

UTAH OIL AND GAS CONSERVATION COMMISSION

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

971202 Equitable to Inland off. 9.30.97: 980108 ~~DJ~~ CONG:

DATE FILED JULY 25, 1996

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

DRILLING APPROVED: AUGUST 26, 1996

SPUDED IN: 10-16-96

COMPLETED: 11-19-96 POW PUT TO PRODUCING:

INITIAL PRODUCTION: 46 Bbl & 80 Mcf & 5 Bbl

GRAVITY A.P.I. 1739

GOR 1739

PRODUCING ZONES 4786-5351' MRRV

TOTAL DEPTH: 5900'

WELL ELEVATION: 5986' ML

DATE ABANDONED: \_\_\_\_\_

FIELD: CASTLE PEAK

UNIT: \_\_\_\_\_

COUNTY: DUCHESNE

WELL NO. MONUMENT FEDERAL 23-7-9-16Y API NO. 43-013-31694

LOCATION 2259 FSL FT. FROM (N) (S) LINE. 2020 FEL FT. FROM (E) (W) LINE. NE SW 1/4 - 1/4 SEC. 7

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				9S	16E	7	Inland Prod. Co.
							EQUITABLE RESOURCES

QUATERNARY	Star Point	Chinle	Molas
Alluvium	Wahweap	Shinarump	Manning Canyon
Lake beds	Masuk	Moenkopi	Mississippian
Pleistocene	Colorado	Sinbad	Humbug
Lake beds	Sego	PERMIAN	Brazer
TERTIARY	Buck Tongue	Kaibab	Pilot Shale
Pliocene	Castlegate	Coconino	Madison
Salt Lake	Mancos	Cutler	Leadville
Oligocene	Upper	Hoskinnini	Redwall
Norwood	Middle	DeChelly	DEVONIAN
Eocene	Lower	White Rim	Upper
Duchesne River	Emery	Organ Rock	Middle
Uinta	Blue Gate	Cedar Mesa	Lower
Bridger	Ferron	Halgaite Tongue	Ouray
Green River	Frontier	Phosphoria	Elbert
Horse bench SS	1620 2293	Dakota	Park City
2nd garden gulch	4094	Burro Canyon	Rico (Goodridge)
Yellow mlf	4616	Cedar Mountain	Supai
Dick	4760	Buckhorn	Wolfcamp
2nd Dick	5000	JURASSIC	CARBON I FEROUS
green mlf	5130	Morrison	Pennsylvanian
Carbonate	51607	Salt Wash	Oquirrh
Colton	San Rafeal Gr.	Weber	Laketown Dolomite
Flagstaff	Summerville	Morgan	ORDOVICIAN
North Horn	Bluff Sandstone	Hermosa	Eureka Quartzite
Almy	Curtis		Pogonip Limestone
Paleocene	Entrada	Pardox	CAMBRIAN
Current Creek	Moab Tongue	Ismay	Lynch
North Horn	Carmel	Desert Creek	Bowman
CRETACEOUS	Glen Canyon Gr.	Akah	Tapeats
Montana	Navajo	Barker Creek	Ophir
Mesaverde	Kayenta		Tintic
Price River	Wingate	Cane Creek	PRE - CAMBRIAN
Blackhawk	TRIASSIC		

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**CONFIDENTIAL**

LEASE DESIGNATION AND SERIAL NO.

UTU-74390

**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 7, T9S, R16E  
 At proposed prod. zone 2259' FSL, 2020' <sup>688</sup> <sub>615</sub> ~~FWL~~

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 Approximately 12.8 miles southwest of Myton, Utah

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

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL

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

19. PROPOSED DEPTH  
 6,500'

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 5987' GL

22. APPROX. DATE WORK WILL START\*  
 August 1, 1996

23. PROPOSED CASING AND CEMENTING PROGRAM

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

Operator proposes 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 of the terms and conditions of that portion of the lease associated with this application.

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

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 July 24, 1996  
 (This space for Federal or State office use)

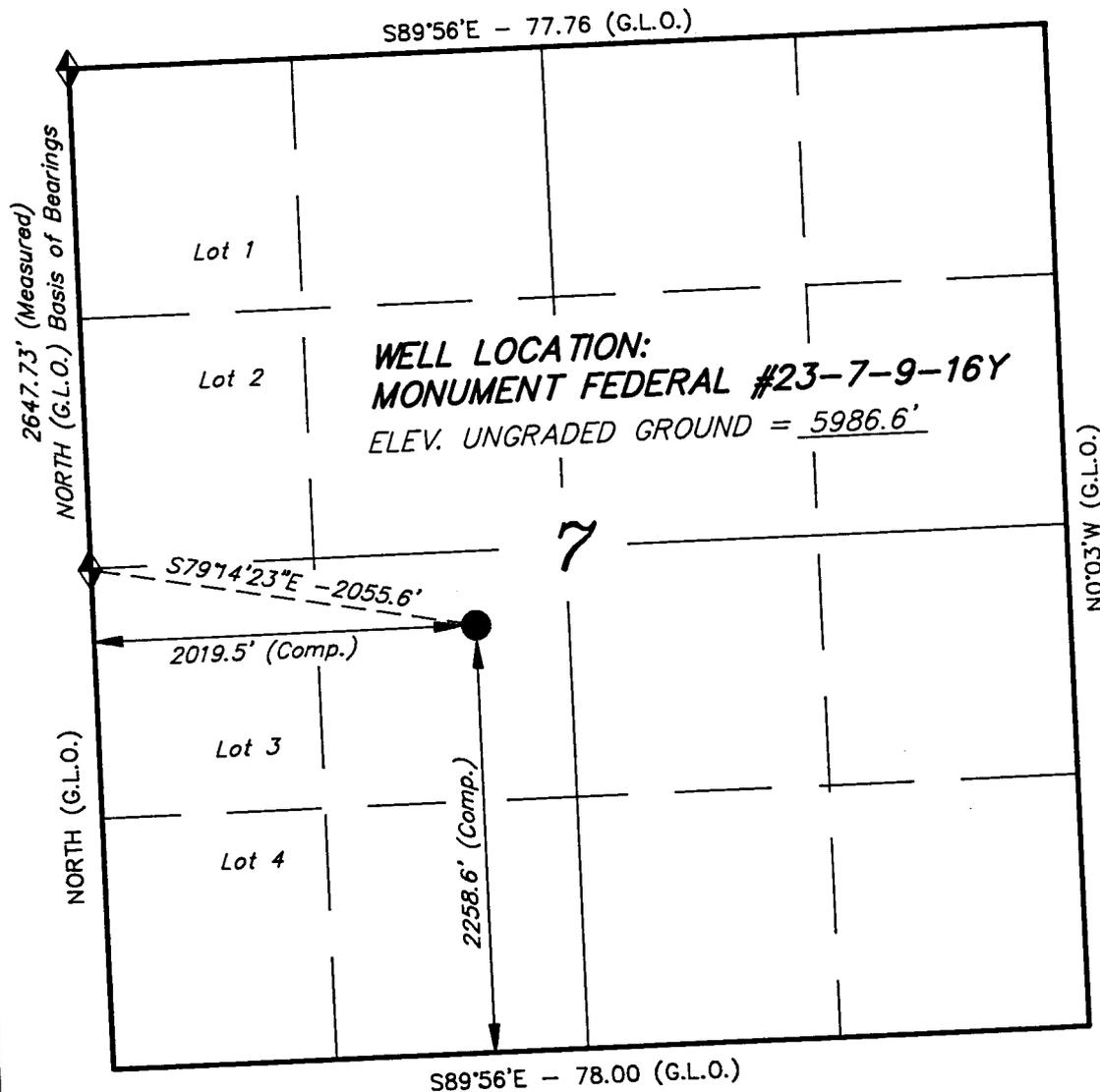
PERMIT NO. 43-013-31694 APPROVAL DATE \_\_\_\_\_  
 APPROVED BY J.B. Matthews TITLE Section Engineer DATE 8/26/96  
 CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

\*See Instructions On Reverse Side

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

**EQUITABLE RESOURCES ENERGY CO.**

WELL LOCATION, MONUMENT FEDERAL #23-7-9-16Y, LOCATED AS SHOWN IN THE NE 1/4 SW 1/4 OF SECTION 7, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



N0°03'W (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.

*Gene ...*  
**REGISTERED LAND SURVEYOR**  
 GENE  
 REGISTERED LAND SURVEYOR  
 REGISTRATION No. 144102  
 STATE OF UTAH NO. 144102

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

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

SCALE: 1" = 1000'

SURVEYED BY: G.S.

DATE: 5-30-96

WEATHER: COOL

NOTES:

FILE #

**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 *Archaeological Survey*

6/19/95

**PROPOSED DRILLING PROGRAM**

EQUITABLE RESOURCES ENERGY COMPANY  
Western Region  
Monument Federal #23-7-9-16Y  
NE SW Section 7, 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.

SURFACE USE PROGRAM

EQUITABLE RESOURCES ENERGY COMPANY  
Monument Federal #23-7-9-16  
NE SW Section 23, 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 on the Sand Wash road for approximately 11.2 miles to location.
- b. Existing roadways need no improvements 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 0.3 miles of new access is required.
- b. No gates, cattleguards, or fence cuts and/or modifications to existing facilities will be required.
- c. All travel will be confined to location and access routes.
- d. 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.

5. LOCATION AND TYPE OF WATER SUPPLY:

- a. The drilling water source will be obtained from a private source owned by Joe Shields, Application #57708, Appropriation #47-1674, located in Section 15, T4S, R2W, Duchesne County UT.
- 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. If a plastic nylon reinforced liner is used, it will be torn and perforated before backfilling of the reserve pit.
- 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 North side of the location.

- 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 East side at Corner 7.
- h. Access to the wellpad will be from the West between corners 4 and 3.
- 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.

11. SURFACE OWNERSHIP:

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

12. OTHER INFORMATION:

- a. Operator will have on site a copy of the Surface Use Program and a copy of the supplemental conditions.
- b. Drilling operations will be conducted in accordance with the Bureau of Land Management conditions of approval when received.
- c. All surface disturbance and reclamation will be done in accordance with the agreement with the private surface owner.
- d. The archaeological survey is attached as EXHIBIT "M".

13. **Lessee's or Operator's Representative:**

Equitable Resources Energy Company, Balcron Oil Division  
1601 Lewis Avenue  
Billings, Montana 59102  
(8:00 a.m. to 5:00 p.m.)  
(406) 259-7860  
FAX: (406) 245-1361

Dave McCoskery, Operations Manager      Home: (406) 248-3864  
Mobile: (406) 698-3732

Dale Griffin, Operations Supervisor      Mobile: (801) 828-7291  
Home: (801) 781-1018

14. **CERTIFICATION:**

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.

July 24, 1996  
Date

Bobbie Schuman  
Bobbie Schuman  
Regulatory Specialist  
Equitable Resources Energy Company

## Well Prognosis

<b>Well Name</b> Monument Federal #23-7-9-16Y				<b>Control Well</b>			
<b>Location</b> NE/SW Section 7-T9S-R16E (2259 fsl, 2020 fwl)				<b>Operator</b> EREC			
<b>County/State</b> Duchesne County, UT				<b>Well Name</b> Mon. Fed. #41-18-9-16Y			
<b>Field</b> Monument Butte		<b>Well Type</b> Step Out		<b>Location</b> NE/NE Section 18-T9S-R16E			
<b>GL (Ung)</b>	5986	<b>EST. KB</b>	5996	<b>Total Depth</b>		5900	
				<b>KB</b> 6029			

Formation	Prognosis		Sample Top		Control Well	High/Low		
	Depth	Datum	Depth	Datum		Datum	Prog	Control
UINTA	surface							
GREEN RIVER	1636	4360			4410(est)			
HORSEBENCH SS	2320	3676			3726(est)			
2ND GARDEN GULCH	4028	1968			2018			
Y-3 (PAY)	4267	1729			1779			
YELLOW MARKER	4590	1406			1456			
DOUGLAS CREEK MKR	4734	1262			1312			
R-1 (PAY)	4752	1244			1294			
R-5 (PAY)	4902	1094			1144(est)			
2ND DOUGLAS CREEK	4963	1033			1083			
G-1L (PAY)	5056	940			990			
GREEN MKR	5091	905			955			
G-5 (PAY)	5257	739			789			
CARBONATE MARKER	5647	349			399			
B-1 (PAY)	5701	295			345			
TD	5900							

<b>Samples</b>	<b>DST,s</b>	<b>Wellsite Geologist</b>
50' FROM 1600' TO 4000'	DST #1 NONE	Name: _____
20' FROM 4000' TO TD	DST #2 _____	From: _____ To: _____
5' THROUGH EXPECTED PAY	DST #3 _____	Address: _____
5' THROUGH DRILLING BREAKS	DST #4 _____	Phone # _____ wk.
		_____ hm.

<b>Logs</b>	<b>Cores</b>	<b>Mud Logger</b>
DLL FROM SURF CSNG TO TD	Core #1 _____	Company: _____
LDT/CNL FROM 4000' TO TD	Core #2 _____	From: 1600 To: TD
_____	Core #3 _____	Type: _____
_____	Core #4 _____	Logger: _____
_____		Phone # _____
_____		Fax # _____

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

<b>Report To:</b> 1st Name: DAVE BICKERSTAFF	Phone # (406)259-7860	wk. (406)245-2261	hm.
2nd Name: KEVEN REINSCHMID	Phone # (406)259-7860	wk. (406)248-7026	hm.
<b>Prepared By:</b> BICKERSTAFF 7/19/96	Phone # _____	wk. _____	hm. _____

# EQUITABLE RESOURCES ENERGY COMPANY

<b>Operator: EREC</b>	<b>Well Name: M.F. 23-7-9-16Y</b>
<b>Project ID:</b>	<b>Location: Duchesne/ Utah</b>

Design Parameters:

Mud weight ( 8.80 ppg) : 0.457 psi/ft  
 Shut in surface pressure : 2107 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	5,900	5-1/2"	15.50	J-55	ST&C	5,900	4.825		
	Collapse Load	Strgth (psi)	S.F.	Burst Load	Min Int Strgth	Yield S.F.	Tension Load	Strgth (kips)	S.F.
1	2697	4040	1.498	2697	4810	1.78	91.45	202	2.21 J

Prepared by : *McCoskery, Billings, Montana*

Date : 07-22-1996

Remarks :

Design is for a Production string.

Minimum segment length for the 5,900 foot well is 1,500 feet.

The mud gradient and bottom hole pressures (for burst) are 0.457 psi/ft and 2,697 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)



EQUITABLE RESOURCES  
ENERGY COMPANY  
BALCRON OIL DIVISION

DRILLING PROGRAM

WELL NAME: Monument Federal #23-7-9-16Y DATE: 07-22-96  
PROSPECT/FIELD: Monument Butte  
LOCATION: NE/SW Section 7 Twn.9S Rge.16E  
COUNTY: Duchesne  
STATE: Utah

TOTAL DEPTH: 5900'

HOLE SIZE	INTERVAL
12 1/4"	Surface to 260'
7 7/8"	260' to 5900'

CASING STRING TYPE	INTERVAL		CASING		
	FROM	TO	SIZE	WEIGHT	GRADE
Surface Casing	0'	260'	8 5/8"	24	J55
Production Casing	0'	5900'	5 1/2"	15.50	K55

**CEMENT PROGRAM**

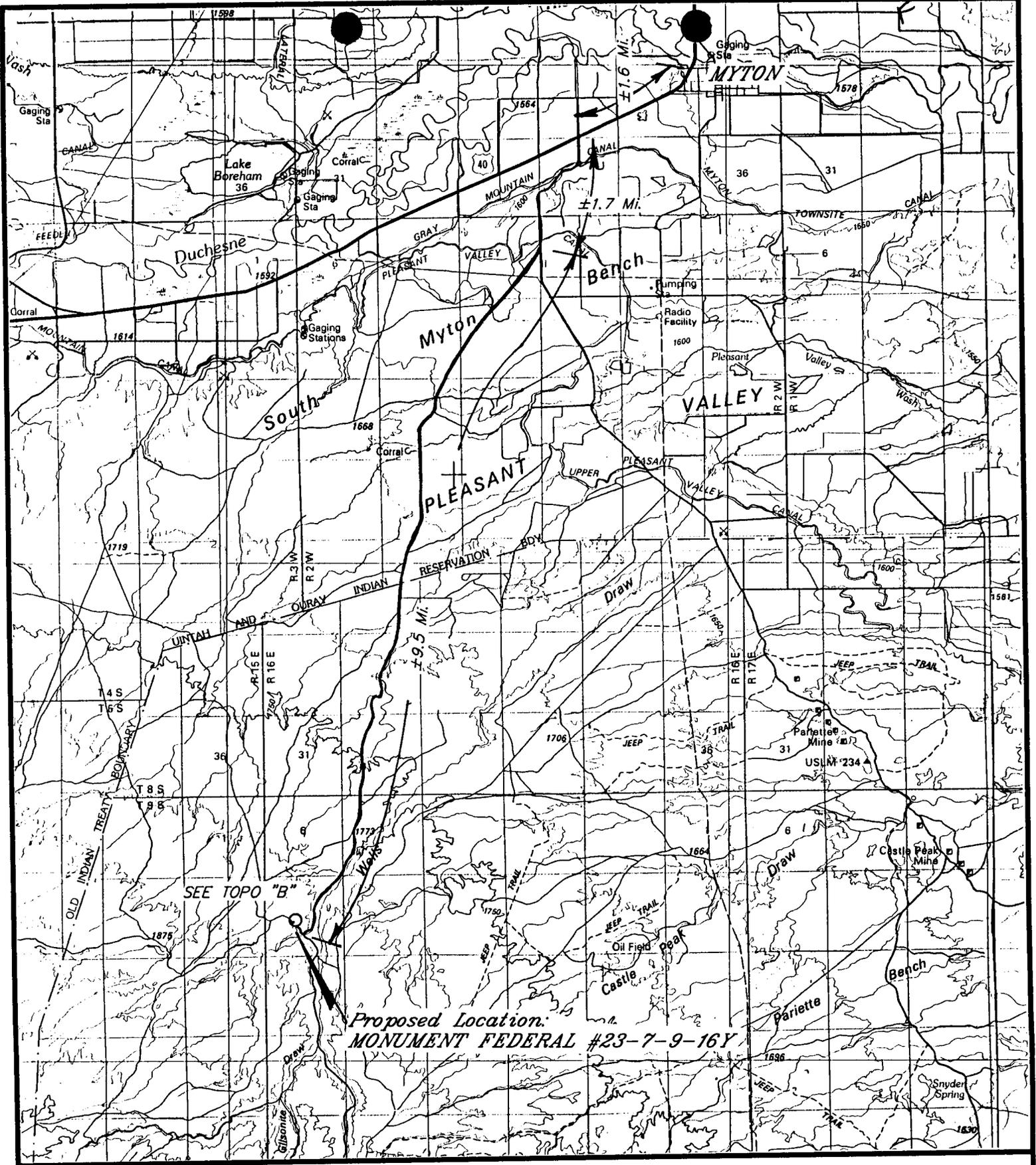
Surface Casing	150 sacks class"G" with 2% CaCl and 1/4 lb/sack Flocele. (Cement will be circulated to surface.)
Production Casing	250 sacks Thrifty Lite and 400 sacks 50-50 Poz. (Actual cement volumes will be calculated from caliper log with cement top at 2000')

**PRELIMINARY DRILLING FLUID PROGRAM**

TYPE	FROM	TO	WEIGHT	PLAS. VIS	YIELD POINT
Air and Air Mist	0'	260'	N.A.	N.P.	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.



Proposed Location:  
**MONUMENT FEDERAL #23-7-9-16Y**

**EQUITABLE RESOURCES CO.**

MONUMENT FEDERAL #23-7-9-16Y  
 SECTION 7, T9S, R16E, S.L.B.&M.  
 TOPO "A"



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



UNION DRILLING RIG #17

Hex Kelly -

Rotating Head

Adj. Choke

Air Bowl

7" Flowline

#3000  
Blind Rim Pipe Rim

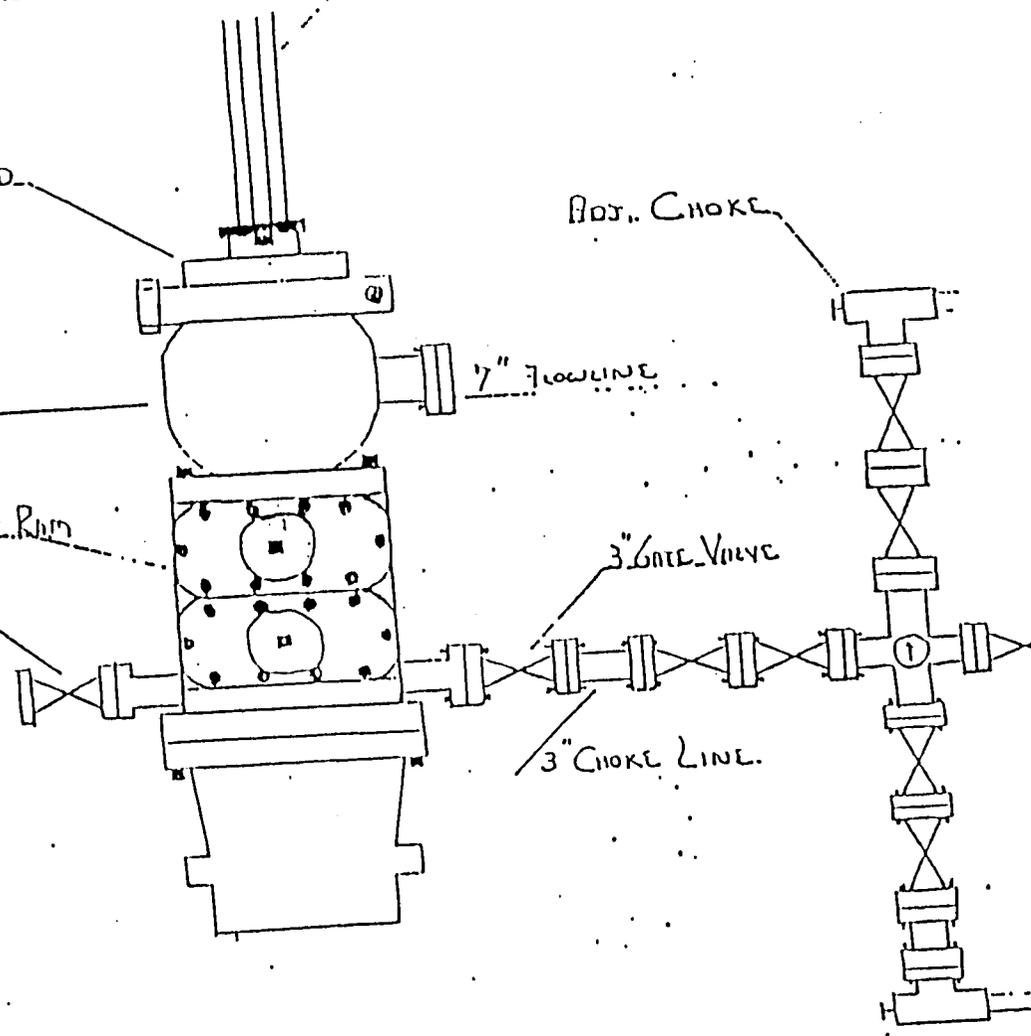
3" Gate Valve

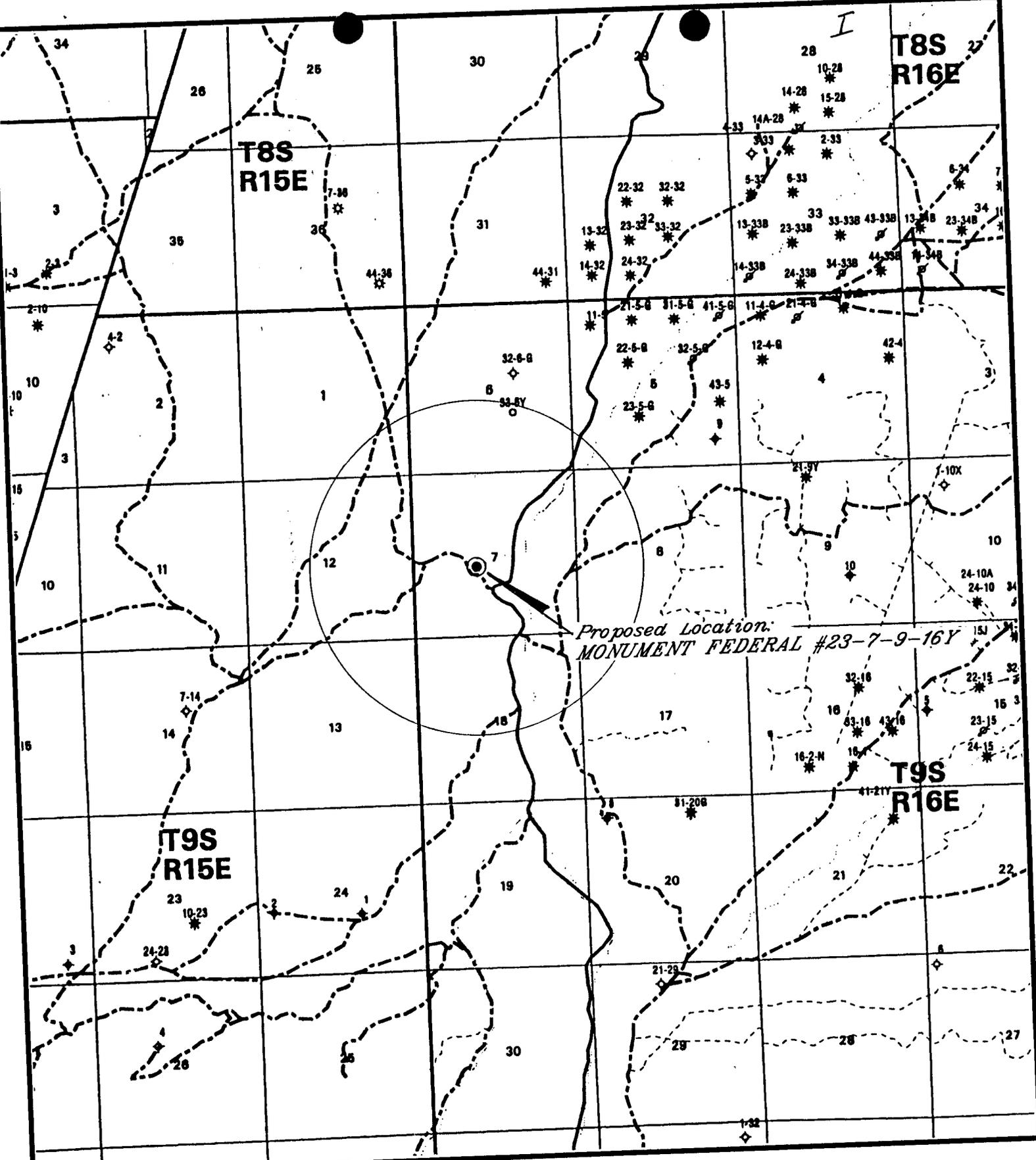
3" Gate Valve

3" Choke Line

Adj. Choke

#3000 Stack





**EQUITABLE RESOURCES CO.**

MONUMENT FEDERAL #23-7-9-16Y  
 SECTION 7, 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

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

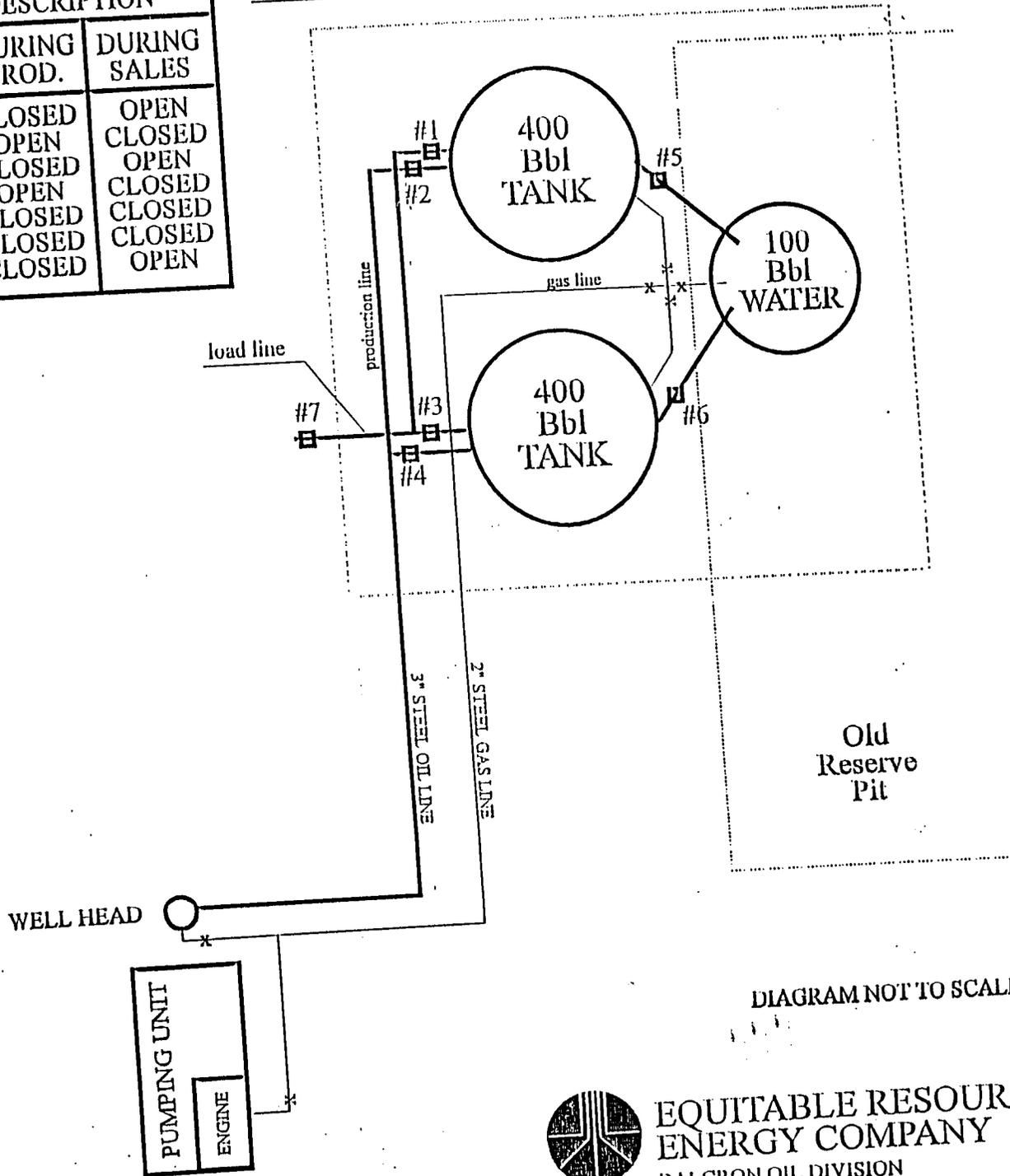


DIAGRAM NOT TO SCALE



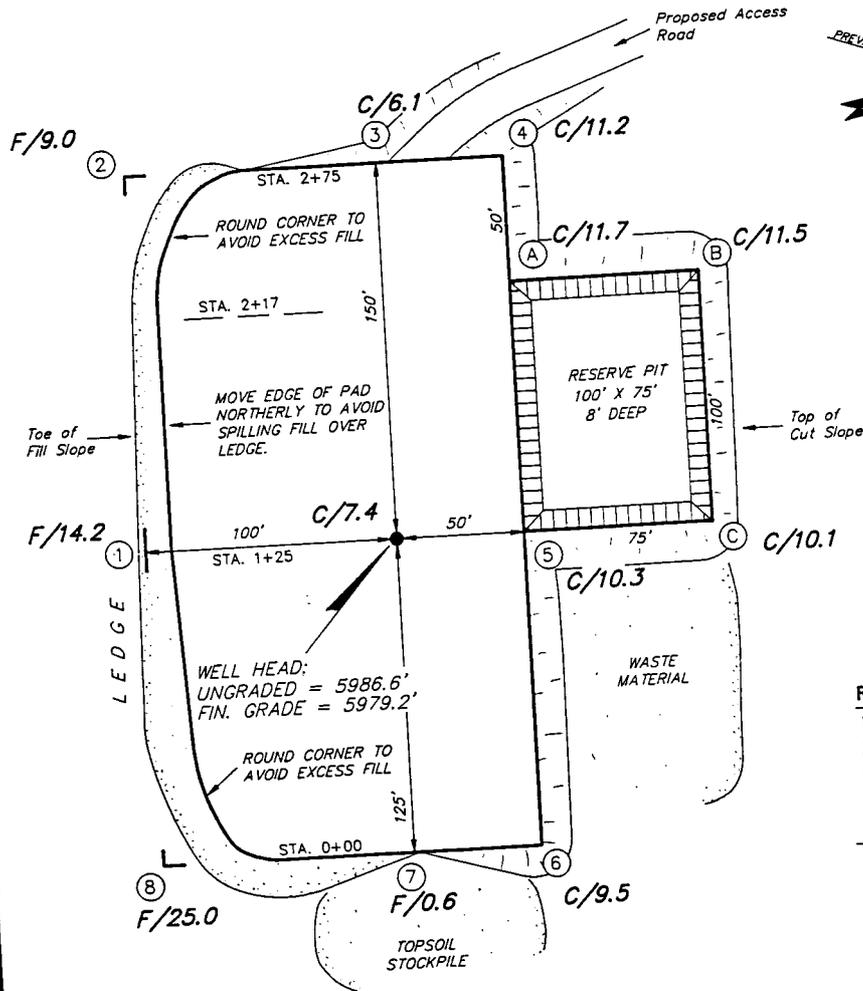
**EQUITABLE RESOURCE ENERGY COMPANY**

BALCRON OIL DIVISION

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

# EQUITABLE RESOURCES ENERGY CO.

MONUMENT FEDERAL #23-7-9-16Y  
SEC. 7, T9S, R16E, S.L.B.&M.

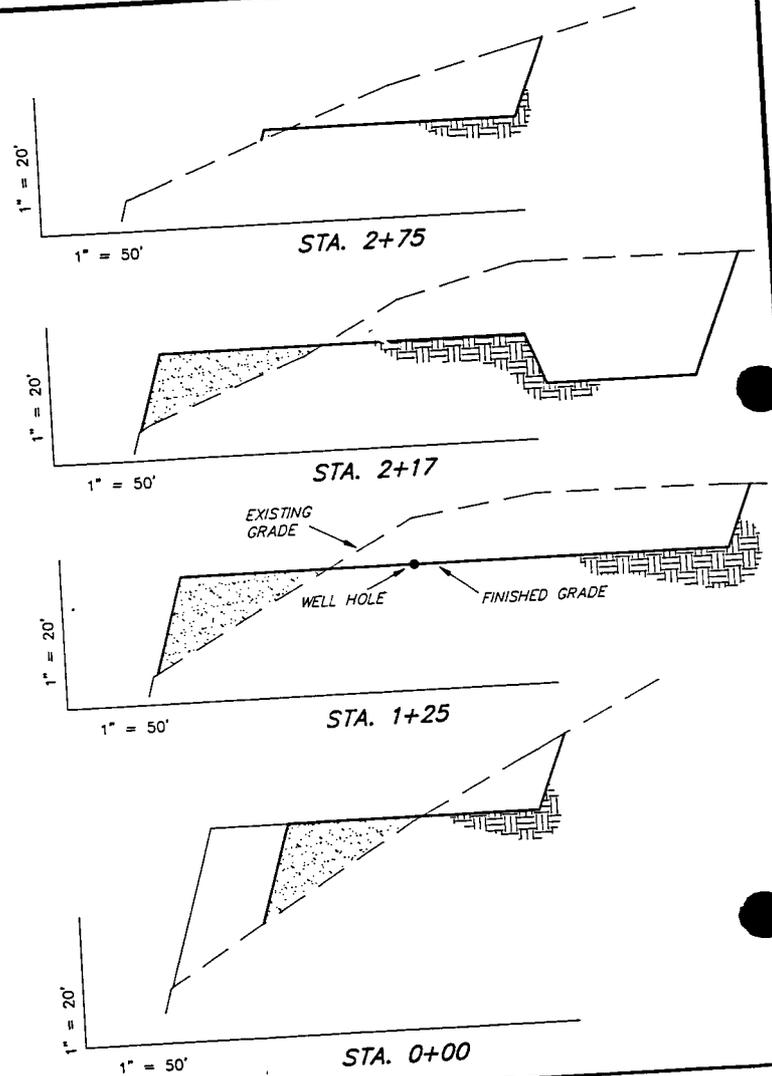


### REFERENCE POINTS

175' NORTH = 5988.3'  
200' NORTH = 5987.4'  
175' EAST = 5978.0'  
200' EAST = 5978.9'

### APPROXIMATE YARDAGES

CUT = 7,700 Cu. Yds.  
FILL = 7,700 Cu. Yds.  
PIT = 1,940 Cu. Yds.  
6" TOPSOIL = 900 Cu. Yds.



SURVEYED BY: G.S. P.H.

DRAWN BY: J.R.S.

DATE: 5-30-96

SCALE: 1" = 50'

FILE:

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



# ARCHEOLOGICAL - ENVIRONMENTAL RESEARCH CORPORATION

P. O. Box 853 Bountiful, Utah 84011-0853  
Tel: (801) 292-7061, 292-9668

June 18, 1996

*Subject:* **CULTURAL RESOURCE EVALUATION OF 5 PROPOSED  
MONUMENT WELL LOCATIONS IN THE WELLS DRAW,  
PARIETTE BENCH, EIGHTMILE FLAT, & BIG WASH  
LOCALITIES OF DUCHESNE & Uintah COUNTIES, UTAH**

*Project:* **Equitable Resources Energy Company -- 1996 Development of the  
Monument Federal Units 23-7-9-16Y, 33-19-9-18Y, 44-19-9-18Y,  
& Monument State Units 11-36-8-17Y and 11-32-9-17Y**

*Project No.:* BLCR-96-5A

*Permit No.:* Dept. of Interior -- UT-96-54937

*Project No:* UT-96-AF-0301bs

*To:* **Equitable Resources Energy Co., Western Region, Attn: Ms. Bobbie Schuman 1601  
Lewis Avenue, Billings, Montana 591029**  
**District Manager, Bureau of Land Management, 170 South 500 East, Vernal, Utah  
84078**  
**Utah Division of State Lands & Forestry, Attn: Kenney Wintch, 3 Triad Center, Suite  
400, 355 West North Temple, Salt Lake City 84180-1204.**

*Info:* **Antiquities Section, Division of State History, 300 Rio Grande, Salt Lake City, Utah  
84101**

**CULTURAL RESOURCE EVALUATION  
OF 5 PROPOSED MONUMENT WELL LOCATIONS  
IN THE WELLS DRAW, PARIETTE BENCH,  
EIGHTMILE FLAT, & BIG WASH LOCALITIES  
OF DUCHESNE & UINTAH COUNTIES, UTAH**

Report Prepared for **Equitable Resources Energy Company**

Dept. of Interior Permit No.: UT-96-54937  
AERC Project 1535 (BLCR-96-5A)

Utah State Project No.: UT-96-AF-0301bs

Principal Investigator  
F. Richard Hauck, Ph.D.

Author of the Report  
F. Richard Hauck



**ARCHEOLOGICAL-ENVIRONMENTAL RESEARCH  
CORPORATION (AERC)**

181 North 200 West, Suite 5  
Bountiful, Utah 84011-0853

June 18, 1996

## ABSTRACT

An intensive cultural resource evaluation has been conducted for Equitable Resources Energy Company of five proposed Monument well locations situated on federal and state administered lands in the Wells Draw, Pariette Bench, Eightmile Flat, and Big Wash localities of Duchesne and Uintah Counties, Utah. This evaluation includes the Monument Federal Units 23-7-9-16Y, 33-19-9-18Y, 44-19-9-18Y, and Monument State Units 11-36-8-17Y and 11-32-9-17Y which are on Utah State lands. This study involved a total of ca. 55.5 acres; 50 acres are associated with the ten acre parcels examined around each of the five well locations and 5.5 acres are associated with the .4 miles of access routes associated with four of the five well locations. These investigations were conducted by Glade Hadden on June 12 and 13, 1996.

No previously recorded significant or National Register eligible cultural resources will be adversely affected by the proposed five well locations and associated access routes.

No newly identified historic or prehistoric cultural resource loci were identified and recorded during the inventory.

No isolated artifacts were noted during the evaluations.

AERC recommends project clearance based on adherence to the stipulations noted in the final section of this report.

# TABLE OF CONTENTS

	page
Abstract . . . . .	ii
Table of Contents . . . . .	iii
List of Maps of the Project Area . . . . .	iv
General Information . . . . .	1
Project Location . . . . .	1
Environmental Description . . . . .	7
Previous Research in the Locality . . . . .	7
File Search . . . . .	7
Prehistory and History of the Project Area . . . . .	8
Site Potential in the Project Development Zone . . . . .	8
Field Evaluations . . . . .	9
Methodology . . . . .	9
Site Significance Criteria . . . . .	9
Results of the Inventory . . . . .	10
Conclusion and Recommendations . . . . .	11
References . . . . .	12

LIST OF MAPS

	page
MAP 1: General Project Locality in Duchesne & Uintah Counties, Utah . . . . .	2
MAP 2: Cultural Resource Survey of Proposed Well Location (23-7-9-16Y) in the Wells Draw Locality of Duchesne County, Utah . . . . .	3
MAP 3: Cultural Resource Survey of Proposed Well Location (State 11-36-8-17Y) in the Pariette Bench Locality of Uintah County, Utah . . . . .	4
MAP 4: Cultural Resource Survey of Proposed Well Locations (33-19-9-18Y & 44-19-9-18Y) in the Eightmile Flat Locality of Uintah County, Utah . . . . .	5
MAP 5: Cultural Resource Survey of Proposed Well Location (State 11-32-9-17Y) in the Big Wash Locality of Duchesne County, Utah . . . . .	6

## GENERAL INFORMATION

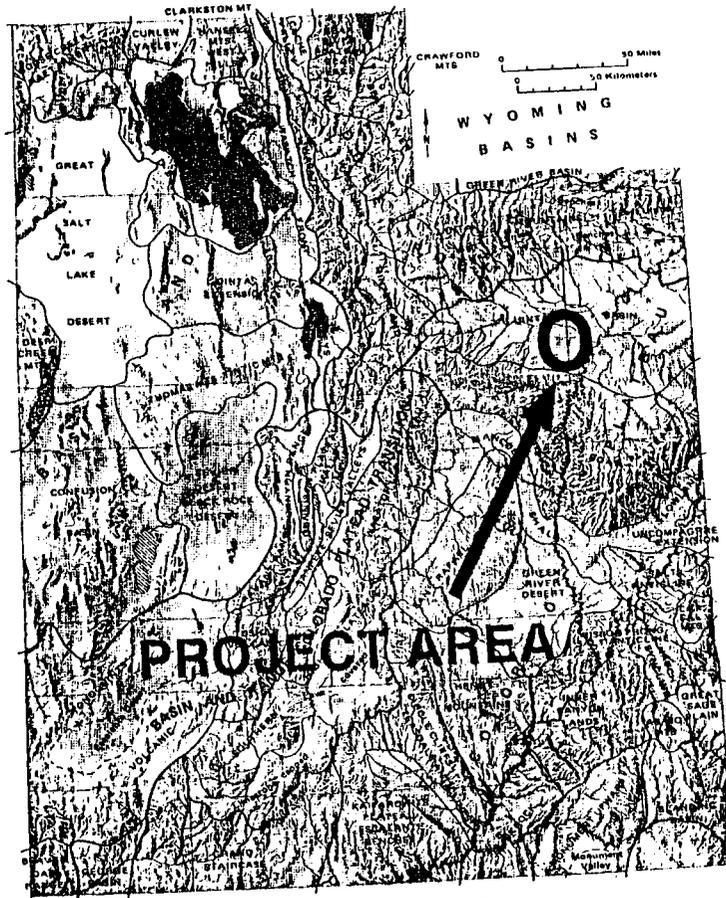
On June 12 and 13, 1996, AERC archaeologist, Glade Hadden conducted intensive cultural resource evaluations of five proposed Monument well locations in the Wells Draw, Pariette Bench, Eightmile Flat, and Big Wash localities of Duchesne and Uintah Counties, Utah (see Map 1). The purpose of this report is to detail the results of these evaluations, which include the Monument Federal Units 23-7-9-16Y, 33-19-9-18Y, 44-19-9-18Y, and Monument State Units 11-36-8-17Y and 11-32-9-17Y (see Maps 2 through 5) and access routes associated with four of the five well sites. Some 55.5 acres were examined which include 50 acres associated with the five ten acre well pad parcels and 5.5 acres associated with the .4 miles of 100 foot-wide access corridors. Three proposed well locations are situated on federal lands (23-7-9-16Y, 33-19-9-18Y, 44-19-9-18Y) administered by the Vernal District of the Bureau of Land Management, Diamond Mountain Resource Area, Vernal, Utah. Two of the proposed well locations ( State Units 11-36-8-17Y and 11-32-9-17Y) are on Utah State lands.

The purpose of the field study and this report is to identify and document cultural site presence and assess National Register potential significance relative to established criteria (cf., Title 36 CFR 60.6). The proposed development of these well locations and access corridors requires an archaeological evaluation in compliance with U.C.A. 9-8-404, the Federal Antiquities Act of 1906, the Reservoir Salvage Act of 1960-as amended by P.L. 93-291, Section 106 of the National Historic

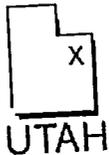
**MAP 1: GENERAL PROJECT LOCALITY  
IN  
DUCHESNE & UINTAH COUNTIES  
UTAH**



**PROJECT: BLCR - 96 - 5A**  
**SCALE: see below**  
**QUAD: see below**  
**DATE: June 18, 1996**



UTAH GEOLOGICAL AND MINERAL SURVEY  
 MAP 43  
 1877  
 PHYSIOGRAPHIC SUBDIVISIONS OF UTAH  
 BY W.L. STOKES

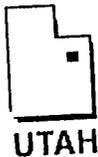
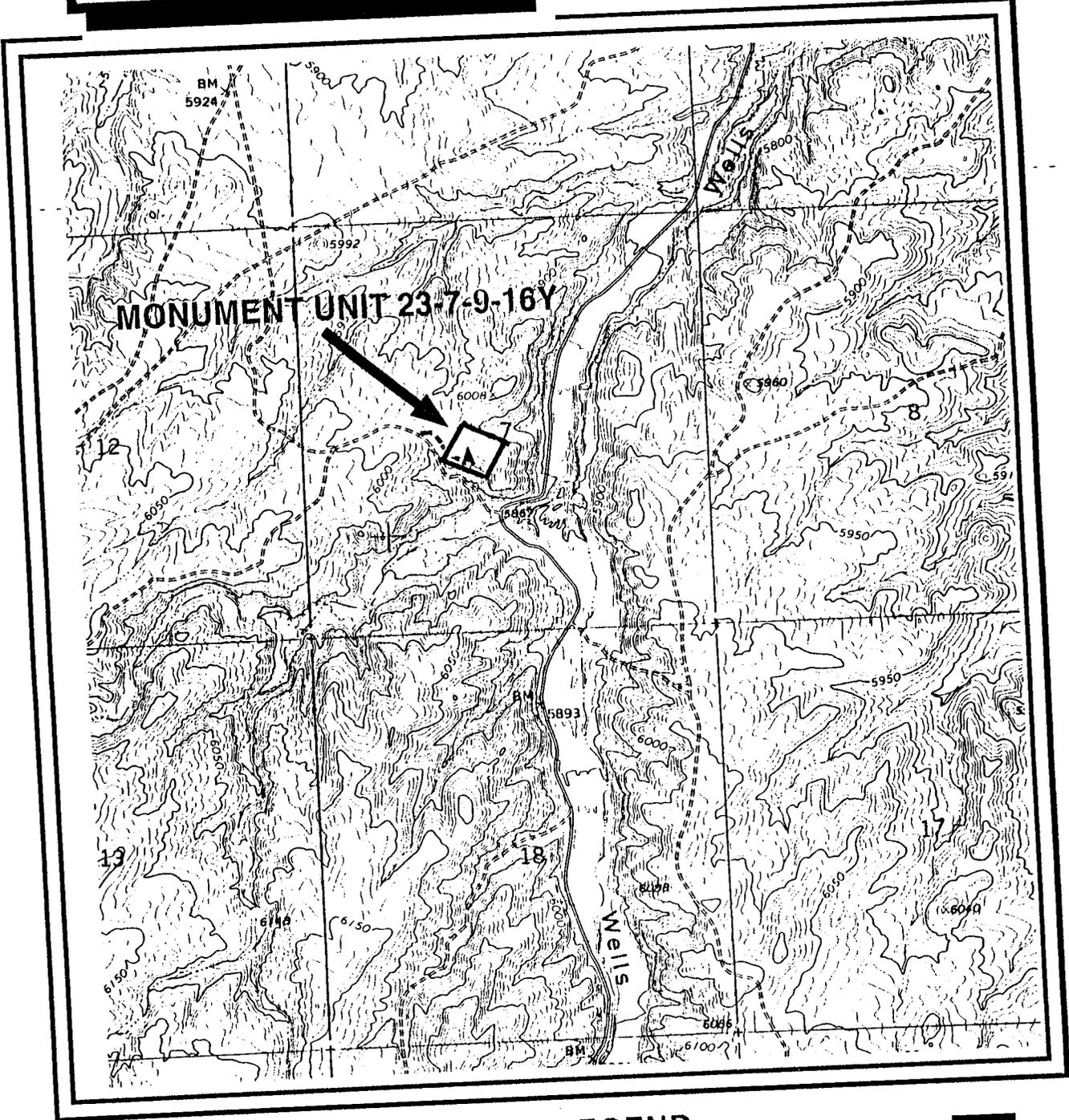


**TOWNSHIP: MULTIPLE**  
**RANGE: MULTIPLE**  
**MERIDIAN: SALT LAKE & UINTAH B. & M.**

**MAP 2: CULTURAL RESOURCE SURVEY  
OF PROPOSED WELL LOCATION IN  
THE WELLS DRAW  
LOCALITY OF DUCHESNE COUNTY,  
UTAH**



**PROJECT:** BLCR - 96 - 5A  
**SCALE:** 1: 24,000  
**QUAD:** Myton SW, Utah  
**DATE:** June 18, 1996



**TOWNSHIP:** 9 South  
**RANGE:** 16 East  
**MERIDIAN:** Salt Lake B. & M.

**LEGEND**

Well Location ▲

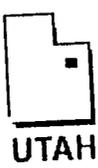
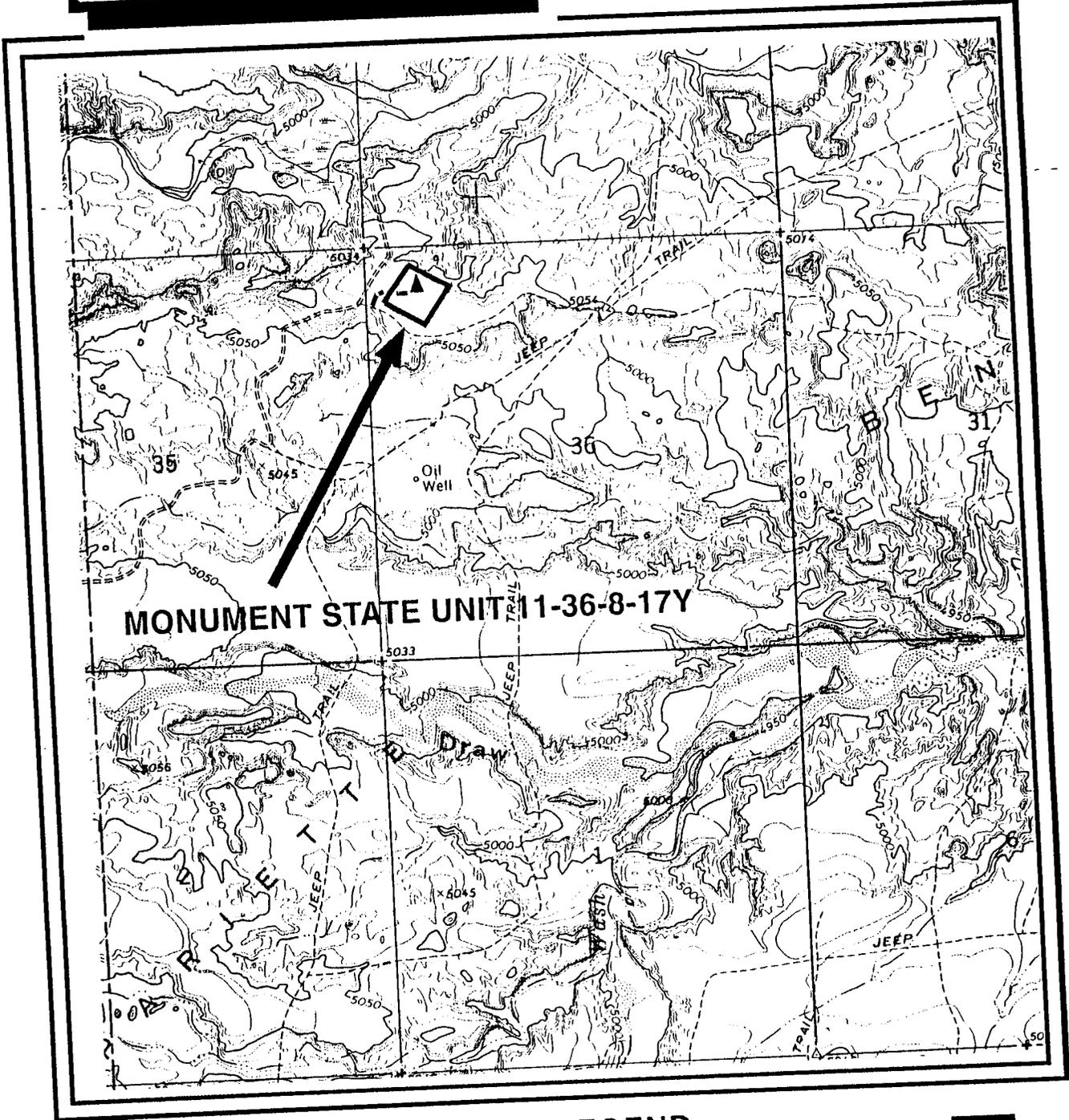
Access Route - - -

Survey Area □

Pipeline Corridor ↗

**MAP 3: CULTURAL RESOURCE SURVEY  
OF PROPOSED WELL LOCATION IN  
THE PARIETTE BENCH  
LOCALITY OF UINTAH COUNTY,  
UTAH**

**PROJECT:** BLCR - 96 - 5A  
**SCALE:** 1:24,000  
**QUAD:** Parlette Draw SW, Utah  
**DATE:** June 18, 1996



**TOWNSHIP:** 8 South  
**RANGE:** 17 East  
**MERIDIAN:** Salt Lake B. & M.

**LEGEND**

Well Location ▲

Access Route - - -

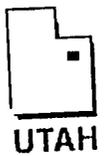
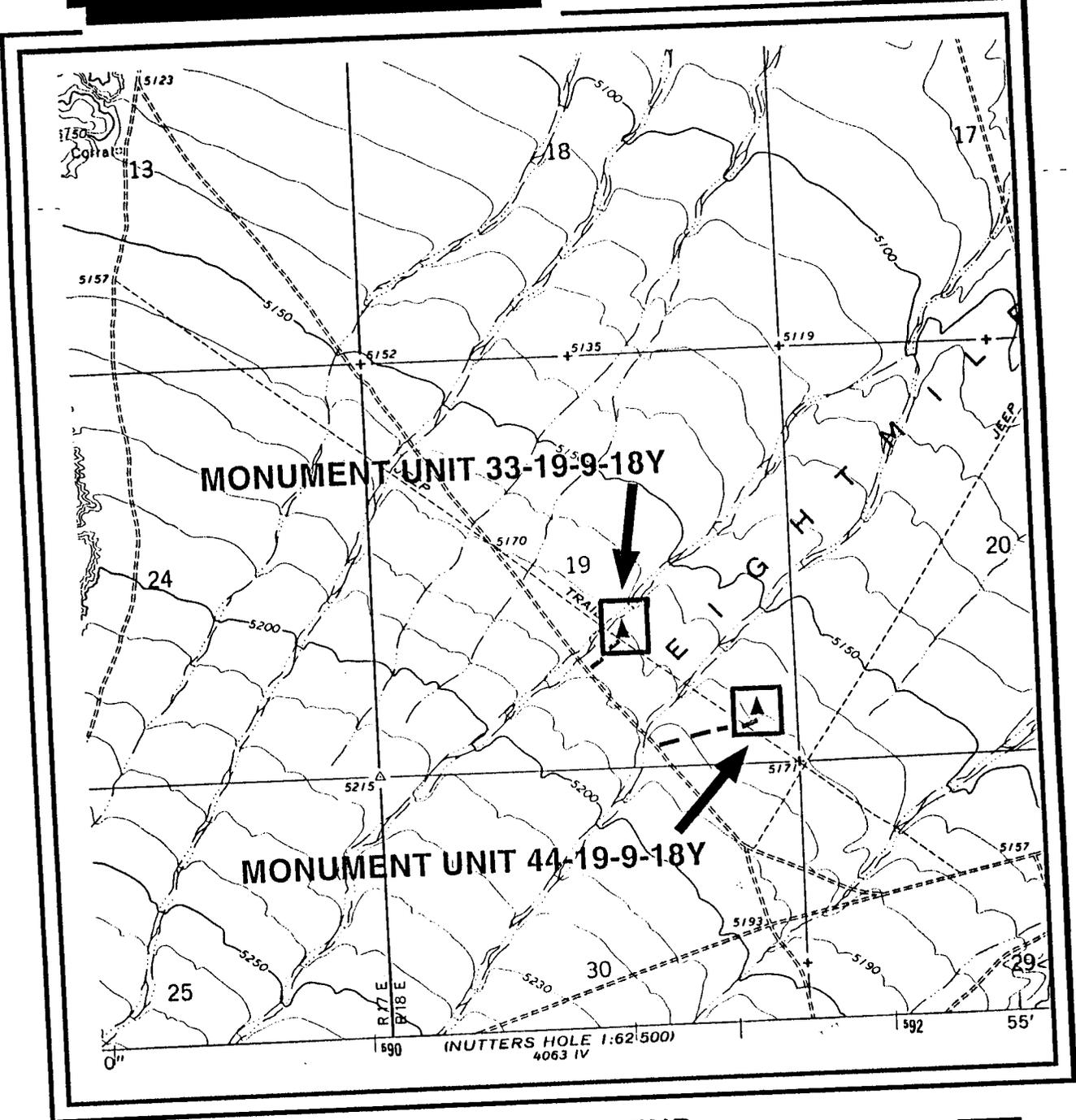
Survey Area □

Pipeline Corridor ↔

**MAP 4: CULTURAL RESOURCE SURVEY  
OF PROPOSED WELL LOCATIONS IN  
IN THE EIGHTMILE BENCH  
LOCALITY OF Uintah County,  
UTAH**



**PROJECT:** BLCR - 96 - 5A  
**SCALE:** 1: 24,000  
**QUAD:** Parlette Draw SW, Utah  
**DATE:** June 18, 1996



**TOWNSHIP:** 9 South  
**RANGE:** 18 East  
**MERIDIAN:** Salt Lake B. & M.

**LEGEND**

Well Location ▲

Access Route - - - - -

Survey Area □

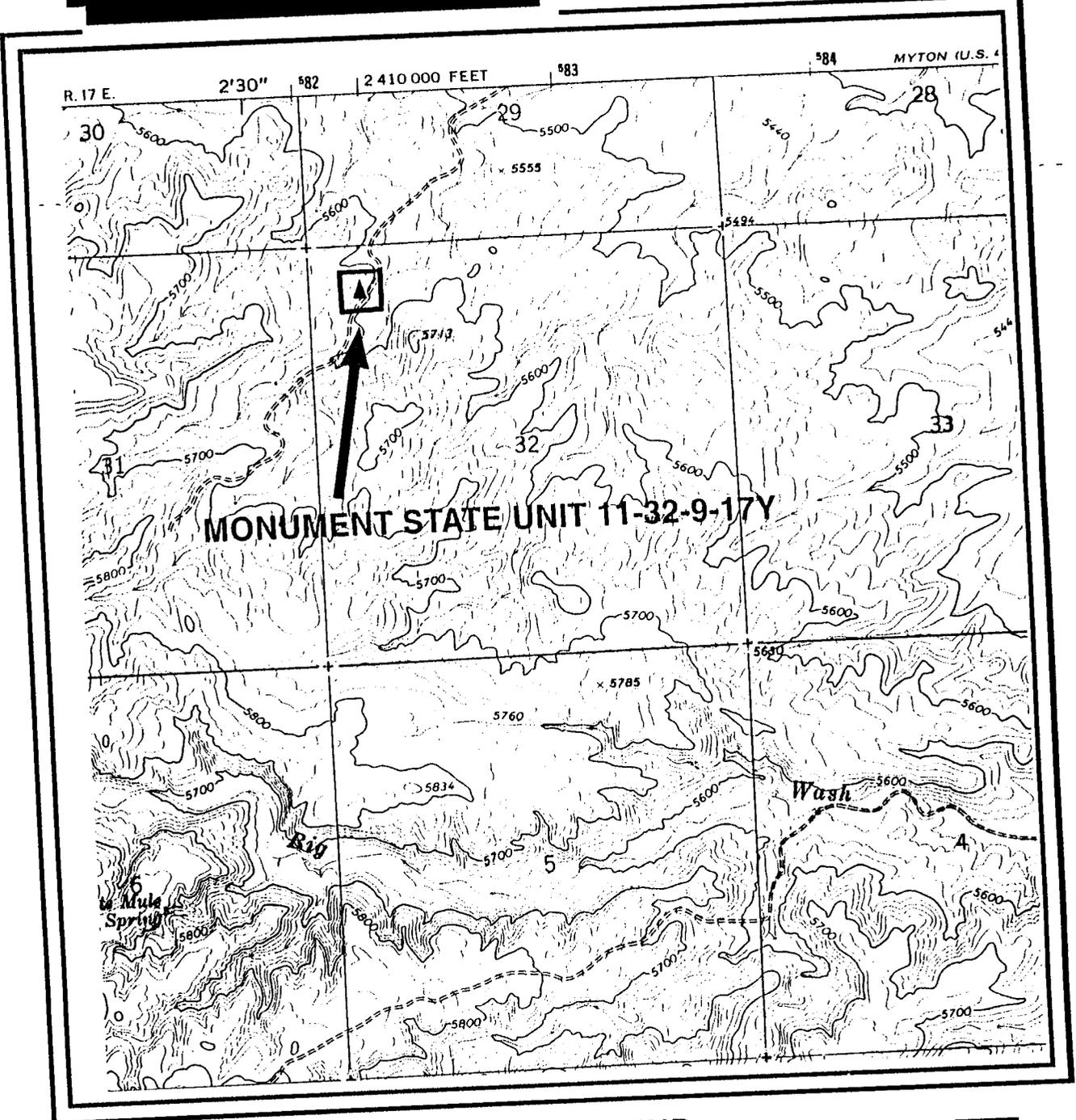
Pipeline Corridor ↔

(NUTTERS HOLE 1:62'500)  
4063 IV

**MAP 5: CULTURAL RESOURCE SURVEY  
OF PROPOSED WELL LOCATION IN  
THE BIG WASH  
LOCALITY OF DUCHESNE COUNTY,  
UTAH**



**PROJECT:** BLCR - 96 - 5A  
**SCALE:** 1: 24,000  
**QUAD:** Wilkin Ridge, Utah  
**DATE:** June 18, 1996



**TOWNSHIP:** 9 South  
**RANGE:** 17 East  
**MERIDIAN:** Salt Lake B. & M.

**LEGEND**

- Well Location
- Access Route
- Survey Area
- Pipeline Corridor

**Monument Federal Unit 33-19-9-18Y** (see Map 4) is in the northwest quarter of the southeast quarter of Section 19, Township 9 South, Range 18 East, Salt Lake B. & M. Its .06 mile-long access links to an existing two-track to the south of the location;

**Monument Federal Unit 44-19-9-18Y** (see Map 4) is in the southeast quarter of the southeast quarter of Section 19, Township 9 South, Range 18 East, Salt Lake B. & M. Its .2 mile-long access route links with the county road to the southwest of the location;

**Monument State Unit 11-32-9-17Y** (see Map 5) is in the northwest quarter of the northwest quarter of Section 32, Township 9 South, Range 17 East, Salt Lake B. & M.

### Environmental Description

The project area is within the 5100 to 6100 foot elevation zone above sea level. Open rangeland terrain and eroded Eocene lakebed surfaces are associated with the project area.

The vegetation in the project area includes *Chrysothamnus* spp., *Artemisia* spp., *Sarcobatus vermiculatus*, *Ephedra viridis*, *Cercocarpus* spp., *Atriplex canescens*, and a variety of grasses.

The geological associations within the project area consist of fluvial lake deposits which correlate with the Uinta Formation which is of Tertiary age.

### PREVIOUS RESEARCH IN THE LOCALITY

#### File Search

A records search of the site files and maps at the Antiquities Section of the State Historic Preservation Office in Salt Lake City was conducted on June 6, 1996. A similar search was conducted in the Vernal District Office of the BLM on June 12, 1996. The National Register of Historic Places has been consulted and no registered historic or prehistoric properties will be affected by the proposed developments.

A variety of known cultural sites are situated in the Monument Buttes / Castle Peak Draw locality. Many of these prehistoric resources were identified and recorded by AERC during the Mapco River Bend survey (Hauck and Norman 1980). Other sites have been located and recorded by AERC and other archaeologists and consultants during oil and gas exploration inventories (cf., Fike and Phillips 1984, Hauck and Weder 1989, Hauck and Hadden 1993, 1994, 1995).

## Prehistory and History of the Cultural Region

Currently available information indicates that the Northern Colorado Plateau Cultural Region has been occupied by a variety of cultures beginning perhaps as early as 10,000 B.C. These cultures, as identified by their material remains, demonstrate a cultural developmental process that begins with the earliest identified Paleoindian peoples (10,000 -- 7,000 B.C.) and extends through the Archaic (ca. 7,000 B.C. -- A.D. 300), and Formative (ca. A.D. 400 -- 1100) Stages, and the Late Prehistoric-Protohistoric periods (ca. A.D. 1200 -- 1850) to conclude in the Historic-Modern period which was initiated with the incursion of the Euro-American trappers, explorers, and settlers. Basically, each cultural stage -- with the possible exception of the Late Prehistoric hunting and gathering Shoshonean bands -- features a more complex life-way and social order than occurred during the earlier stage of development (Hauck 1991:53). For a more comprehensive treatment of the prehistory and history of this region see Archaeological Evaluations in the Northern Colorado Plateau Cultural Area (Hauck 1991).

## Site Potential in the Project Development Zone

Previous archaeological evaluations in the general project area have resulted in the identification and recording of a variety of cultural resource sites having eligibility for potential nomination to the National Register of Historic Places (NRHP). The majority of these sites are lithic scatters containing cobble reduction materials. Many of these quarry sites are of the "Tap and Test" variety, and extend for tens or hundreds of meters. Open occupations are also frequently being identified in this locality. Sites associated with the open rangeland generally appear to have been occupied during the Middle Plains Archaic Stage with occasional indications of Paleoindian activity based on the recovery of isolated Plano style projectile points. The north-south drainage canyons appear to contain the majority of Late Prehistoric (Numa) sites probably because those canyon floors were transportation corridors and convenient pastures for the Ute horse herds. Evidence of Formative Stage occupation, i.e., Fremont, is rarely observed in the rangeland environment but is common within the Green River and White River canyons and their primary tributary canyons.

Site density in certain portions of the region appears to range from one to four sites per section. These densities increase in the canyon bottoms due to Ute rock art loci. Recent evaluations indicate that the site densities may reach 8 to 12 sites per section in certain localities on the upper benches which were apparently favored for hunting, lithic resource procurement, and camping. Prehistoric sites on the rangeland benches appear to be associated with water courses and aeolian deposits.

## FIELD EVALUATIONS

### Methodology

Intensive evaluations of these five locations consisted of the archaeologist walking a series of 15 to 20 meter-wide transects within each ten acre parcel associated with each well pad zone and along a 100 foot-wide corridor centered on the flagged centerline for each of the associated access routes as shown on Maps 2 through 5. Thus, ca. 55.5 acres was inventoried relative to these proposed well locations of which 50 acres includes the ten acre parcels and ca. 5.5 acres includes the .4 miles of various access corridors.

Observation of cultural materials results in intensive examinations to determine the nature of the resource (isolate or activity locus). The analysis of each specific cultural site results in its subsequently being sketched, photographed, and appropriately recorded on standard IMACS forms.

In certain instances, the cultural sites are then evaluated for depth potential utilizing AERC's portable Ground Penetrating Radar (GPR) computerized system (SIR-2 manufactured by Geophysical Survey Systems, Inc. [GSSI] of North Salem, New Hampshire). GPR was not used during this project.

Cultural sites are then evaluated for significance utilizing the standards described below and mitigation recommendations are considered as a means of preserving significant resources which may be situated within the development zone.

### Site Significance Criteria

Prehistoric and historic cultural sites which can be considered as eligible for nomination to the National Register of Historic Places have been outlined as follows in the National Register's Criteria for Evaluation as established in Title 36 CFR 60.6:

*The quality of significance in American ... archaeology ... and culture is present in ... sites ... that possess integrity of location, design, setting, materials, workmanship, feeling, and association and:*

- a. That are associated with events that have made a significant contribution to the broad patterns of our history; or*
- b. that are associated with the lives of persons significant in our past; or*
- c. that embody the distinctive characteristics of a type, period, or method of construction ... ; or*
- d. that have yielded, or may be likely to yield, information important in prehistory or history.*

In addition to satisfying one or more of these general conditions, a significant cultural resource site in Utah will generally be considered as being eligible for inclusion in the National Register if it should advance our current state of knowledge relating to chronology, cultural relationships, origins, and cultural life ways of prehistoric or historic groups in the area.

In a final review of any site's cultural significance, the site must possess integrity and at least one of the above criteria to be considered eligible for nomination to the National Record of Historic Places.

### Results of the Inventory

No newly identified prehistoric cultural resource activity loci were observed and recorded during the archaeological evaluations of the five proposed well location sites and associated access route corridors.

No previously recorded cultural resource loci will be adversely affected by the proposed development of these five well locations.

No diagnostic isolated artifacts were observed and recorded during the evaluations.

No paleontological sites or materials of significance were observed during these evaluations.

**CONCLUSION AND RECOMMENDATIONS**

No known cultural resources will be adversely impacted during the development and operation of the various Monument Federal Units 23-7-9-16Y, 33-19-9-18Y, 44-19-9-18Y, and Monument State Units 11-36-8-17Y and 11-32-9-17Y.

AERC recommends that a cultural resource clearance be granted to Equitable Resources Energy Company relative to the development of these proposed wells and associated access routes based upon adherence to the following stipulations:

1. all vehicular traffic, personnel movement, construction and restoration operations should be confined to the well pad zones, flagged areas, and corridors examined as referenced in this report, and to the existing roadways;
2. all personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area; and
3. the authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.



F. Richard Hauck, Ph.D.  
President and Principal  
Investigator

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- 1992c Cultural Resource Evaluations of Seven Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-5, Archeological-Environmental Research Corporation, Bountiful.
- 1992d Cultural Resource Evaluation of a Proposed Water Pipeline Corridor in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-6, Archeological-Environmental Research Corporation, Bountiful.
- 1992e Cultural Resource Evaluation of Seven Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-8, Archeological-Environmental Research Corporation, cf., Bountiful.
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- 1996a Cultural Resource Evaluation of Four Proposed Well Locations and Access Routes in the Castle Peak Draw Locality -- Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-95-8A, Archeological-Environmental Research Corporation, Bountiful.
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Hauck, F. Richard and Glade Hadden

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1993c Cultural Resource Evaluation of Eight Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-9, Archaeological-Environmental Research Corporation, Bountiful.

1993d Cultural Resource Evaluation of Four Proposed Well Locations in the Monument Buttes and Pleasant Valley Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-10, Archaeological-Environmental Research Corporation, Bountiful.

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- 1994a Cultural Resource Evaluation of Eight Proposed Wells in the Pleasant Valley Locality of Uintah County, Utah. Report prepared for Balcron Oil Company, BLCR-94-3 Archaeological-Environmental Research Corporation, Bountiful.
- 1994b Cultural Resource Evaluation of Proposed Water Injection Line Lateral Segments in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-94-4, Archaeological-Environmental Research Corporation, Bountiful.
- 1994c 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. Report prepared for Balcron Oil Company, BLCR-94-9, Archaeological-Environmental Research Corporation, Bountiful.
- 1994d Cultural Resource Evaluation of Proposed Well Locations and Access Routes in the Castle Peak Draw and Eight Mile Flat Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-94-10, Archaeological-Environmental Research Corporation, Bountiful.
- 1994e Cultural Resource Evaluation of Two Proposed Balcron Monument State Well Locations and Access Routes in the Castle Peak Draw Locality of Uintah County, Utah. Report prepared for Balcron Oil Company, BLCR-94-10b, Archaeological-Environmental Research Corporation, Bountiful.
- 1994f Cultural Resource Evaluation of Proposed Well Locations and Access Routes in the Monument Buttes and Pleasant Valley Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-94-11, Archaeological-Environmental Research Corporation, Bountiful.
- 1995a Cultural Resource Evaluation of Proposed Well Locations and Access Routes in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-95-1 & 2, Archaeological-Environmental Research Corporation, Bountiful.
- 1995b Cultural Resource Evaluation of a Series of Proposed Water Return Pipeline Routes in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-95-7, Archaeological-Environmental Research Corporation, Bountiful.
- Hauck, F.R. and G. Norman  
 1980 Final Report on the Mapco River Bend Cultural Mitigation Study. AERC Paper No. 18, of the Archeological-Environmental Research Corporation, Bountiful.

Hauck, F.R. and Dennis Weder  
1989 Pariette Overlook -- A Paleo-Indian Quarry Site in the Pariette Draw Locality of  
Uintah County, Utah. AERC Paper No. 42, of the Archaeological-Environmental  
Research Corporation, Bountiful.

Stokes, W.L.  
1977 Physiographic Subdivisions of Utah. Map 43, Utah Geological and Mineral Survey,  
Salt Lake City.

U.S.  
Department of the Interior  
Bureau of Land Management  
Utah State Office  
(AERC FORMAT)

Project  
Authorization No .U.9.6.A.F.0.3.0.1.b.s

Report Acceptable Yes \_\_\_ No \_\_\_

Mitigation Acceptable Yes \_\_\_ No \_\_\_

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

Summary Report of  
Inspection for Cultural Resources

FIVE WELL LOCATIONS IN THE WELLS  
DRAW (etc.) LOCALITY

1. Report Title . . . . . Equitable Resources Energy Corp.

2. Development Company \_\_\_\_\_ UT-96-54937

3. Report Date . . . . . 06 18 1996

4. Antiquities Permit No. \_\_\_\_\_  
BLCR - 96 - 5a Uintah

5. Responsible Institution . . . . . A E R C County Duchesne

6. Fieldwork Location:  
TWN .0.8.S. . RNG .1.7.E. . Section.36,  
TWN .0.9.S. . RNG .1.6.E. . Section 07  
TWN .0.9.S. . RNG .1.7.E. . Section 32  
TWN .0.9.S. . RNG .1.8.E. . Section 19,

7. Resource Area .DM.

8. Description of Examination Procedures: The archeologist Glade Hadden intensively examined the proposed well locations and associated access corridors by walking 10 to 15 meter-wide transects in the ten acre parcels and within the 100 foot-wide access corridor on either side of the flagged center-line.

9. Linear Miles Surveyed . 4

10. Inventory Type . . . . . I

and/or Definable Acres Surveyed . . . . . R = Reconnaissance  
and/or Legally Undefinable Acres Surveyed 5 5 .5 I = Intensive  
S = Statistical Sample

11. Description of Findings: No archaeological sites were identified and recorded during this survey.

12. Number Sites Found .0. . . . .  
(No sites = 0)

13. Collection: .N.  
(Y = Yes, N = No)

14. Actual/Potential National Register Properties Affected:  
The National Register of Historic Places (NRHP) has been consulted and no registered properties will be affected by the proposed development.

15. Literature Search. Location/ Date: Utah SHPO 6-6-96 Vernal BLM 6-12-96

16. Conclusion/ Recommendations:

AERC recommends that a cultural resource clearance be granted to United Utilities Company or these proposed developments based on the following stipulations:

1. All vehicular traffic, personnel movement, construction and restoration operations should be confined to the flagged areas, well pads and corridors examined as referenced in this report, and to the existing roadways and/or evaluated access routes.
2. All personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area.
3. The authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.

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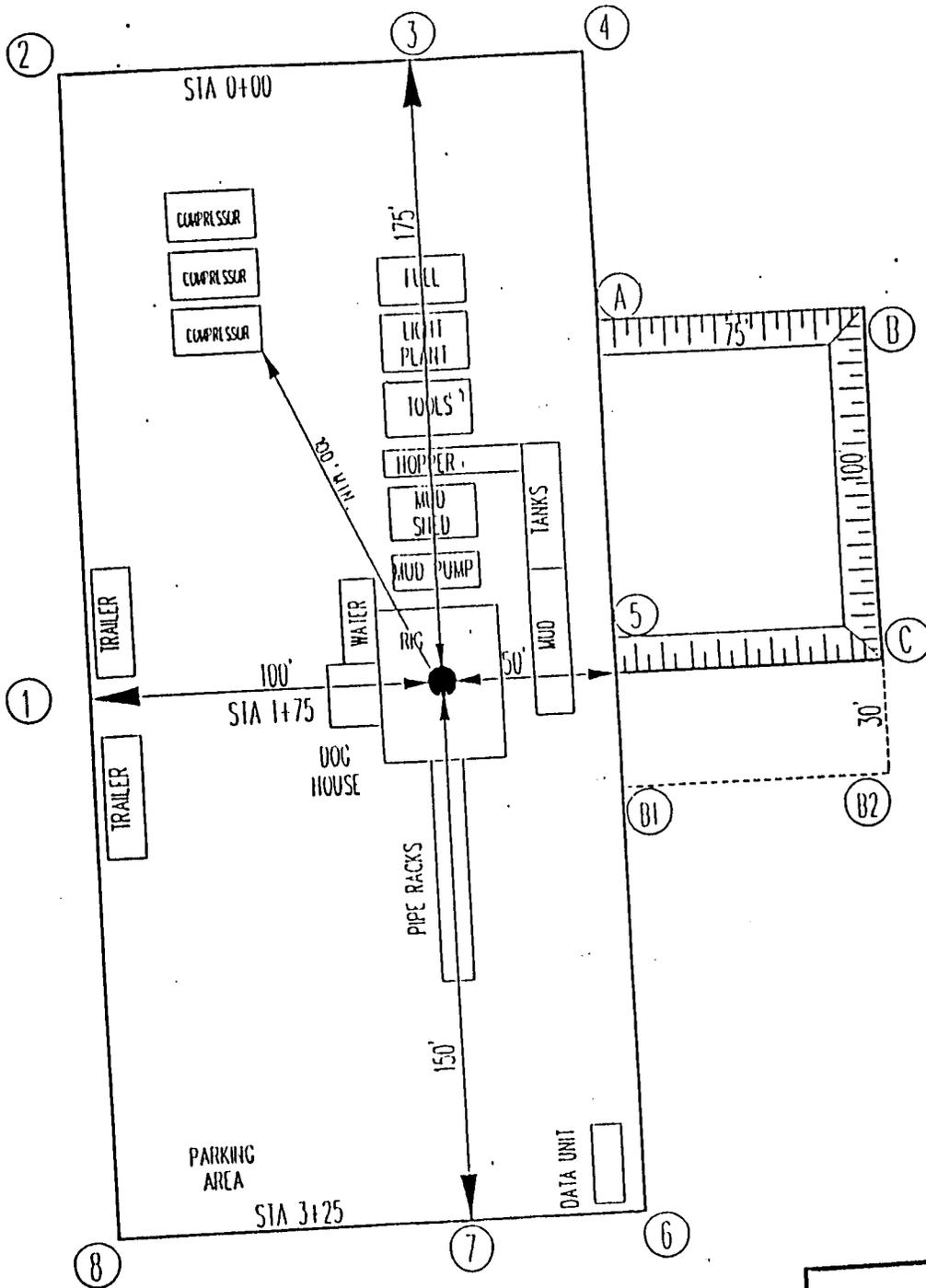
17. Signature of Administrator & Field Supervisor

Administrator:



Field  
Supervisor:

# EQUITABLE RESOURCES ENERGY CO. WELLSITE LAYOUT



- 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 (per Howard Cleavinger 11/30/93) of 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.

12/1/93  
Revised 12/7/93  
/rs

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 07/25/96

API NO. ASSIGNED: 43-013-31694

WELL NAME: MONUMENT FEDERAL 23-7-9-16Y  
 OPERATOR: EQUITABLE RESOURCES (N9890)

PROPOSED LOCATION:  
 NESW 07 - T09S - R16E  
 SURFACE: 2259-FSL-2020-~~FSL~~  
 BOTTOM: 2259-FLS-2020-~~FSL~~  
 DUCHESNE COUNTY  
 CASTLE PEAK FIELD (075)

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 5547188 )
- Potash (Y/N)
- Oil shale (Y/N)
- Water permit  
 (Number 47-1674 )
- 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: \_\_\_\_\_

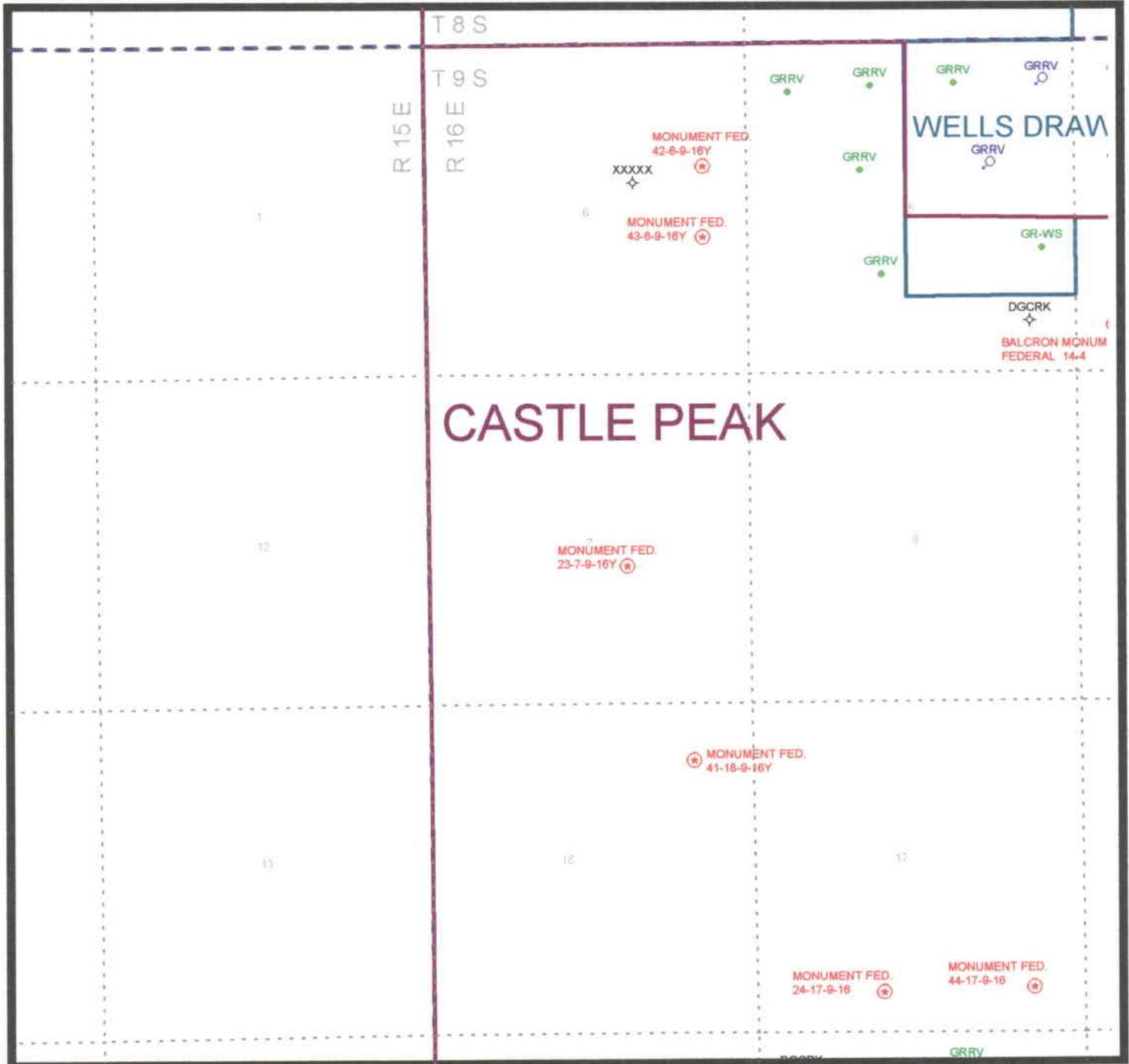
\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

OPERATOR: EQUITABLE RESOURCES  
FIELD: CASTLE PEAK  
UNIT:  
SECTIONS: 7, T9S, R16  
COUNTY: DUCHESNE  
SPACING: UAC R649-3-23



PREPARED:  
DATE: 26-JULY-96

STATE OF UTAH, DIV OF OIL, GAS & MINERALS

Operator: <b>EQUITABLE RESOURCES</b>	Well Name: <b>MON FED 23-7-9-16Y</b>
Project ID: <b>43-013-31694</b>	Location: <b>SEC. 07 - T09S - R16E</b>

Design Parameters:

Mud weight ( 8.80 ppg) : 0.457 psi/ft  
 Shut in surface pressure : 2826 psi  
 Internal gradient (burst) : 0.022 psi/ft  
 Annular gradient (burst) : 0.000 psi/ft  
 Tensile load is determined using air weight  
 Service rating is "Sweet"

Design Factors:

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

Length (feet)	Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost		
1	6,500	5.500	15.50	K-55	ST&C	6,500	4.825		
	Collapse Load (psi)	Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load (kips)	Strgth (kips)	S.F.
1	2971	4040	1.360	2971	4810	1.62	100.75	222	2.20 J

Prepared by : MATTHEWS, Salt Lake City, Utah  
 Date : 08-26-1996  
 Remarks :

GREEN RIVER

Minimum segment length for the 6,500 foot well is 1,500 feet.  
 SICP is based on the ideal gas law, a gas gravity of 0.69, and a mean gas temperature of 89°F (Surface 74°F , BHT 165°F & temp. gradient 1.400°/100 ft.)  
 String type: Production  
 The mud gradient and bottom hole pressures (for burst) are 0.457 psi/ft and 2,971 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)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse)

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

**CONFIDENTIAL** LEASE DESIGNATION AND SERIAL NO.  
UTU-74390

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 7, T9S, R16E  
 At proposed prod. zone 2259' FSL, 2020' **AM**

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.  
 #23-7-9-16Y

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

11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA  
 Sec. 7, T9S, R16E

12. COUNTY OR PARISH  
 Duchesne

13. STATE  
 Utah

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 Approximately 12.8 miles southwest of Myton, Utah

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

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL

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

19. PROPOSED DEPTH  
 6,500'

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 5987' GL

22. APPROX. DATE WORK WILL START\*  
 August 1, 1996

23. PROPOSED CASING AND CEMENTING PROGRAM

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

Operator proposes 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 of the terms and conditions of that portion of the lease associated with this application.

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

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 July 24, 1996  
 (This space for Federal or State office use)

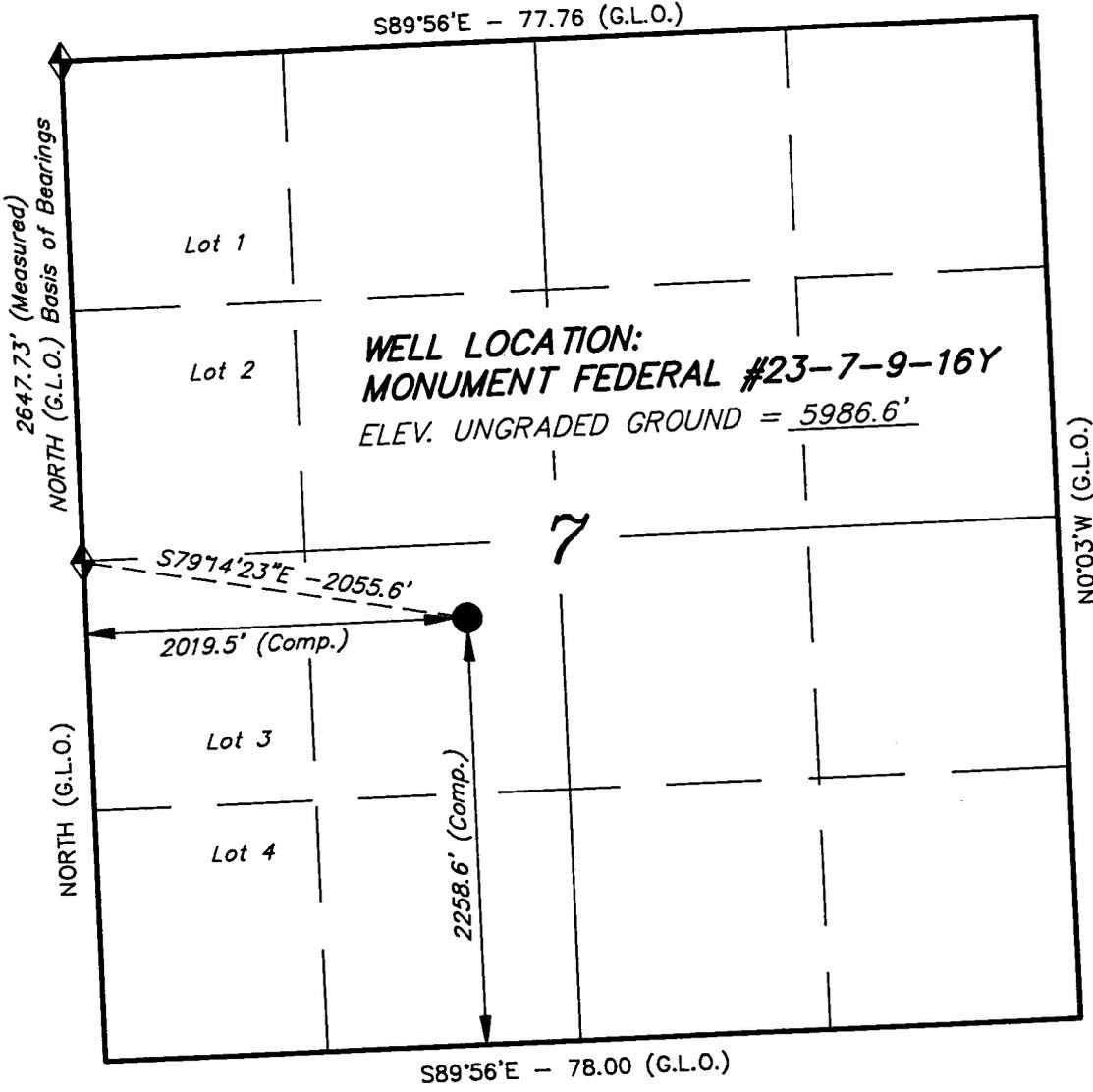
PERMIT NO. 43-013-31694 APPROVAL DATE  
 APPROVED BY [Signature] TITLE Stephen Engman DATE 8/26/96  
 CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

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

**EQUITABLE RESOURCES ENERGY CO.**

WELL LOCATION, MONUMENT FEDERAL #23-7-9-16Y, LOCATED AS SHOWN IN THE NE 1/4 SW 1/4 OF SECTION 7, 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.

*Gene Stewart*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION No. 144102  
 STATE OF UTAH NO. 144102

<b>TRI STATE LAND SURVEYING &amp; CONSULTING</b>	
38 WEST 100 NORTH DUCHESNE, UTAH 84078 (801) 781-2501	
SCALE: 1" = 1000'	SURVEYED BY: G.S.
DATE: 5-30-96	WEATHER: COOL
NOTES:	FILE #

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



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

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

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

August 26, 1996

Equitable Resources Energy  
1601 Lewis Avenue  
Billings, Montana 59102

Re: Monument Federal 23-7-9-16Y Well, 2259' FSL, 2020' FWL,  
NE SW, Sec. 7, 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 43-013-31694.

Sincerely,

*R. J. Firth*  
for 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 23-7-9-16Y  
API Number: 43-013-31694  
Lease: UTU-74390  
Location: NE SW Sec. 7 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 Frank Matthews at (801)538-5334 or Mike Hebertson at (801)538-5333.

3. Reporting Requirements

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
CONFIDENTIAL  
SEP 11 1996  
DIV. OF OIL, GAS & MINING

LEASE DESIGNATION AND SERIAL NO.

UTU-74390

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 7, T9S, R16E  
At proposed prod. zone 2259' FSL, 2020' FWL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
Approximately 12.8 miles southwest of Myton, Utah

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

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL

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

19. PROPOSED DEPTH  
6,500'

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5987' GL

22. APPROX. DATE WORK WILL START\*  
August 1, 1996

23. PROPOSED CASING AND CEMENTING PROGRAM

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

Operator proposes 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 of the terms and conditions of that portion of the lease associated with this application.

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

RECEIVED  
JUL 25 1996

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 July 24, 1996  
Bobbie Schuman

(This space for Federal or State office use)  
**NOTICE OF APPROVAL**  
PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY [Signature] Assistant Field Manager  
DATE AUG 26 1996  
TITLE Mineral Resources

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

44080-6M-185

\*See Instructions On Reverse Side

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

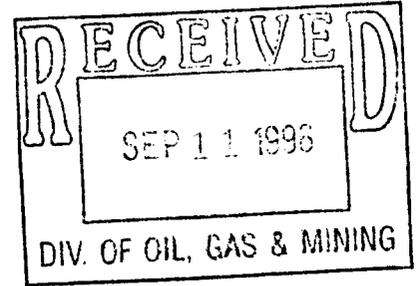
Company/Operator: Equitable Resources Energy Company

Well Name & Number: Monument Federal 23-7-9-16Y

API Number: 43-013-31694

Lease Number: U-74390

Location: NESW Sec. 07 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.

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  $\pm 1202$  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  $\pm 1002$  ft. and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

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

6. Notifications of Operations

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

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 (801) 789-9675

Ed Forsman (801) 789-7077  
Petroleum Engineer

Jerry Kenczka (801) 789-1190  
Petroleum Engineer

BLM FAX Machine (801) 781-4410

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

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

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

**SURFACE USE PROGRAM**  
Conditions of Approval (COAL)

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. If this is a producing well and after the reclamation of the reserve pit, and unused disturbed areas, contact the authorized office to obtain a seed mixture to revegetate these specific areas.

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.

A golden eagle nest is present within the area of the proposed well location. Biological surveys indicated that the nest has not been active during the last two eagle reproductive seasons. But due to potential future eagle nesting the operator is required to install a multi-cylinder engine on the pump unit of this well should the well be a producer to reduce noise levels and potential disturbance to nesting behavior.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: EQUITABLE RESOURCES

Well Name: MONUMENT FEDERAL 23-7-9-16Y

Api No. 43-013-31694

Section 7 Township 9S Range 16E County DUCHESNE

Drilling Contractor UNION

Rig #: 17

SPUDDED:

Date: 10/16/96

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

How: ROTARY

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

Reported by: D. INGRAM-DOGM

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

Date: 10/17/96 Signed: JLT

OPERATOR Equitable Resources Energy Company  
ADDRESS 1601 Lewis Avenue  
Billings, MT 59102  
(406) 259-7860

OPERATOR ACCT. NO. N 9890

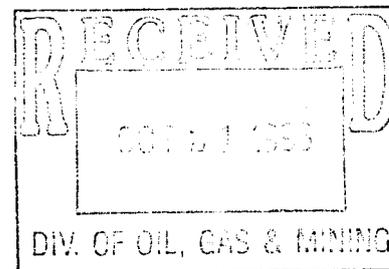
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	12019	43-013-31654	Monument Fed. #23-7-9-16Y	NE SW	7	9S	16E	Duchesne	10-16-96	10-16-96
WELL 1 COMMENTS: Entity added 10-22-96. See Spud of a new well.											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

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

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

(3/89)



Molly Conrad  
Signature  
Operations Secretary 10-17-96  
Title Date  
Phone No. ( )



**EQUITABLE RESOURCES**  
ENERGY COMPANY

**WESTERN REGION**

1601 Lewis Avenue  
Billings, MT 59102

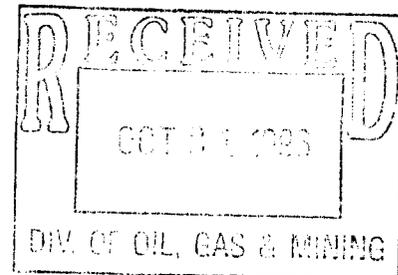
Office: (406) 259-7860

FAX: (406) 245-1365

FAX: (406) 245-1361

October 17, 1996

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



Gentlemen:

RE: Monument Federal #23-7-9-16Y  
NE SW Section 7, T9S, R16E  
Duchesne County, Utah  
Lease #U-74390

43-013-31694

This letter is notice that the subject well was spud on 10-16-96 at 7 a.m.

Please feel free to contact me if you have any questions.

Sincerely,

Molly Conrad  
Operations Secretary

/mc

cc: State of Utah, Division of Oil, Gas, & Mining - Also enclosed is the Entity  
Action Form  
Mary Lou Dixon - Uintah Health Dept. - VIA FAX

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 to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

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

5. Lease Designation and Serial No. UTU-74390

6. If Indian, Allottee or Tribe Name n/a

7. If Unit or CA, Agreement Designation n/a

8. Well Name and No. Monument Fed. #23-7-9-16Y

9. API Well No. 43-013-31694

10. Field and Pool, or Exploratory Area Mon. Butte/Green River

11. County or Parish, State Duchesne County, UTAH

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
Equitable Resources Energy Company

3. Address and Telephone No.  
1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
NE SW Section 7, T9S, R16E  
 2259' FSL, 2020' FWL

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

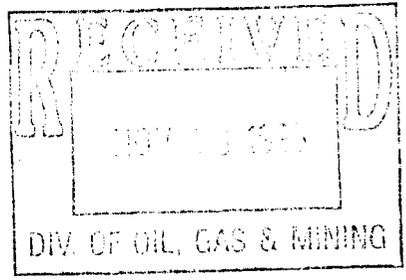
TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>1st production</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.)\*

Started this well pumping at 9:30 a.m. 11/19/96.

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



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

Signed Bobbie Schuman Title Regulatory and Environmental Specialist Date November 20, 1996

(This space for Federal or State office use)

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

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

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

\*See Instruction on Reverse Side

REPORT OF WATER ENCOUNTERED DURING DRILLING

1. Well name and number: MONUMENT FEDERAL #23-7-9-16Y

API number: #43-013-31694

2. Well Location: QQ \_\_\_\_\_ Section 7 Township 9 Range 16 County DUCHESNE

3. Well operator: EQUITABLE RESOURCES ENERGY COMPANY

Address: 1601 LEWIS AVENUE

BILLINGS, MT 59102

Phone: (406)259-7860

4. Drilling contractor: UNION DRILLING

Address: DRAWER 40

BUCKHANNON, WEST VA 26201

Phone: (304)472-4610

5. Water encountered (attach additional pages as needed):

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
		(NO MEASURABLE WATER DURING DRILLING OPERATIONS.)	

6. Formation tops: See Completion Report.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I hereby certify that this report is true and complete to the best of my knowledge. Date: 1-13-97

Name & Signature: Bobbie Schuman Title: Regulatory Specialist

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

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

**CONFIDENTIAL**

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 2259' FSL, 2020' FWL  
At top prod. interval reported below  
At total depth

14. PERMIT NO. #43-013-31694 DATE ISSUED 8-26-96

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.  
#23-7-9-16Y  
10. FIELD AND POOL, OR WILDCAT  
Monument Butte/Green River  
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
NE SW Section 7, T9S, R16E  
12. COUNTY OR PARISH  
Duchesne  
13. STATE  
Utah

15. DATE SPUDDED 10-16-96 16. DATE T.D. REACHED 10-24-96 17. DATE COMPL. (Ready to prod.) 11-19-96 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 5986' GL 19. ELEV. CASINGHEAD n/a

20. TOTAL DEPTH, MD & TVD 5900' 21. PLUG, BACK T.D., MD & TVD 5835' 22. IF MULTIPLE COMPL., HOW MANY\* n/a 23. INTERVALS DRILLED BY SFC-TD ROTARY TOOLS CABLE TOOLS n/a

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 4786'-5351' Green River 25. WAS DIRECTIONAL SURVEY MADE NO

26. TYPE ELECTRIC AND OTHER LOGS RUN CBL/GR DLL/GR LDT/CNL MUD LOG 10-22-96 27. WAS WELL CORED NO

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	288'KB	12-1/4"	160 sxs "G"w/additives	None
5-1/2"	15.5#	5878.42'KB	7-7/8"	300 sxs Super "G" + 340 sxs 50/50 poz w/ additives	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
n/a				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	4727.72'KB	n/a

31. PERFORATION RECORD (Interval, size and number)  
4786'-90' (4 SPF)  
4794'-4807' (4 SPF)  
4854'-58' (4 SPF)  
5325'-51' (2 SPF)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.  
DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED  
(SEE ATTACHMENT FOR DETAILS)

33.\* PRODUCTION

DATE FIRST PRODUCTION 11-19-96 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) 1-1/2" Insert Pump WELL STATUS (Producing or shut-in) Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
12-26-96	24	n/a	→	46	80	5	1739 SCF/BBL

FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
n/a	n/a	→	46	80	5	1739 SCF/BBL

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

35. LIST OF ATTACHMENTS #32.

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

SIGNED Sobbie Schuman TITLE Regulatory Specialist DATE 1-13-97

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

**ATTACHMENT TO COMPLETION REPORT  
MONUMENT FEDERAL # 23-7-9-16Y  
NE SW SECTION 7, T9S, R16E  
DUCHESNE COUNTY, UTAH**

<b><u>DEPTH INTERVAL</u></b>	<b><u>AMOUNT AND KIND OF MATERIAL USED</u></b>
<b>4786'-4807'</b>	<b>Break down with 3,150 gallons 2% KCL water. Fracture with 56,000# 16/30 mesh sand 20,286 gallons 2% KCL gelled water.</b>
<b>4854'-4858'</b>	<b>Break down with 1,680 gallons 2% KCL water. Fracture with 56,000# 16/30 mesh sand 20,286 gallons 2% KCL gelled water.</b>
<b>5325'-5351'</b>	<b>Break down with 2,814 gallons 2% KCL water. Fracture with 23,200# 20/40 mesh sand and 57,880# 16/30 mesh sand 22,470 gallons 2% KCL gelled water.</b>

**DAILY OPERATING REPORT**

**MONUMENT FEDERAL #23-7-9-16Y**

**Location: NE SW Section 7, T9S, R16E**

**Duchesne County, Utah**

**---TIGHT HOLE---**

**2259' FSL, 2020' FWL**

**PTD: 5,900' Formation: Green River**

**Prospect: Monument Butte**

**API #**

**Elevations: 5987' GL**

**Contractor:**

**Operator: EREC Western Region**

**Spud:**

**Casing:**

**Tubing:**

- 10/16/96 TD: 0' (0') Day 0  
MIRU. Drill rat hoe & conductor, prepare to drill 12-1/2" hole. Start up & spud @ 7:00 AM 10/16/96.
- 10/17/96 TD: 288' (288') Day 2  
Present Operation: Drilling 7-7/8" hole  
Drill 12-1/4" hole, circulate hole, run 8-5/8" csg. Test BOP stack, WOC. Drill cement in csg @ 288'.  
DC: \$5,184 CC: \$5,184
- 10/18/96 TD: 820' (203') Day 2  
Present Operation: Drilling  
Drilling 7-7/8" hole @ 25 min. per kelly w/a survey of 1° @ 600'.  
DC: \$3,654 CC: \$8,838
- 10/19/96 TD: 2227' (1407') Day 3  
Formation: Sand & Shale  
Present Operation: Drlg 7-7/8" hole  
Drilled 7-7/8" hole @ 20-25 min/kelly, ran surveys @ 1175' - 3/4° and 1675' - 3/4°.   
DC: \$25,326 CC: \$34,164
- 10/20/96 TD: 3480' (1253') Day 4  
Formation: Sand & Shale  
Present Operation: Drlg 7-7/8" hole  
Drilled 7-7/8" hole on air/foam, service & ran surveys @ 2175' - 1°, 2675' - 1°, and 3195' - 1-1/4°. Gas check @ connection 3480' - 120 units.  
DC: \$22,554 CC: \$56,718

**EREC WESTERN REGION**  
**DAILY OPERATING REPORT**

**MONUMENT FEDERAL #23-7-9-16Y**

**Location: NE SW Section 7, T9S, R16E**

**Duchesne County, Utah**

**---TIGHT HOLE---**

10/21/96 TD: 4160' (680') Day 5  
Formation: Sand & Shale  
Present Operation: Drilling 7-7/8" hole  
Drilled 7-7/8" hole w/air & foam, loaded hole w/fluid @ 4133', Trip for bit #3. PU motor & bit #4, TIH, drill 7-7/8" hole w/motor (MW 8.3 VIS 28).  
DC: \$12,240 CC: \$68,958

10-22-96 TD: 5,002' (842') Day 6  
Formation: Sand and Shale  
Present Operation: Drilling  
Drill & run survey @ 4650' 1-3/4 deg.  
DC: \$15,156 CC: \$84,114

10/23/96 TD: 5842' (840') Day 7  
Present Operation: Drilling 7-7/8" hole  
Drilled 840' of 7-7/8" hole. Ran 2 surveys @ 5150' - 2° & 5650' - 1-3/4°, service rig.  
DC: \$15,120 CC: \$99,234

10/24/96 TD: 5900' (58') Day 8  
(REVISED) Formation: Sand & Shale  
MW 8.4 VIS fresh wtr  
Present Operation: Rigging Down  
Drilled 58' of 7-7/8" hole to TD @ 5900'. Circulate hole, TOO H, LD drill pipe & drill collars. Nipple down, log well, ran 5868' of 5-1/2", J-55, 15.5# csg as follows:

Shoe	.90'
Shoe Jt.	42.30'
Float Collar	1.10'
138 jts csg	5824.12'
Total Csg Length	5868.42'
Landing Jt.	10.00'
Depth Landed	5878.42' KB
PBTD	5834.12' KB

Cement 5-1/2" csg w/lead = 300 sxs Super "G" + 3% salt + 2% Gel = 2#/sx Kolseal + ¼#/sx Cello Flake. Tail w/340 sxs 50/50 poz + 2% Gel + ¼#/sx Cello Flake + 2#/sx Kolseal. Plug down @ 11:30 PM. RDMO. Release Rig @ 3:30 AM.  
DC: \$1,044 CC: \$100,278



**EREC WESTERN REGION  
DAILY OPERATING REPORT**

**MONUMENT FEDERAL #23-7-9-16Y**

**Location: NE SW Section 7, T9S, R16E**

**Duchesne County, Utah**

---TIGHT HOLE---

11/04/96 Completion  
 RU BJ Services & frac 4786' - 4858' w/20,286 gals 2% KCL gelled wtr & 56,000 lbs 16/30 mesh sand. ATP = 2350 psi, ATR = 32.9 bpm, ISIP = 2500 psi, 5 min = 1760 psi, 10 min = 1540 psi, 15 min = 1390 psi, 30 min = 1170 psi. Used 483 bbls wtr. Start forced closure flow back (1.1 bpm). Flow back 295 bbls wtr. TIH w/retrieving tool, 2-3/8" x 4' sub, HD pkr, SN & 153 jts tbg. Tag sand @ 4748' KB. Circulate down to BP @ 4945' KB. Set pkr @ 4721' KB. Made 10 swab runs. Recovered trace of oil, 51 bbls wtr & some sand. SWIFD.  
 DC: \$28,521 CC: \$174,513

11/05/96 Completion  
 BP @ 4945' KB, pkr @ 4721' KB. Fluid level @ 150'. 1st run - 1% oil. Made 39 swab runs. Recovered 12 bbls oil, 177 bbls wtr, trace sand, good gas. Oil 15% last 3 runs. Fluid level 2600' last 5 runs. SWIFD.  
 DC: \$5,642 CC: \$180,155

11/06/96 Completion  
 Release pkr, tag sand @ 4900' KB, circulate down to BP @ 4945' KB. Release BP, TOOH w/tbg, pkr & BP. TIH w/production string (tbg) as follows:

	<u>LENGTH</u>	<u>DEPTH KB</u>
1 - Notched-pinned collar	.40'	5434.47'
1 - jt 2-7/8", EUE, J-55, 8rd, 6.5#	29.61'	5434.07'
1 - perf sub 2-7/8" x 4'	4.20'	5404.46'
1 - SN 2-7/8"	1.10'	5400.26'
22 - jts 2-7/8", EUE, J-55, 8rd, 6.5#	678.69'	5399.16'
1 - tbg anchor 2-7/8" x 5-1/2" (TRICO)	2.75'	4720.47'
152 - jts 2-7/8", EUE, J-55, 8rd, 6.5#	4707.72'	4717.72'
KB	10.00'	

ND BOP, ND 5-M well head, NU 3-M well head. Set tbg anchor w/12" tension. TIH w/production string (rods) as follows:

- 1 - DHP 2-1/2" x 1-1/2" x 16' TWAC w/spray metal plunger (TRICO #1199)
- 1 - Pony 7/8" x 2' w/2-1/2" guide
- 1 - K-bar 1-1/2" x 25'
- 1 - Pony 7/8" x 2' w/2-1/2" guide
- 214 - Plain 3/4" x 25'
- 1 - Polish rod 1-1/2" x 22'

Hang well on. Pressure test DHP & tbg to 1000 psi, OK. Shut well in. RDMO.  
 DC: \$24,736 CC: \$204,891

11/19/96 Start well pumping @ 9:30 AM. 4-1/2 SPM, 83" stroke.  
 DC: \$15,389 CC: \$220,280

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.  
UTU-74390

6. If Indian, Allottee or Tribe Name  
n/a

7. If Unit or CA, Agreement Designation  
n/a

8. Well Name and No.  
Monument Federal 23-7-9-16Y,

9. API Well No.  
43-013-31694

10. Field and Pool, or Exploratory Area  
Monument Butte/Green River

11. County or Parish, State  
Duchesne County, Utah

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
EQUITABLE RESOURCES ENERGY COMPANY

3. Address and Telephone No.  
1601 Lewis Avenue Billings, MT 59102 (406)259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
NE SW Section 7, T9S, R16E  
2259' FSL, 2020' FWL

**CONFIDENTIAL**

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"/> 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>Onshore Order #7</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.)\*

Any water produced by this well will be held in a produced water tank and trucked to a commercial disposal facility. The primary facility to be used is the R.N. Industries produced water disposal facility located in Section 9, T2S, R2W in Duchesne County, Utah. A copy of the State-issued permit for that facility is on file at the Vernal Bureau of Land Management. If for some reason the operator is unable to use this primary disposal facility, the produced water will be trucked to another State-approved disposal facility. If applicable, Operator has received approved Right-of-Way access to this well location for the Vernal Bureau of Land Management.

14. I hereby certify that the foregoing is true and correct  
Signed Bobbie Schuman Title Regulatory Specialist Date 1-13-97  
(This space for Federal or State office use)

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

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

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 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

EQUITABLE RESOURCES ENERGY COMPANY

3. Address and Telephone No.

1601 LEWIS AVENUE Billings, MT 59102 (406)259-7860

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

NE SW SECTION 7, T9S, R17E  
2259' FSL, 2020' FWL

5. Lease Designation and Serial No.

UTU -74390

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

n/a

8. Well Name and No.

Mon. Fed. 23-7-9-16Y

9. API Well No.

43-013-31694

10. Field and Pool, or Exploratory Area

Mon. Butte/Grn River

11. County or Parish, State

Duchesne County, UT

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"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Site Security Diagram</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 drill give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Attached is Site Security Diagram for this well.

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

Signed

*Debbie Korman*

Title

*Regulatory Specialist*

Date

1-13-97

(This space for Federal or State office use)

Approved by

Title

Date

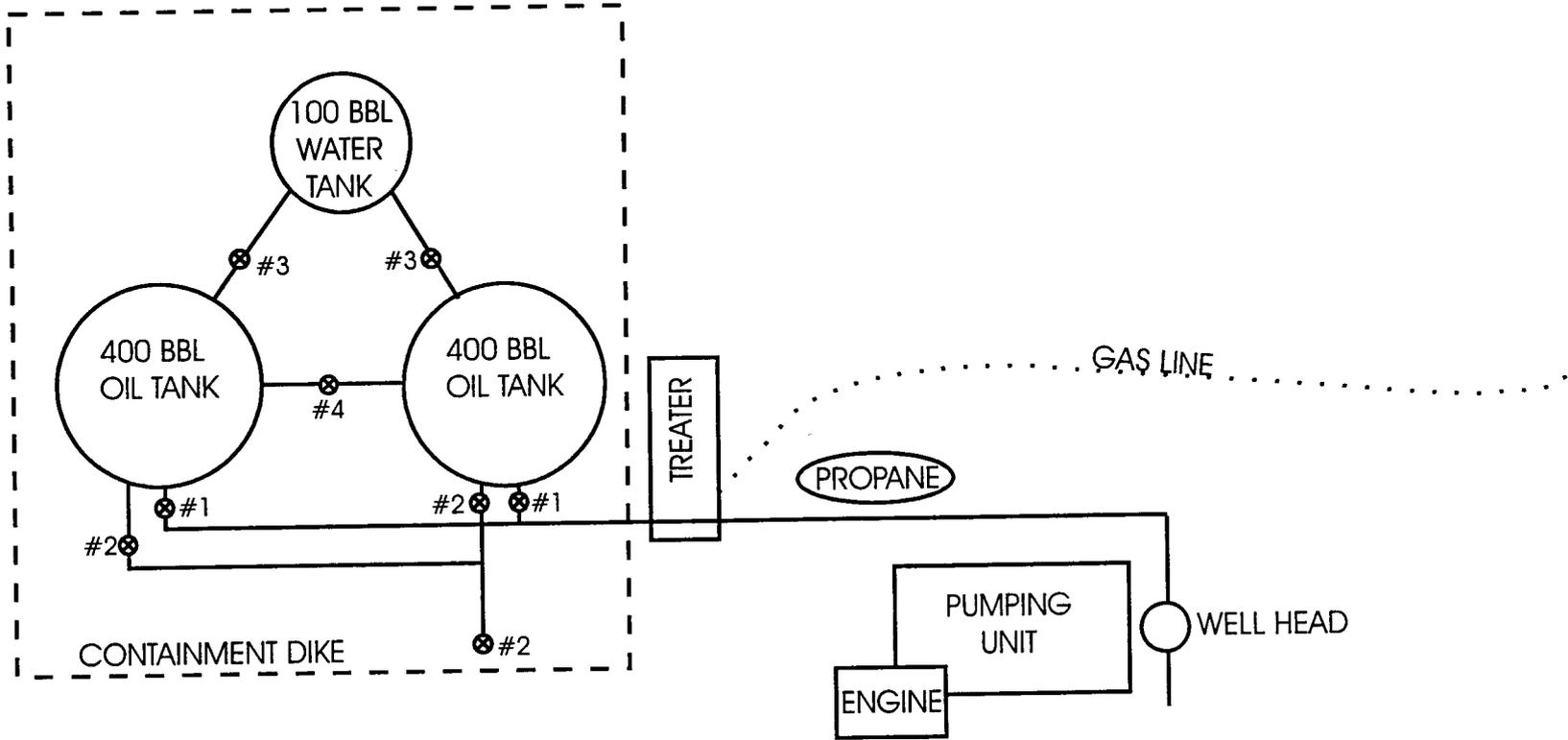
Conditions of approval, if any:

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

\*See Instruction on Reverse Side

EQUITABLE RESOURCES ENERGY COMPANY  
 MONUMENT FEDERAL #23-7-9-16Y  
 PRODUCTION FACILITY DIAGRAM

MONUMENT FEDERAL #23-7-9-16Y  
 NE SW SEC. 7, T9S, R16E  
 DUCHESNE COUNTY, UTAH  
 FEDERAL LEASE #U-74390



ACCESS ROAD



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

DIAGRAM NOT TO SCALE



PLAN LOCATED AT:  
**EQUITABLE RESOURCES ENERGY COMPANY**  
 WESTERN REGION

1601 Lewis Avenue  
 Billings, MT 59102  
 (406) 259-7860

JANUARY 15, 1997

RECEIVED

OCT 16 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.

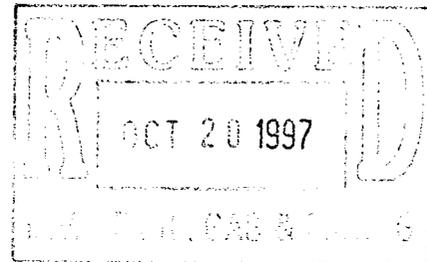
If you should have questions regarding this matter, please do not hesitate to contact me at the number listed below.

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

**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 Exhibit

5. Lease Designation and Serial No.

See Attached

6. If Indian, Allottee or Tribe Name

See Attached

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(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 wells on the attached list. 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 10 1997

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

Signed

*Chris A. Potter*

CHRIS A. POTTER, ATTORNEY-IN-FACT

Title

Date

9/30/97

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:



# United States Department of the Interior

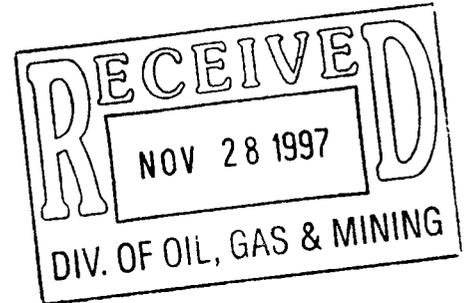
## BUREAU OF LAND MANAGEMENT

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: <sup>43-013-31694</sup> Well No. Mon. Fed. 23-7-9-16Y  
NESW, Sec. 7, 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

INLAND

Inland Resources Change of Operator							
WELL NAME	LOCATION	COUNTY	ST	FIELD NAME	API NUMBER	LEASE NO.	AGEEMENT
✓ WALTON FEDERAL #1	SESE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15792-00	UTU096550	UTU72086A
✓ WALTON FEDERAL #2	NWNE 149S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15793-00	UTU096550	UTU72086A
WALTON FEDERAL #34-11	SWSE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31003-00	UTU096550	UTU72086A
✓ WALTON FEDERAL #4	SENE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15795-00	UTU096550	UTU72086A
✓ ALLEN FEDERAL #31-6G	NWNE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (U)	43-013-31442-00	UTU020252A	
✓ BALCRON FEDERAL #21-13Y	NENW 139S 16E	DUCHESNE	UT	MONUMENT BUTTE (U)	43-013-31400-00	UTU64805	
✓ BALCRON FEDERAL #21-25Y	NENW 259S 16E	DUCHESNE	UT	MONUMENT BUTTE (U)	43-013-31394-00	UTU64380	
✓ BALCRON FEDERAL #44-14Y	SESE 149S 17E	UINTAH	UT	MONUMENT BUTTE (U)	43-047-32438-00	UTU64806	
✓ CASTLE PEAK FEDERAL #24-10A	SESW 169S 16E	DUCHESNE	UT	MONUMENT BUTTE (U)	43-013-30555-00	UTU72107	
✓ CASTLE PEAK STATE #43-16	NESE 169S 16E	DUCHESNE	UT	MONUMENT BUTTE (U)	43-013-30594-00		891008243C
✓ K. JORGENSON STATE #16-4	NESE 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (U)	43-013-30572-00	ML-3453-B	
✓ STATE #16-2	NENE 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (U)	43-013-30552-00	ML-3453-B	
✓ BALCRON FEDERAL #21-9Y	NENW 9 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31396-00	UTU65207	
✓ BALCRON FEDERAL #41-21Y	NENE 219S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31392-00	UTU64379	
✓ MONUMENT FEDERAL #31-6-9-16	NWNE 6 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31717-00	UTU74390	
✓ MONUMENT FEDERAL #32-6-9-16Y	SW NE 6 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31300-00	UTU74390	
✓ MONUMENT FEDERAL #42-6-9-16Y	SE NW 6 9S 15E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31645-00	UTU74390	
✓ MONUMENT FEDERAL #41-6-9-16	NENE 6 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31718-00	UTU74390	
✓ MONUMENT FEDERAL #31-8-9-16	NW NE 8 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31721-00	UTU020255	
✓ MONUMENT FEDERAL #41-8-9-16	NENE 8 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31619-00	UTU020255	
✓ MONUMENT FEDERAL #11-9-9-16	NW NW 9 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31618-00	UTU020254	
✓ MONUMENT FEDERAL #33-6-9-16Y	NW SE 6 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31589-00	UTU74390	
✓ MONUMENT FEDERAL #43-6-9-16Y	NE SE 6 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31644-00	UTU74390	
✓ MONUMENT FEDERAL #44-6-9-16Y	SE SE 6 9S 15E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31720-00	UTU74390	
✓ MONUMENT FEDERAL #31-18-9-16	NW NE 189S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31725-00	UTU74390	
✓ MONUMENT FEDERAL #41-18Y	NE NE 189S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31646-00	UTU74390	
✓ MONUMENT FEDERAL #42-18Y	SE NE 189S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31724-00	UTU74390	
✓ MONUMENT FEDERAL #31-21-9-16	NW NE 219S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31726-00	UTU64379	
✓ MONUMENT FEDERAL #11-22Y	NW NW 229S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31647-00	UTU64379	
✓ MONUMENT FEDERAL #13-4-9-16	NW SW 4 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31716-00	UTU73086	
✓ MONUMENT FEDERAL #14-4	SWSW 4 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31666-00	UTU73086	
✓ MONUMENT FEDERAL #22-20-9-16	SE NW 209S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31681-00	UTU52018	
✓ MONUMENT FEDERAL #23-7-9-16	NESW 7 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31694-00	UTU74390	
✓ MONUMENT FEDERAL #24-17-9-16	SESW 179S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31682-00	UTU52018	
✓ MONUMENT BUTTE #34-31-8-16	SW SE 318S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31715-00	UTU74389	
✓ MONUMENT FEDERAL #33-10-9-16	NW SE 109S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31722-00	UTU72107	
✓ MONUMENT BUTTE #43-10-9-16	NE SE 109S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31723-00	UTU72107	
✓ CHORNEY FEDERAL #1-9	SWSE 9 9S 19E	UINTA	UT	PARIETTE BENCH	43-047-30070-00	UTU5843	
✓ HENDEL FEDERAL #1	SWSW 9 9S 19E	UINTA	UT	PARIETTE BENCH	43-047-20011-00	UTU058149	



**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,

A handwritten signature in cursive script that reads "Molly Conrad".

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.*

# 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.

1-LEC	6-VFC
2-GLH	7-KAS
3-DTS	8-SI
4-VLD	9-FILE
5-IRB	

- 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 COMPANY</u>
(address)	<u>PO BOX 1446</u>	(address)	<u>PO BOX 577</u>
	<u>ROOSEVELT UT 84066</u>		<u>LAUREL MT 59044</u>
			<u>C/O CRAZY MTN O&amp;G</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>43-013-31114</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: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

## OPERATOR CHANGE DOCUMENTATION

- lec 1. (r649-8-10) Sundry or other legal documentation has been received from the FORMER operator (attach to this form). *(Rec'd 12-10-97)*
- lec 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)*
- N/A 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: \_\_\_\_\_
- lec 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.
- lec 5. Changes have been entered in the Oil and Gas Information System (3270) for each well listed above. *(12-2-97)*
- lec 6. Cardex file has been updated for each well listed above. *(12-3-97)*
- lec 7. Well file labels have been updated for each well listed above. *(12-3-97)*
- lec 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. *(12-3-97)*
- lec 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**

- J  
JPC 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/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  
JPC 1. (r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond.
- \_\_ 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 <sup>12/5/97</sup> 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated \_\_\_\_\_ 19 \_\_\_\_, of their responsibility to notify all interest owners of this change.

**FILMING**

- JPC 1. All attachments to this form have been microfilmed. Today's date: 1-14-98.

**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**

971202 Blm/Vernal Aprv. Nov. 10, 13 & 20, 1997.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801

# MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

C/O CRAZY MTN O&G SVS'S  
EQUITABLE RESOURCES ENERGY  
PO BOX 577  
LAUREL MT 59044

UTAH ACCOUNT NUMBER: N9890

REPORT PERIOD (MONTH/YEAR): 9 / 97

AMENDED REPORT  (Highlight Changes)

Well Name API Number    Entity    Location	Producing Zone	Well Status	Days Oper	Production Volumes		
				OIL(BBL)	GAS(MCF)	WATER(BBL)
MONUMENT FEDERAL 41-18-9-16Y 4301331646 11941 09S 16E 18	GRRV			U74390		
MONUMENT FEDERAL 13-22-8-17Y 4301331583 11942 08S 17E 22	GRRV			U67845		
MONUMENT FEDERAL 42-6-9-16Y 4301331645 11947 09S 16E 6	GRRV			U74390		
MONUMENT FEDERAL 32-22-8-17 4301331586 11959 08S 17E 22	GRRV			U67845		
MONUMENT FEDERAL 43-6-9-16Y 4301331644 11960 09S 16E 6	GRRV			U74390		
MONUMENT FEDERAL 22-20-9-16 4301331681 11961 09S 16E 20	GRRV			U52018		
CRON MONUMENT FEDERAL 14-4 4301331666 11965 09S 16E 4	GRRV			U034217A		
MONUMENT FEDERAL 11-22-9-16Y 4301331647 11986 09S 16E 22	GRRV			U64379		
MONUMENT FEDERAL 31-5-9-17 4301331680 11987 09S 17E 5	GRRV			U74808		
MONUMENT FEDERAL 24-17-9-16 4301331682 11994 09S 16E 17	GRRV			U52018		
MONUMENT STATE 11-2-9-17CD 4301331685 11995 09S 17E 2	GRRV			ML45555		
MONUMENT STATE 32-2 4304732737 12000 09S 17E 2	GRRV			"		
MONUMENT FEDERAL 23-7-9-16Y 4301331694 12019 09S 16E 7	GRRV			UTU74390		
<b>TOTALS</b>						

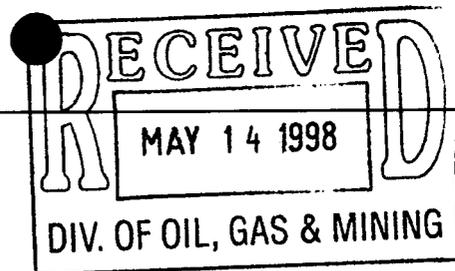
COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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

Date: \_\_\_\_\_

Name and Signature: \_\_\_\_\_

Telephone Number: \_\_\_\_\_



April 29, 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  
Monument Federal #23-7, West Point Unit  
Monument Butte Field, Lease #UTU-74390  
Section 7-Township 9S-Range 16E  
Duchesne County, Utah

Dear Mr. Jarvis:

Inland Production Company herein requests approval to convert the Monument Federal #23-7 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

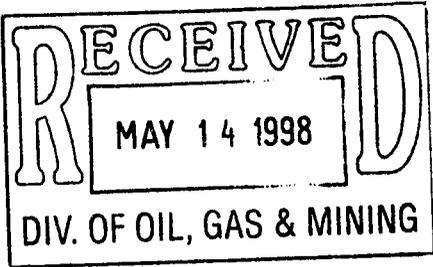
**INLAND PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**MONUMENT FEDERAL #23-7**  
**WEST POINT UNIT**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**LEASE #UTU-74390**  
**APRIL 29, 1998**

## TABLE OF CONTENTS

LETTER OF INTENT	
COVER PAGE	
TABLE OF CONTENTS	
UIC FORM 1 – APPLICATION FOR INJECTION WELL	
WELLBORE DIAGRAM OF PROPOSED INJECTION	
WORK PROCEDURE FOR INJECTION CONVERSION	
COMPLETED RULE R615-5-1 QUESTIONNAIRE	
COMPLETED RULE R615-5-2 QUESTIONNAIRE	
ATTACHMENT A	ONE-HALF MILE RADIUS MAP
ATTACHMENT A-1	WELL LOCATION PLAT
ATTACHMENT B	LIST OF SURFACE OWNERS WITHIN ONE-HALF MILE RADIUS
ATTACHMENT C	CERTIFICATION FOR SURFACE OWNER NOTIFICATION
ATTACHMENT E	WELLBORE DIAGRAM – MONUMENT FEDERAL #23-7
ATTACHMENT E-1	WELLBORE DIAGRAM – NINE MILE #2-7
ATTACHMENT E-2	WELLBORE DIAGRAM – NINE MILE #3-7
ATTACHMENT E-3	WELLBORE DIAGRAM – NINE MILE #5-7
ATTACHMENT E-4	WELLBORE DIAGRAM – NINE MILE #6-7
ATTACHMENT E-5	WELLBORE DIAGRAM – NINE MILE #7-7
ATTACHMENT E-6	WELLBORE DIAGRAM – NINE MILE #10-7
ATTACHMENT E-7	WELLBORE DIAGRAM – NINE MILE #12-7
ATTACHMENT E-8	WELLBORE DIAGRAM – NINE MILE #15-7
ATTACHMENT F	WATER ANALYSIS OF THE FLUID TO BE INJECTED
ATTACHMENT F-1	WATER ANALYSIS OF THE FLUID IN THE FORMATION
ATTACHMENT F-2	WATER ANALYSIS OF THE COMPATIBILITY OF THE FLUIDS
ATTACHMENT G	FRACTURE GRADIENT CALCULATIONS
ATTACHMENT G-1	FRACTURE REPORT DATED 10-30-96
ATTACHMENT G-2	FRACTURE REPORT DATED 11-4-96
ATTACHMENT H	WORK PROCEDURE FOR PROPOSED PLUGGING AND 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

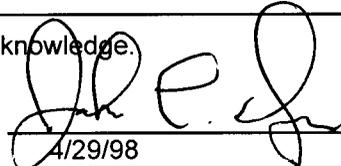
Well Name and number: Nine Mile #23-7  
Field or Unit name: Monument Butte (Green River) West Point Unit Lease No. UTU-74390  
Well Location: QQ NESW section 7 township 9S range 16E county Duchesne

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: 10/28/96  
API number: 43-013-31694

Proposed injection interval: from 4786' to 5351'  
Proposed maximum injection: rate 500 bpd pressure 2464 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 4/29/98  
Phone No. (303) 292-0900

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

Comments:

# Monument Federal 23-7

Spud Date: 10-16-96  
 Put on Production: 11-19-96  
 GL: ? KB: ?

Initial Production: ? BOPD, ?  
 MCFPD, ? BWPD

## Proposed Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 DEPTH LANDED: 288'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: ?

### PRODUCTION CASING

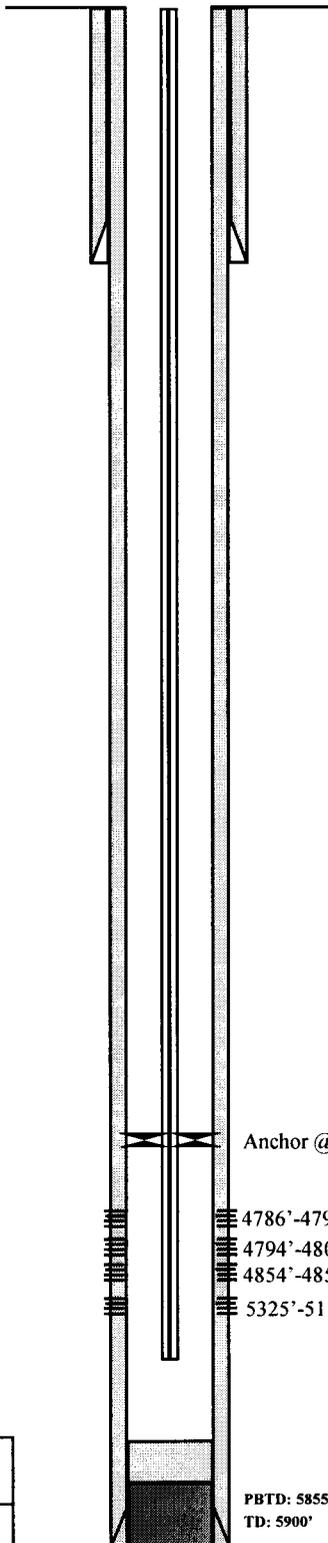
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 138 jts (5868.42')  
 DEPTH LANDED: 5878.42'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sx Super "G" & 340 sx 50/50 Poz

### TUBING

SIZE/GRADE/WT.: 2-7/8" 6.5 J-55  
 NO. OF JOINTS: 174 jts.  
 TUBING ANCHOR: 4720.47'  
 TOTAL STRING LENGTH: ?  
 SN LANDED AT: 5400.26'

### FRAC JOB

10-30-96 5325'-5351' Fracas follows:  
 23,200# 20/40 & 57,880# 16/30 sd  
 ATP-2790 psi, ATR-32 BPM. ISIP-  
 2660 psi, 5 min 2120 psi.  
 11-04-96 4786'-4858' Fracas follows:  
 56,000# 16/30 sd. ATP-2350psi,  
 ATR-32.9 BPM. ISIP-2500 psi,  
 5 min 1760 psi.



### PERFORATION RECORD

10-29-96	5325'-5351'	2 JSPF	52 holes
11-01-96	4786'-4790'	4 JSPF	16 holes
11-01-96	4794'-4807'	4 JSPF	52 holes
11-01-96	4854'-4858'	4 JSPF	16 holes



**Inland Resources Inc.**

Monument Federal 23-7  
 2259' FSL and 2020' FWL  
 NESW Section 7-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31694; Lease #U-74390

PBTD: 5855'  
 TD: 5900'

## 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 Monument Federal #23-7 from a producing oil well to a water injection well in the Monument Butte (Green River) Field, West Point Unit.

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

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

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

The injection zone is in the Douglas Creek Member of the Green River Formation. At the Monument Federal #23-7 well, the proposed injection zone is from 4786'-5351'. 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 4786'.

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

The referenced log for the Monument Federal #23-7 is on file with the Utah Division of Oil, Gas and Mining.

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

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

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

See Attachment B.

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

See Attachment C.

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

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

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

This proposed injection well is on a 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 288'GL, and the 5-1/2" casing run from surface to 5878.42' 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 2464 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 Monument Federal #23-7, for proposed zones (4786'-5351') calculates at .95 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 2464 psig. See Attachment G through G-2.

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

In the Monument Federal #23-7, the injection zone (4786'-5351') is in the Douglas Creek member of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The Douglas Creek member is composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31', and is confined to the Monument Butte Field. Outside the Monument Butte Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

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

See Attachments E through E-8.

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

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

See Attachment C.

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

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

Attachment A

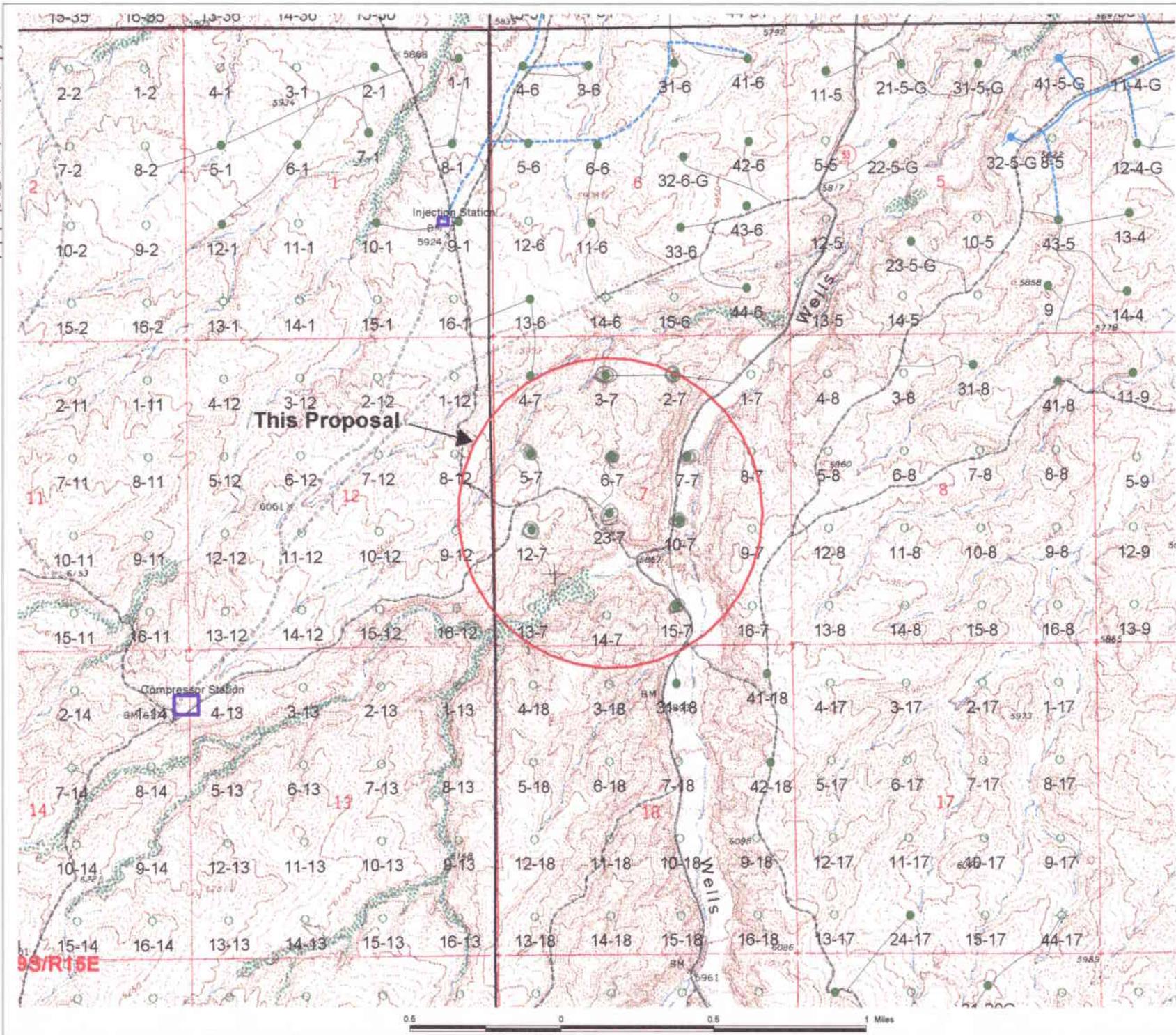


Exhibit "A"



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

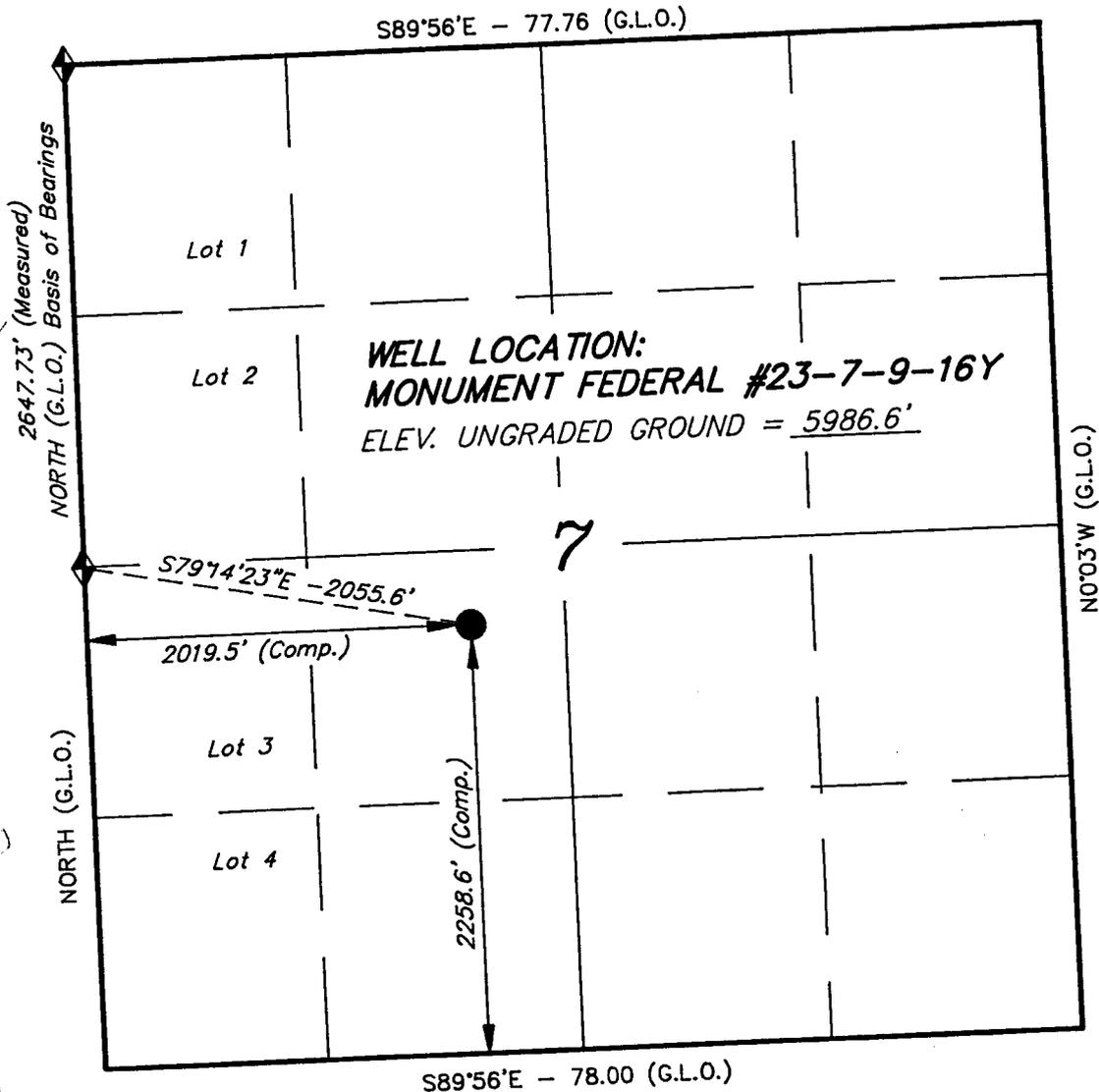
URYA BASIN  
Division of North Carolina, USA



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

**EQUITABLE RESOURCES ENERGY CO.**

WELL LOCATION, MONUMENT FEDERAL #23-7-9-16Y, LOCATED AS SHOWN IN THE NE 1/4 SW 1/4 OF SECTION 7, 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.

*Gene Swartz*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION No. 144102  
 STATE OF UTAH NO. 144102

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

SCALE: 1" = 1000'	SURVEYED BY: G.S.
DATE: 5-30-96	WEATHER: COOL
NOTES:	FILE #

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

Attachment A-1

## 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  
Monument Federal #23-7

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

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



Inland Production Company  
John E. Dyer  
Chief Operating Officer

Sworn to and subscribed before me this 29th day of April, 1998.

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



My Commission Expires 11/14/2000

# Monument Federal 23-7

Spud Date: 10-16-96  
 Put on Production: 11-19-96  
 GL: ? KB: ?

Initial Production: ? BOPD, ?  
 MCFPD, ? BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 DEPTH LANDED: 288'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: ?

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 138 jts. (5868.42')  
 DEPTH LANDED: 5878.42'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sx Super "G" & 340 sx 50/50 Poz

**TUBING**

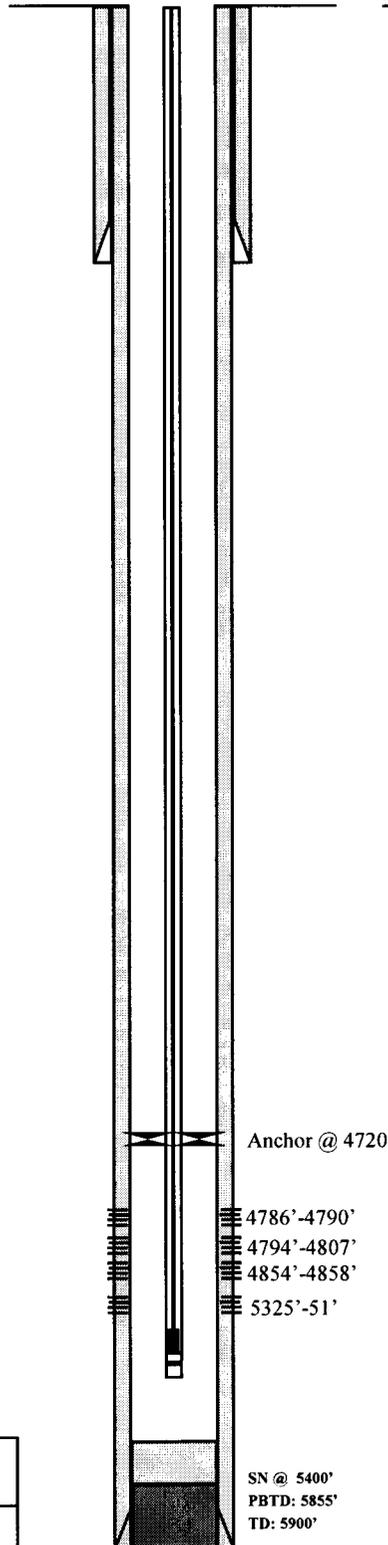
SIZE/GRADE/WT.: 2-7/8" 6.5 J-55  
 NO. OF JOINTS: 174 jts.  
 TUBING ANCHOR: 4720.47'  
 TOTAL STRING LENGTH: ?  
 SN LANDED AT: 5400.26'

**ROD STRING**

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 214-3/4" plain  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' RWAC  
 STROKE LENGTH: 83" @ 4.5" SPM  
 LOGS: ?

**FRAC JOB**

10-30-96 5325'-5351' Fracas follows:  
 23,200# 20/40 & 57,880# 16/30 sd  
 ATP-2790 psi, ATR-32 BPM. ISIP-  
 2660 psi, 5 min 2120 psi.  
 11-04-96 4786'-4858' Fracas follows:  
 56,000# 16/30 sd. ATP-2350psi,  
 ATR-32.9 BPM. ISIP-2500 psi,  
 5 min 1760 psi.



**PERFORATION RECORD**

10-29-96	5325'-5351'	2 JSPF	52 holes
11-01-96	4786'-4790'	4 JSPF	16 holes
11-01-96	4794'-4807'	4 JSPF	52 holes
11-01-96	4854'-4858'	4 JSPF	16 holes



**Inland Resources Inc.**  
 Monument Federal 23-7  
 2259' FSL and 2020' FWL  
 NESW Section 7-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31694; Lease #U-74390

# Nine Mile #2-7

Spud Date: 2-23-98  
 Put on Production: 3-31-98  
 GL: ? KB: ?

Initial Production: ? BOPD, ?  
 MCFPD, ? BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (286')  
 DEPTH LANDED: 287'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 120 sxs Premium cmt, est 4.5 bbls to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 138 jts (5892')  
 DEPTH LANDED: 5903'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 380 sks Hibond mixed & 350 sks thixotropic  
 CEMENT TOP AT:

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 167 jts  
 TUBING ANCHOR: 5216'  
 TOTAL STRING LENGTH: ?  
 SN LANDED AT: 5282'

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 9-1 1/2" wt rods, 4-7/8" scraped; 1 1/6-3/4" plain, 80-3/4" scraped, 1-8", 1-6", 1-4", 1-2"x7/8" pony rods  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC  
 STROKE LENGTH: 74"  
 PUMP SPEED, SPM: 9 SPM  
 LOGS: DIGL/SP/GR/CAL (5940'-300')  
 DSN/SDL/GR (5924'-3000')

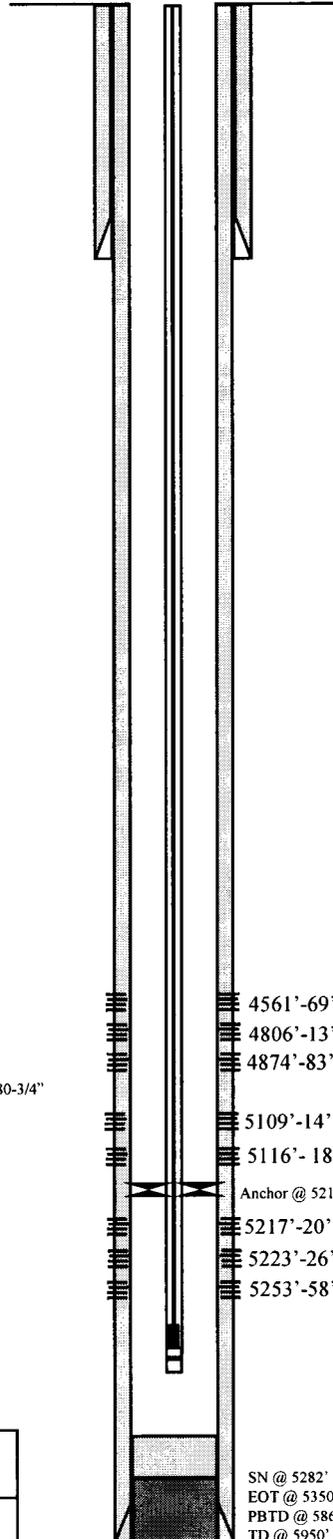
**FRAC JOB**

**3-21-98 5217'-5258'** **Frac A sand as follows:**  
 111,300# of 20/40 sd in 560 bbls Delta. Breakdown @ 3563 psi. Treated @ avg rate 31 bpm, avg press 2500 psi. ISIP-2624 psi, 5-min 2449 psi. Flowback for 3 hrs & died.

**3-24-98 4819'-4830'** **Frac B sand as follows:** 120,300# of 20/40 sd in 572 bbls Delta Frac. Breakdown @ 2586 psi. Treated @ avg rate of 28.5, avg press 2000 psi. ISIP-2289 psi, 5-min 2146 psi. Flowback on 12/64" ck for 4 hrs & died.

**3-26-98 4806'-4883'** **Frac D sand as follows:**  
 127,200# 20/40 sand in 595 bbls Delta. Breakdown @ 1726 psi. Treated w/avg press of 2135 psi, w/avg rate of 30 BPM. ISIP-2302 psi, 5 min 2175 psi. Flowback on 12/64" ck for 4-1/2 hrs & died.

**3-27-98 4561'-4569'** **Frac PB sand as follows:**  
 81,300# 20/40 sand in 432 bbls Delta. Breakdown @ 2395 psi. Treated w/avg press of 2475 psi, w/avg rate of 27.1 BPM. ISIP-2654 psi, 5 min 2311 psi. Flowback on 12/64" ck for 3-1/2 hrs & died.



**PERFORATION RECORD**

Date	Depth Range	Tool Joint	Holes
3-20-98	5217'-5220'	4 JSPF	12 holes
3-20-98	5223'-5226'	4 JSPF	12 holes
3-20-98	5253'-5258'	4 JSPF	20 holes
3-22-98	5109'-5114'	4 JSPF	20 holes
3-22-98	5116'-5118'	4 JSPF	8 holes
3-25-98	4806'-4813'	4 JSPF	28 holes
3-25-98	4874'-4883'	4 JSPF	36 holes
3-27-98	4561'-4569'	4 JSPF	32 holes

SN @ 5282'  
 EOT @ 5350'  
 PBTD @ 5860'  
 TD @ 5950'



**Inland Resources Inc.**

**Nine Mile #2-7**

567 FNL 1924 FEL

NWNE Section 7-T9S-R16E

Duchesne Co, Utah

API #43-013-32011; Lease #UTU-74390

# Nine Mile #3-7

Spud Date: 2-19-98  
 Put on Production: 3-31-98  
 GL: ?' KB: ?'

Initial Production: ? BOPD, ?  
 MCFPD, ? BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (289')  
 DEPTH LANDED: 290'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 120 sxs Premium cmt, est 5 bbls to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 140 jts. (5927')  
 DEPTH LANDED: 5938'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 380 sks Hibond mixed & 340 sks thixotropic  
 CEMENT TOP AT:

**TUBING**

SIZE/GRADE/WT: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 167 jts  
 TUBING ANCHOR: 5215'  
 TOTAL STRING LENGTH: ?  
 SN LANDED AT: 5280'

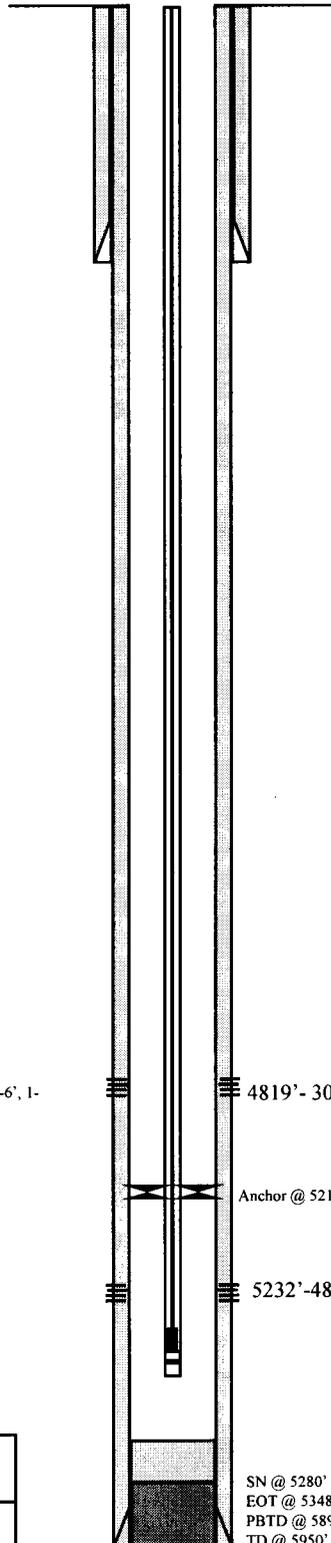
**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 8-1" scraped; 103-3/4" plain; 99-3/4" scraped; 1-6', 1-4' x 3/4" pony rods  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC  
 STROKE LENGTH: 74"  
 PUMP SPEED, SPM: 4.5 SPM  
 LOGS: DIGL/SP/GR/CAL (5942'-302')  
 DSN/SDL/GR (5918'-3000')

**FRAC JOB**

**3-26-98 5232'-52489'** **Frac A sand as follows:**  
 104,300# of 20/40 sd in 525 bbls  
 Delta. Breakdown @ 1599 psi. Treated @ avg rate 25.5 bpm, avg press 2650 psi. ISIP-3323 psi, 5-min 2806 psi. Flowback for 3 hrs & died.

**3-28-98 4819'-4830'** **Frac D sand as follows:** 104,300# of 20/40 sd in 519 bbls Delta Frac. Breakdown @ 3020 psi. Treated @ avg rate of 26, avg press 2248 psi. ISIP- 2445 psi, 5-min 2041 psi. Flowback on 12/64" ck for 5 hrs & died.



**PERFORATION RECORD**

3-26-98	5232'-5248'	4 JSPF	64 holes
3-27-98	4819'-4830'	4 JSPF	44 holes



**Inland Resources Inc.**  
**Nine Mile #3-7-9-16**  
 609 FNL 2105 FWL  
 NENW Section 7-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32012; Lease #UTU-74390

SN @ 5280'  
 EOT @ 5348'  
 PBTD @ 5896'  
 TD @ 5950'

# Nine Mile #5-7

Spud Date: 11/16/97  
 Put on Production: 11/23/97  
 GL: 5978' KB: 5990'

Initial Production: 92 BOPD,  
 140 MCFPD, 5 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 287.97'  
 DEPTH LANDED: 288.64'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 120 sxs Premium cmt, est 7 bbls to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 139 jts. (5930')  
 DEPTH LANDED: 5942'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 395 sks Hibond mixed & 360 sks thixotropic  
 CEMENT TOP AT:

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 152 jts  
 TUBING ANCHOR: 4715'  
 TOTAL STRING LENGTH: ?  
 SN LANDED AT: 4780'

**SUCKER RODS**

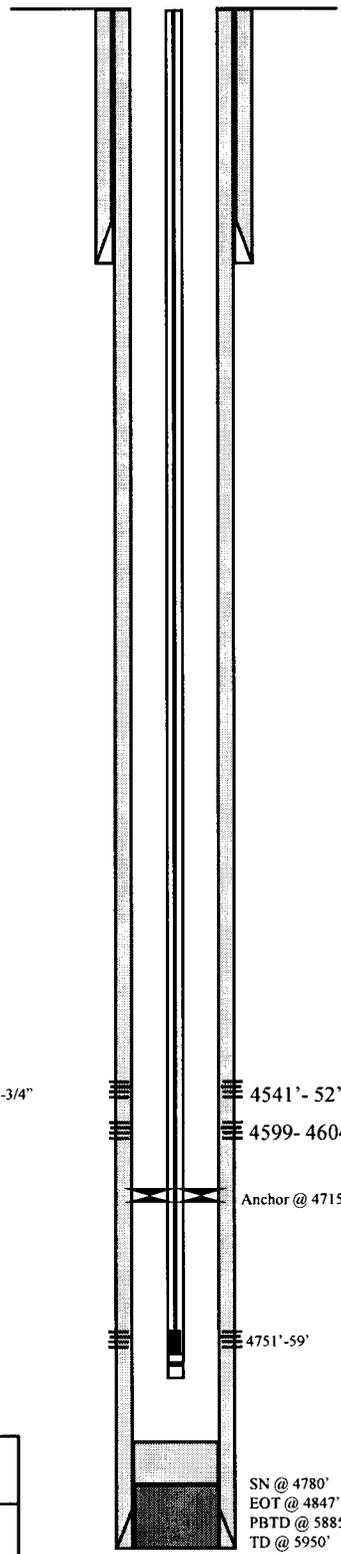
POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 4-1 1/2" wt rods; 4-3/4" scraped; 87-3/4" plain; 95-3/4" scraped; 1-8", 1-6" x 3/4" pony rods  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC  
 STROKE LENGTH: 74"  
 PUMP SPEED, SPM: 8 SPM  
 LOGS: DIGL/SP/GR/CAL (5948'-304')  
 DSN/SDL/GR (5949'-5899')

**FRAC JOB**

12/23/97 4751'-4759' **Frac YDC sand as follows:**  
 104,300# of 20/40 sd in 513 bbls Boragel. Treated @ avg rate 26.3 bpm, avg press 2000 psi. ISIP-1998 psi. 5-min 1865 psi. Flowback for 3-1/2hrs.  
 12/24/97 4541'-4604' **Frac PB sand as follows:** 60,300# of 20/40 sd in 340 bbls Delta Frac. Breakdown @ 2260 psi. Treated @ avg rate of 24, avg press 1850 psi. ISIP- 2445 psi, 5-min 2304 psi. Flowback on 12/64" ck for 3 hrs & died.

**PERFORATION RECORD**

12/20/97	4751'-4759'	4 JSPF	32 holes
12/24/97	4541'-4552'	4 JSPF	44 holes
12/24/97	4599'-4604'	4 JSPF	20 holes





**Inland Resources Inc.**  
**Nine Mile #5-7**  
 1980 FNL 660 FWL  
 SWNW Section 7-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31777; Lease #UTU-74390

# Nine Mile #6-7

Spud Date: 11/10/97  
 Put on Production: 1/3/98  
 GL: 5960' KB: 5972'

Initial Production: 128 BOPD,  
 128 MCFPD, 10 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 283.47'  
 DEPTH LANDED: 284.14' GL  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 120 sxs Premium cmt, est 7 bbls to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 137 jts. (5897.53')  
 DEPTH LANDED: 5908.49'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 400 sks Hibond mixed & 345 sks thixotropic  
 CEMENT TOP AT:

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 180 jts  
 TUBING ANCHOR: 5632'  
 TOTAL STRING LENGTH: ?  
 SN LANDED AT: 5697'

**SUCKER RODS**

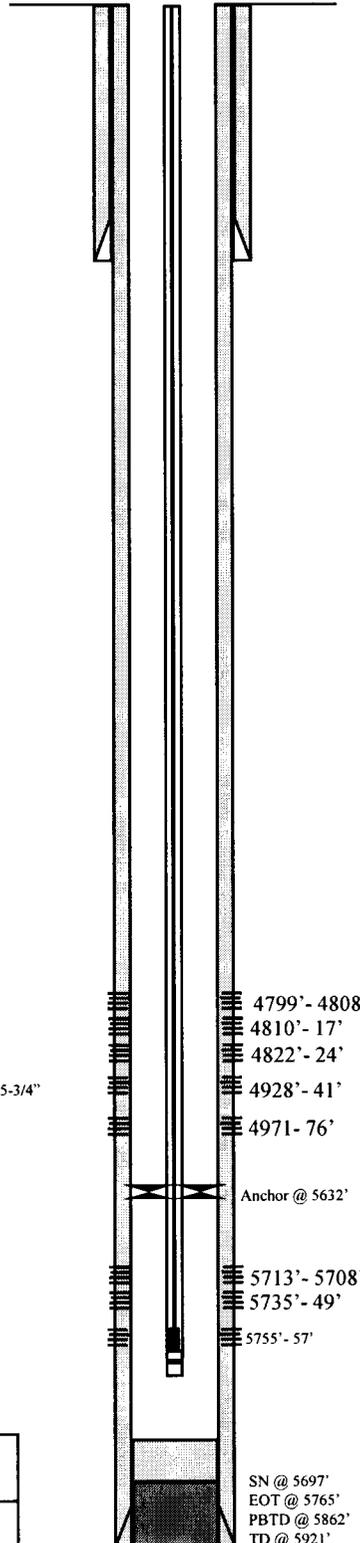
POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 4-11/2" wt rods; 4-3/4" scraped; 123-3/4" plain, 95-3/4" scraped; 1-8", 1-4" x 3/4" pony rods  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16" RHAC  
 STROKE LENGTH: 64"  
 PUMP SPEED, SPM: 11 SPM  
 LOGS: DIGL/SP/GR/CAL (5914'-295')  
 DSN/SDL/GR (5888'-3000')

**FRAC JOB**

12/23/97 5708'-5757' **Frac CP sand as follows:**  
 127,200# of 20/40 sd in 621 bbls Boragel. Treated @ avg rate 31.2 bpm, avg press 1700 psi. Breakdown @ 1100 psi. ISIP-2300 psi, 5-min 2035 psi. Flowback for 5-1/2hrs.

12/25/97 4928'-4976' **Frac C sand as follows:** 111,400# of 20/40 sd in 544 bbls Delta Frac. Breakdown @ 2076 psi. Treated @ avg rate of 28 BPM, avg press 1700 psi. ISIP-1873 psi, 5-min 1680 psi. Flowback on 12/64" ck for 3 hrs & died.

12/31/97 4799'-4824' **Frac D sand as follows:**  
 124,300# 20/40 sand in 574 bbls Delta Frac. Breakdown @ 2486 psi. Treated w/avg press of 1690 psi w/avg rate of 28.2 BPM. ISIP - 2235 psi, 5 min 2008 psi. Flowback on 12/64" ck for 4 hrs & died.



**PERFORATION RECORD**

Date	Interval	SPF	Holes
12/20/97	5708'-5713'	4 JSPF	20 holes
12/20/97	5735'-5749'	4 JSPF	56 holes
12/20/97	5755'-5757'	4 JSPF	8 holes
12/24/97	4928'-4941'	4 JSPF	52 holes
12/24/97	4971'-4976'	4 JSPF	20 holes
12/30/97	4799'-4808'	4 JSPF	36 holes
12/30/97	4810'-4817'	4 JSPF	28 holes
12/30/97	4822'-4824'	4 JSPF	8 holes



**Inland Resources Inc.**

**Nine Mile #6-7**

2036 FNL 2070 FWL

SENW Section 7-T9S-R16E

Duchesne Co, Utah

API #43-013-31776; Lease #UTU-74390

# Nine Mile 7-7

Spud Date: 11/20/97  
 Put on Production: 1/12/98  
 GL: 5929' KB: 5941'

Initial Production: 241 BOPD,  
 211 MCFPD, 8 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 288'  
 DEPTH LANDED: 298'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 350 sxs Premium cmt, est 6 bbls to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 133 jts. (5728')  
 DEPTH LANDED: 5739'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 370 sxs Hibond mixed & 320 sxs thixotropic  
 CEMENT TOP AT: 3' below ground level

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 177 jts  
 TUBING ANCHOR: 5546'  
 TOTAL STRING LENGTH: ?  
 SN LANDED AT: 5611'

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS 4-11/2" wt rods; 4-3/4" scraped; 120-3/4" plain; 96-3/4" scraped;  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC  
 STROKE LENGTH: 74'  
 PUMP SPEED: 11 SPM  
 LOGS: DIGL/SP/GR/CAL (5741'-302')  
 DSN/SDL/GR (5712'-3000')

**FRAC JOB**

**12/30/97 5587'-5633'** **Frac CP sand as follows:**  
 104,300# of 20/40 sd in 518 bbls Delta Frac. Treated @ avg rate 28.5 bpm, avg press 1550 psi. Breakdown @ 2735 psi. ISIP-2058 psi, 5-min 1809 psi. Flowback for 3-1/2 hrs & died.

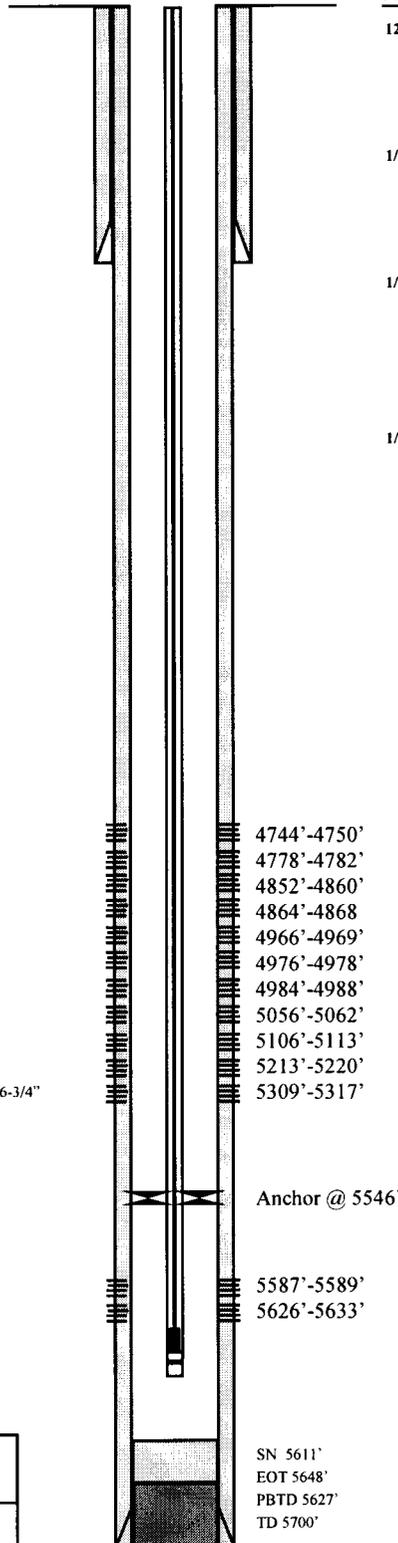
**1/1/98 5213'-5317'** **Frac LDC sand as follows:** 104,300# of 20/40 sd in 521 bbls Delta Frac. Breakdown @ 2521 psi. Treated @ avg rate of 30.1 BPM, avg press 2225 psi. ISIP-2339 psi, 5-min 2228 psi. Flowback on 12/64" ck for 4 hrs & died.

**1/6/98 4966'-5113'** **Frac B/A sands as follows:**  
 118,400# 20/40 sand in 585 bbls Delta Frac. Breakdown @ 1585 psi. Treated w/avg press of 1890 psi w/avg rate of 34.5 BPM. ISIP - 1964 psi, 5 min 1857 psi. Flowback on 12/64" ck for 2 hrs & died.

**1/9/98 4744'-4868'** **Frac D/C sands as follows:**  
 1048,300# 20/40 sand in 502 bbls of Delta Frac. Breakdown @ 2414 psi. Treated @ avg press of 1850 psi w/avg rate of 32.3 BPM. ISIP-2084 psi, 5 min 1937 psi. Flowback on 12/64" ck for 2-1/2 hrs & died.

**PERFORATION RECORD**

12/24/97	5587'-5589'	4 JSPF	8 holes
12/24/97	5626'-5633'	4 JSPF	28 holes
12/31/97	5213'-5220'	4 JSPF	28 holes
12/31/97	5309'-5317'	4 JSPF	32 holes
01/04/98	4966'-4969'	4 JSPF	12 holes
01/04/98	4976'-4978'	4 JSPF	8 holes
01/04/98	4984'-4988'	4 JSPF	16 holes
01/04/98	5056'-5062'	4 JSPF	24 holes
01/04/98	5106'-5113'	4 JSPF	28 holes
01/08/98	4744'-4750'	4 JSPF	24 holes
01/08/98	4778'-4782'	4 JSPF	16 holes
01/08/98	4852'-4860'	4 JSPF	32 holes
01/08/98	4864'-4868'	4 JSPF	16 holes



4744'-4750'  
 4778'-4782'  
 4852'-4860'  
 4864'-4868  
 4966'-4969'  
 4976'-4978'  
 4984'-4988'  
 5056'-5062'  
 5106'-5113'  
 5213'-5220'  
 5309'-5317'

Anchor @ 5546'

5587'-5589'  
 5626'-5633'

SN 5611'  
 EOT 5648'  
 PBTD 5627'  
 TD 5700'



**Inland Resources Inc.**

Nine Mile 7-7

2048' FNL 1769' FEL

SWNE Section 7-T9S-R16E

Duchesne Co, Utah

API #43-013-31778; Lease #U-74390

# Nine Mile #10-7

Spud Date: 12/1/97  
 Put on Production: 1/10/98  
 GL: 5850' KB: 5862'

Initial Production: 150 BOPD,  
 186 MCFPD, 30 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 290'  
 DEPTH LANDED: 303'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 200 sxs Premium cmt, est 4 bbls to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 136 jts.  
 DEPTH LANDED: 5858'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 430 sks Hibond mixed & 360 sks thixotropic  
 CEMENT TOP AT:

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 180 jts  
 TUBING ANCHOR: 5638'  
 TOTAL STRING LENGTH: ?  
 SN LANDED AT: 5702'

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS 4-11/2" wt rods, 4-3/4" scraped; 124-3/4" plain; 94-3/4" scraped; 1-8", 1-2' x 3/4" pony rod  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC  
 STROKE LENGTH: 74"  
 PUMP SPEED, SPM: 7 SPM  
 LOGS: DIGL/SP/GR/CAL (5854'-302')  
 DSN/SDL/GR (5800'-3000')

**FRAC JOB**

**12/30/97 5608'-5788'** **Frac CP sand as follows:**  
 129,100# of 20/40 sd in 627 bbls Delta Frac. Treated @ avg rate 35 bpm, avg press 1600 psi. Breakdown @ 2573 psi. ISIP-2029 psi, 5-min 1781 psi. Flowback for 4 hrs & died.

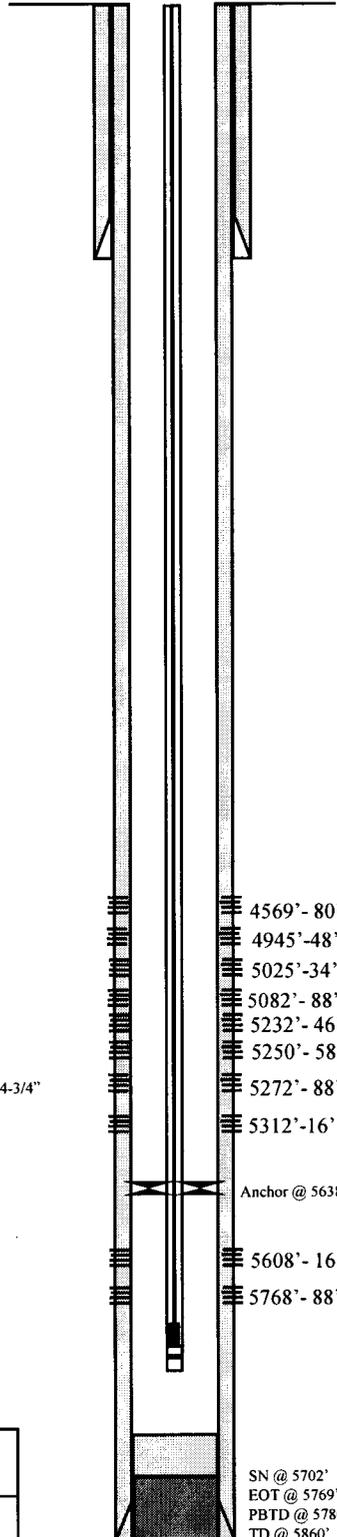
**1/1/98 5232'-5316'** **Frac LDC sand as follows:** 125,400# of 20/40 sd in 560 bbls Delta Frac. Breakdown @ 3322 psi. Treated @ avg rate of 30.3 BPM, avg press 2600 psi. ISIP-2892 psi, 5-min 3349 psi. Flowback on 12/64" ck for 5 hrs & died.

**1/4/98 4945'-5088'** **Frac A sand as follows:**  
 127,200# 20/40 sand in 608 bbls Delta Frac. Breakdown @ 2519 psi. Treated w/avg press of 2493 psi w/avg rate of 35 BPM. ISIP - 3120 psi, 5 min 2791 psi. Flowback on 12/64" ck for 3 hrs & died.

**1/8/98 4569'-45808'** **Frac YDC sands as follows:**  
 59,000# 20/40 sand in 374 bbls of Delta Frac. Breakdown @ 2197 psi. Treated @ avg press of 2800 psi w/avg rate of 27 BPM. ISIP-3904 psi, 5 min 3101 psi. Flowback on 12/64" ck for 2-1/2 hrs & died.

**PERFORATION RECORD**

12/25/97	5608'-5616'	4 JSPF	32 holes
12/25/97	5768'-5788'	4 JSPF	80 holes
12/31/97	5232'-5246'	4 JSPF	56 holes
12/31/97	5250'-5258'	4 JSPF	32 holes
12/31/97	5272'-5288'	4 JSPF	64 holes
12/31/97	5312'-5316'	4 JSPF	16 holes
1/3/98	4945'-4948'	4 JSPF	12 holes
1/3/98	5025'-5034'	4 JSPF	36 holes
1/3/98	5082'-5088'	4 JSPF	24 holes
1/6/98	4569'-4580'	4 JSPF	44 holes





**Inland Resources Inc.**

**Nine Mile #10-7**

2131 FSL 1910 FEL

NWSE Section 7-T9S-R16E

Duchesne Co, Utah

API #43-013-31773; Lease #UTU-74390

# Nine Mile #12-7

Spud Date: 3-16-98  
 Put on Production: WOC  
 GL: ? KB: ?

Initial Production: ? BOPD, ?  
 MCFPD, ? BWPD

Wellbore Diagram

FRAC JOB

Waiting on completion

SURFACE CASING

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

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 140 jts. (5930')  
 DEPTH LANDED: 5942'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 380 sks Hibond mixed & 320 sks thixotropic  
 CEMENT TOP AT:

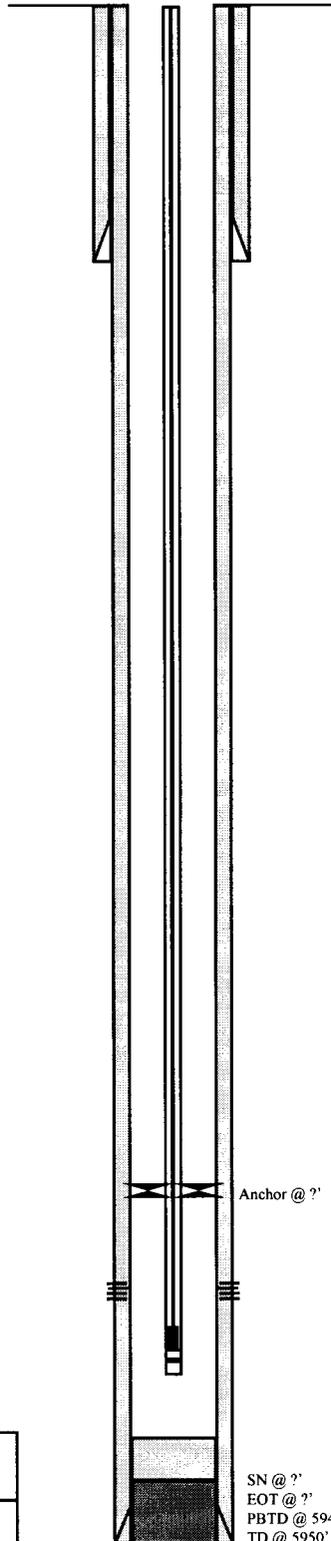
TUBING

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

SUCKER RODS

POLISHED ROD:  
 SUCKER RODS:  
 PUMP SIZE:  
 STROKE LENGTH:  
 PUMP SPEED, SPM:  
 LOGS: DIGL/SP/GR/CAL (5924'-304')  
       DSN/SDL/GR (5910'-3000')

PERFORATION RECORD



Anchor @ ?'

SN @ ?'  
 EOT @ ?'  
 PBTD @ 5940'  
 TD @ 5950'

	<b>Inland Resources Inc.</b>
	Nine Mile #12-7 1980 FSL 594 FWL NWSW Section 7-T9S-R16E Duchesne Co, Utah API #43-013-31777; Lease #UTU-74390

# Nine Mile #15-7

Spud Date: 12/2/97  
 Put on Production: 1/14/98  
 GL: 5923' KB: 5935'

Initial Production: 66 BOPD,  
 76 MCFPD, 6 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (286')  
 DEPTH LANDED: 288'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 140 sxs Premium cmt, est 5 bbls to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 137 jts. (5827')  
 DEPTH LANDED: 5839'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 350 sks Hibond mixed & 300 sks thixotropic  
 CEMENT TOP AT:

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 176 jts  
 TUBING ANCHOR: 5522'  
 TOTAL STRING LENGTH: ?  
 SN LANDED AT: 5619'

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 4-11/2" wt rods, 4-3/4" scraped, 120-3/4" plain, 96-3/4" scraped; 1-6', 1-4' x 3/4" pony rod  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC  
 STROKE LENGTH: 64"  
 PUMP SPEED, SPM: 8.5 SPM  
 LOGS: DIGL/SP/GR/CAL (5863'-300')  
 DSN/SDL/GR (5832'-3000')

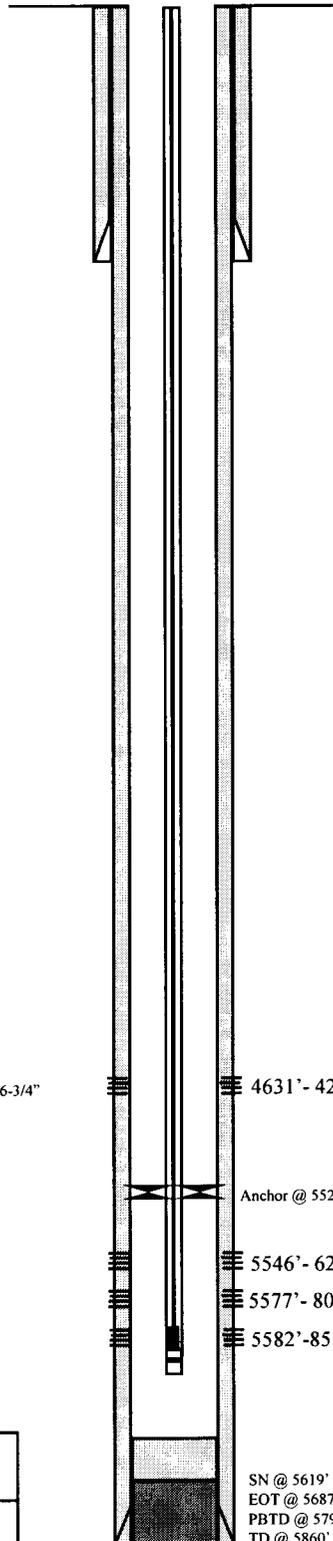
**FRAC JOB**

1/8/98 5546'-5585' **Frac CP sand as follows:**  
 104,400# of 20/40 sd in 525 bbls Delta Frac. Treated @ avg rate 32.3 bpm, avg press 1650 psi. Breakdown @ 2996 psi. ISIP-2900 psi, 5-min 2007 psi. Flowback for 3 hrs & died.

1/10/98 4631'-4642' **Frac D sand as follows:** 104,400# of 20/40 sd in 507 bbls Delta Frac. Breakdown @ 2460 psi. Treated @ avg rate of 26.4 BPM, avg press 2100 psi. ISIP-2424 psi, 5-min 2262 psi. Flowback on 12/64" ck for 4 hrs & died.

**PERFORATION RECORD**

1/8/98	5546'-5562'	4 JSPF	24 holes
1/8/98	5577'-5580'	4 JSPF	12 holes
1/8/98	5582'-5585'	4 JSPF	12 holes
1/9/98	4631'-4642'	4 JSPF	44 holes





**Inland Resources Inc.**

**Nine Mile #15-7**

701.2 FSL 2074.8 FEL

SWSE Section 7-T9S-R16E

Duchesne Co, Utah

API #43-013-31803; Lease #U-74390

# UNICHEM

A Division of BJ Services

P.O. Box 217  
Roosevelt, Utah 84066

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

Attachment F

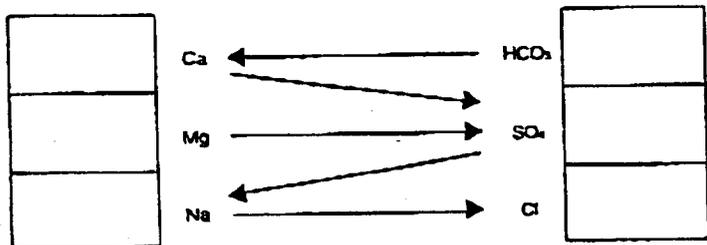
## WATER ANALYSIS REPORT

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

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

\*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>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

Attachment F-1

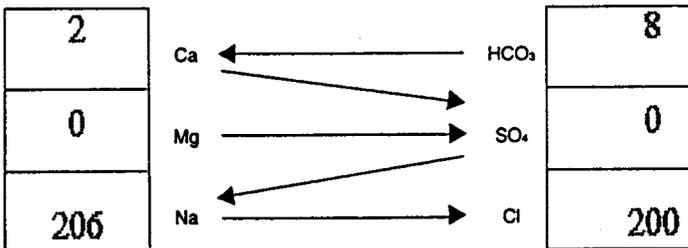
## WATER ANALYSIS REPORT

Company INLAND Address \_\_\_\_\_ Date 04-23-98  
Source MF 23-7 Date Sampled 04-21-98 Analysis No. \_\_\_\_\_

	Analysis	mg/l(ppm)	*Meg/l
1. PH	<u>8.8</u>		
2. H <sub>2</sub> S (Qualitative)	<u>0</u>		
3. Specific Gravity	<u>1.011</u>		
4. Dissolved Solids		<u>12,378</u>	
5. Alkalinity (CaCO <sub>3</sub> )		<u>0</u>	÷ 30 <u>0</u> CO <sub>3</sub>
6. Bicarbonate (HCO <sub>3</sub> )		<u>500</u>	÷ 61 <u>8</u> HCO <sub>3</sub>
7. Hydroxyl (OH)		<u>0</u>	÷ 17 <u>0</u> OH
8. Chlorides (Cl)		<u>7,100</u>	÷ 35.5 <u>200</u> Cl
9. Sulfates (SO <sub>4</sub> )		<u>0</u>	÷ 48 <u>0</u> SO <sub>4</sub>
10. Calcium (Ca)		<u>36</u>	÷ 20 <u>2</u> Ca
11. Magnesium (Mg)		<u>4</u>	÷ 12.2 <u>0</u> Mg
12. Total Hardness (CaCO <sub>3</sub> )		<u>31</u>	
13. Total Iron (Fe)		<u>1.2</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				
MgSO <sub>4</sub>	60.19				
MgCl <sub>2</sub>	47.62				
NaHCO <sub>3</sub>	84.00		<u>6</u>		<u>504</u>
Na <sub>2</sub> SO <sub>4</sub>	71.03				
NaCl	58.46		<u>200</u>		<u>11,692</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	MF 23-7
P-ALK AS PPM CaCO3	0	0
M-ALK AS PPM CaCO3	492	820
SULFATE AS PPM SO4	110	0
CHLORIDE AS PPM Cl	35	7100
HARDNESS AS PPM CaCO3	0	0
CALCIUM AS PPM CaCO3	110	90
MAGNESIUM AS PPM CaCO3	90	16
SODIUM AS PPM Na	92	4738
BARIUM AS PPM Ba	0	0
STRONTIUM AS PPM Sr	0	0
CONDUCTIVITY	0	0
TOTAL DISSOLVED SOLIDS	593	12378
TEMP (DEG-F)	150	150
SYSTEM pH	7	8.8

WATER COMPATIBILITY CALCULATIONS  
 JOHNSON WATER AND MF 23-7  
 CONDITIONS: TEMP.=150 AND pH=7.9  
 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	1.23	35	0	0	0
90	1.20	34	0	0	0
80	1.18	34	0	0	0
70	1.16	33	0	0	0
60	1.13	32	0	0	0
50	1.10	31	0	0	0
40	1.07	30	0	0	0
30	1.04	30	0	0	0
20	1.01	29	0	0	0
10	.98	28	0	0	0
0	.95	27	0	0	0

**Attachment G**

**Nine Mile #23-7**

**Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5325	5351	5338	2660	0.93	2635
4786	4858	4822	2500	0.95	2464
				<b>Minimum</b>	<u>2464</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.



**EQUITABLE RESOURCES ENERGY COMPANY**

BALCRON OIL DIVISION

1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104-1017  
(406) 259-7860

**Attachment G-1  
TREATMENT REPORT**

DATE OF TREATMENT: 10-30-76

Well Name Monument Fed 28-7-9-164 Sec. 7 TWN. 9S RNG. 16E  
Field Monument Butte County Duchesne State UTAH  
Formation: Green River GAS ZONE  
Perforations: 5305'-5351'

Treatment Type: SAND FRAC Total Number of Holes: 52  
Treatment Company: BF Services SAND CHARACTERISTICS

WELL #	VOLUME		FLUID	CONC.			SIZE	SAND VOLUME	
	SLURRY BBLs	CLEAN GAL		# / GAL	BPM	PSI		CALC.	ACTUAL
107	71	3000	2% KCL WATER (PAD)	—	32.5	3080	— / —	— #	— #
88	117	900	" "	2	32.1	3000	20 / 40	1800 #	#
132	170	1275	" "	4	32.0	2930	20 / 40	7500 #	#
196	249	3225	" "	5	32.0	2530	20 / 40	13900 #	#
320	406	5200	" "	6	31.6	2490	15 / 30	31200 #	#
111	524	4956	" "	7	32.1	2540	15 / 30	26600 #	#
835	649	5292	2% KCL WATER (Flush)	—	31.3	3230	— / —	— #	— #
							1	#	#
							1	#	#
							1	#	#

TOTAL FLUID PUMPED: 5292 gal. 2% Acid  
22470 gal. 2% KCL WATER Fluid  
TOTAL SAND VOLUME: 23200 lbs. 20 / 40 sand  
57880 lbs. 15 / 30 sand  
lbs. 1 sand

Flushed well with 5292 gal. of GELLED 2% KCL WATER  
ball sealers were pumped. Was ball action seen? —

Barrels of Load to Recover 535 BLTR.  
Avg. Treating Pressure = 2790 psi, max = 3110 psi, min. = 2470 psi.  
Avg. Treating Rate = 32.0 bpm, max = 32.5 bpm, min. = 31.3 bpm.  
ISIP = 2660 psi, 5 min. = 2120 psi, 10 min. = 2080 psi, 15 min. = 2000 psi.  
Well will be shut in for 0 hours before bringing back fluid. 30 min = 1920 psi.

REMARKS: 5 BBLs TO LOAD HOLE

FRAC GRADIENT, 938 Wellsite Supervisor: \_\_\_\_\_



**EQUITABLE RESOURCES ENERGY COMPANY**

BALCRON OIL DIVISION

1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104-1017  
(406) 259-7860

**Attachment G-2 TREATMENT REPORT**

DATE OF TREATMENT: 11-4-96

Well Name MONUMENT FED, 23-7-9-16Y Sec. 7 TWN. 9 S RNG. 16 E

Field MONUMENT BUTTE County DUCHESNE State UT

Formation: GREEN RIVER (B-1 + B-2 ZONES)

Perforations: 4786-90, 4794-4807, 4854-58

Treatment Type: SAND FRAC Total Number of Holes: 84

Treatment Company: BJ SERVICES

**SAND CHARACTERISTICS**

LEAN TOTAL	VOLUME		FLUID	CONC.			SIZE	SAND VOLUME	
	SLURRY BBLs	CLEAN GAL		# / GAL	BPM	PSI		CALC.	ACTUAL
95	95	4000	2% KCL WATER (PAD)	0	32.9	2560	+	—	#
122	126	1200	"	2	33.0	2680	16/30	2400	#
158	168	1500	"	4	32.9	2390	16/30	6000	#
221	244	2600	"	5	32.7	2060	16/30	13000	#
311	359	3800	"	6	32.5	1930 / 1940	16/30	22800	#
361	422	2700	"	7	36.0	2060	16/30	18900	#
473	535	4746	(FLUSH)	0	36.5	3030	+	—	#
							1		#
							1		#
							1		#

TOTAL FLUID PUMPED: \_\_\_\_\_ gal. \_\_\_\_\_ % Acid  
20,286 gal. 2% KCL WATER Fluid

TOTAL SAND VOLUME: 56000 lbs. 16/30 sand  
 \_\_\_\_\_ lbs. 1 sand  
 \_\_\_\_\_ lbs. 1 sand

Flushed well with 4746 gal. of 2% KCL WATER  
 \_\_\_\_\_ ball sealers were pumped. Was ball action seen? \_\_\_\_\_

Barrels of Load to Recover 483 BLTR.

Avg. Treating Pressure = 2350 psl, max = 3030 psl, min. = 1930 psl.

Avg. Treating Rate = 32.9 bpm, max = 36.5 bpm, min. = 32.5 bpm.

ISIP = 2500 psl, 5 min. = 1760 psl, 10 min. = 1540 psl, 15 min. = 1390 psl.  
 30 min. = 1170 psl.

Well will be shut in for 0 hours before bringing back fluid.

REMARKS: 10 BBL TO LOAD HOLE.

START FORCE CLOSURE FLOW BACK. (BPM)

FRAC GRADIENT: .958 Wellsite Su.ervisor: Dale Whiffin

## ATTACHMENT H

### WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. **Plug #1** Set 176' plug from 5225'-5401' with 30 sxs Class "G" cement.
2. **Plug #2** Set 222' plug from 4686'-4908' with 30 sxs Class "G" cement.
3. **Plug #3** Set 200' plug from 2000'-2200' with 30 sxs Class "G" cement.
4. **Plug #4** Set 100' plug from 238'-338' (50' on either side of casing shoe) with 15 sxs Class "G" cement.
5. **Plug #5** Set 50' plug from surface with 10 sxs Class "G" cement.
6. Pump 10 sxs Class "G" cement down the 8-5/8" x 5-1/2" annulus to cement 288' to surface.

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

# Monument Federal 23-7

Spud Date: 10-16-96  
 Put on Production: 11-19-96  
 GL: ? KB: ?

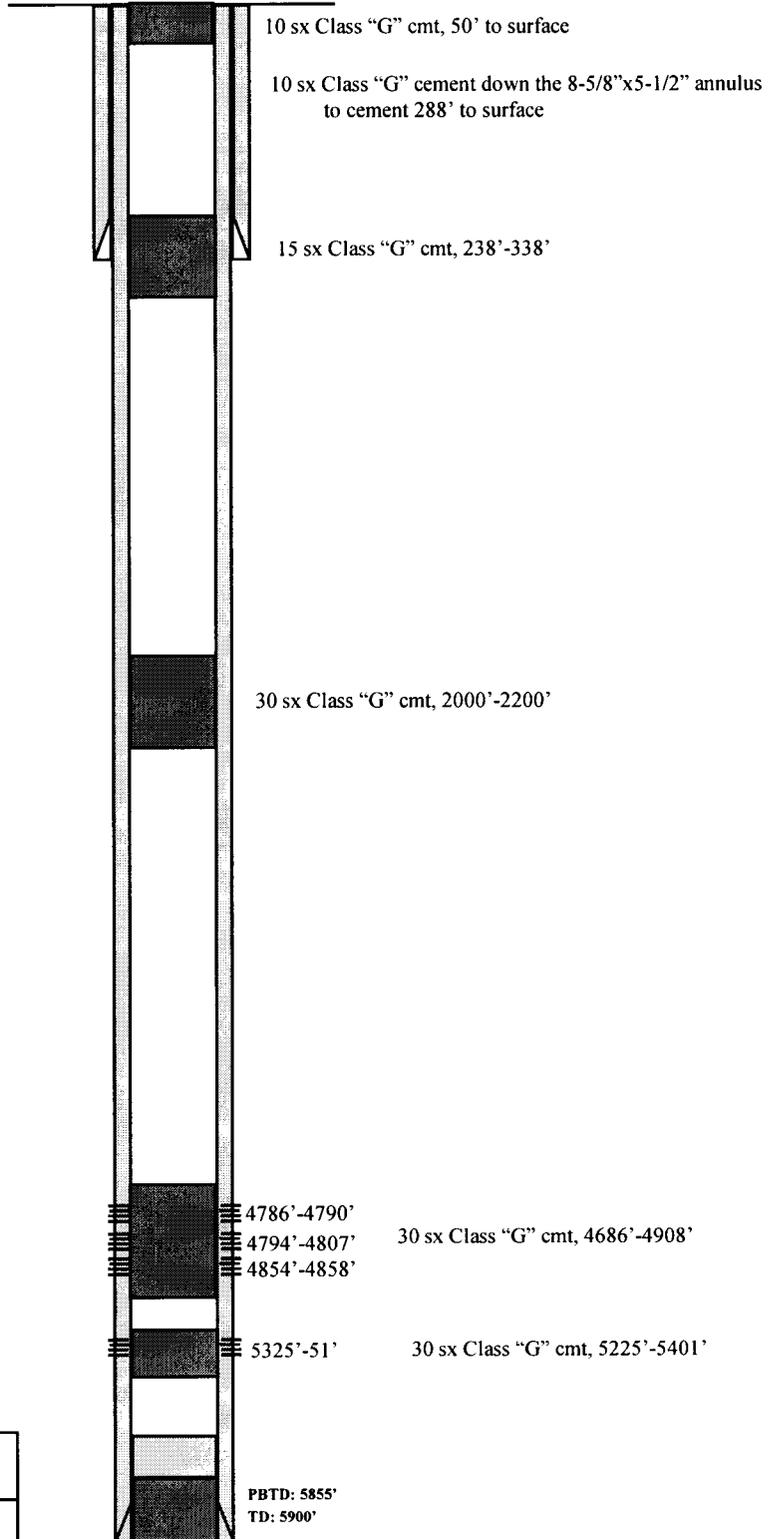
**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 DEPTH LANDED: 288'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: ?

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 138 jts. (5868.42')  
 DEPTH LANDED: 5878.42'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sx Super "G" & 340 sx 50/50 Poz

Proposed P&A Wellbore Diagram



	<b>Inland Resources Inc.</b>
	Monument Federal 23-7 2259' FSL and 2020' FWL NESW Section 7-T9S-R16E Duchesne Co, Utah API #43-013-31694; Lease #U-74390

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.

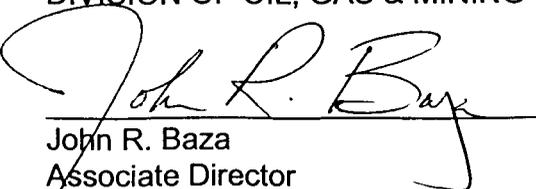
Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Inland Production Company for administrative approval of the Monument Federal 32-6-9-16Y, 41-18, 34-31-8-16 & 23-7, Nine Mile 11-6, 13-6, 5-7, 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



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

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". The signature is fluid and elegant, with a prominent initial "L".

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

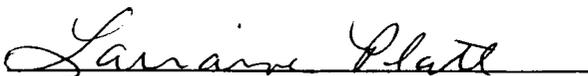
Newspaper Agency Corporation  
Legal Advertising  
P.O. Box 45838  
Salt Lake City, Utah 84145

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

DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM

**PERMIT  
STATEMENT OF BASIS**

**Applicant:** Inland Production Company      **Well:** Monument Federal #23-7

**Location:** 7/9S/16E      **API:** 43-047-31694  
013

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

**Well Integrity:** The proposed well has surface casing set at 288 feet and has a cement top at the surface. A 5 ½ inch production casing is set at 6053 feet and has a cement top at the surface. A cement bond log verifies adequate bond well above the injection zone. A 2 7/8 inch tubing with a packer will be set at 4736 feet. A mechanical integrity test will be run on the well prior to injection. There are 8 producing wells in the area of review. All of the wells have adequate casing and cement. No corrective action will be required.

**Ground Water Protection:** According to Technical Publication No. 92 the base of moderately saline water is at a depth of approximately 1000 feet. Injection shall be limited to the interval between 4786 feet and 5351 feet in the Green River Formation. Information submitted by Inland indicates that the fracture gradient for the 23-7 well is .95 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 2464 psig. The requested maximum pressure is 2464 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

**Monument Federal #23-7**  
**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

**WEST POINT UNIT WELL LISTING**

AS OF 7/13/98

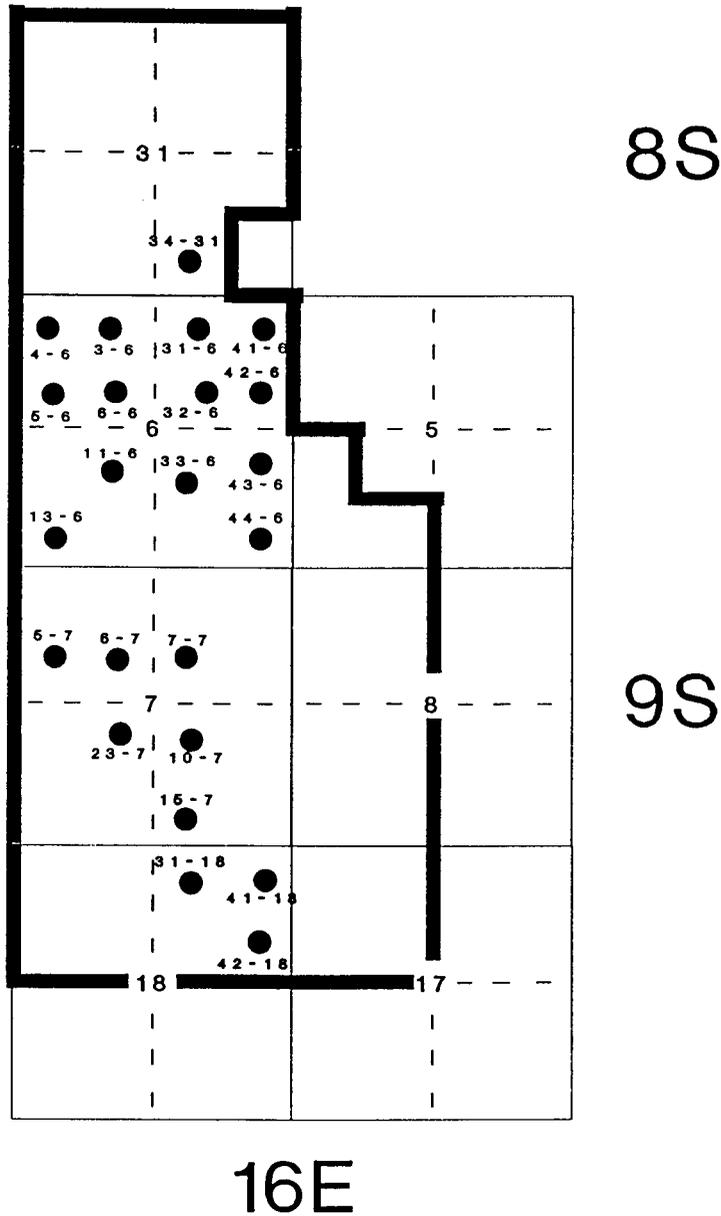
T. 8 & 9S, R. 16E

SEC.	FIELD	WELL NAME	STATUS	API NUMBER	
6	WEST POINT UNIT	MON FED #31-6Y	PROD	4301331717	12060
6	WEST POINT UNIT	FED 32- <del>86</del> -09-16Y	PROD	4301331390	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	4301331559	11933
6	WEST POINT UNIT	FED 44- <del>86</del> -09-16Y	PROD	4301331720	12066
* 7	WEST POINT UNIT	MON FED #23-7X	PROD	4301331694	12019
18	WEST POINT UNIT	MON FED #41-18Y	PROD	43013316410	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	43013318110	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	4301331999	

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%



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.  
**MONUMENT FEDERAL 23-7-9-16Y**

9. API Well No.  
**43-013-31694**

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)  
**2259 FSL 2020 FWL      NE/SW Section 7, T09S R16E**

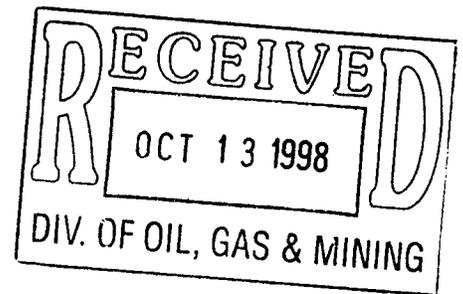
12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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

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

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

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



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

Monument Federal 23-7

NE/SW Sec. 7, T9S, 16E

Duchesne County

May 12, 1998

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

**Production Phase:**

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

**Sales Phase:**

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

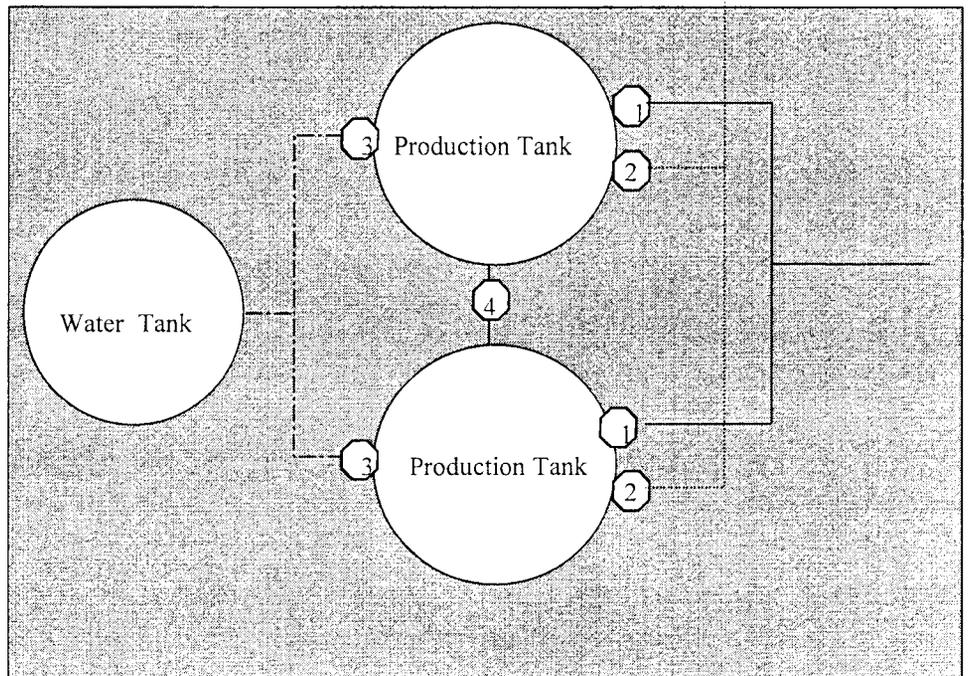
**Draining Phase:**

- 1) Valve 3 open

Diked Section

Gas Sales Meter

Pumping Unit



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



PRODUCTION COMPANY

A Subsidiary of Inland Resources Inc.

March 20, 2000

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

Re: Monument Fed 23-7-9-16  
Injection Conversion

Dear Brad:

Inland converted the subject well from a producing to an injection well on March 17, 2000. A mechanical integrity test (MIT) was conducted and witnessed by Mr. Dennis Ingram on March 20, 2000. The casing was pressured to 1420 psi and held for one half hour with no pressure loss.

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

Sincerely,

Rod Bird  
Production Foreman

Enclosures

# Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

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

Witness: Dennis Ingram Date 3/20/00 Time 11:00  am  pm

Test Conducted by: Roddie Bird

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

Well: monument Fed. 23-7-9-16 Y Field: west point  
Well Location: NE\SW sec. 7, T09S R16E API No: 43-013-31694  
Duchesne Co. Utah.

Time	Casing Pressure
0 min	<u>1420</u> psig
5	<u>1420</u> psig
10	<u>1420</u> psig
15	<u>1420</u> psig
20	<u>1420</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: 810 psig

Result:  Pass  Fail

Signature of Witness: Dennis Ingram (DGI)

Signature of Person Conducting Test: Roddie Bird

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

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NO. <b>UUTU-74390</b>	
1. (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.)  OIL <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input checked="" type="checkbox"/> WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME  <b>N/A</b>	
		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>MONUMENT FEDERAL 23-7-9-16Y</b>	
3. ADDRESS OF OPERATOR <b>Route 3, Box 3630, Myton Utah 84052 (435-646-3721)</b>		9. WELL NO. <b>MONUMENT FEDERAL 23-7-9-16Y</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 2259 FSL 2020 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 7, T09S R16E</b>	
14. API NUMBER <b>43-013-31694</b>	15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5987 GR</b>	12. COUNTY OR PARISH <b>DUCHESNE</b>	13. STATE <b>UT</b>

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

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

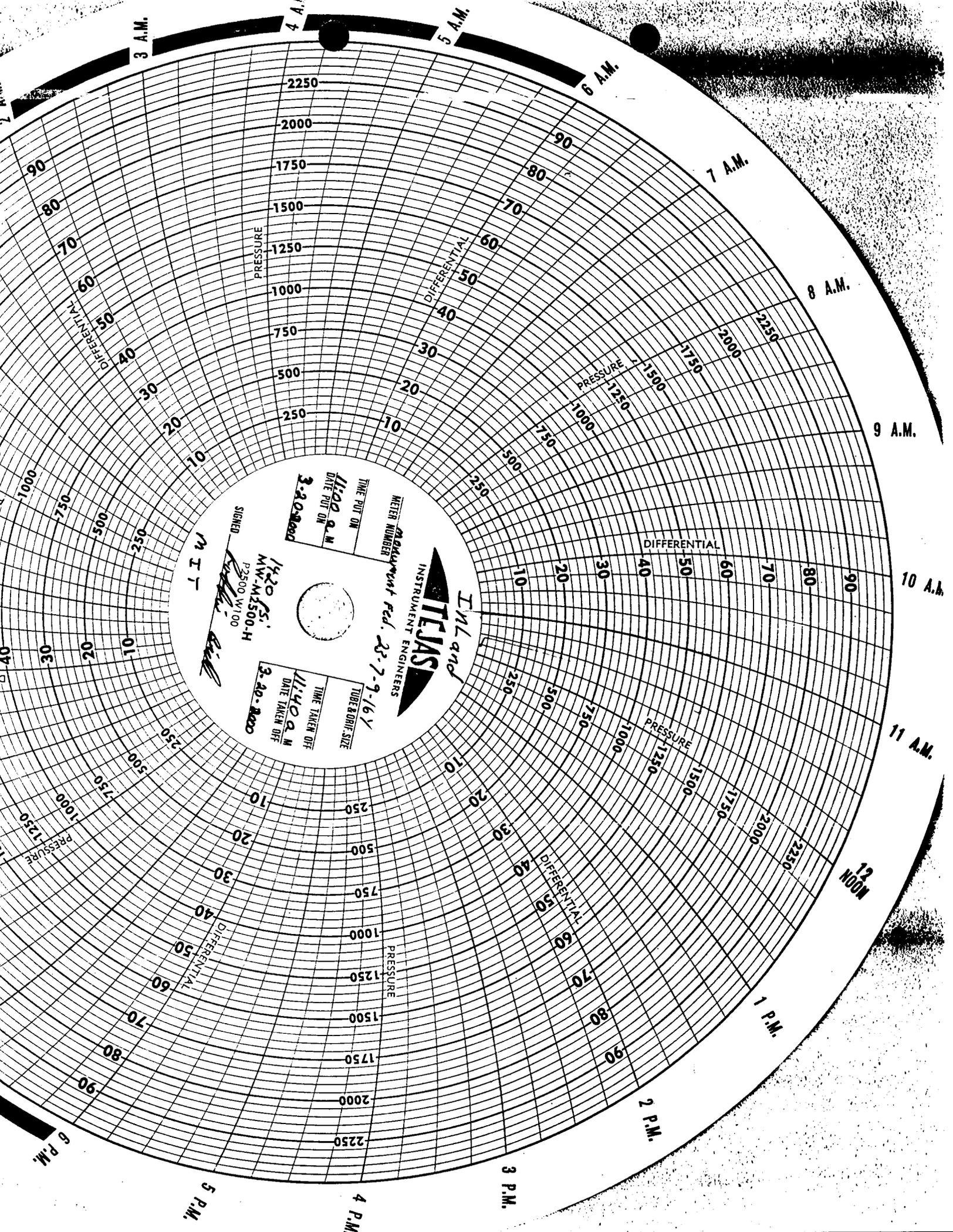
17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to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

The subject well was converted from a production to an injection well. Mr. Dennis Ingram of the State DOGM was notified of the intent to perform an MIT on March 17, 2000. On March 20, 2000, the casing annulus was pressured to 1420 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 3/20/00

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



3 A.M.

4 A.

5 A.M.

6 A.M.

7 A.M.

8 A.M.

9 A.M.

10 A.M.

11 A.M.

12 NOON

1 P.M.

2 P.M.

3 P.M.

4 P.M.

5 P.M.

6 P.M.

TIME PUT ON  
11:00 A.M.  
DATE PUT ON  
3-20-1960

SIGNED  
M I T

1420 P.S.  
M.W. M2500-H  
P2500 W/100

TUBE & ORIF. SIZE  
TIME TAKEN OFF  
11:40 A.M.  
DATE TAKEN OFF  
3-20-1960

INLAND  
TEXAS  
INSTRUMENT ENGINEERS  
Measurement Fed. 23-7-9-16Y

## INJECTION WELL - PRESSURE TEST

Well Name: <u>MF# 23-7-9-16Y</u>	API Number: <u>43-013-31694</u>
Qtr/Qtr: <u>NE/SW</u> Section: <u>7</u>	Township: <u>9S</u> Range: <u>16E</u>
Company Name: <u>INLAND PRODUCTION Co</u>	
Lease: State _____ Fee _____	Federal <u>UTU-74390</u> Indian _____
Inspector: <u>Dennis [Signature]</u>	Date: <u>3/20/2000</u>

## Initial Conditions:

Tubing - Rate: \_\_\_\_\_ Pressure: 810 psi  
 Casing/Tubing Annulus - Pressure: 1420 psi

## Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1420 PSI</u>	<u>810 PSI</u>
5	<u>1420 "</u>	<u>810 "</u>
10	<u>1420 "</u>	<u>810 "</u>
15	<u>1420 "</u>	<u>810 "</u>
20	<u>1420 "</u>	<u>810 "</u>
25	<u>1420 "</u>	<u>810 "</u>
30	<u>1420 "</u>	<u>810 "</u>

Results: Pass/Fail

## Conditions After Test:

Tubing Pressure: 810 psiCasing/Tubing Annulus Pressure: 1420 psi

COMMENTS: TESTED BECAUSE WELL WAS CONVERTED TO  
WIW. ALSO USED CHART - TESTED 9/1100 T. 11:30  
NO LEAK OFF.

[Signature]  
 Operator Representative

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

<b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b>		IDENTIFICATION AND SERIAL NO. <b>UTU-74390</b>	
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT-" for such proposals.)		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME  <b>N/A</b>	
OIL 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>MONUMENT FEDERAL 23-7-9-16Y</b>	
3. ADDRESS OF OPERATOR <b>Route 3, Box 3630, Myton Utah 84052 (435-646-3721)</b>		9. WELL NO. <b>MONUMENT FEDERAL 23-7-9-16Y</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 2259 FSL 2020 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 7, T09S R16E</b>	
14. API NUMBER <b>43-013-31694</b>	15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5987 GR</b>	12. COUNTY OR PARISH <b>DUCHESNE</b>	13. STATE <b>UT</b>

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

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

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

The subject well was converted from a production to an injection well on 3/18/00. The rods and tubing anchor were removed and a packer was inserted in the bottom hole assembly at 4719'.

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

SIGNED [Signature] TITLE District Engineer DATE 3/22/00

(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

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

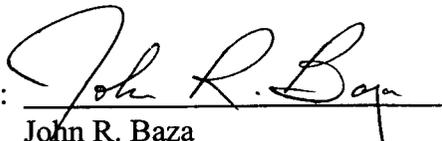
Cause No. UIC-219

**Operator:** Inland Production Company  
**Well:** Monument Federal 23-7  
**Location:** Section 7 , Township 9 South, Range 16 East, Duchesne County  
**API No.:** 43-013-31694  
**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: 2464 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (4786 feet - 5351 feet)

Approved by:

  
John R. Baza  
Associate Director, Oil And Gas

3/29/2000  
Date

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

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>MONUMENT FEDERAL 23-7-9-16Y</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 2259 FSL 2020 FWL</b>		9. WELL NO. <b>MONUMENT FEDERAL 23-7-9-16Y</b>	
<b>14. API NUMBER</b> <b>43-013-31694</b>		10. FIELD AND POOL OR WILDCAT  <b>UNDESIGNATED</b>	
<b>15. ELEVATIONS</b> (Show whether DF, RT, GR, etc.) <b>5987 GR</b>		11. SEC. T. R. M. OR BLK. AND SURVEY OR AREA <b>NE/SW Section 7, 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"/>	WATER SHUT-OFF <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>
ABANDON* <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	(OTHER) <u>First report of Injection</u> <input checked="" type="checkbox"/>
(OTHER) <input type="checkbox"/>	

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

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

The subject well was placed on water injection on 4/4/2000.

RECEIVED

APR 13 2000

DIVISION OF  
OIL, GAS AND MINING

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

SIGNED [Signature] TITLE District Engineer DATE 4/11/00

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

\* See Instructions On Reverse Side

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

RECEIVED  
MAR 22 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

OIL  GAS   
WELL  WELL  OTHER

2. NAME OF OPERATOR  
**INLAND PRODUCTION COMPANY**

3. ADDRESS OF OPERATOR  
**Route 3, Box 3630, Myton Utah 84052  
(435-646-3721)**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
**NE/SW 2259 FSL 2020 FWL**

5. LEASE DESIGNATION AND SERIAL NO.  
**UTU-74390**

6. IF INDIAN, ALLOTTEE OR TRIBAL NAME  
**N/A**

7. UNIT AGREEMENT NAME  
**WEST POINT (GR RVR)**

8. FARM OR LEASE NAME  
**MONUMENT FEDERAL 23-7-9-16Y**

9. WELL NO.  
**MONUMENT FEDERAL 23-7-9-16Y**

10. FIELD AND POOL OR WILDCAT  
**UNDESIGNATED**

11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA  
**NE/SW Section 7, T09S R16E**

14. API NUMBER  
**43-013-31694**

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**5987 GR**

12. COUNTY OR PARISH  
**DUCHESNE**

13. STATE  
**UT**

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

NOTICE OF INTENTION TO:  
WATER SHUT-OFF  FULL OR ALTER CASING   
FRACTURE TREAT  MULTIPLE COMPLETE   
SHOOT OR ACIDIZE  ABANDON\*   
REPAIR WELL   
(OTHER)

SUBSEQUENT REPORT OF:  
WATER SHUT-OFF  REPAIRING WELL   
FRACTURE TREATMENT  ALTERING CASING   
SHOOTING OR ACIDIZING  ABANDONMENT\*   
(OTHER) Injection Conversion   
(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 3/18/00. The rods and tubing anchor were removed and a packer was inserted in the bottom hole assembly at 4719'.

18 I hereby certify that the foregoing is true and correct.  
SIGNED [Signature] TITLE District Engineer DATE 3/22/00

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

\* See Instructions On Reverse Side

WTL  
7-11-00



## SUMMARY WORKOVER REPORT

**MON FED 23-7Y**

NE/SW Section 7 - T9S - R16E

Duchesne Co., UT

API # 43-013-1694

Spud Dat 10/16/96

TD 5900'

Completion or Workover Rig PENNANT #4

**Report Date 3/16/00 Day 1**

**Injection Conversion**

Date Work Performed 3/15/00

MIRU Pennant #4. Pump 110 BW down csg @ 250 deg. RD pump unit & unseat pump. Flush rods & tbg w/50 BW @ 250 deg. Soft seat pump & fill tbg w/3 BW, test tbg to 3000 psi. Unseat pump & LD rods & pump on trailer. 214 - 3/4" slick rods, 1 - 1" x 2.5' sub, 1 - 1-1/2" wt rod, 1 - 1" wt rod & pump. SWIFN. EWL 163 bbls

Daily Cost \$2,000 Cumulative Cost \$2,000

**Report Date 3/17/00 Day 2**

**Injection Conversion**

Date Work Performed 3/16/00

ND wellhead & NU BOP. Release TA & POOH w/174 jts tbg. LD TA, SN & 1 jt tbg & NC. TIH w/5-1/2" bit & scraper to 5430'. POOH w/144 jts tbg breaking & applying Liquid-O-Ring to all pin ends. SDFN.

Daily Cost \$2,300 Cumulative Cost \$4,300

**Report Date 3/18/00 Day 3**

**Injection Conversion**

Date Work Performed 3/17/00

Blow well down. Continue to POOH w/8 jts breaking & applying Liquid-O-Ring to all pin ends. LD 23 jts tbg & scraper. TIH w/Arrow Set 1 pkr, SN, 152 jts tbg tightening all pin ends. ND BOP & pump 60 BW w/pkr fluid, well started to circ, FU tbg to flowline. Pumped 50 BW w/pkr fluid w/well circ'g. Set pkr @ 4719' in 16,000# tension. NU wellhead & pressure test to 1175 psi for 30 minutes--no leak off. Ready for MIT. EWL 273 bbls. Could not rig down--too windy.

Daily Cost \$9,000 Cumulative Cost \$13,300

**Report Date 3/19/00 Day 4**

**Injection Conversion**

Date Work Performed 3/18/00

RDMO SU. Well ready for MIT on csg.

Daily Cost \$400 Cumulative Cost \$13,700

**Report Date 3/21/00 Day 5**

**Injection Conversion**

Date Work Performed 3/20/00

On March 17, 2000 Mr. Dennis Ingram with the DOGM was contacted and a time was set up to do the MIT. On March 20, 2000 the casing was pressured up to 1420 psi and charged for 30 minutes with no leak off and will Dennis Ingram in attendance.

Daily Cost \$100 Cumulative Cost \$13,800



# United States Department of the Interior



## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155  
<http://www.blm.gov>

IN REPLY REFER TO:  
3106  
(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

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

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

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



## Office of the Secretary of State

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

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

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



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

Secretary of State

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

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

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

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

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

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

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

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

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

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

INLAND RESOURCES INC.

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

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

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

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

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

EFFECTIVE DATE OF TRANSFER: 9/1/2004

CURRENT OPERATOR

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

NEW OPERATOR

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

(This space for State use only)

Transfer approved by: *A. Hunt* Approval Date: 9-20-04  
 Title: Field Services Manager

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

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

**OPERATOR CHANGE WORKSHEET**

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change**

**Merger**

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

<b>WELL(S)</b>								
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

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

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

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

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

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

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

**DATA ENTRY:**

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

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

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

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

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

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

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919

2. The **FORMER** operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS:**

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

RECEIVED  
MAR 18 2005

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

DIV. OF OIL, GAS & MINING  
5. LEASE DESIGNATION AND SERIAL NUMBER:  
UTU174390

**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:  
WEST POINT UNIT

8. WELL NAME and NUMBER:  
MONUMENT FED 23-7-9-16Y

9. API NUMBER:  
4301331694

10. FIELD AND POOL, OR WILDCAT:  
Monument Butte

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

2. NAME OF OPERATOR:  
Newfield Production Company

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

4. LOCATION OF WELL: COUNTY: Duchesne  
FOOTAGES AT SURFACE: 2259 FSL 2020 FWL STATE: Utah  
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NE/SW, 7, T9S, R16E

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

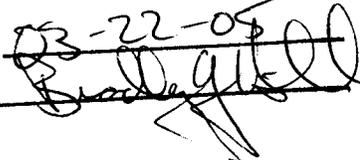
TYPE OF ACTION

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: 03/17/2005	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - 5 Year MIT
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

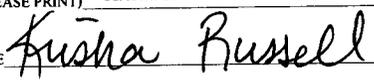
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

A five year MIT was conducted on the subject well. On 3/14/05 Mr. Dennis Ingram w/State DOGM was notified of the intent to conduct a MIT on the casing. On 3/16/05 the casing was pressured to 1195 psi w/ no pressure loss charted in the 1/2 hour test. No governmental agencies were able to witness the test.

Accepted by the  
Utah Division of  
Oil, Gas and Mining

Date: 03-22-05  
By: 

NAME (PLEASE PRINT) Krishna Russell TITLE Production Clerk

SIGNATURE  DATE March 17, 2005

# Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

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

Witness: \_\_\_\_\_ Date 3/16/05 Time 1:00 am  pm

Test Conducted by: Jim Carroll

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

Well: Monument Federal 23-7-9-16Y Field: West Point Unit  
Well Location: N/E SW, Sec. 7-T9S-R16E API No: 4301331694

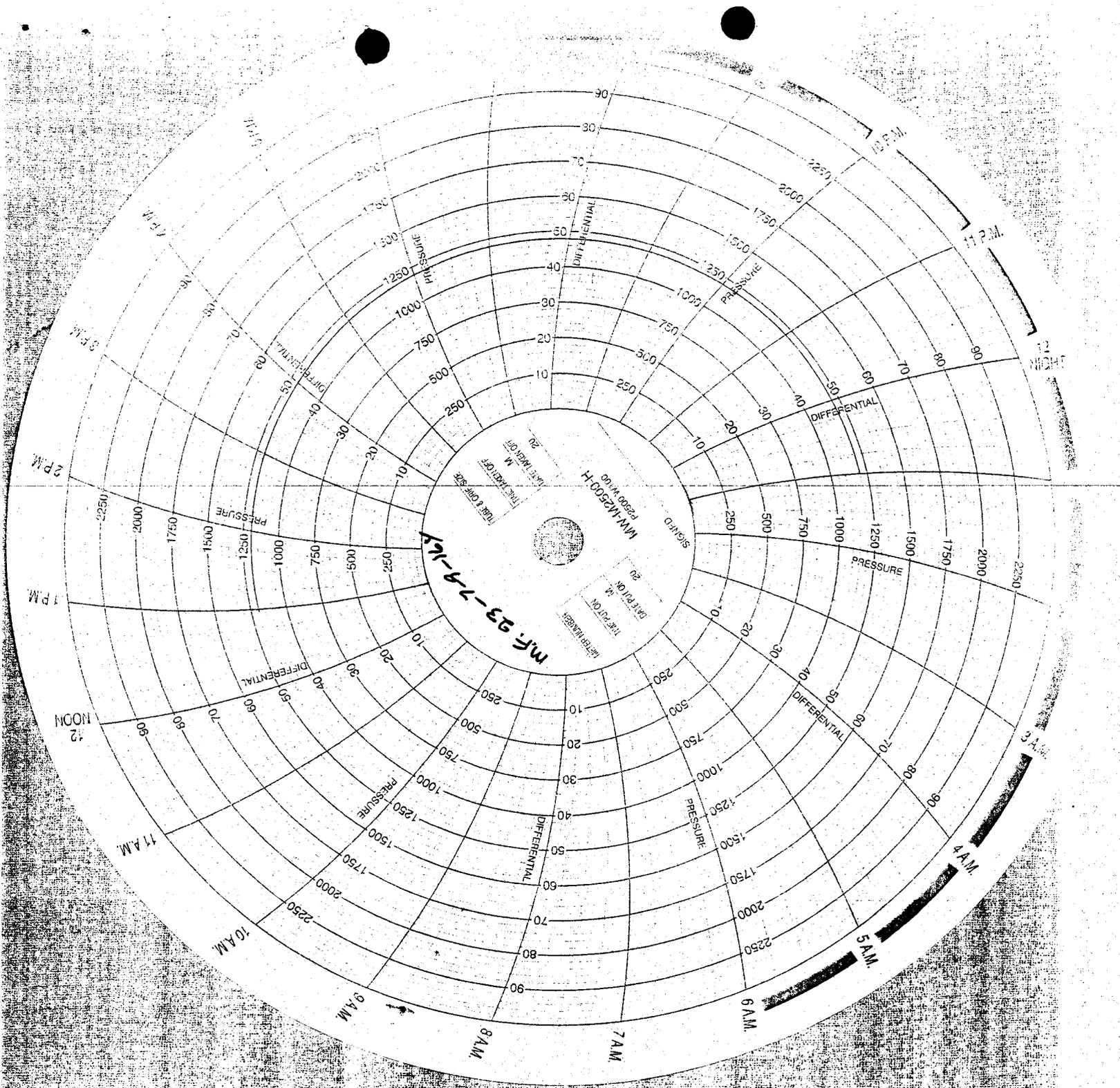
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1195</u>	psig
5	<u>1195</u>	psig
10	<u>1195</u>	psig
15	<u>1195</u>	psig
20	<u>1195</u>	psig
25	<u>1195</u>	psig
30 min	<u>1195</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 1900 psig

Result:  Pass  Fail

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

Signature of Person Conducting Test: Jim Carroll



**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**

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, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME:  
GMBU

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

8. WELL NAME and NUMBER:  
MONUMENT FED 23-7-9-16Y

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301331694

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

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

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 2259 FSL 2020 FWL COUNTY: DUCHESNE  
OTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW, 7, T9S, R16E STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<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: 08/04/2010	<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 08/02/2010 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 08/02/2010. On 08/04/2010 the casing was pressured up to 1415 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1910 psig during the test. There was not a State representative available to witness the test.

API# 43-013-31694

NAME (PLEASE PRINT) Lucy Chavez-Naupoto TITLE Administrative Assistant  
SIGNATURE \_\_\_\_\_ DATE 08/06/2010

(This space for State use only)

**RECEIVED**  
**AUG 11 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 8/4/10 Time 10:00 (am) pm

Test Conducted by: Rowdy Cloward

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

Well: <u>Monument Federal 23-7-9-16Y</u>	Field: <u>Newfield Monument Butte</u>
Well Location: <u>Mon. Federal 23-7-9-16Y</u> <u>NE/SW SEC 7, T59, R16E Duchesne, County</u> <u>UTU 87538X</u>	API No: <u>43-013-31694</u>

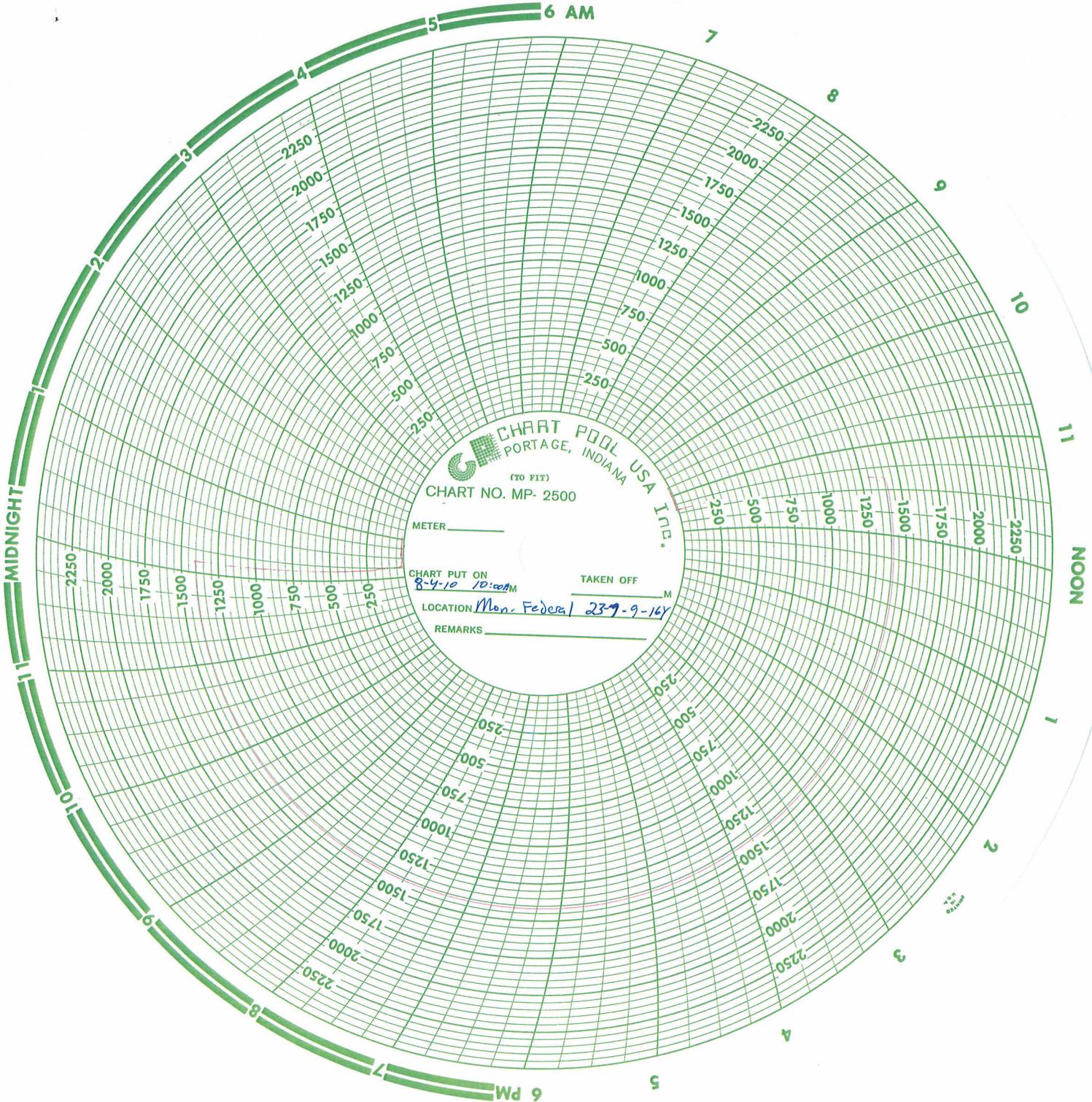
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1415</u>	psig
5	<u>1415</u>	psig
10	<u>1415</u>	psig
15	<u>1415</u>	psig
20	<u>1415</u>	psig
25	<u>1415</u>	psig
30 min	<u>1415</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 1910 psig

Result: Pass Fail

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

Signature of Person Conducting Test: Rowdy Cloward



**CHART POOL USA Inc.**  
PORTAGE, INDIANA  
(TO FIT)  
CHART NO. MP- 2500

METER \_\_\_\_\_  
CHART PUT ON 8-4-10 10:00 AM M  
TAKEN OFF \_\_\_\_\_ M  
LOCATION Mon. Federal 237-9-164  
REMARKS \_\_\_\_\_

MIDNIGHT

NOON

6 PM

6 AM

10

9

8

7

5

4

3

2

1

11

10

9

8

7

5

4

3

2

2250

2000

1750

1500

1250

1000

750

500

250

2250

2000

1750

1500

1250

1000

750

500

250

2250

2000

1750

1500

1250

1000

750

500

250

2250

2000

1750

1500

1250

1000

750

500

250

2250

2000

1750

1500

1250

1000

750

500

250

CHART NO.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74390	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)	
<b>1. TYPE OF WELL</b> Water Injection Well		<b>8. WELL NAME and NUMBER:</b> MON FED 23-7-9-16Y	
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>9. API NUMBER:</b> 43013316940000	
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE	
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2259 FSL 2020 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESW Section: 07 Township: 09.0S Range: 16.0E Meridian: S		<b>COUNTY:</b> DUCHESNE	
		<b>STATE:</b> UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/2/2015  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: 5 YR MIT
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
<p>On 06/29/2015 Richard Powell with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 07/02/2015 the casing was pressured up to 1144 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1832 psig during the test. There was a State representative available to witness the test - Richard Powell.</p>		<p><b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY July 07, 2015</b></p>	
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician	
<b>SIGNATURE</b> N/A		<b>DATE</b> 7/6/2015	

# Mechanical Integrity Test Casing or Annulus Pressure Test

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

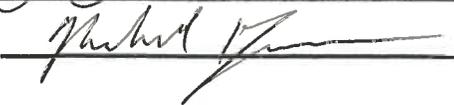
Witness: Richard Powell Date 7/21/15 Time 8:24 am pm  
Test Conducted by: Michael Jensen  
Others Present: Richard Powell, ~~Reed~~ Jeremy Price

Well: Monument Federal 23-7-9-164 Field: Monument Butte  
Well Location: NE/SW sec. 7, T9S, R16E API No: 43-013-31694

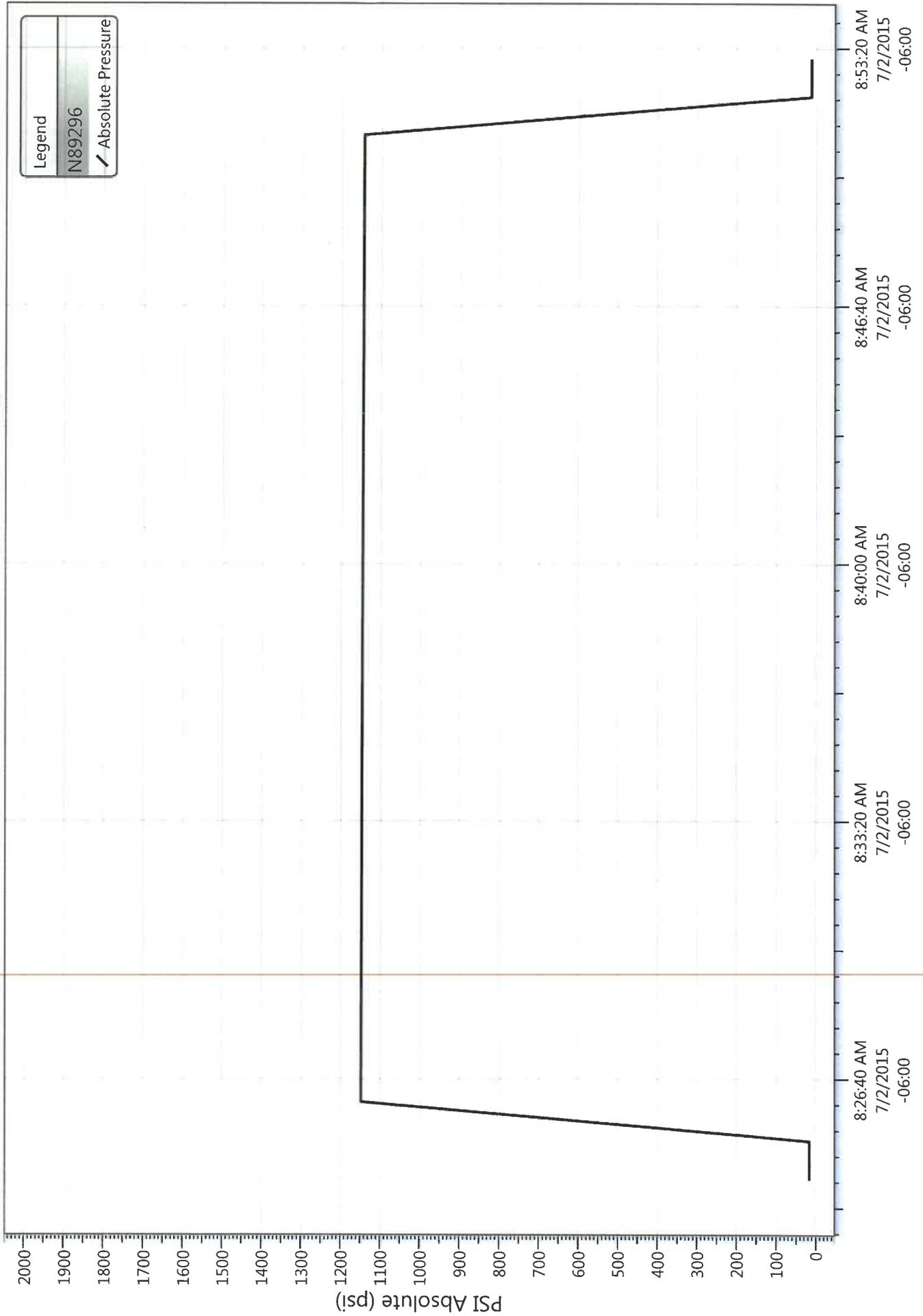
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1148.0</u>	psig
5	<u>1146.4</u>	psig
10	<u>1145.8</u>	psig
15	<u>1145.0</u>	psig
20	<u>1144.2</u>	psig
25	<u>1143.8</u>	psig
30 min		psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: 1832 psig

Result: Pass Fail

Signature of Witness:   
Signature of Person Conducting Test: 

Monument Federal 23-7-9-16Y 5 year MIT (7-2-15)  
7/2/2015 8:23:58 AM



Spud Date: 10/16/96  
 Put on Production: 11/19/96  
 Put on Injection: 4/4/00  
 GL: 5986' KB: 5996'

# Monument Federal 23-7-9-16Y

Injection Wellbore  
 Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 DEPTH LANDED: 288'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: ?

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 138 jts. (5868.42')  
 DEPTH LANDED: 5878.42"  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sx Super "G" & 340 sx 50/50 Poz

**TUBING**

SIZE GRADE WT.: 2-7/8" - 6.5 J-55  
 NO. OF JOINTS: 135 jts. (4178.11' KB)  
 SN LANDED AT: 4188.11' KB  
 ARROWSET PACKER: 4192.51' KB  
 TOTAL STRING LENGTH: 4196.61' KB

**FRAC JOB**

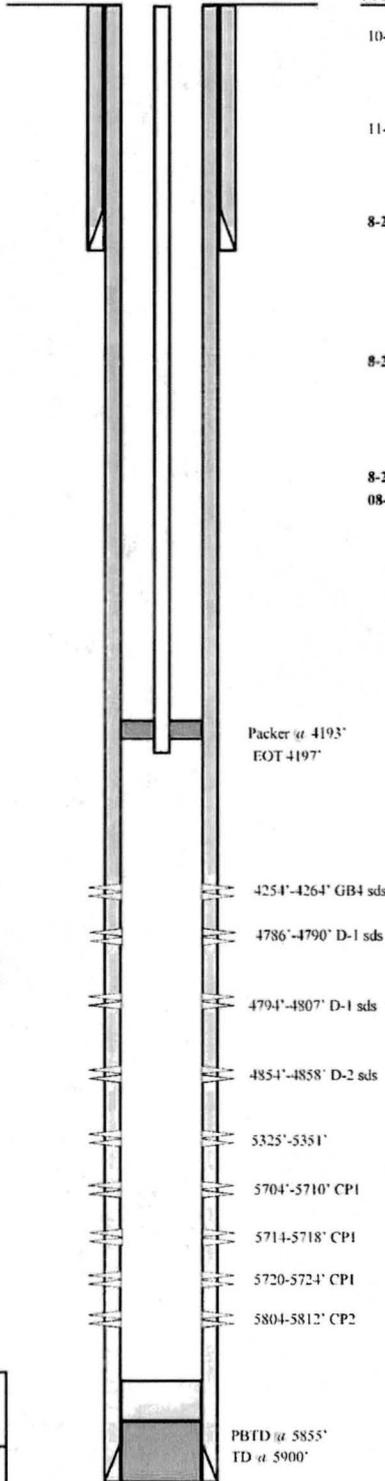
10-30-96 5325'-5351' **Frac as follows:**  
 23,200# 20/40 & 57,880# 16/30 sand in 535  
 bbls 2% KCL. ATP-2790 psi, ATR-32 BPM.  
 ISIP-2660 psi, 5 min 2120 psi.

11-04-96 4786'-4858' **Frac as follows:**  
 56,000# 16/30 sand in 483 bbls 2% KCL.  
 ATP-2350 psi, ATR-32.9 BPM. ISIP-2500  
 psi, 5 min 1760 psi.

8-26-05 5704-5812' **Frac CP2 & CP1 sand as follows:**  
 18892#s 20/40 sand in 190 bbls Lightning  
 17 frac fluid. Treated @ ave. pressure of  
 2521 psi w ave rate of 14.2 BPM. ISIP 1500  
 psi. Calc flush: 1457.40 gal. Actual flush:  
 1344 gals.

8-26-05 4254-4264' **Frac GB4 sand as follows:**  
 14698#s 20/40 sand in 152 bbls Lightning 17  
 frac fluid. Treated @ ave pressure of 2700 psi  
 w ave rate of 14.2 BPM. ISIP 1500 psi. Calc.  
 Flush: 1092 gals. Actual Flush: 966 gals.

8-29-05  
 08-04-10 **MIT completed.**  
 5 yr MIT



**PERFORATION RECORD**

10-29-96	5325'-5351'	2 JSPF	52 holes
11-01-96	4786'-4790'	4 JSPF	16 holes
11-01-96	4794'-4807'	4 JSPF	52 holes
11-01-96	4854'-4858'	4 JSPF	16 holes
8-25-05	5804-5812'	4 JSPF	32 holes
8-25-05	5720-5724'	4 JSPF	16 holes
8-25-05	5714-5718'	4 JSPF	16 holes
8-25-05	5704-5710'	4 JSPF	24 holes
8-25-05	4254-4265'	4 JSPF	40 holes

**NEWFIELD**

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**Monument Federal 23-7-9-16Y**  
 2259' FSL & 2020' FWL  
 NESW Section 7-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31694; Lease #U-74390