UTAH OIL AND GAS CONSERVATION COMMISSION

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

MAP LOG 1-25-95 971210 Equivalence to Inland eff. 9-30-97:
960226 Confidential Status Expired 2-26-96 960401 Oper. Nm. Chg.

DATE FILED	NOVEMBER 7, 1994
LAND: FEE & PATENTED / STATE LEASE NO. / PUBLIC LEASE NO. / INDIAN	U-66191
DRILLING APPROVED:	DECEMBER 7, 1994
SPUDDED IN:	12-18-94
COMPLETED:	1-26-95 POW PUT TO PRODUCING: 1-26-95
INITIAL PRODUCTION:	17 BOPD
GRAVITY A.P.I.	34
GOR:	
PRODUCING ZONES:	6221-6248 (GRRV)
TOTAL DEPTH:	10,000'
WELL ELEVATION:	5197 GR
DATE ABANDONED:	
FIELD:	~~UNDESIGNATED FIELD~~ TREATY BOUNDARY 12-6-96
UNIT:	NA
COUNTY:	DUCHESNE
WELL NO.	BALCRON FEDERAL #12-22Y API NO. 43-013-31476
LOCATION	2105' FNL FT. FROM (N) (S) LINE, 660' FWL FT. FROM (E) (W) LINE. SW NW 1/4 – 1/4 SEC. 22

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				8S	17E	22	~~EQUIT RES ENERGY CO~~ Inland Prod. Co.

EQUITABLE **RESOURCES**
ENERGY COMPANY
BALCRON OIL DIVISION
1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104

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

November 4, 1994

-- VIA FEDERAL EXPRESS --

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

Gentlemen:

RE: Balcron Federal #12-22Y
SW NW Section 22, T8S, R17E
Duchesne County, Utah

Enclosed is our Application for Permit to Drill the referenced well.

The Notice of Staking for this well was submitted October 12, 1994, and an onsite inspection was held October 24, 1994. Federal lease #U-66191 expires January 1, 1995, and we will need to be drilling over that expiration date. In order to do that we will need to have an approved APD to begin building location by December 15, 1994.

As operator, we hereby request that the status of this well be held tight for the maximum period allowed by Federal and State regulations.

Sincerely,

Bobbie Schuman

Bobbie Schuman
Regulatory and Environmental Specialist

/rs

Enclosure

cc: Utah Division of Oil, Gas and Mining

Form 3160-3
(November 1983)
(formerly 9-331C)

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: U-66191

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

7. UNIT AGREEMENT NAME: n/a

8. FARM OR LEASE NAME: Balcron Federal

9. WELL NO.: # 12-22Y

10. FIELD AND POOL, OR WILDCAT: Undesignated/Green River

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 22, T8S, R17E

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER — SINGLE ZONE [ ] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR: Equitable Resources Energy Company, Balcron Oil Division

3. ADDRESS OF OPERATOR: P.O. Box 21017; Billings, MT 59104

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: SW NW Section 22, T8S, R17E 2105' FNL, 660' FWL
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: Approximately 10.6 miles SE of Myton, Utah

12. COUNTY OR PARISH: Duchesne

13. STATE: 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	20. ROTARY OR CABLE TOOLS
	6,600'	Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): GL 5197'

22. APPROX. DATE WORK WILL START*: 12/15/94

23. PROPOSED CASING AND CEMENTING PROGRAM

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

Operator intends 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.

RECEIVED
NOV - 7 1994
DIV OF OIL, GAS & 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 Bobbie Schuman TITLE Regulatory and Environmental Specialist DATE November 4, 1994

(This space for Federal or State office use)

PERMIT NO. 43-013-31476 APPROVAL DATE

APPROVED BY TITLE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 12/7/94
BY: [signature] Matthews
WELL SPACING: R649-3-2

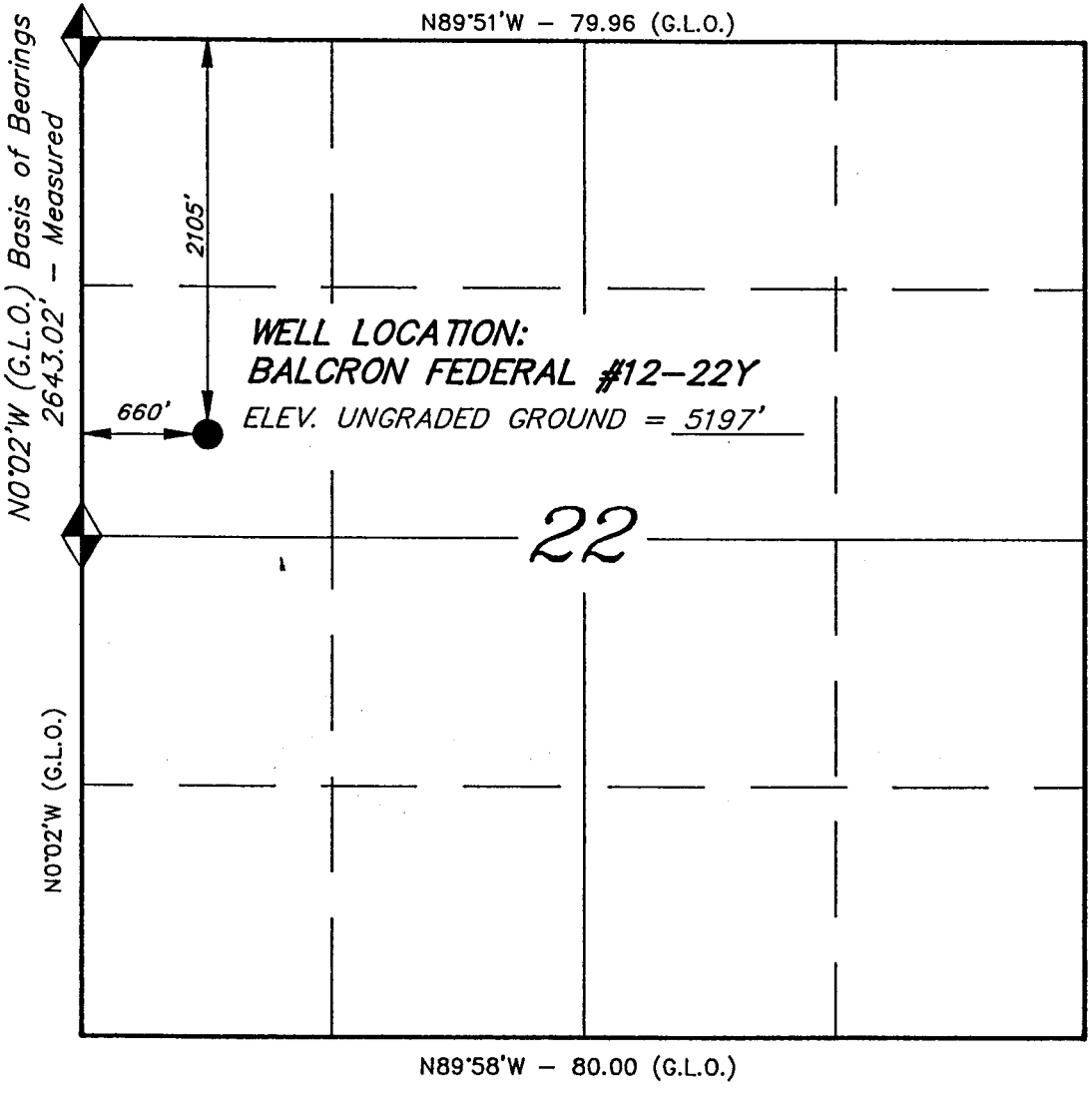
*See Instructions On Reverse Side

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

T8S, R17E, S.L.B.&M.

EQUITABLE RESOURCES ENERGY CO.

WELL LOCATION, BALCRON FEDERAL #12-22Y, LOCATED AS SHOWN IN THE SW 1/4 NW 1/4 OF SECTION 22, T8S, R17E, 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

= SECTION CORNERS LOCATED

BASIS OF BEARINGS; G.L.O. DATED 1910

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

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

SCALE: 1" = 1000'	SURVEYED BY: G.S.
DATE: 10-11-94	WEATHER: COOL
NOTES:	FILE #12-22Y

EXHIBIT "K"

FORM 3

STATE OF UTAH

DIVISION OF OIL, GAS AND MINING

RECEIVED
NOV - 7 1994
CONFIDENTIAL
DIV OF OIL, GAS & MINING

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

5. Lease Designation and Serial Number: Federal # U-66191

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

1A. Type of Work: DRILL [X] DEEPEN [ ]

7. Unit Agreement Name: n/a

B. Type of Well: OIL [X] GAS [ ] OTHER: SINGLE ZONE [ ] MULTIPLE ZONE [ ]

8. Farm or Lease Name: Balcron Federal

2. Name of Operator: Equitable Resources Energy Company, Balcron Oil Division

9. Well Number: # 12-22Y

3. Address and Telephone Number: P.O. Box 21017; Billings, MT 59104 (406) 259-7860

10. Field and Pool, or Wildcat: Undesignated/Grn.River

4. Location of Well (Footages)
At Surface: 2105' FNL, 660' FWL
At Proposed Producing Zone:

11. Qtr/Qtr, Section, Township, Range, Meridian: SW NW 22, T8S, R17E

14. Distance in miles and direction from nearest town or post office: Approximately 10.6 miles SE of Myton, Utah

12. County: Duchesne

13. State: UTAH

15. Distance to nearest property or lease line (feet):	16. Number of acres in lease:	17. Number of acres assigned to this well:
18. Distance to nearest well, drilling, completed, or applied for, on this lease (feet):	19. Proposed Depth: 6,600'	20. Rotary or cable tools: Rotary

21. Elevations (show whether DF, RT, GR, etc.): GL 5197'

22. Approximate date work will start: 12/15/94

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
	See EXHIBIT "D" Drilling Program/Casing Design			

DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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.

Operator intends to drill this well in accordance with the attached Federal Application for Permit to Drill.

24.

Name & Signature: Bobbie Schuman
Bobbie Schuman

Title: Regulatory and Environmental Specialist

Date: 11-4-94

(This space for State use only)

API Number Assigned: 43-013-31476

Approval:

~~APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING~~

DATE: 12/7/94

BY: [signature] Matthews

WELL SPACING: R649-3-2

(1\93)

(See Instructions on Reverse Side)

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

11/2/94

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
Balcron Oil Division
P.O. Box 21017
Billings, MT 59104
(406) 259-7860

EQUITABLE RESOURCES ENERGY COMPANY
Balcron Oil Division
Balcron Federal # 12-22Y
SW NW Section 22, T8S, R17E
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 400'. 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 400' 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 Grn.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 with location construction beginning approximately December 15, 1994.

b. These drilling operations should be completed within 18 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.

SURFACE USE PROGRAM

EQUITABLE RESOURCES ENERGY COMPANY
Balcron Oil Division
Balcron Federal #12-22Y
SW NW Section 22, T8S, R17E
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 6.6 miles. Turn left and follow road 3.0 miles to the 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 "J" Maps A & B

   a. All access is on private surface.

   b. All travel will be confined to location and access routes.

   c. As all access is on private surface no right-of-way applications are needed for this road.

3. LOCATION OF EXISTING WELLS:

   See EXHIBIT "I" Map C.

4. LOCATION OF EXISTING AND/OR PROPOSED PRODUCTION FACILITIES:

   See EXHIBIT "J" which is the proposed production facility diagram.

5. LOCATION AND TYPE OF WATER SUPPLY:

   a. The drilling water source will be obtained from a private source owned by Joe Shields. A copy of the State-approved permit is on file in the Vernal District Bureau of Land Management office.

   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.

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.

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. 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.

f. 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 (survey 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.

10. PLANS FOR RECLAMATION OF LOCATION SITE:

Reclamation will be done in accordance with the agreement with the surface owner.

11. SURFACE OWNERSHIP:

Clark Roberts
Route 3, Box 3675
Myton, UT 84052

12. OTHER INFORMATION:

a. The surface owner has waived any archeological surveys.

b. Operator will have on site a copy of the Surface Use Program and a copy of the supplemental conditions.

c. Downhole drilling operations will be conducted in accordance with the Bureau of Land Management conditions of approval when received. The surface operations will be conducted in accordance with the agreement reached with the surface owner.

d. Equitable Resources Energy Company, Balcron Oil Division has reached an agreement with the surface owner, L. Clark Roberts, as to the requirements for the protection of surface resources and reclamation of disturbed areas and/or damages in lieu thereof.

13. OPERATOR'S REPRESENTATIVES:

Equitable Resources Energy Company, Balcron Oil Division
1601 Lewis Avenue
P.O. Box 21017
Billings, Montana 59104
(8:00 a.m. to 5:00 p.m.)
(406) 259-7860
FAX: (406) 245-1361

Dave McCoskery, Drilling Engineer Home: (406) 248-3864

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

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 Balcron Oil, a division of 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.

November 4, 1994
Date

Bobbie Schuman
Bobbie Schuman
Regulatory and Environmental Specialist
Equitable Resources Energy Company, Balcron Oil Division

11/3/94
/rs

Balcron Oil Well Prognosis

EXHIBIT "C"

Well Name	BALCRON FEDERAL #12-22Y	**Exploratory**		**Control Well**	BOUND FED #11-2
Location	SWNW SEC 22-T8S-R17E 2105' FNL, 660' FWL	**Development**	X	**Operator**	LOMAX
County	DUCHESNE	**Field**	MON BUTTE	**KB**	5252
State	UTAH	**Section**	SWNW 22	**Section**	NESW 21
Total Depth	6600	**Township**	8S	**Township**	8S
GL (Ung)	5197 **EST. KB** 5205	**Range**	17E	**Range**	17E

Formation Tops	**Prognosis**		**Sample Top**		**Control Well**	**High/Low**		
Formation	Depth	Datum	Depth	Datum	Datum	Prog	Cntl	Deviation
UINTA	SURFACE							
GREEN RIVER	1923	3282			3352			
HORSEBENCH SS	2753	2452			2522			
2ND GARDEN GULCH	4442	763			833			
Y-3 SAND (PAY)	4821	384			454			
YELLOW MARKER	5074	131			201			
DOUGLAS CREEK	5246	-41			29			
R-2 SAND (PAY)	5343	-138			-68			
R-5 SAND (PAY)	5439	-234			-164			
2ND DOUGLAS CREEK	5512	-307			-237			
GREEN MARKER	5672	-467			-397			
G-5 SAND (PAY)	5800	-595			-525			
CARBONATE MARKER	6100	-895			NDE			
B-1 SAND (PAY)	6144	-939			NDE			
UTELAND BUTTE LS	6516	-1311						
TD	6600							

Samples

50' FROM 1900' TO 4500'
30' FROM 4500' TO TD
5' THROUGH EXPECTED PAYS
5' THOUGH DRILLING BREAKS

DST,s

DST #1 NONE
DST #2
DST #3
DST #4

Wellsite Geologist

Name:
From: to:
Address:
Phone # wk
hm
Fax #

Logs

DLL FROM SURF CSG TO TD
LDT/CNL FROM 4200' TO TD

Cores

Core #1 NONE
Core #2
Core #3
Core #4

Mud Logger/Hot Wire

Company:
Required: (Yes/No) YES
Type: TWO MAN
Logger:
Phone #
Fax #

Comments:

Report To: 1st Name: DAVE BICKERSTAFF Phone # (406) 259-7860 wk. 245-2261 hm
2nd Name: KEVEN REINSCHMIDT Phone # " wk. 248-7026 hm

Prepared By: K.K. REINSCHMIDT 11/2/94 Phone # wk. hm

Equitable Resources Energy Company
Balcron Oil Division

DRILLING PROGRAM

WELL NAME: Balcron Federal #12-22Y **PROSPECT/FIELD:** Exploritory
LOCATION: SW NW Sec.22 Twn.8S Rge.17E
COUNTY: Duchesne **STATE:** Utah

TOTAL DEPTH: 6600'

HOLE SIZE	INTERVAL
12 1/4"	Surface to 400'
7 7/8"	400' to 6600' (TD)

CASING	INTERVAL		CASING		
STRING TYPE	FROM	TO	SIZE	WEIGHT	GRADE
Surface Casing	0	400	8 5/8"	24 lb/ft	J55
Production Casing	0	6600	5 1/2"	15.50	K55

(All casing strings will be new, 8 Rd, ST&C)

CEMENT PROGRAM

Surface	350 sacks Class "G" with 2% CaCl and 1/4 lb/sack Flocele. (Cement will be circulated to surface.)
Production	225 sacks Thrify Lite and 400 sacks 50-50 Pozmix. (Actual cement volumes will be calculate from caliper log with cement top being 2000')

PRELIMINARY DRILLING FLUID PROGRAM

TYPE	FROM	TO	WEIGHT	PLAS. VIS	YIELD POINT
Air and air mist	Surf	400	N.A.	N.A.	N.A.
Air/Air Mist/KCl Water	400	6600	8.7-8.9	N.A.	N.A.

COMMENTS

1.) No cores or DST's are planned.

DMM/11/4/94

BALCRON OIL CO.

Operator: BALCRON OIL	Well Name: Balcron Fed. 12-22Y
Project ID:	Location: Uintah Co., Utah

Design Parameters:

Mud weight (9.00 ppg) : 0.468 psi/ft
Shut in surface pressure : 2793 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)
Overpull : 0 lbs.

	Length (feet)	Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost
1	6,600	5-1/2"	15.50	K-55	ST&C	6,600	4.825	

	Collapse Load (psi)	Collapse Strgth (psi)	S.F.	Burst Load (psi)	Min Int Yield Strgth (psi)	S.F.	Tension Load (kips)	Tension Strgth (kips)	S.F.
1	3553	4040	1.137	3553	4810	1.35	117.80	222	1.88 J

Prepared by : McCoskery, Billings, MT
Date : 11-03-1994
Remarks :

Minimum segment length for the 6,600 foot well is 1,500 feet.
The mud gradient and bottom hole pressures (for burst) are 0.468 psi/ft and 3,553 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 - Burst, 1.8 - 8 Round Tension, 1.6 - Buttress Tension, and 1.5 - Body Yield. 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 1990 pricing model. (Version 1.0G)

EXHIBIT E

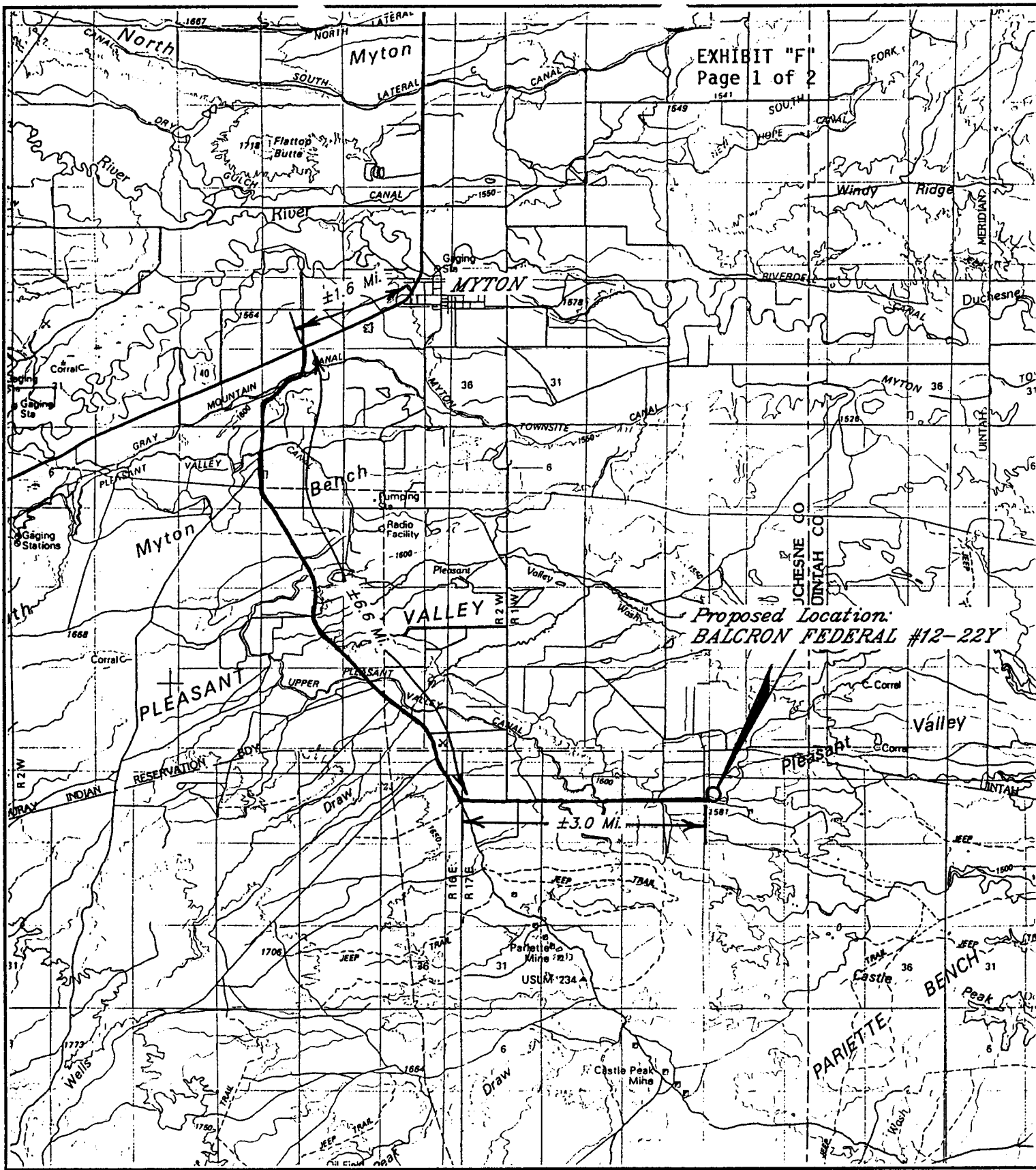
A. Hazardous chemicals 10,000 pounds of which will most likely be used, produced, stored, transported, or disposed of in association with the proposed action of drilling, completing and producing this well:

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

B. Extremely hazardous substances threshold quantities (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



EQUITABLE RESOURCES CO.

BALCRON FEDERAL #12-22Y
SECTION 22, T8S, R17E, S.L.B.&M.
TOPO "A"

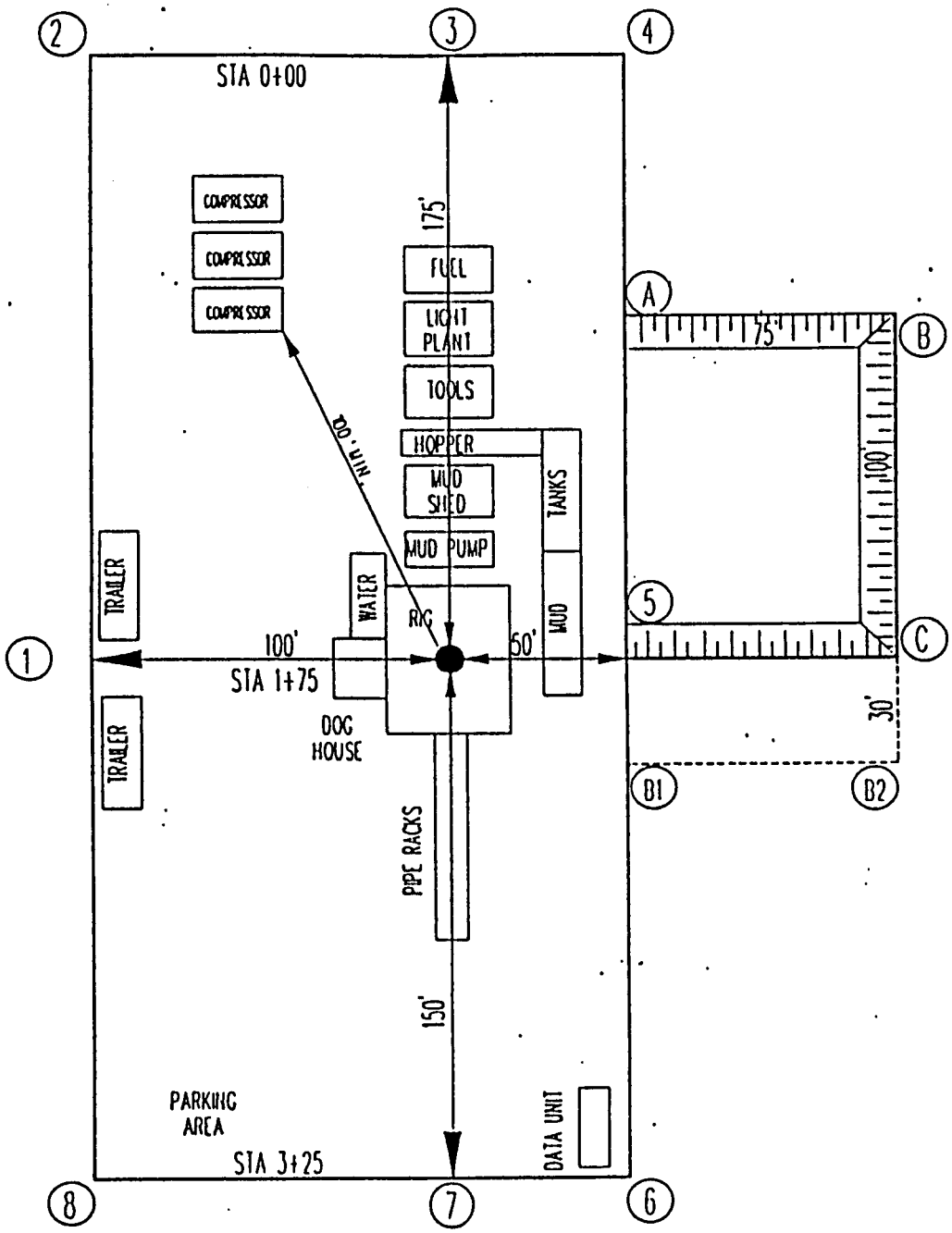
N

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

EXHIBIT "G"

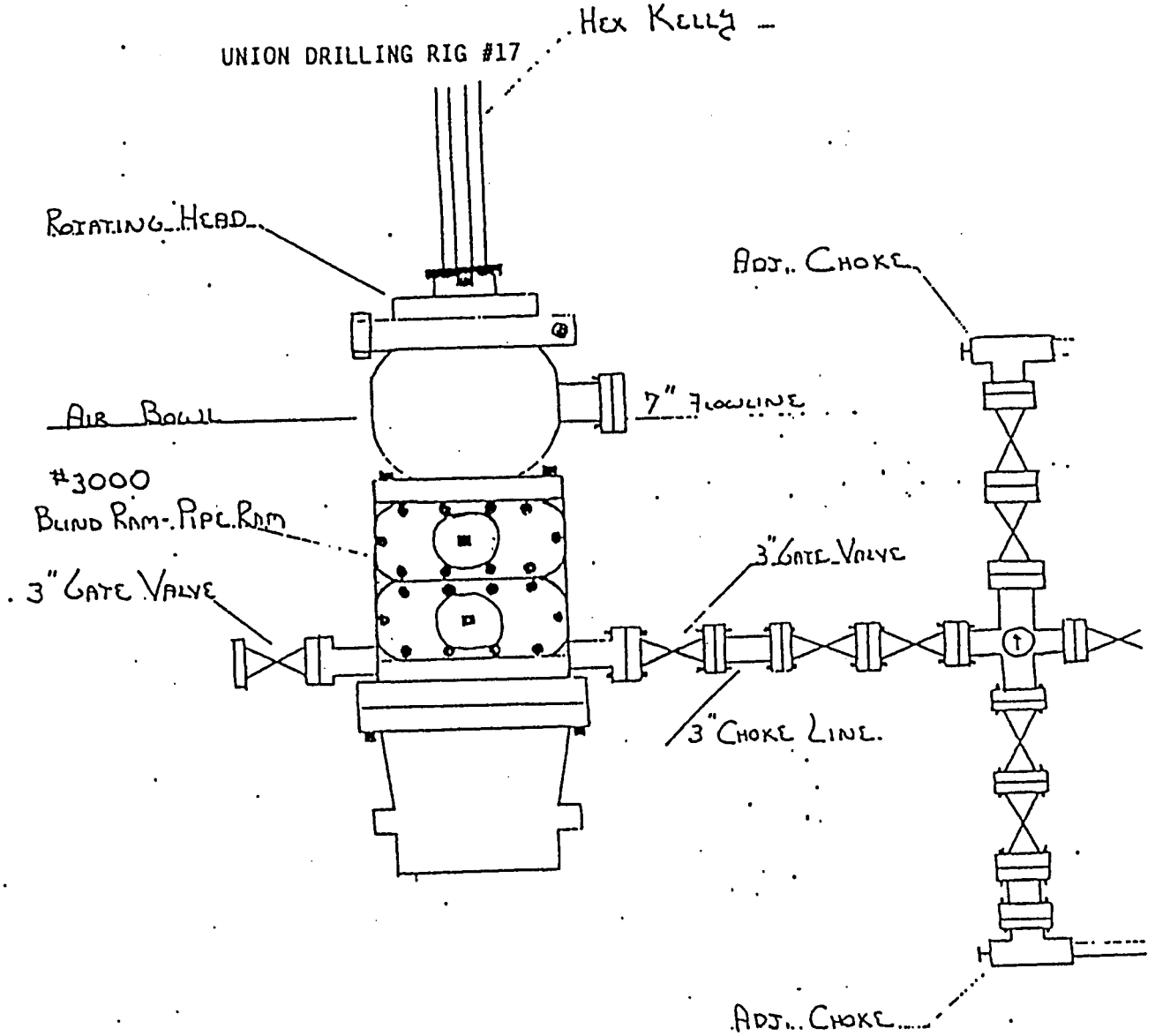
EQUITABLE RESOURCES ENERGY CO.

WELLSITE LAYOUT



TRI-STATE
LAND SURVEYING, INC.
38 WEST 100 NORTH, VERNAL, UTAH 84078
801-781-2501

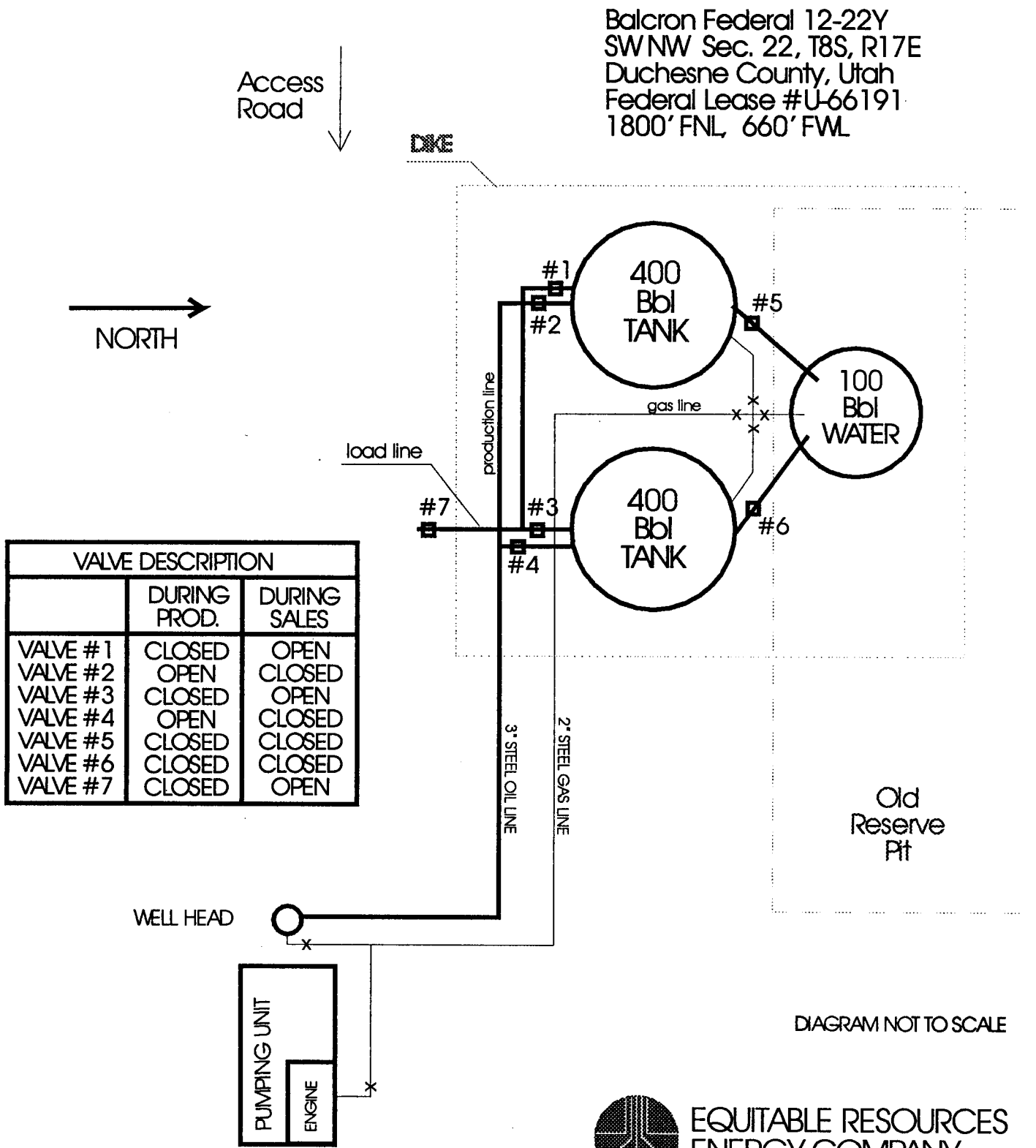
EXHIBIT "H"



#3000 Stack

Equitable Resources Energy Company
Balcron Federal 12-22Y
Proposed Production Facility Diagram

EXHIBIT "J"



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

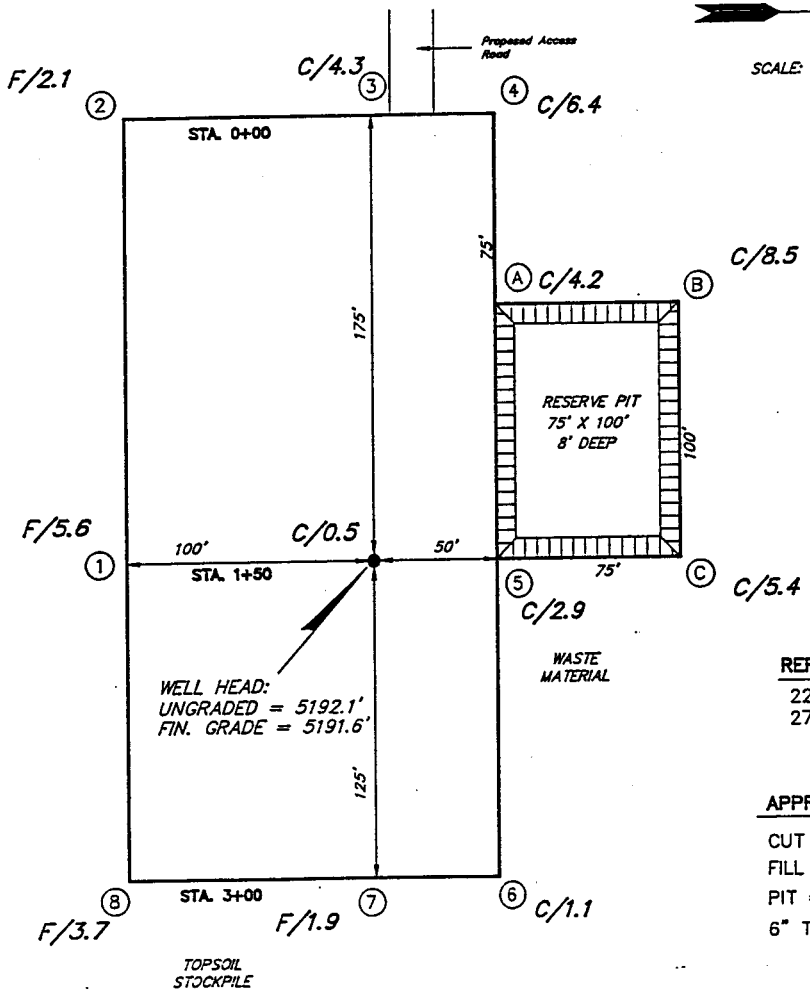
DIAGRAM NOT TO SCALE

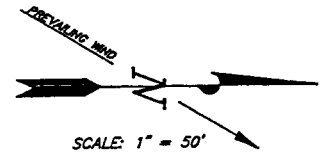
EQUITABLE RESOURCES ENERGY COMPANY
BALCRON OIL DIVISION
1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104-1017
(406) 259-7860

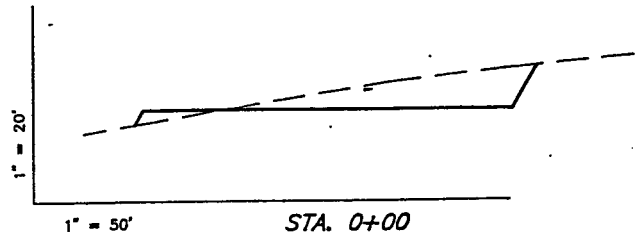
EXHIBIT "L"

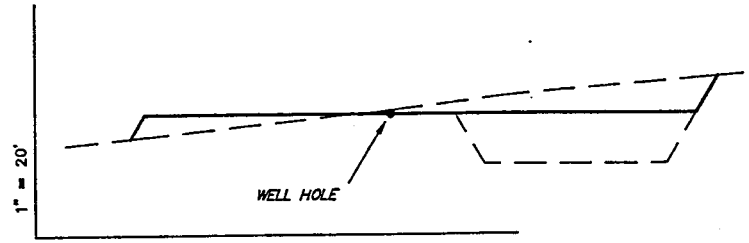
EQUITABLE RESOURCES ENERGY CO.

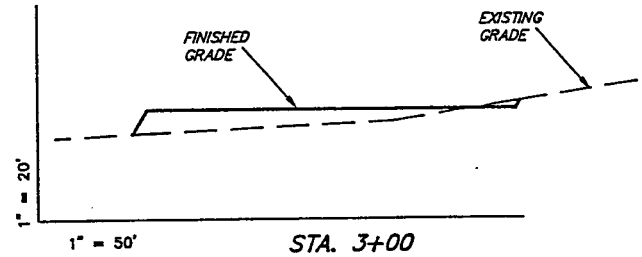
BALCRON FEDERAL #12-22Y
SECTION 22, T8S, R17E, S.L.B.&M.











REFERENCE POINTS

225.0' WEST 5190.5'
275.0' WEST 5190.7'

APPROXIMATE YARDAGES

CUT = 3490 Cu. Yds.
FILL = 2460 Cu. Yds.
PIT = 2220 Cu. Yds.
6" TOPSOIL = 970 Cu. Yds.

SURVEYED BY: G.S. G.H.	
DRAWN BY: R.H.	
DATE: 10-14-94	
SCALE: 1" = 50'	
FILE: 12-22Y	

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

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/07/94

API NO. ASSIGNED: 43-013-31476

WELL NAME: BALCRON 12-22Y
OPERATOR: EQUITABLE RESOURCES (N9890)

PROPOSED LOCATION:
SWNW 22 - T08S - R17E
SURFACE: 2105-FNL-0660-FWL
BOTTOM: 2105-FNL-0660-FWL
DUCHESNE COUNTY
UNDESIGNATED FIELD (002)

LEASE TYPE: FED
LEASE NUMBER: U-66191

PROPOSED PRODUCING FORMATION: GRRV

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

RECEIVED AND/OR REVIEWED:

Y Plat
Y Bond: Federal[Y] State[] Fee[]
(Number 5547188)
N Potash (Y/N)
N Oil shale (Y/N)
Y Water permit
(Number JOE SHIELDS WELL)
N 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: CONFIDENTIAL PERIOD EXPIRED ON 2-26-96

STIPULATIONS:

STATE OF UTAH

Operator: EQUITABLE RESOURCES	Well Name: BALCRON FED. 12-22Y
Project ID: 43-013-31476	Location: SEC. 22 - T08S - R17E

Design Parameters:

Mud weight (8.90 ppg) : 0.462 psi/ft
Shut in surface pressure : 2624 psi
Internal gradient (burst) : 0.065 psi/ft
Annular gradient (burst) : 0.000 psi/ft
Tensile load is determined using buoyed 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	6,600	5.500	15.50	K-55	ST&C	6,600	4.825	

	Collapse Load (psi)	Collapse Strgth (psi)	Collapse S.F.	Burst Load (psi)	Min Int Yield Strgth (psi)	Burst S.F.	Tension Load (kips)	Tension Strgth (kips)	Tension S.F.
1	3051	4040	1.324	3051	4810	1.58	88.38	222	2.51 J

Prepared by : FRM, Salt Lake City, UT
Date : 12-08-1994
Remarks :

Minimum segment length for the 6,600 foot well is 1,000 feet.
SICP is based on the ideal gas law, a gas gravity of 0.69, and a mean gas temperature of 107°F (Surface 74°F , BHT 140°F & temp. gradient 1.000°/100 ft.)
The mud gradient and bottom hole pressures (for burst) are 0.462 psi/ft and 3,051 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 - Burst, 1.8 - 8 Round Tension, 1.6 - Buttress Tension, and 1.5 - Body Yield. 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 1.06)

EQUIPMENT INVENTORY
UTAH DIVISION OF OIL, GAS AND MINING
STATE OF UTAH

Operator: EQUITABLE RESOURCES Lease: State: ___ Federal: Y Indian: ___ Fee: _

Well Name: BALCRON FEDERAL #12-22Y API Number: 43-013-31476

Section: 22 Township: 8S Range: 17E County: DUCHESNE Field: TREATY BOUNDARY

Well Status: POW Well Type: Oil: _____ Gas: _____

PRODUCTION LEASE EQUIPMENT: (NUMBER)

Boiler(s): ____ Compressor(s): ____ Separator(s): ____ Dehydrator(s): ____

Shed(s): _____ Line Heater(s): _____ Heated Separator(s): ____ VRU: ____

Heater Treater(s): (1)

PUMPS:

Triplex: _____ Chemical: _____ Centrifugal: (1)

LIFT METHOD:

Pumpjack: Y Hydraulic: _____ Submersible: _____ Flowing: _____

GAS EQUIPMENT: (NUMBER)

Purchase Meter: N Sales Meter: N

TANKS:	NUMBER	SIZE	
Oil Storage Tank(s):	YES	2-400 OIL TANKS	BBLS
Water Tank(s):	YES	1-150 WATER	BBLS
Power Water Tank:	N		BBLS
Condensate Tank(s):	N		BBLS
Propane Tank:	(1)		

Central Battery Location: (IF APPLICABLE)

Qtr/Qtr: ____ Section: ___ Township: ___ Range: _____

REMARKS: NO METERS. RUNNING ON CASING GAS WITH PROPANE FOR BACKUP.
CENTRIFUGAL IS FOR HEAT TRACE. GAS WAS NOT VENTING WHILE ON LEASE.

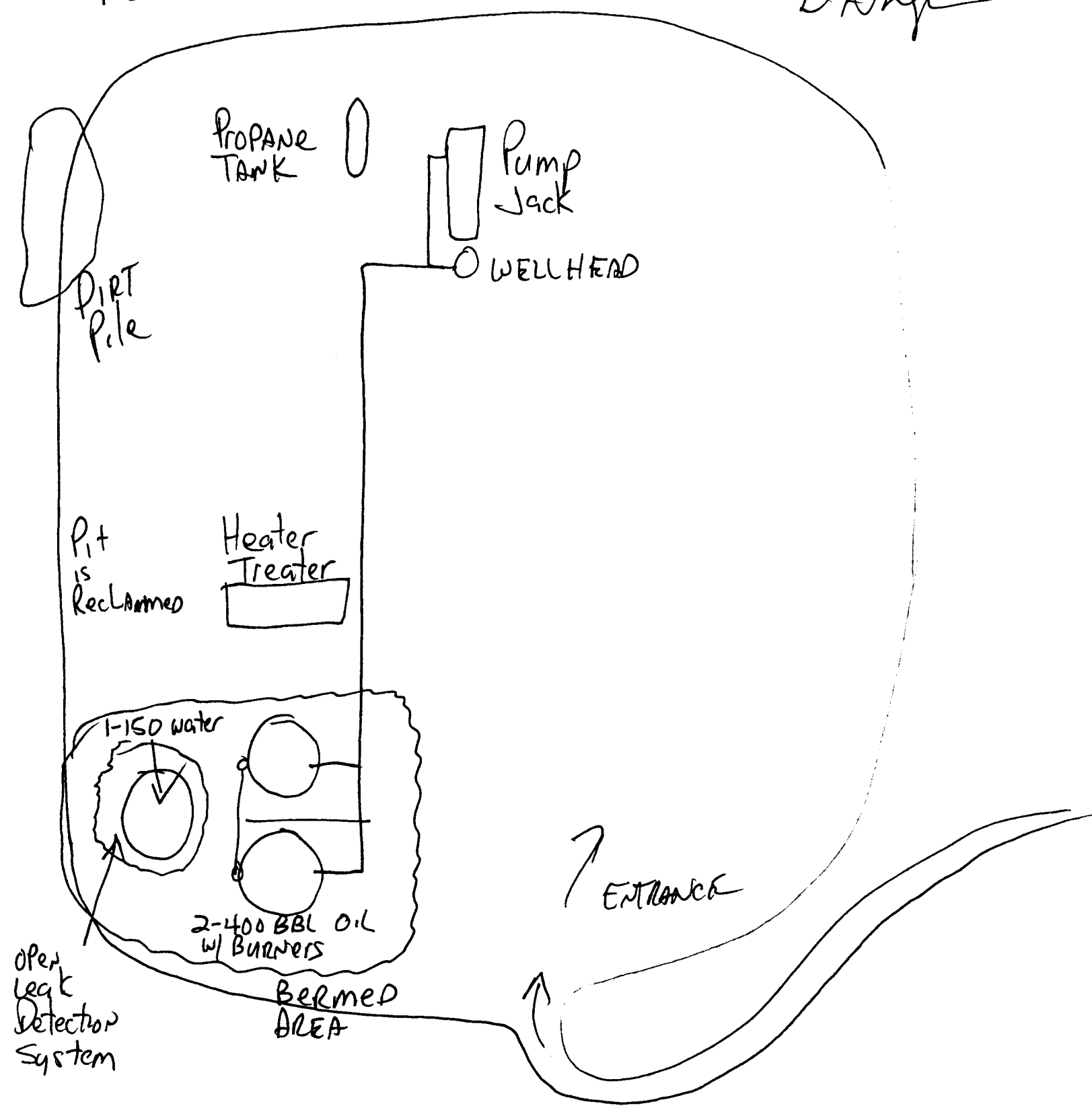
Inspector: DENNIS L. INGRAM Date: 2/7/95

2/7/95

EQUITABLE RESOURCES ENERGY
BALCRON FEDERAL 12-22Y
Sec 22; T8S; R17E
POW

43-013-31476

NORTH



EQUITABLE **RESOURCES**
ENERGY COMPANY
BALCRON OIL DIVISION

1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104

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

November 21, 1994

-- VIA FEDERAL EXPRESS --

Sally Gardiner
Legal Instruments Examiner
Bureau of Land Management
170 South 500 East
Vernal, UT 84078

Dear Sally:

RE: Balcron Federal #12-22Y 43-013-31476
SW NW Section 22, T8S, R17E
Duchesne County, Utah

As requested, attached is a copy of the combined Private Surface Owner Waiver and Surface Agreement for the referenced well.

We would like to begin building location the week of December 5, 1994, so would appreciate a prompt turnaround on approval of this APD. I'd appreciate it if you would call me when it is ready, Sally, as we would like a copy kept at your office so that our representative can pick it up.

Thanks for your help in this matter. If you have any questions, please give me a call at (406) 259-7860.

Sincerely,

Bobbie Schuman

Bobbie Schuman
Regulatory and Environmental Specialist

/hs

Attachment

cc: Utah Division of Oil, Gas and Mining
Stan Olmstead, Vernal BLM

EQUITABLE RESOURCES ENERGY COMPANY
BALCRON OIL DIVISION
1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104

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

LESSOR: UTU-66191

SURFACE OWNER: L. Clark Roberts & Barbara J. Roberts, husband & wife

WELL: Balcron Federal #12-22Y

WELLSITE: TOWNSHIP 8 SOUTH, RANGE 17 EAST

COUNTY Duchesne

STATE Utah

I CERTIFY THAT L. Clark Roberts & Barbara J. Roberts HAVE ~~HAS~~ REACHED AN AGREEMENT WITH EQUITABLE RESOURCES ENERGY COMPANY, BALCRON OIL DIVISION AS TO THE REQUIREMENTS FOR THE PROTECTION OF SURFACE RESOURCES AND RECLAMATION OF DISTURBED AREAS AND/OR DAMAGES IN LIEU THEREOF. THE UNDERSIGNED ALSO WAIVE ANY ARCHEOLOGICAL ASSESSMENTS THAT MAY BE REQUIRED BY THE UTAH BUREAU OF LAND MANAGEMENT.

OCTOBER 24, 1994 — L. Clark Roberts
DATE — SURFACE OWNER

OCTOBER 24, 1994 — Barbara J. Roberts
DATE — SURFACE OWNER

OCTOBER 24, 1994 — D. Gary Kleary
DATE — REPRESENTATIVE OF OPERATOR

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

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

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)

December 7, 1994

Equitable Resources Energy Company
P.O. Box 21017
Billings, Montana 59104

Re: Balcron Federal #12-22Y Well, 2105' FNL, 660' FWL, SW NW, Sec. 22, T. 8 S., R. 17 E., Duchesne County, Utah

Gentlemen:

Pursuant to Utah Admin. R. 649-3-2, Location and Siting of Wells and Utah Admin. R. 649-3-4, Permitting of Wells to be Drilled, Deepened or Plugged-Back, approval to drill the referenced well is hereby granted.

In addition, the following specific actions are necessary to fully comply with this approval:

1. Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules.

2. Notification to the Division within 24 hours after drilling operations commence.

3. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.

4. Submittal of the Report of Water Encountered During Drilling, Form 7.

5. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.

6. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or K. Michael Hebertson, Reclamation Specialist, (Home) (801)269-9212.

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-013-31476.

Sincerely,

R.J. Firth
Associate Director

ldc
Enclosures
cc: Duchesne County Assessor
Bureau of Land Management, Vernal District Office
WOI1

Form 3160-3
(November 1983)
(formerly 9-331C)

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

RECEIVED
NOV 2 1994
DIV OF OIL, GAS & MINING

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER SINGLE ZONE [ ] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR: Equitable Resources Energy Company, Balcron Oil Division

3. ADDRESS OF OPERATOR: P.O. Box 21017; Billings, MT 59104

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: SW NW Section 22, T8S, R17E 2105' FNL, 660' FWL
At proposed prod. zone

5. LEASE DESIGNATION AND SERIAL NO.: U-66191

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

7. UNIT AGREEMENT NAME: n/a

8. FARM OR LEASE NAME: Balcron Federal

9. WELL NO.: # 12-22Y

10. FIELD AND POOL, OR WILDCAT: Undesignated/Green River

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 22, T8S, R17E

12. COUNTY OR PARISH: Duchesne

13. STATE: UTAH

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: Approximately 10.6 miles SE 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: 6,600'

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): GL 5197'

22. APPROX. DATE WORK WILL START*: 12/15/94

23. PROPOSED CASING AND CEMENTING PROGRAM

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

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

NOV 07 1994

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.

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 Bobbie Schuman TITLE Regulatory and Environmental Specialist DATE November 4, 1994

(This space for Federal or State office use)

NOTICE OF APPROVAL

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE ASSISTANT DISTRICT MANAGER MINERALS DATE DEC 7 1994

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

*See Instructions On Reverse Side

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

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Equitable Resources Energy Company

Well Name & Number: Balcron Federal 12-22Y

API Number: 43-013-31476

Lease Number: U-66191

Location: SWNW Sec. 22 T. 8S R. 17E

NOTIFICATION REQUIREMENTS

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

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

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

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

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

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

A. DRILLING PROGRAM

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

Report ALL water shows and water-bearing sands to Tim Ingwell of this office. 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.

The Vernal District Office shall be notified, at least 24 hours prior to initiating the pressure tests, in order to have a BLM representative on location during pressure testing.

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 top of the Mahogany Oil Shale zone identified at ± **3,315 ft.** If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

The Vernal District Office shall be notified at least 24 hours prior to the running and cementing of all casing strings, in order to have a BLM representative on location while running and cementing all casing strings.

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 ± **3,215 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.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried or anchored down from the wellhead to the meter and within 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

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 monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

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

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

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

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

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

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

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

Wayne P. Bankert Petroleum Engineer	(801) 789-4170
Ed Forsman Petroleum Engineer	(801) 789-7077
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 PLAN OF OPERATION
Conditions of Approval (COAs)

Additional Surface Conditions of Approval

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

The operator or his/her contractor shall contact the BLM Office at (801) 789-1362 forty-eight (48) hours prior to construction activities.

The BLM Office shall be notified upon site completion prior to moving on the drilling rig.

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: EQUITABLE RESOURCES

Well Name: BALCRON MONUMENT FEDERAL 12-22Y

API NO. 43-013-31476

Section 22 Township 8S Range 17E County DUCHESNE

Drilling Contractor UNION

Rig # 17

SPUDDED: Date 12/18/94

Time

How ROTARY

Drilling will commence

Reported by ODELL WILLIAMS

Telephone #

Date: 12/16/94 Signed: DLI

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

ENTITY ACTION FORM - FORM 6

OPERATOR: Equitable Resources Energy Company
Balcron Oil Division

OPERATOR ACCT. NO. N 9890

ADDRESS: P.O. Box 21017
Billings, MT 59104
(406) 259-7860

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
A	99999	11717	43-013-31476	Balcron Federal #12-22Y	SW NW	22	8S	17E	Duchesne	12-18-94	12-18-94

WELL 1 COMMENTS: Entity added 12-21-94. fcc
Spud of a new well.

WELL 2 COMMENTS:

WELL 3 COMMENTS:

WELL 4 COMMENTS:

WELL 5 COMMENTS:

RECEIVED
1994
DIV. OF OIL GAS & MINING

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.

DATE: 12-19-94

Bobbie Schuman
Signature

Regulatory & Environmental Specialist
Title

Date

Phone No. (406) 259-7860

(3/89)

12-21-94

Form 3160-5 (June 1990) UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

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

5. Lease Designation and Serial No.: U-66191
6. If Indian, Allottee or Tribe Name: n/a
7. If Unit or CA, Agreement Designation: n/a

1. Type of Well: [X] Oil Well [ ] Gas Well [ ] Other
2. Name of Operator: EQUITABLE RESOURCES ENERGY COMPANY, BALCRON OIL DIVISION
3. Address and Telephone No.: P.O. Box 21017; Billings, MT 59104 (406) 259-7860
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
   SURFACE: SW NW Section 22, T8S, R17E
   TD: 2105' FNL & 660' FWL

8. Well Name and No.: Balcron Federal #12-22Y
9. API Well No.: 43-013-31476
10. Field and Pool, or Exploratory Area: Undesignated / Green River
11. County or Parish, State: Duchesne County, Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
	[ ] Recompletion	[ ] New Construction
[X] Subsequent Report	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
[ ] Final Abandonment Notice	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other Report of spud.	[ ] 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.)*

This well was spud on 12-18-94 at 4 p.m.

RECEIVED
1994
DIV. OF OIL, GAS & MINING

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

Signed Bobbie Schuman Title Regulatory and Environmental Specialist Date 12-19-94

(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

Form 3160-5 (June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
JAN 30 1995
DIV OF OIL, GAS & MINING

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

CONFIDENTIAL

1. Type of Well
   [X] Oil Well [ ] Gas Well [ ] Other
2. Name of Operator
   EQUITABLE RESOURCES ENERGY COMPANY, BALCRON OIL DIVISION
3. Address and Telephone No.
   P.O. Box 21017; Billings, MT 59104 (406) 259-7860
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
   SURFACE: SW NW Section 22, T8S, R17E
   TD: 2105' FNL & 660' FWL

5. Lease Designation and Serial No.
   U-66191
6. If Indian, Allottee or Tribe Name
   n/a
7. If Unit or CA, Agreement Designation
   n/a
8. Well Name and No.
   Balcron Federal #12-22Y
9. API Well No.
   43-013-31476
10. Field and Pool, or Exploratory Area
    Undesignated / Green River
11. County or Parish, State
    Duchesne County, Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[X] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other Report of First Production	[ ] 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.)*

First production was on 1-26-95 @ 4:30 p.m.

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

Signed Bobbie Schuman Title Regulatory and Environmental Specialist Date 1-27-95

(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**

WELL REPORT

43-013-31476

MONUMENT BUTTE FIELD
Balcron Oil 12–22Y Federal
2105' FNL, 660' FWL, Sec. 22, T8S–R17E
Duchesne County, Utah

CONFIDENTIAL

By

DENNIS REHRIG & ASSOCIATES, INC.

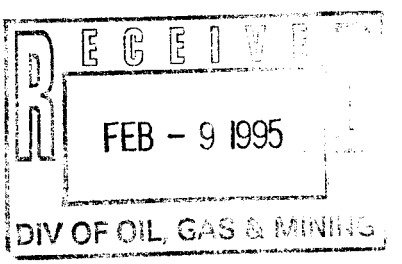
Oil & Gas Consulting

4924 Rimrock Road
Billings, Montana 59106

(406) 656–4785

WELLSITE GEOLOGIST'S REPORT

MONUMENT BUTTE FIELD
Balcron Oil 12-22Y Federal
2105' FNL, 660' FWL, Sec. 22, T8S-R17E
Duchesne County, Utah



DENNIS REHRIG & ASSOCIATES, INC.

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4924 Rimrock Road
Billings, Montana 59106

(406) 656-4785

DENNIS C. REHRIG & ASSOCIATES, INC.
Oil & Gas Exploration
4924 RIMROCK ROAD • BILLINGS, MONTANA 59106 • (406) 656-4785

MONUMENT BUTTE FIELD
Balcron Oil 12-22Y Federal
2105' FNL, 660' FWL, Sec. 22, T8S-R17E
Duchesne County, Utah

TABLE OF CONTENTS

By:
DENNIS C. REHRIG
Consulting Geologist
For:
DENNIS C. REHRIG & ASSOCIATES, INC.

Balcron Oil 12-22Y Federal
2105' FNL, 660' FWL, Sec. 22, T8S-R17E
Duchesne County, Utah

GENERAL REVIEW

The Balcron Oil 12-22Y Federal SW¼NW¼ S-22, T8S-R17E, Duchesne County, Utah was drilled as a development-field extension well in the Monument Butte Field.

This well was supported by subsurface offset well control and drilled for identification of anticipated Douglas Creek and Wasatch Tongue oil sands and possible future water flood.

The surface hole was air drilled and surface casing was set by Rotary Rig No. 17 owned by Union Drilling Co. This well was spudded on December 31, 1994. A two-man mud logging unit was operable at 2700'. The Green River and Douglas Creek formations were penetrated at 1912' and 5243' making them respectively 62' low and 70' low structurally to the 1/2 mile offset Lomax Exploration Co. 11-21 (NE¼SW¼, S-21, T8S-R17E) control well.

This well was drilled to 6600' (Driller) and 6594' (Logger).

Subsequent to log review the operator elected to run production casing for an attempted oil well completion.

The rotary was released 1/12/95.

Respectfully submitted,

DENNIS C. REHRIG

Balcron Oil 12-22Y Federal
2105' FNL, 660' FWL, Sec. 22, T8S-R17E
Duchesne County, Utah

WELL DATA

OPERATOR:	Balcron Oil
LEASE & WELL NO.:	Federal 12-22Y
LOCATION:	2105' FNL, 660' FWL, Sec. 22, T8S-R17E
PROSPECT/FIELD:	Monument Butte Field
COUNTY:	Duchesne
STATE:	Utah
BASIN:	Uintah
WELL TYPE:	Development - Field Extension
BASIS FOR PROSPECT:	Subsurface well control
ELEVATIONS:	G.L. 5192', K.B. 5202'
SPUD DATE:	10:15 AM (MST) 12/31/94 (Rotary)
OUT FROM UNDER SURFACE CASING:	2:15 PM (MST) 1/1/95
DRILLING COMPLETED:	7:30 PM (MST) 1/10/95
LOGGING COMPLETED:	8:30 AM (MST) 1/11/95
RIG RELEASE:	1:30 AM (MST) 1/12/95
TOTAL DAYS SPUD THROUGH LOGGING:	12 days
TOTAL DEPTH:	6,600' (Driller) 6,594' (Logger)
TOTAL DRILLING DAYS:	11 days

HOLE SIZE & CASING:	Hole Size	Casing Size
	12¼" Surface to 420'	8⅝" surface to 404' K.B.
	7⅞" 420' to T.D.	5½" surface to 6584' K.B.
WELL STATUS:	Ran production casing for attempted oil well completion.	
PENETRATION:	77' below top of Uteland Butte LS	
COMPANY DRILLING CONSULTANT:	Al Plunkett	
DRILLING CONTRACTOR:	Union Drilling Co.	
RIG NO.:	17	
TOOLPUSHER:	Dave Gray	
RIG SPECIFICATIONS:	Draw Works – Cabot–Franks, powered by one D–343 Diesel Cat Derrick – Cabot–Franks 97' mast.	
BLOW OUT PREVENTER:	Make: Cameron. Type: 10" x 5000 lbs. Drill Pipe: Size: 4½" OD, 2¼" ID, Thread: XH. BHA: Length 600' approximately, 20 sts Tool joints: 6¼" OD, Type – XH.	
MUD PUMP:	No. 1 – Gardiner–Denver FXN, 14" Stroke, 5½" liner.	
MUD COMPANY:	Anchor Drilling Fluids, Inc. Operator bought products and drilling contractor mixed as needed.	
MUD PROGRAM:	Air/Foam – Surface to 4417' KCl/Water 4417' – Total Depth	
ELECTRIC OPEN–HOLE LOGGING PROGRAM:	Schlumberger Well Services Engineers: Mike Jardon and Paul Beamer Witnessed by: Dennis Rehrig and Al Plunkett – Dual Laterolog w/Caliper, Gamma Ray, SP, and Tension Curve (404'–6579') – Compensated Neutron/Litho–Density with Caliper, Gamma Ray & Tension Curve (4200'–6579')	
LOST CIRCULATION ZONE OR DRILLING PROBLEMS:	Some tight spots tripping out of hole to run E–logs.	
WELLSITE GEOLOGIST:	Dennis C. Rehrig	

SAMPLING PROGRAM:	50' Samples from 2,700'–4,500'. 30' Samples from 4,500'–Total Depth, except caught extra samples through drilling breaks and/or mudlog shows, as necessary.
SAMPLE QUALITY:	Generally fair unless noted otherwise, but had poor samples with much cavings after tripping.
SAMPLE DISPOSITION:	Utah Geological Survey – Salt Lake City, Utah
MUD LOGGING EQUIPMENT:	Northwest Mudlogging Service – two man unit Larry Vodall and Roy Schmoldt.
CORE PROGRAM:	None.
DRILLSTEM TEST:	None.
SURFACE CASING:	8⅝" Maverick, 24 wt, J–55, 9 Jts, from surface – 404' K.B. Surface hole drilled and casing set by rotary rig. Details of cement job unknown.
PRODUCTION CASING:	Ran 156 jts of new 15.5 wt, J–55, 5½" production casing to 6584' K.B., cemented with 130 sxs Lite and tailed with 480 sxs of 50–50 POZ. Plug down @ 9:30 PM 1/11/95.

Balcron Oil 12-22Y Federal
2105' FNL, 660' FWL, Sec. 22, T8S-R17E
Duchesne County, Utah

DAILY DRILLING HISTORY

Daily drilling reports taken primarily from Rig Tower Sheets and supplemented by Drilling Supervisor.
Day commenced at 6:00 AM (MST) day of prior day of report and ends at 6:00 AM (MST) day of report.

Days Since Spud	1995 Date	Depth	Ftg in Last 24 Hrs	Activity (hrs) Drlg	Maint. and Repairs	Other	Bit No.	W O B (M)	RPM	PP	Activity
1	1/1	420'	420'	8.50	0	15.50	1&2	8-10	40	150	Start up rig, clean hole, RU hammer and PU collar, drilling 12¼" hole, plug bit, TOH & TIH, drilling, clean hole, TOH, run 8⅝" casing, RU cementers and cement casing, WOC, slack off, cut casing, weld flange.
2	1/2	1243'	823'	13.25	0	10.75	3	40	60	250	Weld on head, NU BOP, air bowl and choke, pressure test, TIH and blow H_2O, drilling plug shoe and cement, drilling 7⅞" hole, survey, drilling, changed to DP, changed airhead rubber, drilling, survey, drilling.
3	1/3	2395'	1153'	22.00	1.25	0.75	3	38	65	280	Service rig and air, drilling, survey, drilling, survey, drilling, survey, service rig and air, drilling.
4	1/4	3480'	1085'	20.00	1.00	3.00	3	35	65	260	Service rig and air, drilling, clean hole, survey, blow hole, drilling, survey, service rig and air, drilling, work pipe - hole tight, drilling.

Days Since Spud	1995 Date	Depth	Ftg in Last 24 Hrs	Activity (hrs) Drlg	Maint. and Repairs	Other	Bit No.	W O B (M)	RPM	PP	Activity
5	1/5	4430'	950'	20.50	1.50	2.00	3	40	70	850	Service rig and air, drilling, survey, drilling, service rig and air, drilling, clean hole w/soap pump, switch to fluid, load hole, drilling, work on mud pump.
6	1/6	4578'	148'	8.25	14.75	1.00	3	40	70	1050	Drilling, WO mud pump, drilling, survey, WO mud pump, drilling, pull 5 stds, work on mud pump, TIH 5 stds, break circ, wash 30' to bottom, no fill, drilling.
7	1/7	4978'	400'	17.75	0.50	5.75	4	40	70	1000	Drilling, service rig and pumps, drilling, TOH, change bit, TIH, fill pipe and wash 40', ream 15' out of gauge hole, drilling.
8	1/8	5241'	263'	10.5	12.75	0.75	4	40	70	1000	Drilling, service rig and pumps, survey, drilling, change brake blocks and repair kelly latch, drilling.
9	1/9	5819'	578'	22.75	1.00	0.25	4	40	70	1000	Drilling, service rig and pumps, check rams, drilling, survey, service rig and pumps, drilling, service rig and pumps, drilling.
10	1/10	6217'	398'	15.75'	2.00	6.25	4	40	70	1250	Drilling, service rig and pumps, drop carbide for washout, TOH 73 stands thru 79 stands – find 3 bad jts and LD same, put pump on hole, TIH, fill pipe and wash 30' to bottom – no fill, drilling, service rig and pumps, drilling, survey, service rig and pumps, drilling.

Days Since Spud	1995 Date	Depth	Ftg in Last 24 Hrs	Activity (hrs) Drlg	Maint. and Repairs	Other	Bit No.	W O B (M)	RPM	PP	Activity
11	1/11	6600'	383'	13.25	0.25	10.50	4	40	70	1150	Drilling, service rig and pumps, check rams, drilling, circ for E–logs, drop survey, TOH for E–logs, ream tight hole, sweep hole, TOH to log, RU logger and log.
12	1/12	6600'	0	0	0	24.00	–	–	–	–	Logging, RD logger, TIH w/DC and DP (42 stds), LD DP, TIH w/DC and DP, LD DP and DC, RU to run production casing, run 5½" casing.
13	1/13	6600'	0	0	0	7.30	–	–	–	–	Run production casing, RU to cement and cement production casing, pump plug, WOC, release rig at 1:30 AM 1/12/95.

Balcron Oil 12-22Y Federal
2105' FNL, 660' FWL, Sec. 22, T8S-R17E
Duchesne County, Utah

SURVEYS VERTICAL HOLE

Drilling Depth	Degrees
600'	2°
800'	1¾°
1100'	2¼°
1500'	2½°
1650'	2½°
2150'	2½°
2650'	2¼°
3080'	1¼°
3600'	1¼°
4420'	2°
5008'	1½°
5530'	1¼°
6050'	3°
6600'	3°

Balcron Oil 12-22Y Federal
2105' FNL, 660' FWL, Sec. 22, T8S-R17E
Duchesne County, Utah

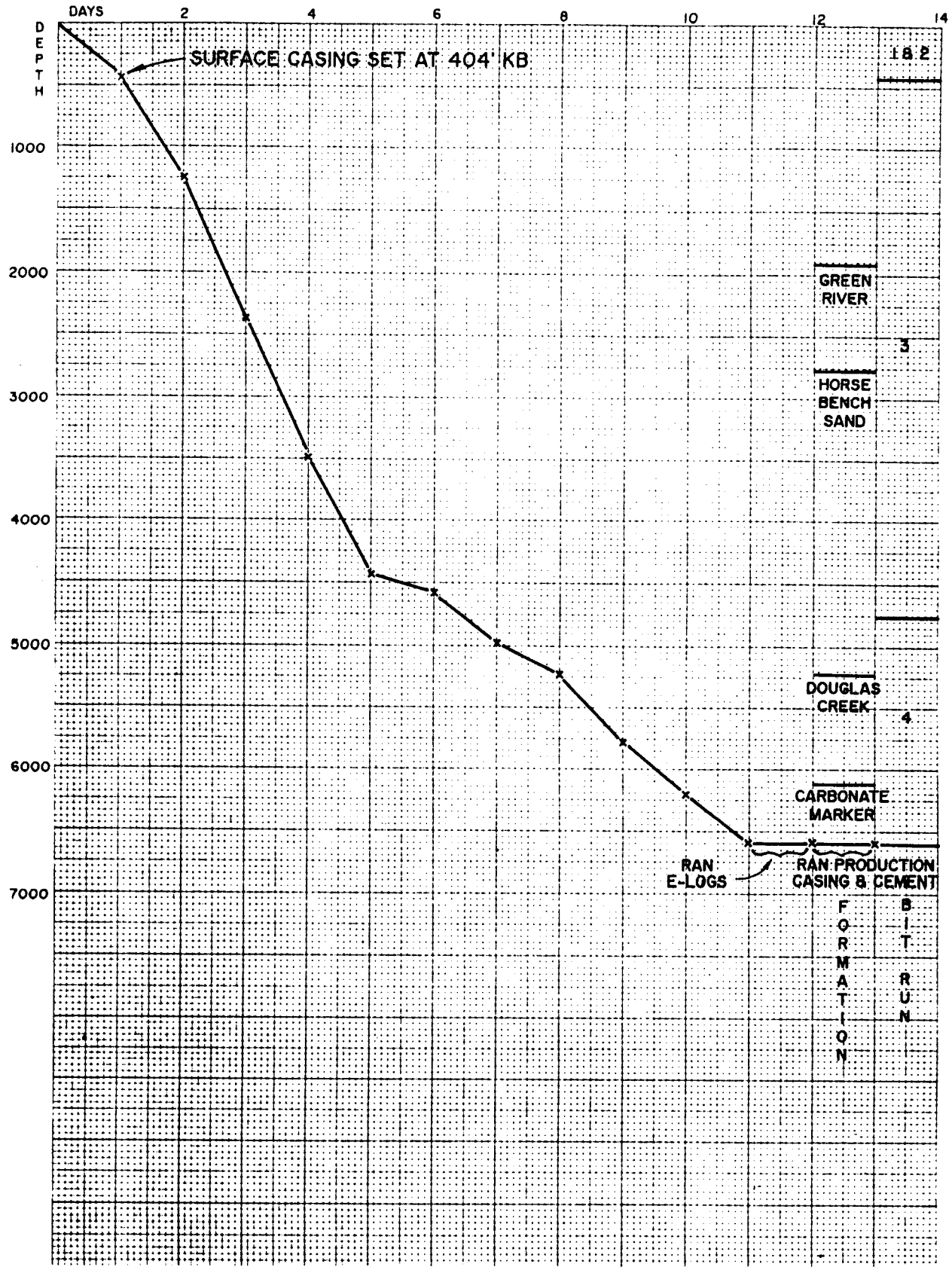
BIT RECORD

Contractor: Union Drilling Co. **Operator:** Balcron Oil **Lease:** Federal **State:** Utah **County:** Duchesne **Sec/T-ship/Range:** SWNW Sec. 22, T8S-R17E	**Rig No.** 17 **Field:** Monument Butte **Well No.** 12-22Y	**Rig Make:** Cabot-Franks **Derrick:** Cabot-Franks 97' mast **Pump #1:** Gardiner-Denver FXN Liner 5½" x 14" Stroke	**Collars:** ODxIDxLength BHA 6" x 2½" x 20 jts (600') **Drill Pipe-Size** 4½" **Tool Joint:** 6¼"	**SPUD** 12/31/94 **Under Surface** 1/1/95 **Total Depth** 1/10/95 **Total Days Drilling** 11	**Toolpusher:** Dave Gray **Day Driller:** Wm. Satterfield **Evening Driller:** Rod Rasmussen **Morning Driller:** Jim Atcheson **Relief Driller:** Chris Chapman **Operators Representative:** Al Plunkett **Mud Type:** Air/Foam 0' to 4417' KCl/Water 4417' to TD

Bit No	Bit Size	Bit Type	Bit Mfg	Serial No of Bit	Jet Size	Depth Out	Ftge	Hours Run	Acc Hours	Ft/Hr	Weight 1000 #	Rotary RPM	Vert. Dev.	Air or Pump Press	% of bit life used	Remarks
1	17"	Smith	FB	NA	-Open-	24	14	1	19	14	4/6	15/20		150	60%	WRR
2	12¼"	Smith	FB	N/A	-Open-	420	396	6.5	108.5	61	8/12	15/25	2°	150/200	60%	WRR
3	7⅞"	Smith	F47H	LB5881	16 16 16	4758	4338	70	70	62	40	70/75	2°	900/1050	100%	Junk
4	7⅞"	HTC	ATJ-44	U54WW	13 13 13	6600'	2262	62.5	62.5	36	40	70/75	3°	1000/1150	100%	Junk

BALCRON OIL 12-22Y FEDERAL
2105' FNL 660' FWL, SECTION 22, T 8 S-R 17 E
DUCHESNE COUNTY, UTAH

TIME / DEPTH PENETRATION CURVE



Balcron Oil 12-22Y Federal
2105' FNL, 660' FWL, Sec. 22, T8S-R17E
Duchesne County, Utah

FORMATION TOPS

ELEVATIONS: G.L. 5192', K.B. 5202'

FORMATION	E-Log Top	Subsea Datum	Structural Relationship To Reference Well *
Green River	1912'	(+3290')	62' Low
Horsebench Sand	2758'	(+2444')	78' Low
2nd Garden Gulch	4438'	(+ 764')	72' Low
Yellow Marker	5077'	(+ 125')	76' Low
Douglas Creek	5243'	(- 41')	70' Low
2nd Douglas Creek Mkr	5517'	(- 315')	78' Low
Green Marker	5664'	(- 462')	65' Low
Carbonate Marker	6112'	(- 910')	NDE
Uteland Butte LS	6517'	(-1315')	NDE
TOTAL DEPTH:	6594' Logger		

* Reference Well:

Lomax Exploration Co. 11-21 Boundry Federal
NE¼SW¼ Sec. 21, T8S-R17E
Duchesne County, Utah

Note: Correlations and nomenclature that provided and used by operator.

Balcron Oil 12-22Y Federal
2105' FNL, 660' FWL, Sec. 22, T8S-R17E
Duchesne County, Utah

REFERENCE WELL E-LOG FORMATION BOREHOLE AND SUBSEA DATUMS

Lomax Exploration Co.
11-21 Boundry Federal
NE¼SW¼ Sec. 21, T8S-R17E
Duchesne County, Utah

K.B. 5252'

Formation		
Green River	1900'	(+3352')
Horsebench	2730'	(+2522')
2nd Garden Gulch	4416'	(+ 836')
Yellow Marker	5051'	(+ 201')
Douglas Creek	5223'	(+ 29')
2nd Douglas Creek Mkr	5489'	(- 237')
Green Marker	5649'	(- 397')
Carbonate Marker	NDE	
Uteland Butte LS	NDE	
TOTAL DEPTH	6002' (Logger)	

NOTE: Correlations and nomenclature that provided and used by operator.

Balcron Oil 12-22Y Federal
2105' FNL, 660' FWL, Sec. 22, T8S-R17E
Duchesne County, Utah

SIGNIFICANT GAS KICKS
Information from Mudlogger

Formation	Sample (from Depth (Mudlog)	Time Before-During-After Min/Ft	Total Gas Before-During-After Hotwire
2nd Garden Gulch	4440' - 4445'	3.2 - 2.0 - 2.6	2 - 14 - 4
2nd Garden Gulch	4499' - 4504'	4.0 - 1.5 - 4.5	20 - 300 - 20
2nd Garden Gulch	4544' - 4556'	3.0 - 1.0 - 2.5	20 - 220 - 24
2nd Garden Gulch	4577' - 4579'	3.0 - 1.8 - 3.5	20 - 230 - 40
2nd Garden Gulch	4674' - 4676'	2.0 - 1.8 - 2.8	30 - 104 - 60
2nd Garden Gulch	4684' - 4688'	3.0 - 2.0 - 2.5	40 - 160 - 40
2nd Garden Gulch	4716' - 4718'	3.2 - 2.5 - 2.8	30 - 160 - 60
2nd Garden Gulch	4770' - 4782'	3.0 - 2.0 - 3.0	50 - 200 - 80
2nd Garden Gulch	4790' - 4812'	3.0 - 2.2 - 2.5	80 - 200 - 160
2nd Garden Gulch	4812' - 4826'	2.5 - 1.2 - 4.0	120 - 700 - 120
Douglas Creek	5288' - 5292'	2.0 - 0.8 - 2.2	160 - 1040 - 200
Douglas Creek	5354' - 5360'	1.8 - 0.5 - 2.0	400 - 1040 - 240
Douglas Creek	5476' - 5490'	3.2 - 1.5 - 2.5	180 - 760 - 300
Carbonate Marker	6158' - 6178'	3.6 - 1.4 - 2.6	300 - 1480 - 400
Carbonate Marker	6234' - 6270'	3.2 - 1.0 - 2.7	200 - 1600 - 680

NOTE: There is no inference that all these zones are productive, but rather the point is that gas shows were observed and usually in conjunction with sandstone present in samples. It is suggested that the operator note these zones in conjunction with other data from this well.

POTENTIAL SANDSTONE ZONES
Provided by Wellsite Geologist

E-Log Depth (Compensated Neutron - Litho Density Log)

4442'-4446'	PEF indicates this is LS but saw SS in samples w/show, fairly low resistivity.
4498'-4502'	Cross-over, relatively high gamma ray
4536'-4554'	Some Shale stringers
4712'-4720'	No Sandstone or shows in samples
4766'-4773'	No good drilling break
4804'-4817'*	Good porosity and high resistivity
5279'-5285'	Slight cross-over
5348'-5354'*	Good porosity and high resistivity
5472'-5483'*	Acceptable porosity and high resistivity
6150'-6170'*	Acceptable porosity and resistivity
6220'-6250'*	Acceptable porosity and resistivity
6276'-6282'	Acceptable porosity and borderline resistivity

* Likely most prospective zones

NOTE: Sandstone generally seen in samples, but not always due to sample quality or thinness of sandstone in some cases.

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Duchesne County, Utah

SAMPLE DESCRIPTIONS

By: Dennis C. Rehrig

All samples caught by Mud Loggers and lagged from 2700' to Total Depth. Samples were examined wet, under reflected light and 3x magnification from 2700' to total depth, for porosity identification samples were dried. Sample descriptions generally tie well to drill time log. Sample quality was fair unless stated otherwise in descriptions. All sample descriptions are interpretive and not tied to E-logs.

2700-50 Dolomite-Limy Dolomite - tan-medium to dark brown, commonly mahogany, microcrystalline, moderately firm, commonly pyritic, generally slightly-moderately carbonaceous, occasionally highly carbonaceous, slightly argillaceous in part.

2750-2800 Dolomite-Limy Dolomite - generally grayish tan-medium to dark brown, microcrystalline, moderately firm, commonly pyritic, slightly-moderately carbonaceous, slightly argillaceous in part.

2800-50 Shale - light tan, slightly silty in part, slightly calcareous, some specks of carbonaceous material in part, occasionally pyritic.

Sandstone - very fine-fine grained, milky-clear, generally well-moderately well consolidated, moderately-poorly sorted, generally sub-angular to angular, generally appears tight, commonly dark brown-black carbonaceous material, frequently ranges to Siltstone, frequently spotty medium-dark brown oil stain, dull gold fluorescence, fair-good dull yellow streaming-ring cut, some black-dark gray lithic fragments and microcrystalline disseminated Pyrite.

2850-2900 Shale - cream to light tan to light gray, slightly-moderately calcareous, moderately soft-moderately firm, silty in part, frequently pyritic.

Some Siltstone - clear-milky, slightly argillaceous, slightly calcareous.

2900-50 Shale - tan, occasionally light brown, moderately firm-frequently moderately soft, slightly calcareous, silty in part, occasionally slight specks of carbonaceous material.

Sandstone – generally very fine grained, frequently ranging to Siltstone, commonly loose very fine–fine Quartz grains, some sub–round to sub–angular and frosted. Generally clear–milky, moderately unconsolidated, moderately well sorted, generally sub–angular to sub–round, probably some fair–good porosity, NSFOC.

2950–3000 Shale – dark brown–dark grayish brown, slightly black in part, moderately soft–moderately firm, moderately–highly carbonaceous, slightly calcareous, frequently in contact with clear spar Calcite, frequently light tan–light brown Shale as above.

3000–50 Shale – as above.

Dolomite–Limy Dolomite – medium–dark brown to mahogany, microcrystalline, moderately firm, slightly–moderately carbonaceous, slightly argillaceous in part, trace Pyrite.

3050–3100 Shale – dark brown–brownish black, moderately firm, slightly–moderately calcareous, moderately–highly calcareous, some cream–light tan Shale.

Dolomite–Limy Dolomite – tan–medium brown, microcrystalline, moderately firm, slightly argillaceous in part, some clear–amber spar Calcite, dense.

3100–50 Limy Dolomite – medium brown–gray brown to tan, microcrystalline, moderately firm, slightly–moderately argillaceous in part, slightly–moderately carbonaceous in part, frequently clear–amber spar Calcite, some Pyrite, dense.

Some Shale – dark gray–gray black, silty–sandy in part, slightly calcareous, moderately–highly carbonaceous, trace dark brown specks oil stain with dull gold fluorescence and fair dull yellow milky cut.

NOTE: Many source rock shales in section yield stain, fluorescence and cut and from here on only shows in Siltstone–Sandstone rock will be reported. Unless other observed shows are out of the ordinary in shales or carbonates.

3150–3200 Dolomite–Limy Dolomite – medium–dark brown, frequently grayish brown–tan, microcrystalline, moderately soft–moderately firm, slightly argillaceous in part, occasionally clear–amber spar Calcite, slightly–medium carbonaceous in part, frequently pyritic.

3200–50 Dolomite–Limy Dolomite – medium–dark brown–grayish brown, occasionally tan, moderately–highly pyritic, slightly–moderately argillaceous, moderately soft–moderately firm, slightly–moderately carbonaceous in part, trace algal laminae, some spar Calcite.

Some Shale – dark gray–grayish black, moderately soft, slightly calcareous, moderately–highly carbonaceous, petroliferous in part.

3250–3300 Shale – dark brown–grayish black, orangish tan in part, moderately firm, commonly algal laminae, slightly calcareous, moderately–highly carbonaceous.

Dolomite–Limy Dolomite – medium–dark brown occasionally tan, microcrystalline–occasionally cryptocrystalline, moderately firm–firm, slightly argillaceous in part, slightly carbonaceous in part, some clear–amber siliceous rock, hard, brittle, moderately–highly pyritic.

3300–50 Dolomite–Limy Dolomite – medium–dark brown to grayish brown, frequently tan, moderately firm, slightly argillaceous in part, slightly–moderately carbonaceous in part, trace siliceous rock as above.

Shale – dark gray–grayish black, orangish tan, moderately firm–moderately soft, slightly calcareous, moderately carbonaceous, some algal laminae.

3350–3450 Dolomite–Argillaceous Dolomite – tan–medium to dark brown–mahogany, moderately firm–firm, slightly–moderately argillaceous in part, slightly–moderately carbonaceous siliceous in part with Pyrite.

Some Shale – dark brown to gray black to mahogany, moderately firm–moderately soft, moderately–highly carbonaceous, frequently algal laminae, slightly calcareous, some light gray–grayish tan Shale, blocky, hard, slightly–moderately calcareous, commonly silty– siltstone, moderately–highly pyritic.

3450–3500 Dolomite–Limy Dolomite – tan–light brown, microcrystalline–cryptocrystalline, moderately firm, slightly argillaceous–slightly silty in part, slightly carbonaceous in part.

Siltstone ranging to very fine grained Sandstone – milky–clear, moderately well consolidated, frequently loose very fine–fine sub–angular Quartz grains, slightly calcareous, some carbonaceous and lithic fragments, trace Glauconite, frequently pyritic, no apparent porosity, NSFOC.

3500–50 Shale – light gray–tan, moderately firm–moderately soft, slightly calcareous, slightly carbonaceous, silty in part, abundant microcrystalline disseminated Pyrite.

Some very fine grained Sandstone ranging to Siltstone – milky to clear, moderately well consolidated, some loose very fine grained Quartz grains, slightly calcareous in part, sub–angular to sub–round, moderately well sorted, some Pyrite, NSFOC.

3550–3600 Shale – light gray–tan, generally as above with more specks of carbonaceous material, silt and some Glauconite.

Sandstone ranging to Siltstone generally as above, slightly more dirty, slightly argillaceous in part, some specks carbonaceous material, lithic fragments and Glauconite, frequently pyritic.

3600–50 Dolomite–Argillaceous Dolomite – tan occasionally medium–dark brown to mahogany, cryptocrystalline–microcrystalline, moderately firm–moderately soft, slightly–moderately carbonaceous, slightly–moderately argillaceous, occasionally algal laminae, trace Pyrite.

Some Shale – dark brown to brownish black to dark mahogany, moderately soft, slightly calcareous in part, highly carbonaceous, some Pyrite.

3650–3700 Dolomite–Argillaceous Dolomite as above.

Shale – medium–dark brown to brownish black to black, slightly–moderately calcareous, sub–fissile in part, moderately firm–moderately soft, slightly–highly carbonaceous, some Pyrite.

3700–50 Shale – light gray to buff, moderately soft, slightly calcareous, slightly carbonaceous in part, silty in part, frequently pyritic.

Some Siltstone ranging to very fine grained Sandstone – milky–clear, moderately well consolidated, some loose very fine–fine Quartz grains, slightly calcareous, slightly argillaceous in part, sub–angular to sub–round, moderately well sorted, slightly pyritic, NSFOC.

3750–3800 Shale and Siltstone–Sandstone as above.

Dolomite–Limy Dolomite – tan to light–medium brown, microcrystalline–occasionally cryptocrystalline, moderately firm, slightly silty–argillaceous in part, slightly carbonaceous in part, some Pyrite.

3800–50 Dolomite–Argillaceous Dolomite – tan to light–medium brown, moderately firm–moderately soft, slightly argillaceous in part, slightly–moderately carbonaceous in part, occasionally Pyrite.

3850–3900 Dolomite–Limy Dolomite – tan–light brown, cryptocrystalline–frequently microcrystalline, moderately firm–moderately soft, slightly carbonaceous in part.

Some Shale – light gray–moderately soft, slightly calcareous, silty in part, slightly carbonaceous in part.

Some Siltstone ranging to very fine grained Sandstone – milky–clear, generally moderately well consolidated, slightly carbonaceous, some loose very fine Quartz grains, commonly pyritic, NSFOC.

3900–50 Dolomite–Limy Dolomite – tan to light–medium brown as above.

3950–4000 Limy Dolomite–Dolomite – buff–tan, moderately firm–moderately soft, generally cryptocrystalline, slightly carbonaceous in part, frequently pyritic.

4000–50 Limestone–Dolomitic Limestone – buff–light tan, slightly argillaceous in part, microcrystalline, moderately soft.

Shale – medium gray–grayish tan, moderately firm, slightly calcareous in part, frequently pyritic, slightly–moderately carbonaceous.

4050–4100 Siltstone ranging to very fine grained Sandstone – milky–clear, generally well consolidated, slightly calcareous, tight, NSFOC, some Pyrite.

Shale – light gray, slightly calcareous, silty in part, moderately firm–moderately soft, slightly carbonaceous in part, some Pyrite.

Limestone–Dolomitic Limestone – as above.

4100–50 Shale – light–medium gray, frequently grayish tan, moderately soft, slightly–moderately calcareous, silty in part, slightly carbonaceous, frequently pyritic.

Some Siltstone, milky–clear, slightly calcareous, slightly argillaceous in part, slightly carbonaceous in part, frequently pyritic.

4150–4200 Shale as above, also Shale – medium–dark brown to orangish tan, occasionally brownish black, moderately firm–moderately soft, very slightly calcareous in part, generally highly carbonaceous.

4200–50 Shale as above.

Some Limy Dolomite–Dolomite – buff–tan, cryptocrystalline–microcrystalline, moderately firm, slightly carbonaceous in part.

4250–4300 Shale – medium–dark gray to brownish gray, moderately firm–moderately soft, slightly–moderately calcareous, sub–blocky in part, moderately–highly carbonaceous, frequently pyritic.

Limestone–Dolomitic Limestone – buff to light tan, cryptocrystalline–frequently microcrystalline, moderately soft, slightly argillaceous in part, slightly carbonaceous in part.

4300–50 Shale – medium–dark gray, brownish gray, orangish tan, moderately firm–moderately soft, slightly calcareous in part, sub–blocky in part, moderately–highly carbonaceous, some Pyrite.

Some Limestone–Dolomitic Limestone as above.

4350–4400 Shale – light gray–very faint emerald tinge, moderately firm, silty in part, slightly pyritic in part, slightly calcareous, very slightly carbonaceous in part.

Limestone–Dolomitic Limestone as above.

Some Siltstone, milky–clear, slightly calcareous in part, slightly argillaceous in part, occasionally very fine grained Sandstone, moderately well consolidated, trace Mica, occasionally specks of carbonaceous material.

4400–17 Shale as above – plus medium gray to brownish gray.

Siltstone as above.

Some Limestone–Dolomitic Limestone as above.

Switch from air/foam drilling to KCl/water at 4417'.

4417–50 Much cavings, sample questionable.

Trace Sandstone very fine grained dark brown oil stain, no fluorescence, good immediate bright yellow streaming cut, moderately well–well sorted, slightly friable, sub–round, fair–good porosity. Commonly dark brown globules of oil on cuttings. This is first significant oil show in well.

4450–4500 Much cavings, sample questionable. Mixture of Shale, Siltstone, Limestone and Dolomitic Limestone, frequently dark brown oil globules on cuttings.

4500–4504 Sandstone – very fine grained ranging to Siltstone – milky–very light brown, moderately well consolidated, moderately sorted, sub–angular to sub–round, slightly calcareous, slightly argillaceous in part, trace Glauconite and lithic fragments, some fair intergranular porosity, spotty–very light brown oil stain, dull gold–yellow fluorescence, fair bright yellow burst–ring cut.

4504–30 Dolomitic Limestone–Limestone – orangish brown–tan occasionally yellowish tan, microcrystalline–cryptocrystalline, generally moderately firm, slightly–carbonaceous in part.

Shale – cream–light gray, moderately soft, slightly–moderately calcareous, silty in part, commonly microcrystalline disseminated Pyrite, slightly carbonaceous.

Siltstone ranging to very fine grained Sandstone – milky–light gray, generally peppered with carbonaceous material and lithic fragments, some Glauconite and Mica, abundant Pyrite, poorly sorted, slightly–moderately calcareous, slightly–moderately argillaceous, tight, generally NSFOC.

4530–60 Sandstone very fine grained ranging to Siltstone – milky–light brown, moderately well consolidated, moderately well sorted, sub–angular to sub–round, slightly calcareous, slightly argillaceous in part, trace Glauconite, some carbonaceous material and lithic fragments, some fair intergranular porosity, generally spotty medium–dark brown oil stain on grain contacts ranging to even very light brown oil stain, very faint dull gold fluorescence in part, fair bluish yellow streaming–ring cut.

Shale and Dolomitic Limestone–Limestone as above.

4560–90	Limestone–occasionally Dolomitic Limestone generally buff–tan, microcrystalline, moderately firm, slightly argillaceous, slightly carbonaceous in part, trace of ostracods and other very fine assumed fossil fragments.
4590–4620	Limestone occasionally Dolomitic Limestone as above, occasionally Pyrite.
	Shale – light–medium gray, occasionally mottled with white, moderately soft–moderately firm, slightly–moderately calcareous, slightly carbonaceous, frequently silty.
4620–50	Limy Dolomite–Dolomite – orangish brown, tan–medium brown, microcrystalline, moderately firm, moderately carbonaceous.
	Shale as above.
	Some Limestone – buff–tan–medium brown, microcrystalline–cryptocrystalline, moderately firm–moderately soft, slightly carbonaceous, slightly argillaceous in part.
4650–80	Limestone–Dolomitic Limestone – buff–tan–light to medium brown, microcrystalline–cryptocrystalline, moderately firm, slightly–moderately argillaceous in part, some clear spar Calcite.
	Some Limy Dolomite–Dolomite as above.
	Some Shale – dark brown, moderately firm, sub–blocky, moderately calcareous, moderately–highly carbonaceous.
4680–4710	Limy Dolomite–Dolomite – orangish brown to medium brown, microcrystalline, moderately firm, slightly–moderately carbonaceous.
	Shale – cream–pale emerald, moderately firm, slightly calcareous, sub–blocky.
	Some Limestone – buff–tan, microcrystalline–cryptocrystalline, generally moderately firm, some clear spar Calcite. Some pellets and/or oolites, trace ostracods.
4710–40	Shale – light–medium gray, frequently very faint emerald, occasionally cream, generally moderately soft, slightly–moderately calcareous, slightly carbonaceous in part, slightly silty in part.

Limestone–Dolomitic Limestone – buff–tan, microcrystalline, moderately soft–moderately firm, slightly argillaceous in part, trace ostracods.

Dolomite–Limy Dolomite – orangish brown to medium brown, micro–crystalline–cryptocrystalline, slightly–moderately carbonaceous, moderately firm–occasionally moderately soft.

TOH @ 4758' for bit.

4740–70 Shale – light–medium gray occasionally cream, sub–blocky to sub–platy in part, moderately calcareous, moderately soft, frequently specked with carbonaceous material, silty in part, frequently pyritic.

Some Siltstone occasionally ranging to very fine grained Sandstone – milky–light gray occasionally white, well consolidated, slightly calcareous, generally slightly–moderately calcareous, some carbonaceous material, commonly pyritic, tight, NSFOC.

4770–4800 Shale – cream–light gray mottled–streaked with carbonaceous material and Pyrite, moderately soft, slightly calcareous, also light–medium gray, slightly emerald as above.

Limestone and Dolomite–Limy Dolomite as above.

Some Sandstone very fine grained commonly ranging to Siltstone, generally well consolidated, moderately well sorted, sub–angular to sub–round, slightly calcareous, slightly argillaceous, commonly pyritic, generally light–medium brown oil stain, dull yellow fluorescence in part, weak bluish–yellow diffuse milky cut, poor intergranular porosity. Doesn't appear to be prospective reservoir.

4800–30 Sandstone very fine grained ranging to Siltstone, commonly light–medium brown, moderately well consolidated, moderately sorted, sub–angular to sub–round, slightly calcareous, slightly argillaceous, some fair–good intergranular porosity, slightly carbonaceous material in part, generally light brown even oil stain, dull yellow fluorescence and weak diffuse milky cut–weak slow bleeding cut. Extremely fine grained, if E–logs confirm acceptable porosity, then this Sandstone may be commercial.

Some Shale – cream to light gray commonly mottled as above, also light–medium gray with specks of carbonaceous material as above.

4830–60	Shale – medium–dark brown to dark grayish brown, generally moderately soft–occasionally moderately firm, sub–blocky, occasionally sub–platy, slightly–moderately calcareous, moderately–highly carbonaceous.
4860–90	Shale – light gray, occasionally medium gray, moderately soft, slightly calcareous, slightly carbonaceous, occasionally pyritic, silty in part, some Shale as above.
	Some Sandstone very fine grained ranging to Siltstone, clear–milky, consolidated, firm–hard, slightly calcareous–slightly argillaceous, commonly pyritic, some carbonaceous material, NSFOC.
4890–4950	Shale – dark brownish gray, frequently orangish brown, moderately soft, slightly–moderately calcareous, sub–blocky, occasionally microcrystalline disseminated Pyrite, highly carbonaceous.
4950–80	Shale – grayish black, generally orangish–bronze cast, sub–platy, slightly–moderately calcareous, moderately soft, slightly–moderately calcareous, moderately–highly carbonaceous, frequently pyritic.
4980–5040	Shale – light–medium gray, occasionally brownish gray–cream, occasionally mottled, moderately soft–frequently moderately firm, slightly–moderately carbonaceous, slightly carbonaceous in part, frequently pyritic, silty in part.
	Siltstone ranging to very fine grained Sandstone – clear–milky–white, moderately well consolidated, slightly–moderately calcareous, some specks of carbonaceous material and lithic fragments, trace Glauconite – dense, slightly argillaceous in part, NSFOC, some Pyrite.
	Some Dolomite–Limy Dolomite – orangish brown, microcrystalline, moderately firm, slightly–moderately carbonaceous.
	Trace Limestone – buff–tan–light brown, cryptocrystalline–microcrystalline, moderately firm, slightly argillaceous in part, trace ostracods.
5040–70	Shale – brownish black–dark brown, commonly bronze cast, soft and pliable, fissile–platy, slightly calcareous, frequently pyritic, moderately–highly carbonaceous.
	Limestone and Dolomite–Limy Dolomite as above.

5070–5100 Shale – light–medium gray, frequently cream and mottled to brownish gray, moderately soft, slightly–moderately calcareous, slightly–moderately carbonaceous, commonly silty, some Pyrite.

Some Siltstone, Limestone and Dolomite–Limy Dolomite as 4980–5040 above.

NOTE: Shut down over 12 hours @ 5087' working on drawworks brakes.

5100–30 Shale – generally medium gray, frequently brownish gray, light gray to cream, slightly calcareous, slightly–moderately carbonaceous, frequently black specks of carbonaceous material, moderately soft–moderately firm, sub–blocky, occasionally pyritic.

Some Siltstone, Limestone and Dolomite–Limy Dolomite as 4980–5040 above.

5130–60 Shale – generally light–medium gray, moderately soft, slightly calcareous, slightly carbonaceous in part, sub–blocky in part, frequently pyritic.

Limestone – buff–clear–tan–light gray, frequently mottled, generally many ostracods, microcrystalline, moderately firm–firm, some spar Calcite, slightly carbonaceous in part, dense.

Some Dolomite–Limy Dolomite – orangish brown, microcrystalline, moderately firm, dense, slightly carbonaceous, slightly argillaceous in part.

5160–90 Shale – generally medium gray, occasionally light gray to cream, frequently mottled–peppered with carbonaceous material, slightly–moderately calcareous, moderately soft, sub–blocky in part.

5190–5220 Shale – light gray to cream to occasionally medium gray, moderately soft, slightly–moderately calcareous, commonly specked–streaked with carbonaceous material, silty in part, sub–blocky in part, some Pyrite.

Siltstone frequently ranging to very fine grained Sandstone – milky–white, well consolidated, slightly calcareous, frequently peppered with carbonaceous material and some Pyrite, dense, slightly argillaceous in part, NSFOC.

Some Dolomite–Limy Dolomite as above.

5220–50 Shale – light–medium gray to brownish gray, occasionally cream frequently specked with carbonaceous material, moderately soft, slightly–moderately calcareous, silty in part.

Some Siltstone ranging to very fine grained Sandstone as above.

5250–80 Shale – dark brown–dark grayish brown, frequently slightly bronze cast, moderately soft, slightly–moderately calcareous, moderately–highly carbonaceous.

Some Limestone and Dolomite–Limy Dolomite as above.

5280–5294 Shale – light–medium gray, frequently brownish gray–cream, moderately firm–moderately soft, slightly–moderately calcareous, slightly carbonaceous in part, frequently pyritic.

Limestone – buff–tan, microcrystalline, moderately soft–moderately firm, slightly silty in part, slightly pyritic in part, some specks of carbonaceous material.

Some Sandstone very fine grained ranging to Siltstone – clear–milky to light brown in part, moderately well consolidated, moderately–poorly sorted, sub–angular to sub–round, slightly calcareous, slightly argillaceous in part, some poor–fair intergranular porosity, spotty–light even brown oil stain, bright yellow cut, weak diffuse bluish yellow cut. Weak cut and questionable reservoir quality, but if E–logs confirm sufficient porosity, then could be commercial.

5294–5310 Shale as above.

Limestone – buff–tan, microcrystalline–cryptocrystalline, moderately firm, some clear spar Calcite, dense, slightly argillaceous in part.

Some Dolomite–Limy Dolomite – generally orangish brown–yellowish tan, slightly argillaceous in part, slightly–moderately carbonaceous, micro–crystalline, moderately firm–moderately soft, dense.

5310–40 Shale, Dolomite–Limy Dolomite as above.

Some Sandstone very fine–fine grained ranging to Siltstone, milky–light gray, well consolidated, generally poorly sorted, slightly–moderately calcareous,

slightly–moderately carbonaceous, frequently carbonaceous material–lithic fragments, frequently pyritic, sub–round to sub–angular, dense, NSFOC.

5340–60 Sandstone very fine grained ranging to Siltstone – generally light brown, moderately well consolidated, slightly friable in part, moderately well sorted, slightly calcareous in part, sub–angular to sub–round, some fair intergranular porosity, generally even light–medium brown oil stain, dull gold fluorescence, weak diffuse bluish–yellow oozing cut. Probably commercial if porosity good enough on logs.

Shale – light–medium gray to cream, frequently specked–streaked with carbonaceous material and Pyrite, moderately soft, slightly calcareous.

Limestone and Dolomite–Limy Dolomite as above.

5360–70 Shale, Limestone and Dolomite–Limy Dolomite as above, but less Sandstone than above.

5370–5400 Dolomite–Limy Dolomite – orangish brown–yellowish tan, microcrystalline–cryptocrystalline, moderately firm–moderately soft, slightly argillaceous in part, slightly carbonaceous in part, dense.

Shale – light–medium gray–slightly emerald, occasionally cream, frequently mottled–streaked with carbonaceous material and Pyrite, moderately soft, slightly–moderately calcareous.

Some Siltstone ranging to very fine grained Sandstone – milky–light gray, frequently mottled–specked with carbonaceous material, slightly calcareous, slightly argillaceous, generally well consolidated, poorly–moderately sorted, frequently Pyrite, tight, NSFOC.

5400–30 Shale and Dolomite–Limy Dolomite as above.

5430–60 Shale – light–medium gray frequently cream, commonly specked–streaked with carbonaceous, slightly–moderately calcareous, moderately soft, silty in part, some Pyrite.

Dolomite–Limy Dolomite – orangish brown, microcrystalline, moderately firm–moderately soft, slightly argillaceous in part, slightly–moderately carbonaceous.

Some Siltstone ranging to very fine grained Sandstone – milky–light gray, generally well consolidated, dense, slightly calcareous, slightly argillaceous in part, moderately sorted, frequently carbonaceous material and lithic fragments, commonly pyritic, NSFOC.

5460–90 Sandstone very fine–fine grained occasionally ranging to Siltstone – very faint tan–milky, moderately well consolidated–slightly friable, moderately–well sorted, sub–angular to sub–round, slightly calcareous, generally clean, fair–good intergranular porosity, generally very light tan oil stain, bright yellow fluorescence and fair bright yellow slow bleeding cut.

Although stain is not strong, this is best looking reservoir in well to this point with fair cut, should be commercial.

Some Shale and Dolomite–Limy Dolomite as above.

5490–5520 Shale – medium gray–tannish gray, moderately firm, slightly–moderately calcareous, slightly carbonaceous, sub–blocky in part, some Pyrite.

5520–50 Shale – dark gray–dark brownish gray, occasionally grayish black–black, some bronze cast, moderately firm–moderately soft, sub–blocky in part, slightly calcareous, moderately–highly carbonaceous.

5550–80 Shale – medium–dark gray to brownish gray, moderately soft–moderately firm in part, slightly–moderately calcareous, slightly carbonaceous, some Pyrite.

5580–5610 Shale – generally dark gray–dark brownish gray, moderately soft, sub–blocky, slightly–moderately carbonaceous.

Some Limestone – buff–light tan, microcrystalline, moderately soft–moderately firm, frequently clear–milky spar Calcite, dense, slightly argillaceous in part.

5610–40 Shale – generally medium gray, frequently dark gray–dark brownish gray–light gray, moderately soft, sub–blocky in part, slightly carbonaceous, occasionally pyritic.

Some Dolomite–Limy Dolomite – orangish brown–yellowish tan in part, slightly–moderately carbonaceous, moderately firm–moderately soft, slightly argillaceous in part, dense, microcrystalline–cryptocrystalline.

5640–70 Shale – generally light–medium gray, moderately soft, slightly–moderately calcareous, sub–blocky in part, slightly–moderately carbonaceous, frequently pyritic, some black–grayish black Shale, moderately firm–firm, brittle in part, sub–blocky, slightly calcareous, much microcrystalline Pyrite.

5670–5700 Shale – black–dark gray with bronze cast, generally soft, frequently firm and brittle, slightly–moderately calcareous, moderately–highly carbonaceous, likely best source rock in well to this point, sub–blocky to sub–platy, some Pyrite.

5700–60 Shale ranges from cream–light gray to medium–dark gray–dark brownish gray, generally moderately soft, slightly–moderately calcareous, frequently pyritic, slightly–moderately carbonaceous, sub–blocky in part.

5760–90 Shale – cream–light gray occasionally medium gray, frequently specked–streaked with carbonaceous material, soft–moderately soft, slightly–moderately calcareous, frequently silty, sub–blocky.

Sandstone very fine grained ranging to Siltstone – milky–light brown in part, generally moderately–poorly sorted, slightly calcareous, slightly–moderately argillaceous, generally well consolidated, sub–angular to sub–round, some poor intergranular porosity, some spotty light brown oil stain, dull yellow fluorescence, and very weak bluish yellow diffuse milky cut. Rocks appear too tight to be prospective.

5790–5810 Shale – generally medium gray frequently light–dark gray, moderately soft–moderately firm in part, slightly–moderately calcareous, slightly–moderately carbonaceous, frequently pyritic, sub–blocky in part.

5810–20 Shale – cream–light gray commonly specked–streaked with carbonaceous material and Pyrite, generally soft, slightly–moderately calcareous, some light–medium gray as 5790–5810 above.

Dolomite–Limy Dolomite – orangish brown–yellowish tan, cryptocrystalline–microcrystalline, moderately firm occasionally moderately soft, slightly carbonaceous, slightly argillaceous in part, dense.

5820–50 Shale – dark grayish black to black, frequently with bronze cast, moderately soft–moderately firm, very slightly calcareous, moderately–highly carbonaceous, sub–blocky to sub–platy, frequently pyritic.

5850–80	Dolomite–Limy Dolomite – tan–yellowish tan to orangish brown to occasionally medium brown, microcrystalline–cryptocrystalline, moderately firm–moderately soft, slightly argillaceous in part, slightly–moderately carbonaceous, dense.
	Sample highly mixed and quality is questionable.
	TOH @ 5881' for wash out in drill pipe.
5880–5910	Sample highly mixed, quality questionable.
5910–40	Dolomite–Limy Dolomite as 5850–80 above.
	Shale – cream–light gray frequently specked with carbonaceous material, moderately soft, slightly–moderately carbonaceous, frequently pyritic.
	Appear to still be getting significant amount of cavings.
5940–70	Shale – generally medium–dark gray, occasionally brownish gray, moderately soft, slightly–moderately calcareous, generally moderately carbonaceous, slightly silty in part, frequently pyritic.
5970–6000	Shale – black with slightly bronze cast from abundant microcrystalline Pyrite, frequently dark gray–dark brownish gray, generally soft, slightly–moderately calcareous, generally highly carbonaceous–petroliferous, sub–platy in part, likely very good source rock.
6000–30	Shale – black–grayish black with slightly bronze cast from microcrystalline disseminated Pyrite, moderately firm–soft, slightly calcareous in part, highly carbonaceous, generally sub–platy.
6030–60	Shale – cream–light gray frequently mottled–specked with carbonaceous material, moderately soft, slightly–moderately calcareous, frequently silty.
	Dolomite–Limy Dolomite – orangish brown–yellowish tan–dark reddish brown, microcrystalline–cryptocrystalline, moderately firm, slightly–moderately argillaceous in part, slightly–moderately carbonaceous, dense.
6060–90	Shale as 6000–30 above.

6090–6120 Shale – dark steely gray–grayish black–brownish gray with bronze cast from Pyrite, moderately firm and slightly brittle to soft, slightly calcareous, moderately–highly carbonaceous, sub–blocky to sub–platy.

6120–6150 Shale – medium gray–brownish gray, frequently slightly gray–cream, moderately soft–occasionally moderately firm, moderately–slightly calcareous, slightly carbonaceous in part with specks of dark brown–black carbonaceous material, frequently silty. Some Shale as above.

Dolomitic Limestone–Limestone – buff–tan, some clear–milky spar Calcite, cryptocrystalline–occasionally microcrystalline, moderately firm, dense, trace medium gray pellets.

6150–80 Sandstone fine grained ranging from very fine–medium grained, clear–milky, moderately consolidated–slightly friable, moderately well sorted, slightly calcareous, slightly argillaceous in part, some lithic fragments in part, sub–angular to sub–round, some fair–good intergranular porosity, spotty medium–dark brown oil stain on grain contacts, dull yellow fluorescence, very weak diffuse bluish milky cut–weak bluish yellow ring cut–slow bleeding cut after soaking.

Stain and cut not particularly good, but reservoir appears acceptable, based on history in area, this is most likely a commercial zone, frequently globules of dark brown oil on sample.

Shale – cream generally mottled with medium brown–medium gray carbonaceous material and some Pyrite, slightly calcareous, moderately soft.

6180–6226 Shale as above, also some light–medium gray Shale.

Sandstone very fine grained ranging to Siltstone – white–milky, generally slightly–moderately calcareous, slightly–moderately argillaceous, well consolidated, dense, NSFOC, frequently peppered with carbonaceous material and Pyrite.

Dolomite–Limy Dolomite – tan–orangish brown, cryptocrystalline–micro–crystalline occasionally spar Calcite, slightly argillaceous in part, slightly carbonaceous in part, dense, moderately firm–firm.

6226–40 Shale as above.

Dolomite–Limy Dolomite as above.

Some Sandstone – fine–very fine grained, generally clear–milky, moderately unconsolidated–slightly friable in part, slightly calcareous in part, moderately well sorted, sub–angular to sub–round, some lithic fragments, trace Glauconite, some fair–good intergranular porosity, generally no visual stain, but some very faint pinpoint light brown oil stain, some bluish–yellow fluorescence in part, no immediate cut, but after soaking, very weak bluish yellow halo cut.

Very weak visual show.

6240–60 Sandstone – medium–fine grained, clear–milky, generally unconsolidated to friable, slightly calcareous in part, generally well–moderately well sorted, generally sub–angular, occasionally sub–round, some lithic fragments, generally good intergranular porosity, generally visual stain is only spotty, faint brown on some grain contacts, bright bluish–yellow fluorescence, weak–fair diffuse bluish–yellow milky–halo cut.

Although stain is very weak, this zone is likely commercial in light of good porosity and quality of cut.

6260–70 Limy Dolomite–Dolomite – orangish brown–yellowish tan–tan, micro–crystalline–cryptocrystalline, moderately firm–moderately soft, slightly argillaceous in part, slightly–moderately carbonaceous.

Shale as 6180–6226 above.

Some Limestone – buff–light tan, cryptocrystalline–microcrystalline, moderately firm, slightly argillaceous in part, dense.

6270–88 Shale – Limy Dolomite to Dolomite and Limestone as above.

Also some Sandstone – very fine–fine grained, frequently fine–medium loose Quartz grains, generally clear–milky, moderately unconsolidated–friable in part, moderately well sorted, sub–angular to sub–round, slightly calcareous, some fair–good porosity, some Pyrite and lithic fragments, some very faint light brown spotty–even oil stain in part, bright yellow cut, weak bluish–yellow milky cut. Some Siltstone which appears tight has medium–dark brown even oil stain.

NOTE: Abundant quantity of oil globules and droplets in this sample.

Although this zone is thin, in view of porosity, shows, and presence of oil, this zone could be a sleeper and deserves close E–log scrutiny.

6288–6300 Shale, Limy Dolomite–Dolomite and Limestone 6260–70 above.

6300–30 Shale – cream–light to medium gray, generally soft, slightly–moderately calcareous, frequently mottled–streaked with carbonaceous material, generally silty.

Some Limy Dolomite–Dolomite and Limestone as above.

6330–90 Shale as above plus dark brownish gray, abundant microcrystalline Pyrite, moderately firm–moderately soft, moderately carbonaceous, sub–blocky.

Limy Dolomite–Dolomite – orangish tan to tan to orangish brown, microcrystalline–cryptocrystalline, moderately firm–moderately soft, slightly argillaceous in part, slightly carbonaceous in part, dense, some Pyrite in part.

6390–6450 Shale – cream–light to medium gray, frequently mottled–specked with carbonaceous material, moderately soft, slightly–moderately calcareous, frequently pyritic, silty in part, also brownish gray–grayish black to black, highly carbonaceous–petroliferous.

Limestone–Argillaceous Limestone – buff–tan, microcrystalline, moderately soft, dense.

Limy Dolomite–Dolomite – orangish brown–yellowish tan, microcrystalline, moderately firm–occasionally moderately soft, slightly carbonaceous in part, dense.

6450–80 Shale – dark brownish gray–gray black to occasionally black, generally with slightly bronze cast from Pyrite, moderately firm–soft, slightly calcareous, moderately–highly carbonaceous, sub–blocky.

6480–97 Shale as above, also cream–light gray, commonly specked–mottled with carbonaceous material and Pyrite, moderately soft, slightly calcareous.

Dolomite–Limy Dolomite as above.

Some Sandstone very fine–fine grained ranging to Siltstone – milky to light gray to light brown, moderately well consolidated, moderately well

sorted, sub–angular to sub–round, slightly calcareous, slightly argillaceous in part, some fair intergranular porosity, some spotty–even medium brown oil stain, bright yellow fluorescence and very weak bright bluish–yellow milky–slow streaming cut.

May be prospective if E–logs confirm reservoir.

6497–6510 Shale as 6450–80 above.

Some Dolomite–Limy Dolomite as above.

6510–40 Shale – dark brownish gray–grayish black to black, generally with bronze cast from abundant Pyrite, moderately firm–soft, slightly–moderately calcareous, highly carbonaceous, sub–blocky to sub–platy.

Some Limestone–Dolomitic Limestone, dark brown, cryptocrystalline–microcrystalline, firm, slightly brittle in part, slightly–moderately carbonaceous, dense.

6540–6600 Shale – dark brownish gray–grayish black, typically with bronze cast, moderately firm–moderately soft, moderately calcareous, moderately–highly carbonaceous.

Limestone–Dolomitic Limestone – dark brown, cryptocrystalline–microcrystalline, moderately firm–firm, slightly brittle in part, slightly–moderately carbonaceous, dense.

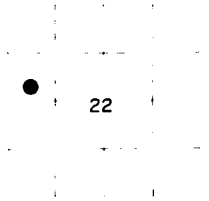
TOTAL DEPTH 6600' – DRILLER.

DENNIS REHRIG & ASSOCIATES, INC.

OIL & GAS CONSULTING

4824 RIMROCK ROAD
BILLINGS, MONTANA 59106
(406) 656-4785

GEOLOGIC WELL LOG



BALCRON OIL 12-22Y FEDERAL
2105' FNL 660' FWL, SECTION 22, T 8 S-R 17 E
DUCHESNE COUNTY, UTAH

ELEVATIONS: 5192' G.L. 5202' K.B.

SPUD: 10:15 AM (MST) 12/31/94

OUT FROM UNDER SURF. CSG.: 2:15 PM (MST) 1/1/95

DATE DRLG. COMP.: 7:30 PM (MST) 1/10/95

DATE WELL COMPLETED: 1:30 AM (MST) 1/12/95

STATUS: RAN PRODUCTION CASING

SURF. CSG.: 404' OF 8 5/8"

PRODUCTION CSG.: 5 1/2" TO 6584' K.B.

CORES: NONE

DRILL STEM TESTS: NONE

CONTRACTOR: UNION DRILLING CO.

RIG: 17

DERRICK: CABOT FRANKS, 97' MAST

DRAWWORKS: DETROIT 3304, POWERED BY ONE 343 DIESEL CAT

PUMPS: 1 - GARDINER DENVER FXN, 14" STROKE, 5 1/2" LINER

DRILL PIPE: 4 1/2" OD, 2 1/4" ID, X-H THREAD

COLLARS: 6" OD, 2 1/2" ID, 20 JTS

MUD SYSTEM: AIR/FOAM TO 4417', KCL/WTR 4417'-TD

TOTAL BITS: 4

TOTAL DAYS TO LOG POINT: 11 TO COMPL: 13

T.D. DRILLER: 6600' LOGGER: 6594'

ELEVATION: 77' BELOW TOP OF UTELAND BUTTE LS

ROCK TYPE

(Consistent with American Stratigraphic Company)

- CONGLOMERATE
- SANDSTONE
- SILTSTONE
- SHALE
- BENTONITE
- CHERT
- LIMESTONE
- DOLOMITE
- ANHYDRITE
- SALT
- COAL
- IGNEOUS
- VOLCANIC
- METAMORPHIC

ACCESSORIES

- SANDY
- SILTY
- SAND GRAINS
- SILICEOUS
- GLAUCONITE
- P PYRITE
- PLANT REMAINS
- MINERAL CRYSTALS
- CHERT
- ARGILLACEOUS
- CALCAREOUS
- DOLOMITIC
- ANHYDRITIC
- SALT CAST or INFILL
- PHOSPHATE PELLETS
- NODULES

ORGANIC or NON ORGANIC ALLOCHEMS

- FORAMINIFERA
- CRINOID
- PELECYPOD
- BIOCLASTIC or FRAGMENTAL
- CORAL
- STROMATOPOROID
- BRYOZOA
- BRACHIOPOD
- OSTRACOD
- CEPHALOPOD
- GASTROPOD
- ECHINOID
- F FOSSILS UNIDENTIFIABLE
- OOLITES
- PISOLITE 2mm. or over
- PSEUDO OOLITES or PELLETS
- INTRACLASTS

FRAMEWORK ALGAE

- SKELETAL
- OOTOID or ONCOLYTIC

NON-FRAMEWORK ALGAE

- NON DESCRIPT
- LAMINATED

MISCELLANEOUS

- NO SAMPLES
- CANNOT INTERPRET (cavings etc)
- QUESTIONABLE INTERPRETATION
- STYLOLITES

POROSITY TYPES

- X INTERCRYSTALLINE, INTERGRANULAR, INTERFRAGMENTAL
- ◊ INTEROOLITIC, INTERPELLETOID
- V VUGGY - voids greater than 1/16mm
- P PINPOINT - voids less than 1/16mm
- MOLDIC
- O ORGANIC - bridged, Intrafossil
- F FRACTURE
- e EARTHY - low permeability, crystals less than 1/16mm
- ⊡ FENESTRAL - voids from gas bubbles, shrinkage cracks & birdseye texture

OIL STAINS - stain present

- ● EVEN STAINING, FLOURESCES IN SOLVENT
- ◑ SPOTTED STAINING, FLOURESCES IN SOLVENT
- D DEAD, ASPHALTIC, BITUMEN, ETC
- O QUESTIONABLE, NO FLOURESCENCE IN SOLVENT

EVALUATION LEGEND

- WHOLE CORE
- DRILL-STEM TEST
- PERFORATIONS

DRILLING AND PRODUCTION DATA

	CASING SET	RPM	ROTATION (REV/MIN)
NB	NEW BIT	PP	PUMP PRESSURE
RRB	RERUN BIT	LC	LOST CIRCULATION
CB	CORE BIT	NR	NO RETURNS
DS	DEVIATION SURVEY	TG	TRIP GAS
W/B	WEIGHT ON BIT	CG	CONNECTION GAS

MUD DATA

V	VISCOSITY
W	WEIGHT IN lbs/gal
WL	FILTRATE IN cc
FC	FILTER CAKE
CL	CHLORIDE CONTENT (ppm)
Rm	MUD RESISTIVITY (⎍)
Rmf	MUD FILTRATE RESISTIVITY (⎍)

ELECTRIC LOG
GAMMA RAY / CALIPER

INTERPRETED LITHOLOGY AND DEPTH

DRILLING PENETRATION RATE (MIN / FT)

POROSITY (%)

OIL SHOWS

CORE & DST

CASING & PERFORATIONS

1800

0 1 2 3 4 5

INTERPRETATIVE LITHOLOGIC & SAMPLE DESCRIPTIONS BASED ON SAMPLES CAUGHT BY MUD LOGGERS. GENERALLY TIE WELL TO DRILL TIME LOG. SEE REPORT FOR DETAILED DESCRIPTION OF SAMPLES, POROSITY & SHOWS

E-LOG TOPS

1900

GREEN RIVER

MR ICI 3355

PRINTED IN U.S.A.

2000
2100
2200
2300
2400
2500
GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK No. 1C1 3355
RECORDING CHART

2600
2700
2800
2900
3000
3100
HORSE BENCH SAND
SAMPLES EXAMINED FROM 2700'-TOTAL DEPTH. SEE SAMPLE DESCRIPTIONS IN REPORT FOR DETAILS.
0
1
2
3
4
5
BUFFALO, NEW YORK
No. ICI 3355
RECORDED CHARTS
GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK
No. ICI 3355

3200

3300

3400

3500

3600

3700

3800

RECORDING CHARTS

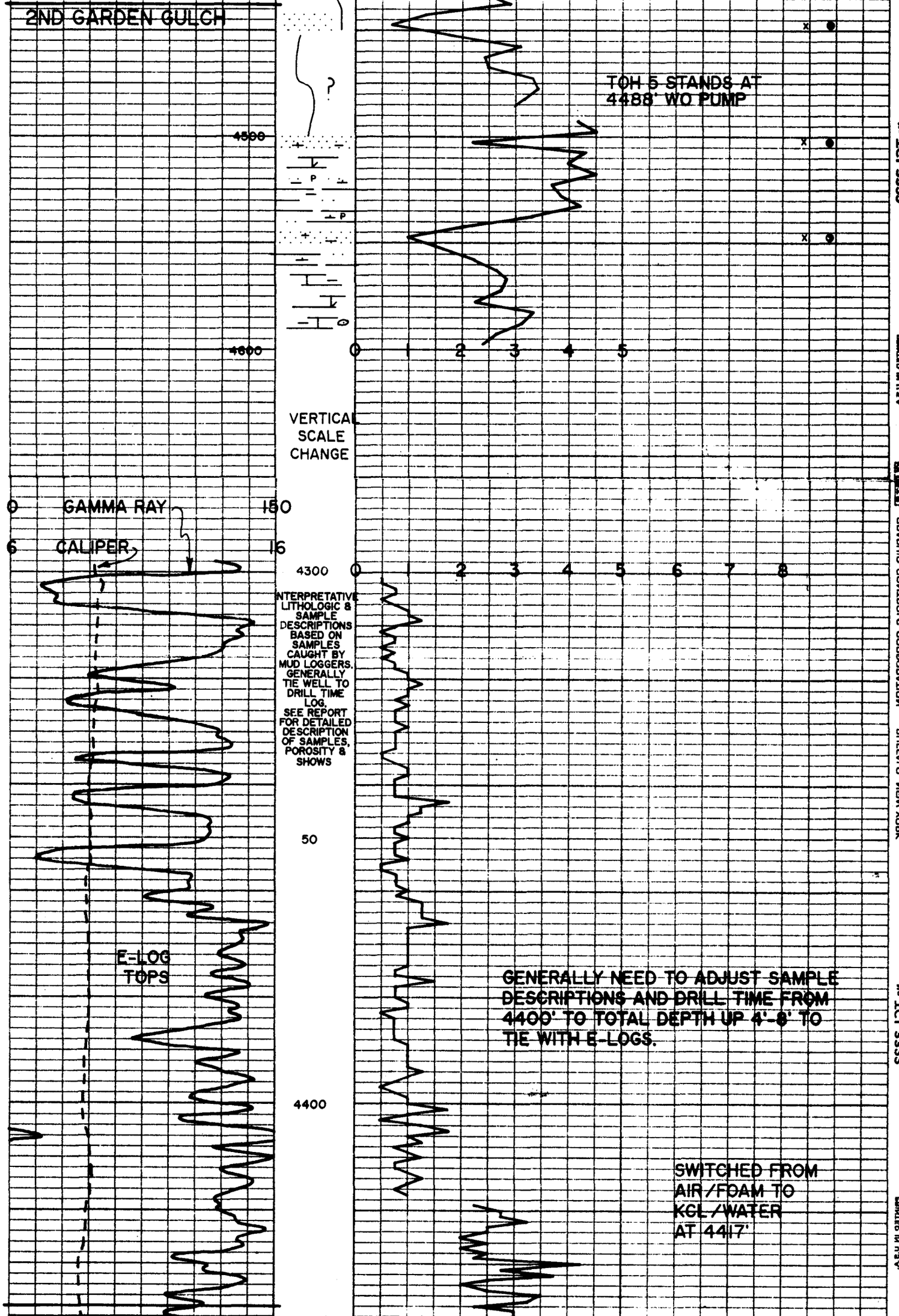
GRAPHIC CONTROLS CORPORATION

BUFFALO, NEW YORK

No. TC1 3355

RECORDING CHARTS

3900
4000
4100
4200
4300
4400
P
SWITCHED FROM DRILLING
WITH AIR/FOAM TO
KCL/WATER AT 4417'


2ND GARDEN GULCH
?
4500
P
P
4600
TOH 5 STANDS AT
4488' WO PUMP
0 1 2 3 4 5
VERTICAL
SCALE
CHANGE
0 GAMMA RAY 150
6 CALIPER 16
4300
0 1 2 3 4 5 6 7 8
INTERPRETATIVE LITHOLOGIC & SAMPLE DESCRIPTIONS BASED ON SAMPLES CAUGHT BY MUD LOGGERS. GENERALLY TIE WELL TO DRILL TIME LOG. SEE REPORT FOR DETAILED DESCRIPTION OF SAMPLES, POROSITY & SHOWS
50
E-LOG
TOPS
GENERALLY NEED TO ADJUST SAMPLE DESCRIPTIONS AND DRILL TIME FROM 4400' TO TOTAL DEPTH UP 4'-8' TO TIE WITH E-LOGS.
4400
SWITCHED FROM
AIR/FOAM TO
KCL/WATER
AT 4417'
GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK
No. TCI 3352
No. TCI 3352

2ND GARDEN GULCH

50

4500

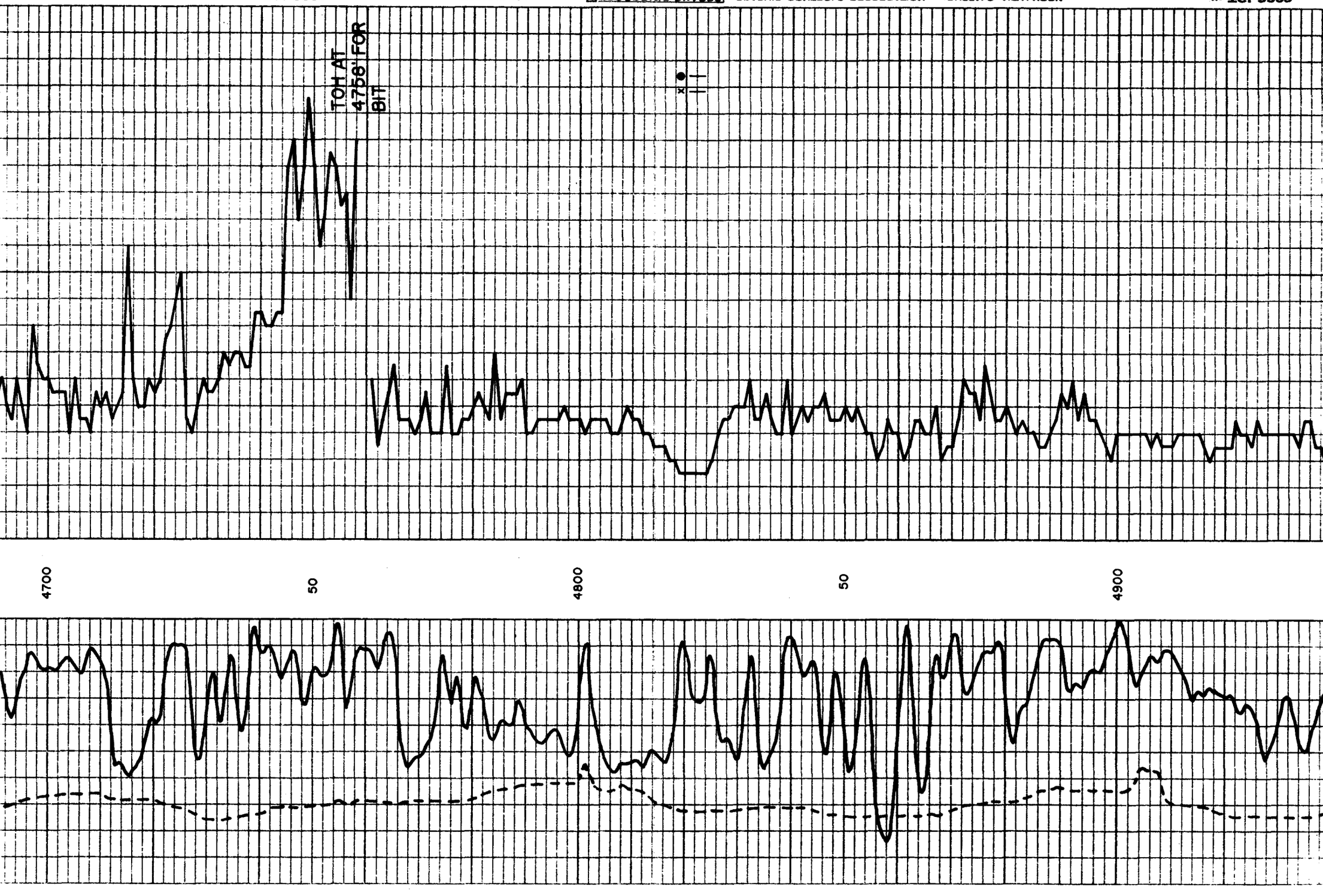
50

4600

50

TOH 5 STANDS AT 4488' TO CHANGE MUD PUMP MOTOR

GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK No. TC1 3332 PRINTED IN U.S.A. RECORDING CHART


TOH AT
4756' FOR
BIT
4700
50
4800
50
4900

50

5000

50

YELLOW
MARKER

5100

50

SHUT DOWN TO
WO BRAKES
AT 5087'

RECORDING CHART®

GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK

No TCI 3332

PRINTED IN U.S.A.

RECORDING CHART®

PRINTED IN U.S.A.

5200
0
1
2
3
4
5
6
7
8
DOUGLAS
CREEK
50
5300
50
5400
BURTON GEOPHYSICAL CONTROLS CORPORATION BUFFALO, NEW YORK
No. TCI 3352
PRINTED IN U.S.A.
RECORDING CHARTS
BURTON GEOPHYSICAL CONTROLS CORPORATION BUFFALO, NEW YORK

50

5500

2ND
DOUGLAS
CREEK

50

5600

50

GREEN
MARKER

RECORDING CHART

GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK

No. TCI 3352

PRINTED IN U.S.A.

5700

50

5800

50

5900

GEOLOGRAPH
NOT WORKING
PROPERLY

TOH AT 5881'
FOR HOLE IN
DRILLPIPE

RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK NO. TC1 3355 PRINTED IN U.S.A.

50
6000
50
6100
CARBONATE
MARKER
50

6200

50

6300

50

6400

GEOLOGRAPH
NOT WORKING

RECORDING CHART

GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK

No. TCI 3322

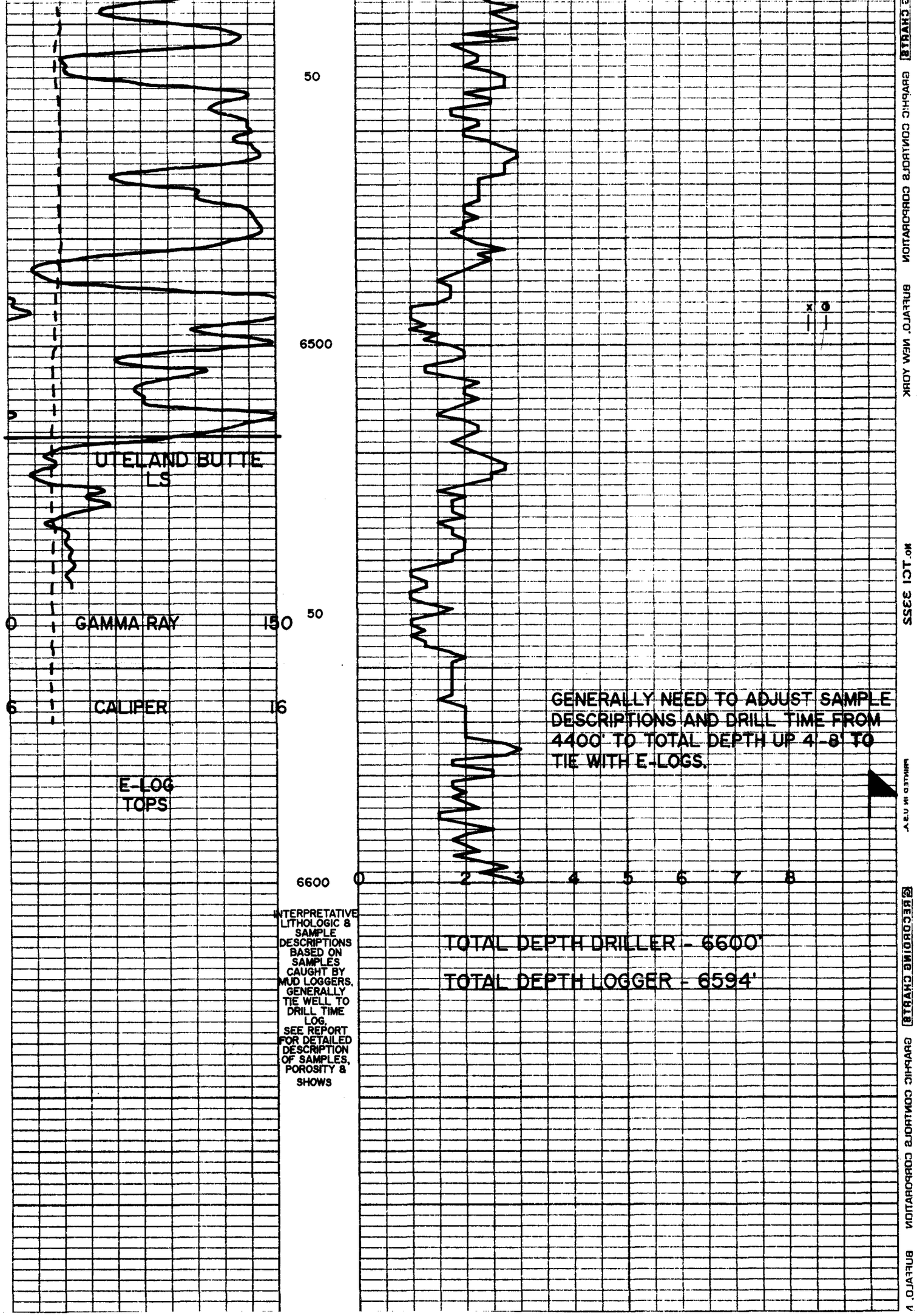
PRINTED IN U.S.A.

RECORDING CHART

GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK

No. TCI 3322

PRINTED IN U.S.A.


50
6500
UTELAND BUTTE LS
0 GAMMA RAY 150
50
6 CALIPER 16
E-LOG TOPS
6600
0 1 2 3 4 5 6 7 8
GENERALLY NEED TO ADJUST SAMPLE DESCRIPTIONS AND DRILL TIME FROM 4400' TO TOTAL DEPTH UP 4-8' TO TIE WITH E-LOGS.
INTERPRETATIVE LITHOLOGIC & SAMPLE DESCRIPTIONS BASED ON SAMPLES CAUGHT BY MUD LOGGERS, GENERALLY TIE WELL TO DRILL TIME LOG, SEE REPORT FOR DETAILED DESCRIPTION OF SAMPLES, POROSITY & SHOWS
TOTAL DEPTH DRILLER - 6600'
TOTAL DEPTH LOGGER - 6594'
GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK RECORDING CHARTS
No. TCI 3352
PRINTED IN U.S.A.

Form 3160-5 UNITED STATES
(June 1990) DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
FEB 27 1995
DIV OF OIL, GAS & MINING

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

5. Lease Designation and Serial No.
U-66191

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

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

8. Well Name and No.
Balcron Federal #12-22Y

9. API Well No.
43-013-31476

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

11. County or Parish, State
Duchesne County, Utah

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

2. Name of Operator
EQUITABLE RESOURCES ENERGY COMPANY, BALCRON OIL DIVISION

3. Address and Telephone No.
P.O. Box 21017; Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SURFACE: SW NW Section 22, T8S, R17E
TD: 2105' FNL & 660' FWL

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

TYPE OF SUBMISSION	TYPE OF ACTION	
[X] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
	[ ] Recompletion	[ ] New Construction
[X] Subsequent Report	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
[ ] Final Abandonment Notice	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other Onshore Order #7	[ ] 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 in 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 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 from the Bureau of Land Management.

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

Signed Bobbie Schuman (Bobbie Schuman) Title Regulatory and Environmental Specialist Date 2-23-95

(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

Form 3160-4
(November 1983)
(formerly 9-330)

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*

5. LEASE DESIGNATION AND SERIAL NO.: U-66191
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: n/a
7. UNIT AGREEMENT NAME: n/a
8. FARM OR LEASE NAME: Balcron Federal
9. WELL NO.: #12-22Y
10. FIELD AND POOL, OR WILDCAT: Undesignated/Green River
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: SW NW Section 22, T8S, R17E

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] Other

b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] Other

CONFIDENTIAL

2. NAME OF OPERATOR: Equitable Resources Energy Company, Balcron Oil Division

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: 2105' FNL & 660' FWL
At top prod. interval reported below
At total depth

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
43-013-31476	12-7-94	Duchesne	Utah

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
12-18-94	1-11-95	1-26-95	5197' GL	n/a

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
6600'	6538.67'	n/a	→	SFC - TD	n/a

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 6221' - 6248' Green River

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: MUD, CNL/LDC/GR, DLL, CBL/GR/CCL, 1-24-95

27. WAS WELL CORED:

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#	404.88' KB	12-1/4"	250 sxs "G" w/additives	None
5-1/2"	15.5#	6584.52' KB	7-7/8"	130 sxs Super "G" w/additives	None
				480 sxs 50-50 POZ w/additives	

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"	6311.21' KB	n/a

31. PERFORATION RECORD (*Interval, size and number*)
6221' - 6248' (2 SPF)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6221' - 6248'	Break down w/2856 gallons 2% KCL wtr. Frac w/80,040# 20/40 mesh sand and 87,580# 16/30 mesh sand w/52,584 gallons 2% KCL gelled wtr.

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
1-26-95	1-1/2" Insert Pump	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
2-19-95	24	n/a		17.22	N.M.	0	N.M.

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
n/a	n/a		17.22	N.M.	0	34

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

TEST WITNESSED BY: Dale Griffin

35. LIST OF ATTACHMENTS

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

SIGNED Bobbie Schuman TITLE Regulatory and Environmental Specialist DATE 2-23-95

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

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

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			No DST's run.

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
See Geological Report submitted separately.		

Form 3160-5 (June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FEB 27 1995

DIV OF OIL, GAS & MINING

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.
U-66191

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

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

SUBMIT IN TRIPLICATE

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

8. Well Name and No.
Balcron Federal #12-22Y

2. Name of Operator
EQUITABLE RESOURCES ENERGY COMPANY, BALCRON OIL DIVISION

9. API Well No.
43-013-31476

3. Address and Telephone No.
P.O. Box 21017; Billings, MT 59104 (406) 259-7860

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SURFACE: SW NW Section 22, T8S, R17E
TD: 2105' FNL & 660' FWL

11. County or Parish, State
Duchesne County, Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
	[ ] Recompletion	[ ] New Construction
[X] Subsequent Report	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
[ ] Final Abandonment Notice	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other Site Security Diagram	[ ] 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 is the Site Security Diagram for this well.

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

Signed Bobbie Schuman Title Regulatory and Environmental Specialist Date 2-23-95

(This space for Federal or State office use)

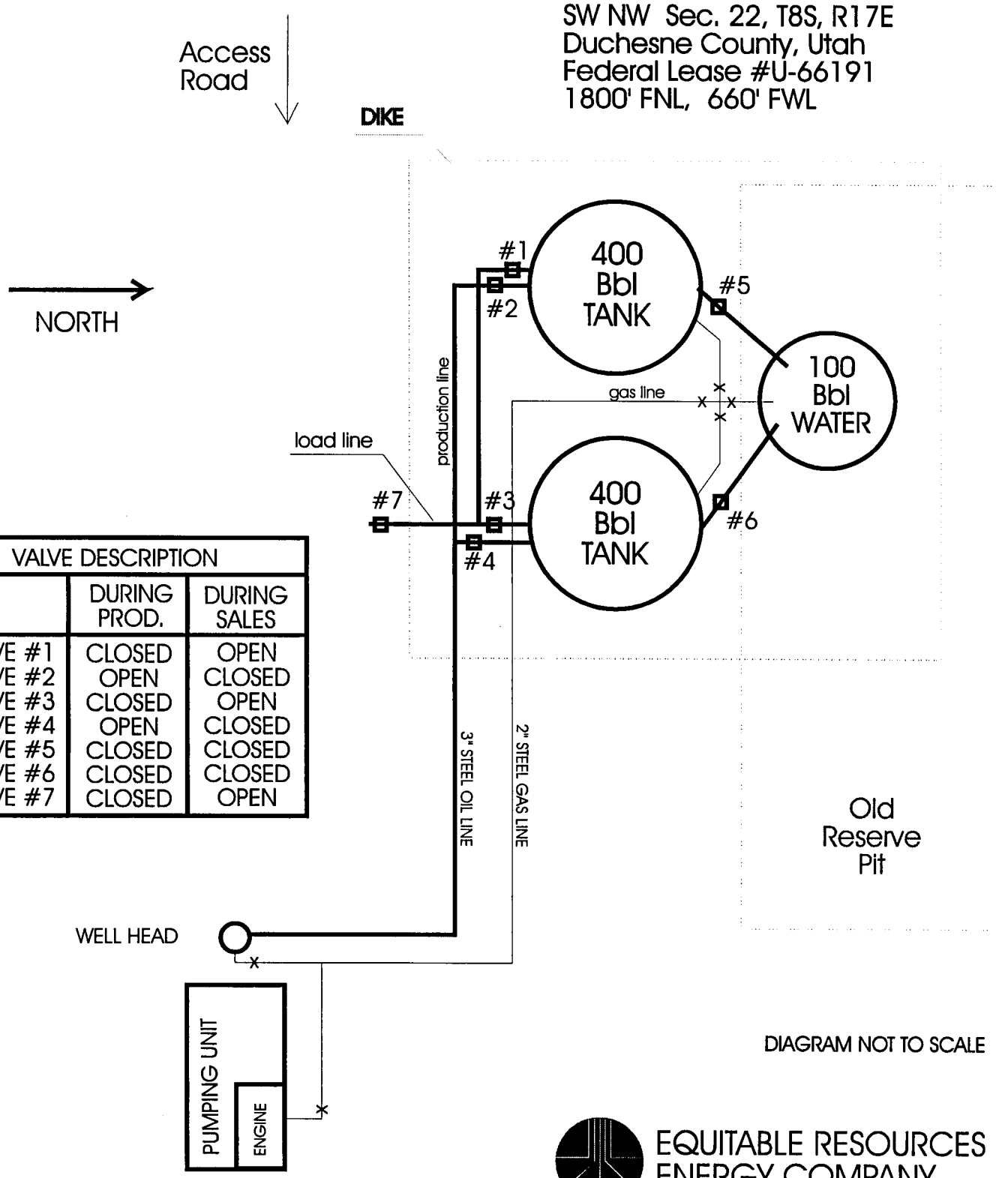
Approved by _____ Title _____ Date _____
Conditions of approval, if any:

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
Balcron Federal 12-22Y
Production Facility Diagram

Balcron Federal 12-22Y
SW NW Sec. 22, T8S, R17E
Duchesne County, Utah
Federal Lease #U-66191
1800' FNL, 660' FWL



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

DIAGRAM NOT TO SCALE

EQUITABLE RESOURCES ENERGY COMPANY
BALCRON OIL DIVISION
1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104-1017
(406) 259-7860

FORM 7

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

RECEIVED
FEB 27 1995
DIV OF OIL, GAS & MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

1. Well name and number: Balcron Federal #12-22Y

   API number: 43-013-31476

2. Well Location: QQ SW NW Section 22 Township 8S Range 17E County Duchesne

3. Well operator: Equitable Resources Energy Company, Balcron Oil Division

   Address: 1601 Lewis Avenue

   Billings, MT 59102 Phone: (406) 259-7860

4. Drilling contractor: Union Drilling

   Address: Drawer 40

   Buckhannon, WV 26201 Phone: (304) 472-4610

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

DEPTH		VOLUME	QUALITY
FROM	TO	(FLOW RATE OR HEAD)	(FRESH OR SALTY)
		No measurable water encountered	
		dureing drilling operations.	

6. Formation tops: See Geological Report submitted separately.

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: 2-23-95

Name & Signature: Bobbie Schuman, Bobbie Schuman Title: Regulatory and Environmental Specialist

RECEIVED
JUL 03 1995
DIV. OF OIL, GAS & MINING

Form 3160-5 (June 1990)
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

5. Lease Designation and Serial No.: U-66191
6. If Indian, Allottee or Tribe Name: n/a
7. If Unit or CA, Agreement Designation: n/a

1. Type of Well: [X] Oil Well [ ] Gas Well [ ] Other
2. Name of Operator: EQUITABLE RESOURCES ENERGY COMPANY, BALCRON OIL DIVISION
3. Address and Telephone No.: P.O. Box 21017; Billings, MT 59104 (406) 259-7860
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
   SURFACE: SW NW Section 22, T8S, R17E
   TD: 2105' FNL & 660' FWL

8. Well Name and No.: Balcron Federal #12-22Y
9. API Well No.: 43-013-31476
10. Field and Pool, or Exploratory Area: Undesignated / Green River
11. County or Parish, State: Duchesne County, Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
	[ ] Recompletion	[ ] New Construction
[X] Subsequent Report	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
[ ] Final Abandonment Notice	[ ] Altering Casing	[ ] Conversion to Injection
	[x] Other Add perfs to Green River Formation	[ ] Dispose Water

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

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

MIRU Basin Well Service on April 25, 1995.
Perforate 5348'-5353' (7 holes), 5472'-5475' (4 holes) & 5479'-5481' (3 holes).
Break down 5348'-5353' with 3,696 gallons 2% KCL water.
Break down 5472'-5481' with 2,940 gallons 2% KCL water.
Frac 5348'-5481' with 26,920 lbs 20/40 mesh sand and 38,000 lbs 16/30 mesh sand with 19,950 gallons 2% KCL gelled water.
Swab and test well.
Perforate 4804'-4817' (4 SPF) and break down perfs with 2,898 gallons 2% KCL water.
Frac same perfs with 80,400 lbs 16/30 mesh sand with 23,142 gallons 2% KCL gelled water.

Well was put back on production on May 4, 1995.

Original + 2 copies: BLM Vernal, Ut. Copy to: State of Utah

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

Signed Bobbie Schuman Title Regulatory and Environmental Specialist Date 6-29-95

(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**

DAILY OPERATING REPORT

BALCRON FEDERAL #12-22Y
Location: SW NW Section 22, T8S, R17E
Duchesne County, Utah **---TIGHT HOLE---**
2105' FNL & 660' FWL
PTD: 6,600' Formation: Green River
Undesignated Field
Elevations: 5197' GL
Contractor: Union Drilling Rig #17
Operator: Balcron/EREC
Spud: 12-18-94 @ 4 p.m.
Casing: 8-5/8", 24#, J-55 @ 404.88' KB
5-1/2", 15.5#, J-55 @ 6584.52' KB
Tubing: 2-7/8", 6.5#, J-55 @ 6311.21' KB

12-19-94 MIRU Union Drilling Rig #17. Drill rate hole & set conductor, spud well @ 4 p.m. 12-18-94. NU air bowl & flowline. SD for Christmas. Will resume drilling operations 12-31-94 a.m.
DC: $13,110 CC: $13,110

12-31-94 Run surface pipe & cmt as follows:

Guide Shoe	.60'
1 jt 8-5/8", 24# shoe jt	44.00'
Insert Float	------
8 jts 8-5/8", 24#, J-55	350.28'
Total	394.88'
Landing Jt	10.00'
Csg @	404.88' KB

Cmt by Western w/250 sxs Class "G" w/2% CCL & 1/4#/sx Cello-Seal. 15 bbls cmt back to pit. Plug down @ 12:00 midnight.

1-1-95 TD: 420' (420') Day 2
Formation: Uintah
MW air & mist
Present Operation: NU BOP.
Start operations @ 8 a.m. 12-31-94. Drill surface hole. Blow hole, trip out, RU & run 9 jts as stated above. WOC, install surface head. Could not pull conductor pipe, had to cut it off.
DC: $16,207 CC: $29,317

1-2-95 TD: 1,280' (860') Day 3
Formation: Uintah
MW 8.5
Present Operation: drilling
NU BOP, test BOP & manifold to 2000# - OK. Test csg to 1500# - OK. TIH w/bit & collars. Drill cmt, survey & drill ahead.
DC: $11,941 CC: $41,258

DAILY OPERATING REPORT

BALCRON FEDERAL #12-22Y
Location: SW NW Section 22, T8S, R17E
Duchesne County, Utah **---TIGHT HOLE---**

1-3-95 TD: 2,458' (1,178') Day 4
Formation: Green River
MW 8.5
Present Operation: Drilling
Drill, survey, & clean on rig. Mud logger needs electrician to get equipment working.
DC: $15,995 CC: $57,253

1-4-95 TD: 3,504' (1,046') Day 5
Formation: Green River
MW 8.5 VIS 26
Present Operation: Drillig
Drill, survey, & clean on rig.
DC: $14,195 CC: $71,448

1-5-95 TD: 4,433' (929') Day 6
Formation: Yellow Zone
MW 8.5 VIS 26
Present Operation: Drilling
Drill, survey, clean on rig, load hole w/fluid, work on mud pump & drill ahead.
DC: $13,045 CC: $84,493

1-6-95 TD: 4,580' (147') Day 7
Formation: Yellow Zone
MW 8.5 VIS 26
Present Operation: Drilling
Drill, survey, work on mud pump. Pull 5 stds pipe & change out engine on mud pump. Trip 5 stds in & drill.
DC: $3,542 CC: $88,035

1-7-95 TD: 4,995' (415') Day 8
Formation: Yellow Zone
MW 8.5 VIS 27
Present Operation: Drilling
Drill, clean on rig, trip for bit. Drill ahead.
DC: $6,618 CC: $94,653

1-8-95 TD: 5,255' (260') Day 9
Formation: Red Zone
MW 8.5 VIS 26
Present Operation: Drilling
Drill, survey, work on brakes, & drill ahead.
DC: $4,781 CC: $99,434

DAILY OPERATING REPORT

BALCRON FEDERAL #12-22Y
Location: SW NW Section 22, T8S, R17E
Duchesne County, Utah **---TIGHT HOLE---**

1-9-95 TD: 5,835' (580') Day 10
Formation: Green Zone
MW 8.5 VIS 26
Present Operation: Drilling
Drill, survey, & clean on rig.
DC: $9,223 CC: $108,657

1-10-95 TD: 6,235' (400') Day 11
Formation: Blue Zone
MW 8.5 VIS 26
Present Operation: Drilling
Drill, trip for hole in drill pipe. Find washed connection @ 74 stds down & cracked jt @ 79-1/2 stds. Replace 3 jts & TIH. Drill, survey, & clean on rig. G-3 zone, good oil show, 1100 units gas.
DC: $6,580 CC: $115,237

1-11-95 TD: 6,600' (365') Day 12
Formation: Blue Zone
MW 8.5 VIS 26
Present Operation: Logging
Drill, unload 5-1/2" csg, circ, survey, TOOH for logs & log well. Pull lite around 5100', ream tight spot. Problems w/break out cat head. Logs went to btm OK 6594' TD.
DC: $8,821 CC: $124,058

1-12-95 TD: 6,600' (0') Day 13
Formation: Green River
Present Operation: RDMO.
Finish logging, TIH, LD drill pipe & collars. RU casers & run csg as follows:

Guide Shoe	.60'
1 jt 5-1/2", 15.5# shoe jt	44.25'
Float Collar	
155 jts 5-1/2", 15.5#, j-55	6529.67'
	6575.52'
Landing jt	9.00'
Csg landed @ KB	6584.52'
PBTD:	6538.67'

Cmt by Western w/130 sxs Super "G", 47#/sx "G", 20#/sx POZ, 17#/sx CSE, 3% salt, 2% gel, 2#/sx Hi-Seal2 & 1/4#/sx Cello-seal. Tail w/480 sxs 50/50 POZ w/2% gel , 1/4#/sx Cello-Seal & 2#/sx Hi-Seal2. Plug down @ 9:30 p.m. Set slips, ND & clean mud tanks. Test 5-1/2" rams to 2000#. Release rig @ 1:30 a.m. 1-12-95.
DC: $70,101 CC: $194,159

DAILY OPERATING REPORT

BALCRON FEDERAL #12-22Y
Location: SW NW Section 22, T8S, R17E
Duchesne County, Utah **---TIGHT HOLE---**

1-16-95 Completion
Dress up location, set rig anchors & tanks. MIRU Cannon Well Service rig #2. NU 5M well head & NU BOP. TIH w/212 jts 2-7/8" J-55 6.5# condition A. Tag PBTD @ 6538' KB. Circ hole clean w/140 bbls 2% KCL wtr. SWIFN.
DC: $20,986 CC: $215,145

1-17-95 Completion
TOOH w/tbg, scraper, & bit. RU Schlumberger & run CBL from PBTD to 200' above cmt top @ 2982' KB. Perf 6221'-48' (2 SPF). RD Schlumberger. TIH w/RBP, retrieving head, 2-3/8" x 4' sub, HD packer, SN & 203 jts 2-7/8" tbg. Set BP @ 6290' KB, set packer @ 6185' KB, EOT @ 6193' KB. RU Western & break down 6221-48' KB w/2,856 gals 2% KCL wtr. ATP 2400 spi, max 5000 psi. ATR 6 bpm, max 6 bpm. ISIP 1650 psi. Pump 4 balls/bbl. TOOH w/tbg & packer. RU Western to frac w/80,040# 20/40 mesh sand & 87,580# 16/30 mesh sand w/52,584 gals 2% KCL gelled wtr. ATP 1900 psi, ATR 32.8 bpm. ISIP 2000 psi, 5 min 1920 psi, 10 min 1800 psi, 15 min 1750 psi, & 30 min 1650 psi. SWIFN.
DC: $54,542 CC: $269,687

1-18-95 Completion
CP 975 psi. FL @ surface, BP @ 6290'. TIH w/retrieving tool, 2-3/8" x 4' sub, HD packer, 2-7/8" SN & 201 jts 2-7/8" tbg. Tag sand @ 6200' KB. Circ down to BP @ 6290' KB. Set packer @ 6185' KB. Well flowed. Flowed back 320 BW, 1000# of sand, no gas. SI pressure 45 psi in 15 min. Release packer, circ tbg clean w/2% KCL wtr. Reset packer @ 6185' KB. SWI for day. Load to recover 1125 BW.
DC: $2,357 CC: $272,044

1-19-95 Completion
TP 75 psi, flowing. Open tbg flow to pit. Flow back 25 BW. Made 41 swab runs, recovered 213 bbls fluid, 1st run trace of oil. Heavy sand on all runs. FL stable @ 1950' last 3 runs. Good gas. SWIFN.
DC: $2,034 CC: $274,078

1-20-95 Completion
TP 45 psi, FL @ 500'. Made 38 swab runs, recovered 196 bbls fluid, trace oil, 196 BW, good gas, 1st run 5% oil. No sand last 10 runs. FL stable @ 2150' last 4 runs. Last run trace oil. Release packer, tag sand @ 6235' KB. Circ down to BP @ 6290' KB. Release BP, pull 10 jts 2-7/8" tbg. SWIFN. 691 BLTR.
DC: $2,566 CC: $276,644

DAILY OPERATING REPORT

BALCRON FEDERAL #12-22Y
Location: SW NW Section 22, T8S, R17E
Duchesne County, Utah **---TIGHT HOLE---**

1-21-95 Completion
TOOH w/tbg, packer, & BP. TIH w/tbg production string as follows:

	LENGTH	DEPTH KB
1 jt 2-7/8" J-55, 6.5#	30.11'	6311.21'
1 perf sub 2-7/8" x 4'	4.20'	6281.10'
1 2-7/8" SN	1.10'	6276.90'
3 jts 2-7/8", J-55, 6.5#	91.24'	6275.80'
1 tbg anchor 2-7/8" x 5-1/2"	2.35'	6184.56'
200 jts 2-7/8", J-55, 6.5#	6172.21'	6182.21'

ND BOP, ND 5M well head, NU 3M well head. Set TA w/24" tension.
TIH w/rod production string as follows:
1 - BHP 2-1/2"x1-1/2"x16' RWAC w/pa plunger
250 - 3/4" x 25' D-61 Plain Rods
1 - 1-1/4" x 22' Polish Rod
Clamp rods off. Pressure test tbg & BHP to 1000 psi - OK. RDMO.
DC: $8,508 CC: $285,152

1-26-95 Well started pumping @ 4:30 p.m. 4.2 SPM, 89" stroke.
Pumper is Steve Farnsworth.

Balcron Coyote Fed. #42-6X	Coyote Basin	SE NE	6	8S	25E	Uintah	UT	OSI	Green River	U-017439-B	43-047-32346	1987' FNL, 682' FEL	Vernal	Coyote Basin
Balcron Coyote Fed. #44-6	Coyote Basin	SE SE	6	8S	25E	Uintah	UT	PND	Green River	U-017439B	43-047-32421	560' FSL, 760' FEL	Vernal	Coyote Basin
Balcron Federal #12-20Y	8 Mile Flat N.	SW NW	20	9S	18E	Uintah	UT	Oil	Green River	U-64917	43-047-32617	1980' FNL, 660' FWL	Vernal	
Balcron Federal #12-22Y	8 Mile Flat N.	SW NW	22	8S	17E	Duchense	UT	Oil	Green River	U-66191	43-013-31476	2105' FNL, 660' FWL	Vernal/Priv.sfc.	
Balcron Federal #21-13Y	Monument Butte	NE NW	13	9S	16E	Duchesne	UT	Oil	Green River	U-64805	43-013-31400	703' FNL, 1831' FWL	Vernal	
Balcron Federal #21-25Y	Monument Butte	NE NW	25	9S	16E	Duchesne	UT	Oil	Green River	U-64380	43-013-31994	500' FNL, 1980' FWL	Vernal	
Balcron Federal #21-9Y	Monument Butte	NE NW	9	9S	16E	Duchesne	UT	Oil	Green River	U-65207	43-013-31396	476' FNL, 2051' FWL	Vernal	
Balcron Federal #22-10Y	Monument Butte	SE NW	10	9S	17E	Duchesne	UT	Oil	Green River	U-65210	43-013-31395	1980' FNL, 1980' FWL	Vernal	
Balcron Federal #24-3Y	Monument Butte	SE SW	3	9S	17E	Duchesne	UT	Oil	Green River	U-64381	43-013-31397	562' FSL, 1887' FWL	Vernal	
Balcron Federal #31-14Y	Undesignated	NW NE	14	9S	19E	Uintah	UT	PND	WASATCH	U-66193		500' FNL, 2740' FWL	Vernal/Priv.sfc.	
Balcron Federal #31-19Y	8 Mile Flat N.	NW NE	19	9S	18E	Duchesne	UT	Oil	Green River	U-65635	43-047-32614	660' FNL, 1880' FEL	Vernal	
Balcron Federal #31-5Y	8 Mile Flat N.	NW NE	5	9S	18E	Uintah	UT	Oil	Green River	U-65970	43-047-32503	660' FNL, 1980' FEL	Vernal	
Balcron Federal #32-19Y	8 Mile Flat N.	SW NE	19	9S	18E	Uintah	UT	Oil	Green River	U-65635	43-047-32615	1980' FNL, 1980' FEL	Vernal	
Balcron Federal #41-19Y	Monument Butte	NE NE	19	9S	17E	Duchesne	UT	Oil	Green River	U-65967	43-047-32504	660' FSL, 660' FEL	Vernal	
Balcron Federal #41-21Y	Monument Butte	NE NE	21	9S	16E	Duchesne	UT	Oil	Green River	U-64379	43-013-31392	970' FNL, 894' FEL	Vernal	
Balcron Federal #42-19Y	8 Mile Flat N.	SE NE	19	9S	18E	Uintah	UT	Oil	Green River	U-65635	43-047-32616	2100' FNL, 500' FEL	Vernal	
Balcron Federal #44-14Y	Monument Butte	SE SE	14	9S	17E	Uintah	UT	Oil	Green River	U-64806	43-047-32438	1008' FSL, 832' FEL	Vernal	
Balcron Federal #44-4Y	8 Mile Flat N.	SE SE	4	9S	17E	Duchesne	UT	Oil	Green River	U-65635	43-013-31452	660' FNL, 660' FEL	Vernal	
Balcron Monument Fed. #11-10-9-17Y		NW NW	10	9S	17E	Duchesne	UT	PND	Green River				Vernal	
Balcron Monument Fed. #11-20-9-18Y	Monument Butte	NW NW	20	9S	18E	Uintah	UT	OIL	Green River	U-64917	43-047-32712	500' FNl, 500' FWL	Vernal	
Balcron Monument Fed. #11-22-8-17Y	Monument Butte	NW NW	22	8S	17E	Duchesne	UT	OIL	Green River	U-66191	43-013-31539	635' FNL, 658' FWL	Vernal	
Balcron Monument Fed. #11-25	Monument Butte	NW NW	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32455	739' FNL, 648' FWL	Vernal	
Balcron Monument Fed. #11-6	Monument Butte	NW NW	6	9S	17E	Duchesne	UT	WIW	Green River	U-020252-A	43-013-31362	804' FNL, 696' FWL	Vernal	Jonah
Balcron Monument Fed. #11-7J	Monument Butte	NW NW	7	9S	17E	Duchesne	UT	COMPL-WIW	Green River	U-44426	43-013-31492	681' FNL, 447' FWL	Vernal	Jonah
Balcron Monument Fed. #12-10-9-17Y	Monument Butte	SW NW	10	9S	17E	Duchesne	UT	COMPL	Green River	U-65210	43-013-31536	1994' FNL, 618' FWL	Vernal	
Balcron Monument Fed. #12-11J	Monument Butte	SW NW	11	9S	16E	Duchesne	UT	WIW	Green River	U-096550	43-013-31417	2128' FNL, 689' FWL	Vernal	Jonah
Balcron Monument Fed. #12-12J	Monument Butte	SW NW	12	9S	16E	Duchesne	UT	WIW	Green River	U-096550	43-013-31410	739' FNL, 648' FWL	Vernal	Jonah
Balcron Monument Fed. #12-14J	Monument Butte	SW NW	14	9S	16E	Duchesne	UT	PND	Green River	U-096547	43-013-31488	2004' FNL, 658' FWL	Vernal	Jonah
Balcron Monument Fed. #12-17	Monument Butte	SW NW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31431	1980' FNL, 660' FWL	Vernal	Beluga
Balcron Monument Fed. #12-25	Undesignated	SW NW	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32526	1486' FNL, 875.7' FWL	Vernal	
Balcron Monument Fed. #12-7J	Monument Butte	SW NW	7	9S	17E	Duchesne	UT	Oil	Green River	U-44426	43-013-31493	1965' FNL, 620' FWL	Vernal	Jonah
Balcron Monument Fed. #13-11J	Monument Butte	NW SW	11	9S	16E	Duchesne	UT	Oil	Green River	U-096547	43-013-15790	1819' FSL, 658' FWL	Vernal	Jonah
Balcron Monument Fed. #13-5	Monument Butte	NW SW	5	9S	17E	Duchesne	UT	WIW	Green River	U-020252	43-013-31370	1980' FSL, 660' FWL	Vernal	Jonah
Balcron Monument Fed. #13-8	Monument Butte	NW SW	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-31382	2060' FSL, 694' FWL	Vernal	Beluga
Balcron Monument Fed. #14-11	Monument Butte	SW SW	11	9S	16E	Duchesne	UT	WIW	Green River	U-096547	43-013-31374	1048' FSL, 446' FWL	Vernal	Jonah

FORM 10

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

BALCRON OIL DIVISION
EQUITABLE RESOURCES ENERGY
1601 LEWIS AVE
BILLINGS MT 59102-4126

UTAH ACCOUNT NUMBER: N9890

REPORT PERIOD (MONTH/YEAR): 3 / 96

AMENDED REPORT ☐ **(Highlight Changes)**

Well Name / API Number / Entity / Location	Producing Zone	Well Status	Days Oper	Production Volumes OIL(BBL)	GAS(MCF)	WATER(BBL)
✓BALCRON FEDERAL 31-5Y 4304732503 11680 09S 18E 5	GRRV					
✓BALCRON MONUMENT FEDERAL 21-25 4304732528 11683 08S 17E 25	GRRV					
✓MONUMENT FEDERAL 12-25 4304732526 11694 08S 17E 25	GRRV					
✓MONUMENT FEDERAL 32-25 4304732524 11707 08S 17E 25	GRRV					
✓MONUMENT FEDERAL 31-25 4304732530 11710 08S 17E 25	GRRV					
✓BALCRON FEDERAL 12-22Y 21331476 11717 08S 17E 22	GRRV					
✓BALCRON MONUMENT FEDERAL 33-25 4304732525 11729 08S 17E 25	GRRV					
✓MONUMENT FEDERAL 23-25 4304732529 11730 08S 17E 25	GRRV					
✓BALCRON MONUMENT STATE 24-2 4304732612 11736 09S 17E 2	GRRV					
✓BALCRON MONUMENT STATE 13-2 4301331482 11738 09S 17E 2	GRRV					
✓BALCRON MONUMENT STATE 22-2 4304732610 11742 09S 17E 2	GRRV					
✓BALCRON MONUMENT STATE 12-2 4301331481 11745 09S 17E 2	GRRV					
✓BALCRON FEDERAL 31-19Y 4304732614 11751 09S 18E 19	GRRV					
			TOTALS			

COMMENTS: _____

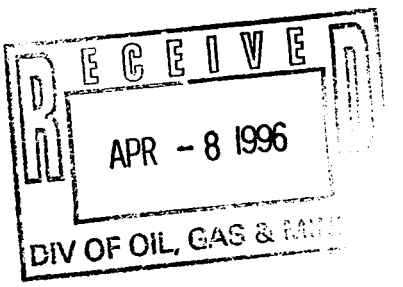
I hereby certify that this report is true and complete to the best of my knowledge. Date: _____

Name and Signature: _____ Telephone Number: _____

(12/93)

EQUITABLE RESOURCES
ENERGY COMPANY
BALCRON OIL DIVISION
1601 Lewis Avenue
Billings, MT 59102

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



March 22, 1996

Utah Division of Oil, Gas and Mining
355 West North Temple
Salt Lake City, UT 84180

Gentlemen:

Effective April 1, 1996, our name will change from Equitable Resources Energy Company, Balcron Oil Division to Equitable Resources Energy Company. Attached is a sundry notice reflecting that change. To simplify paperwork, I have done one sundry notice with copies for each of the wells. To this letter I have attached a list of our wells for your ease in filing the sundry notices in the well files. This should be sufficient for your purposes.

I have the listings on a spreadsheet so if it would be easier for you to have them sorted differently (for example, the Montana Board of Oil and Gas prefers them sorted by API number), please give me a call at (406) 259-7860, extension 240 and I would be glad to provide a list to your specifications.

This change affects only our company name. The physical locations of our offices and the personnel remain the same. We will be changing our well signs and ask for your patience and cooperation as this will be done as soon as possible but may take some time since we do have so many properties at which to make the change.

If you have any questions, please do not hesitate to give me a call.

Sincerely,

Bobbie Schuman

Bobbie Schuman
Regulatory and
Environmental Specialist

/hs

Enclosures

FORM 9

STATE OF UTAH

DIVISION OF OIL, GAS AND MINING

5. Lease Designation and Serial Number:	See attached listing
6. If Indian, Allottee or Tribe Name:	n/a
7. Unit Agreement Name:	See attached listing
8. Well Name and Number:	See attached listing
9. API Well Number:	See attached listing
10. Field and Pool, or Wildcat:	See attached listing

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☐ OTHER: See attached listing

2. Name of Operator: Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone Number: 1601 Lewis Avenue Avenue; Billings, MT 59102 (406) 259-7860

4. Location of Well

Footages: See attached listing County: See attached list

QQ, Sec.,T.,R.,M.: State: UTAH

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

NOTICE OF INTENT (Submit in Duplicate)		SUBSEQUENT REPORT (Submit Original Form Only)	
☐ Abandon	☐ New Construction	☐ Abandon *	☐ New Construction
☐ Repair Casing	☐ Pull or Alter Casing	☐ Repair Casing	☐ Pull or Alter Casing
☐ Change of Plans	☐ Recomplete	☐ Change of Plans	☐ Reperforate
☐ Convert to Injection	☐ Reperforate	☐ Convert to Injection	☐ Vent or Flare
☐ Fracture Treat or Acidize	☐ Vent or Flare	☐ Fracture Treat or Acidize	☐ Water Shut-Off
☐ Multiple Completion	☐ Water Shut-Off	☒ Other Operator name change	
☐ Other _____			

Approximate date work will start _____

Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective April 1, 1996, operator will change its name from Equitable Resources Energy Company, Balcron Oil Division TO: Equitable Resources Energy Company. Physical location of the operator remains as: 1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860, FAX: (406) 145-1361. This is to report the operator name change only. It affects the wells on the attached listing.

996

13.

Name & Signature: Bobbie Schuman Bobbie Schuman Title: Regulatory and Environmental Specialist Date: March 27, 1996

(This space for State use only)

(4\94) (See Instructions on Reverse Side)

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1	LEC 7-SJ ✓
2	~~DTS~~ 8-FILE
3	VLD (GIL)
4	RJF ✓
5	LEC ✓
6	FILM ✓

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

☐ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator KKK Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 4-1-96)

TO (new operator)	EQUITABLE RESOURCES ENERGY COEROM
(address)	1601 LEWIS AVE
	BILLINGS MT 59102-4126
	phone (406) 259-7860
	account no. N9890
FROM (former operator)	EQUITABLE RESOURCES ENERGY C
(address)	BALCRON OIL DIVISION
	1601 LEWIS AVE
	BILLINGS MT 59102-4126
	phone (406) 259-7860
	account no. N9890

Well(s) (attach additional page if needed):

Name: **SEE ATTACHED**	API: 043-31476	Entity:	Sec	Twp	Rng	Lease Type:
Name:	API:	Entity:	Sec	Twp	Rng	Lease Type:
Name:	API:	Entity:	Sec	Twp	Rng	Lease Type:
Name:	API:	Entity:	Sec	Twp	Rng	Lease Type:
Name:	API:	Entity:	Sec	Twp	Rng	Lease Type:
Name:	API:	Entity:	Sec	Twp	Rng	Lease Type:
Name:	API:	Entity:	Sec	Twp	Rng	Lease Type:

OPERATOR CHANGE DOCUMENTATION

Lec 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Rec'd 4-4-96 & 4-8-96)

N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).

N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) _____ If yes, show company file number: _____.

* 4. **(For Indian and Federal Wells ONLY)** The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.

Lec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) ~~for each well listed above~~. (4-10-96)

Lec 6. Cardex file has been updated for each well listed above. (4-11-96)

Lec 7. Well file labels have been updated for each well listed above. (4-11-96)

Lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (4-10-96)

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.

– OVER –

OPERATOR CHANGE WORKSHEET (CONTINUED) Initial each item when completed. Write N/A if item is not applicable.

ENTITY REVIEW

Lec 1. (Rule R615-8-7) 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. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only) #5578314 ($80,000) Safeco Ins. Co. (Bond Rider In Progress)

Lec 1. (Rule R615-3-1) 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 operators' bond files.

N/A 3. The former operator has requested a release of liability from their bond (yes/no) ___. Today's date _____ 19___. If yes, division response was made by letter dated _____ 19___.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

N/A 1. (Rule R615-2-10) The former operator/lessee of any **fee lease** well listed above has been notified by letter dated _____ 19___, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested. 4/22/96

DTS 2. Copies of documents have been sent to State Lands for changes involving **State leases**. Sent to Ed Bonner — Trust Lands

FILMING

KDR ___ 1. All attachments to this form have been microfilmed. Date: May 20 19 96.

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 have been filed in the Operator Change file.

COMMENTS

9/6/96 Blm/BIA "Formal approval not necessary".

FORM 9

STATE OF UTAH

DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

5. Lease Designation and Serial Number: See Attached

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

7. Unit Agreement Name: See Attached

1. Type of Well: OIL [X] GAS [ ] OTHER:

8. Well Name and Number: See Attached

2. Name of Operator: Inland Production Company

9. API Well Number: See Attached

3. Address and Telephone Number: 475 - 17th Street, Suite 1500, Denver, CO 80202

10. Field and Pool, or Wildcat: See Attached

4. Location of Well

Footages: See Attached Exhibit

County:

QQ, Sec., T., R., M.:

State:

RECEIVED

OCT 13 1997

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

NOTICE OF INTENT (Submit in Duplicate)		SUBSEQUENT REPORT (Submit Original Form Only)	
[ ] Abandon	[ ] New Construction	[ ] Abandon *	[ ] New Construction
[ ] Repair Casing	[ ] Pull or Alter Casing	[ ] Repair Casing	[ ] Pull or Alter Casing
[ ] Change of Plans	[ ] Recomplete	[ ] Change of Plans	[ ] Reperforate
[ ] Convert to Injection	[ ] Reperforate	[ ] Convert to Injection	[ ] Vent or Flare
[ ] Fracture Treat or Acidize	[ ] Vent or Flare	[ ] Fracture Treat or Acidize	[ ] Water Shut-Off
[ ] Multiple Completion	[ ] Water Shut-Off	[X] Other Change of Operator	
[X] Other Change of Operator			

Approximate date work will start: _____

Date of work completion: 9-30-97

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. 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 State of Utah Statewide Bond No. 4471291.

OCT 16 1997

13.

Name & Signature: Chris A. Potter Title: CHRIS A. POTTER, ATTORNEY-IN-FACT Date: 9/30/97

(This space for State use only)

(See Instructions on Reverse Side)

Inland Resources Change of Operator

WELL NAME	LOCATION	COUNTY	ST	FIELD NAME	API NUMBER	LEASE NO.	AGEEMENT
AMERADA GUINAND #1	SWNW 7 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-20245-00	UTU016271V	UTU72085A
COYOTE BASIN #1-12	NESE 128S 24E	UINTAH	UT	COYOTE BASIN	43-047-20221-00	UTU58226	UTU72085A
COYOTE BASIN #32-6	6 8S 25E	UINTA	UT	COYOTE BASIN	43-047-31835-00	UTU020309D	UTU72085A
COYOTE BASIN #42-6X	SENE 6 8S 25E	UINTA	UT	COYOTE BASIN	43-047-32346-00	UTU017439B	UTU72085A
COYOTE BASIN FED. #13-7	NWSW 7 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-32255-00	UTU41377	UTU72085A
COYOTE BASIN FEDERAL #12-13	SWNW 138S 24E	UINTA	UT	COYOTE BASIN	43-047-31266-00		UTU72085A
COYOTE BASIN FEDERAL #13-5	NWSW 5 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-32261-00	UTU063597A	UTU72085A
COYOTE BASIN FEDERAL #13-13	NWSW 138S 24E	UINTAH	UT	COYOTE BASIN	43-047-32196-00	UTU67208	UTU72085A
COYOTE BASIN FEDERAL #21-7	NENW 7 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-31673-00	UTU41377	UTU72085A
COYOTE BASIN FEDERAL #22-7	SENW 7 9S 25E	UINTAH	UT	COYOTE BASIN	43-047-32256-00	UTU41377	UTU72085A
COYOTE BASIN FEDERAL #33-5	NWSE 5 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-32257-00	UTU063597A	UTU72085A
COYOTE BASIN FEDERAL #43-12	NESE 128S 24E	UINTA	UT	COYOTE BASIN	43-047-30943-00	UTU038797	UTU72085A
COYOTE FEDERAL #12-5	SWNW 5 8S 25E	UNITAH	UT	COYOTE BASIN	43-047-32253-00	UTU063597A	UTU72085A
COYOTE FEDERAL #21-5	NENW 5 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-32260-00	UTU063597A	UTU72085A
COYOTE FEDERAL #31-7	NWNE 7 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-32254-00	UTU020309D	UTU72085A
EAST RED WASH #2-5	NWNW 5 8S 25E	UINTA	UT	COYOTE BASIN	43-047-20252-00	UTU063597A	UTU72085A
EAST RED WASH FED. #1-12	SWNE 128S 24E	UINTA	UT	COYOTE BASIN	43-047-20207-00	UTU038797	UTU72085A
EAST RED WASH FED. #4-6	SWSE 6 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-20261-00	UTU020309D	UTU72085A
EAST RED WASH FEDERA #1-13	NENW 138S 24E	UINTA	UT	COYOTE BASIN	43-047-20222-00	UTU018073	UTU72085A
EAST RED WASH FEDERA #1-5	SENW 5 8S 25E	UINTA	UT	COYOTE BASIN	43-047-20174-00	UTU063597A	UTU72085A
EAST RED WASH FEDERA #1-6	NESE 6 8S 25E	UINTA	UT	COYOTE BASIN	43-047-20208-00	UTU017439B	UTU72085A
FEDERAL #14-4	SWSW 4 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-15678-00	UTU41376	UTU72085A
TXO FEDERAL #2	SENE 5 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-31567-00	UTU41376	UTU72085A
TXO FEDERAL #1	SWNE 5 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-31406-00	UTU41376	UTU72085A
BALCRON FEDERAL #12-20Y	SWNW 209S 18E	UINTAH	UT	EIGHT MILE FLAT (8)	43-047-32617-00	UTU64917	
BALCRON FEDERAL #31-19Y	NWNE 199S 18E	UINTAH	UT	EIGHT MILE FLAT (8)	43-047-32614-00	UTU65635	
BALCRON FEDERAL #32-19Y	SW NE 199S 18E	UINTAH	UT	EIGHT MILE FLAT (8)	43-047-32615-00	UTU65635	
BALCRON FEDERAL #42-19Y	SENE 199S 18E	UINTAH	UT	EIGHT MILE FLAT (8)	43-047-32616-00	UTU65635	
BALCRON FEDERAL #31-5Y	NWNE 5 9S 18E	UINTAH	UT	EIGHT MILE FLAT (U)	43-047-32503-00	UTU65970	
BALCRON FEDERAL #11-22Y	NW NW 228S 17E	DUCHESNE	UT	MONUMENT BUTTE (22)	43-013-31539-00	UTU66191	
BALCRON FEDERAL #12-22Y	SWNW 228S 17E	DUCHESNE	UT	MONUMENT BUTTE (22)	43-013-31476-00	UTU66191	
BALCRON FEDERAL #22-22Y	SE NW 228S 17E	DUCHESNE	UT	MONUMENT BUTTE (22)	43-013-31538-00	UTU76240	
FEDERAL #1-26	NENW 268S 17E	UINTAH	UT	MONUMENT BUTTE (22)	43-047-31953-00	UTU76240	
MONUMENT FEDERAL #13-22Y	NW SW 228S 17E	DUCHESNE	UT	MONUMENT BUTTE (22)	43-013-31583-00	UTU76240	
MONUMENT FEDERAL #23-22-8-17	NESW 228S 17E	DUCHESNE	UT	MONUMENT BUTTE (22)	43-013-31702-00	UTU76240	
MONUMENT FEDERAL ##31-22	NW NE 228S 17E	DUCHESNE	UT	MONUMENT BUTTE (22)	43-013-31587-00	UTU76240	
MONUMENT FEDERAL #32-22-8-17	SW NE 228S 17E	DUCHESNE	UT	MONUMENT BUTTE (22)	43-013-31586-00	UTU76240	
MONUMENT FEDERAL #33-22-8-17	NWSE 228S 17E	DUCHESNE	UT	MONUMENT BUTTE (22)	43-013-31588-00	UTU76240	
BALCRON FEDERAL #11-20Y	NW NW 209S 18E	UINTAH	UT	MONUMENT BUTTE (8)	43-047-32712-00	UTU64917	

Inland
RESOURCES INC.

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

Patsy Barreau

/pb
encls.

475 Seventeenth Street, Suite 1500, Denver, CO 80202 • 303-292-0900 • FAX 303-296-4070

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

December 5, 1997

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

43-013-31476

Re: Well No. Monument Fed. 12-22Y
SWNW, Sec. 22, T8S, R17E
Lease U-66191
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 Petroleum Corp.
Myco Industries Inc.
Yates Drilling Company
Yates Petroleum Corp.

EQUITABLE RESOURCES
ENERGY COMPANY
WESTERN REGION
(406) 259-7860 Telephone
(406) 245-1361 Fax

December 10, 1997

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

Dear Lisha:

RE: Equitable Sale of Utah Properties

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

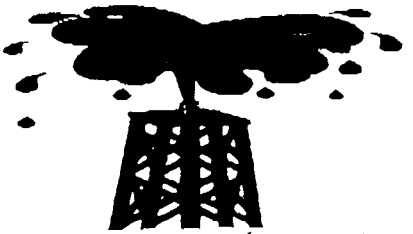
Please feel free to contact me if you require additional information.

Sincerely,

Molly Conrad

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.

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

Routing:

1-LEC	6-LEC
2-GLH	7-KAS
3-DTS/SLS	8-SI
4-VLD	9-FILE
5-JRB	

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

XXX Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

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

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

WELL(S) attach additional page if needed:

Name:	**SEE ATTACHED**	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:		
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. (12-9-97)

LEC 6. **Cardex** file has been updated for each well listed above. (12-10-97)

LEC 7. Well **file labels** have been updated for each well listed above. (12-10-97)

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. (12-9-97)

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.

OPERATOR CHANGE WORKSHEET (continued) - Initial each item when completed. Write N/A if item is not applicable.

ENTITY REVIEW

LC 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/Fee 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.
DTS 12/16/97

N/A 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

___ 1. All attachments to this form have been **microfilmed**. Today's date: _____.

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

971209 BLM / Vernal Aprv 12-4-97

Inland
RESOURCES INC.

RECEIVED
AUG 10 1998
DIV. OF OIL, GAS & MINING

July 31, 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 #12-22Y, Proposed Canvasback Unit
Monument Butte Field, Lease #U-66191
Section 22-Township 8S-Range 17E
Duchesne County, Utah

Dear Mr. Jarvis:

Inland Production Company herein requests approval to convert the Monument Federal #12-22Y from a producing oil well to a water injection well in the Monument Butte (Green River) Field, Proposed Canvasback Unit.

Please note that the water analysis submitted with this application is that of a nearby well, the Boundary Federal #9-21.

Should you have any questions or require additional information, please contact me at (303) 382-4434.

Sincerely,

Debbie E. Knight

Debbie E. Knight
Manager, Regulatory Compliance

410 Seventeenth Street, Suite 700, Denver, CO 80202 • 303-893-0102 • FAX 303-893-0103

INLAND PRODUCTION COMPANY

APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL

MONUMENT FEDERAL #12-22Y

MONUMENT BUTTE FIELD (GREEN RIVER) FIELD

CANVASBACK UNIT

LEASE #U-66191

JULY 31, 1998

TABLE OF CONTENTS

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

RECEIVED
AUG 10 1998
DIV. OF OIL, GAS & MINING

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

Well Name and number: Monument Federal #12-22Y
Field or Unit name: Canvasback Unit (Green River) Lease No. U-66191
Well Location: QQ SWNW section 22 township 8S range 17E county Duchesne

Is this application for expansion of an existing project? . . . . . Yes [X] No [ ]
Will the proposed well be used for: Enhanced Recovery? . . . . . Yes [X] No [ ]
Disposal? . . . . . Yes [ ] No [X]
Storage? . . . . . Yes [ ] No [X]
Is this application for a new well to be drilled? . . . . . Yes [ ] No [X]
If this application is for an existing well,
has a casing test been performed on the well?. . . . . Yes [X] No [ ]
Date of test: 1/16/95
API number: 43-013-31476

Proposed injection interval: from 4804' to 6248'
Proposed maximum injectic n: rate 500 bpd pressure 1630 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 7/30/98
Phone No. (303) 292-0900

(State use only)
Application approved by Title
Approval Date

Comments:

BALCRON FEDERAL #12-22Y
SW NW Sec. 22, T8S, R17E
2105' FNL, 660' FWL
LEASE #U-66191
Undesignated Field
Duchesne County, Utah

Elev.GR - 5192' GL
Elev.KB - 5202' KB (10' KB)

PR OPOSED INJECTION WELLBORE DIAGRAM

DATE : 2/28/96 vk

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 9 jts (394.88 ft)
DEPTH LANDED: 404.88' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: Western - 250 sxs class "G" w/ 2% CCI & 1/4 #/sx celloseal

405' KB

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 156 jts (6575.52 ft)
DEPTH LANDED: 6584.52' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: Western - 130 sxs super "G" w/ (47# "G" + 20# Poz + 17# CSE)/sk +3% salt + 2% gel + (2# Hi-Seal + 1/4 #Cello-seal)/sk, tailed w/ 480 sxs 50/50 Poz + 2% gel + (1/4# Cello-seal + 2# Hi-Seal 2)/sk.

CEMENT TOP AT: 2983' KB CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 154 jts (4745.93 ft)
PACKER: 4770'
NO. OF JOINTS:
SEATING NIPPLE:
PERFORATED SUB:
MUD ANCHOR:
TOTAL STRING LENGTH: 6296.49 ft (EOT @ 6306.49' KB)
SN LANDED AT:

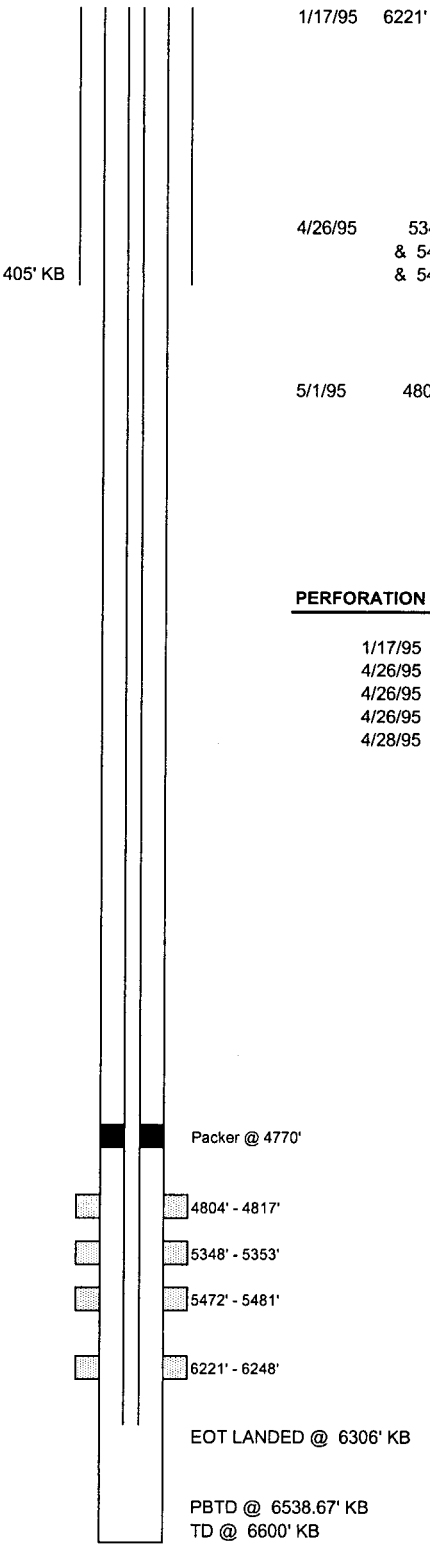
POLISHED ROD:
SUCKER RODS:

TOTAL ROD STRING LENGTH:

PUMP NUMBER:
PUMP SIZE:

STROKE LENGTH:
PUMP SPEED, SPM:
PUMPING UNIT SIZE:
PRIME MOVER:

LOGS: CBL-GR, Compensated Neutron Litho-Density Gamma Ray, Dual Laterolog w/ linear correlation log Gamma Ray



FRAC JOB

1/17/95	6221' - 6248'	Western - 12,600 gal 2% KCl water pad, followed by 33,390 gal 2% KCl w/ 80,040 # 20/40 + 87,580# 16/30. Flushed w/ 6218 gal 2% KCl water. ATP-1900, Max-2400#, ATR-32.8 bpm, Max-33.4 bpm. ISIP - 2000 psi, 5min-1920, 10min-1800, 15min-1750, 30min-1650psi. Force closure flow back 0.5bpm, 30min=1.5 bbl.FracGrad-0.761
4/26/95	5348' - 5353' & 5472' - 5475' & 5479' - 5481'	Western - 3000gal 2% KCl water pad followed by 11,500 gal 2% KCl gel w/ 26,920 # 20/40 + 38,000 # 16/30 sand, Flushed w/ 5345 gal 2% KCl water. ATP-2200#, Max-2830 #, ATR-33 bpm, Max-34.5 bpm, ISIP-1680 psi. 5min-1440, 10min-1300, 15min-1230 psi.
5/1/95	4804' - 4817'	BJ - 2982 gal 2% KCl water pad, followed by 19,026 gal 2% KCl gel w/ 80,400 # 16/30 sand. ATP-1850#, Max-2300#, ATR-30 bpm, Max-30.6 bpm. ISIP-1900 psi, 5 min-1570#, 10min-1480, 15min-1400, 30min-1250.

PERFORATION RECORD

1/17/95	6221' - 6248'	2 SPF	27 ft	54 holes
4/26/95	5348' - 5353'	5 ft	7 holes	
4/26/95	5472' - 5475'	3 ft	4 holes	
4/26/95	5479' - 5481'	2 ft	3 holes	
4/28/95	4804' - 4817'	4 SPF	13 ft	52 holes

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 17th 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 #12-22Y from a producing oil well to a water injection well in the Monument Butte (Green River) Field, Canvasback 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 #12-22Y well, the proposed injection zone is from 4804'-6248'. 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 6221'.

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

   The referenced log for the Monument Federal #12-22Y 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 #U-66191), in the Monument Butte (Green River) Field, Canvasback 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 404.88' GL, and the 5-1/2" casing run from surface to 6584.52' 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 1630 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 #12-22Y, for proposed zones (4804' – 6248') calculates at .74 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 1630 psig. See Attachment G through G-3.

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

In the Monument Federal #12-22Y, the injection zone (4804'-6248') 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-9.

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.

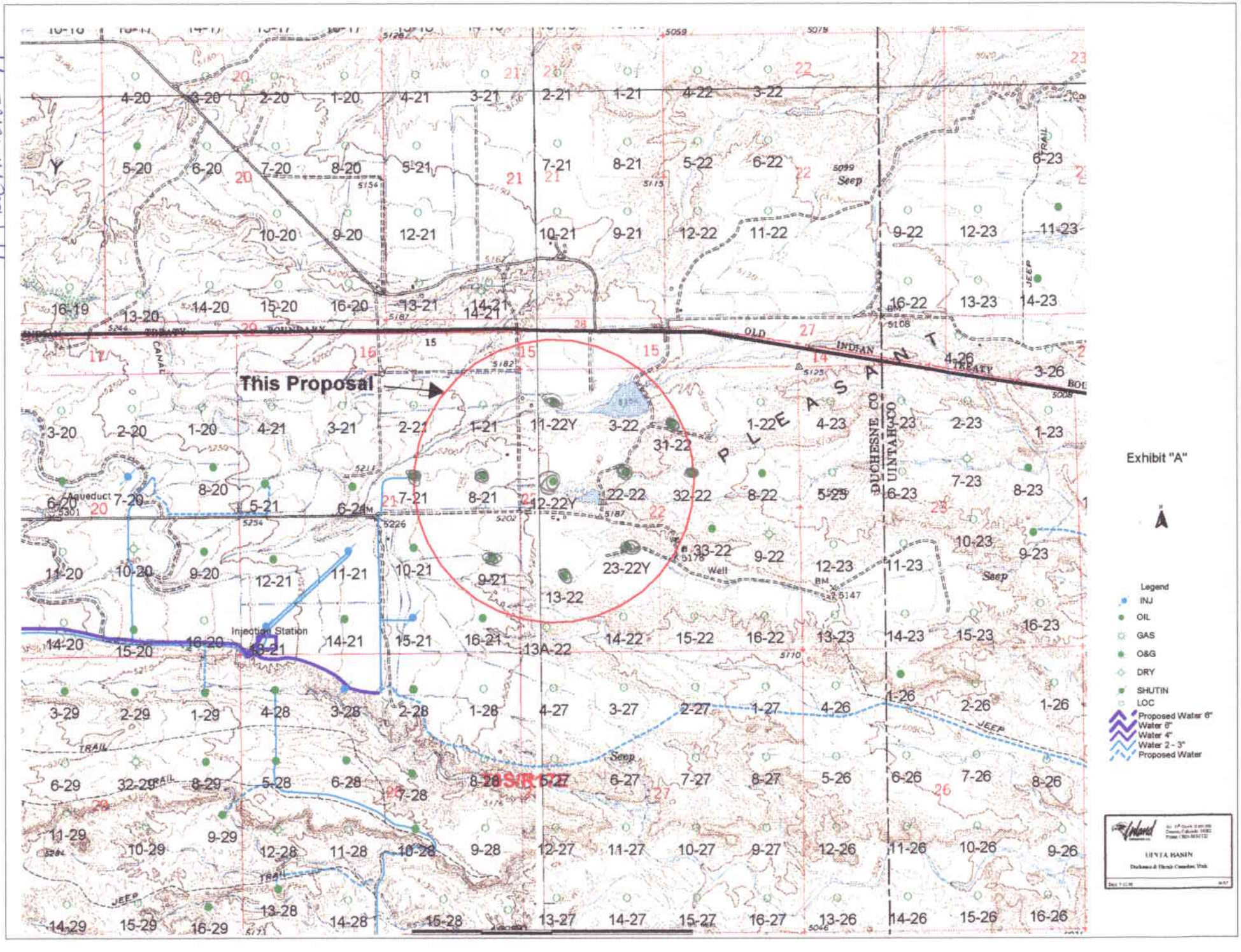
2.12 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.

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

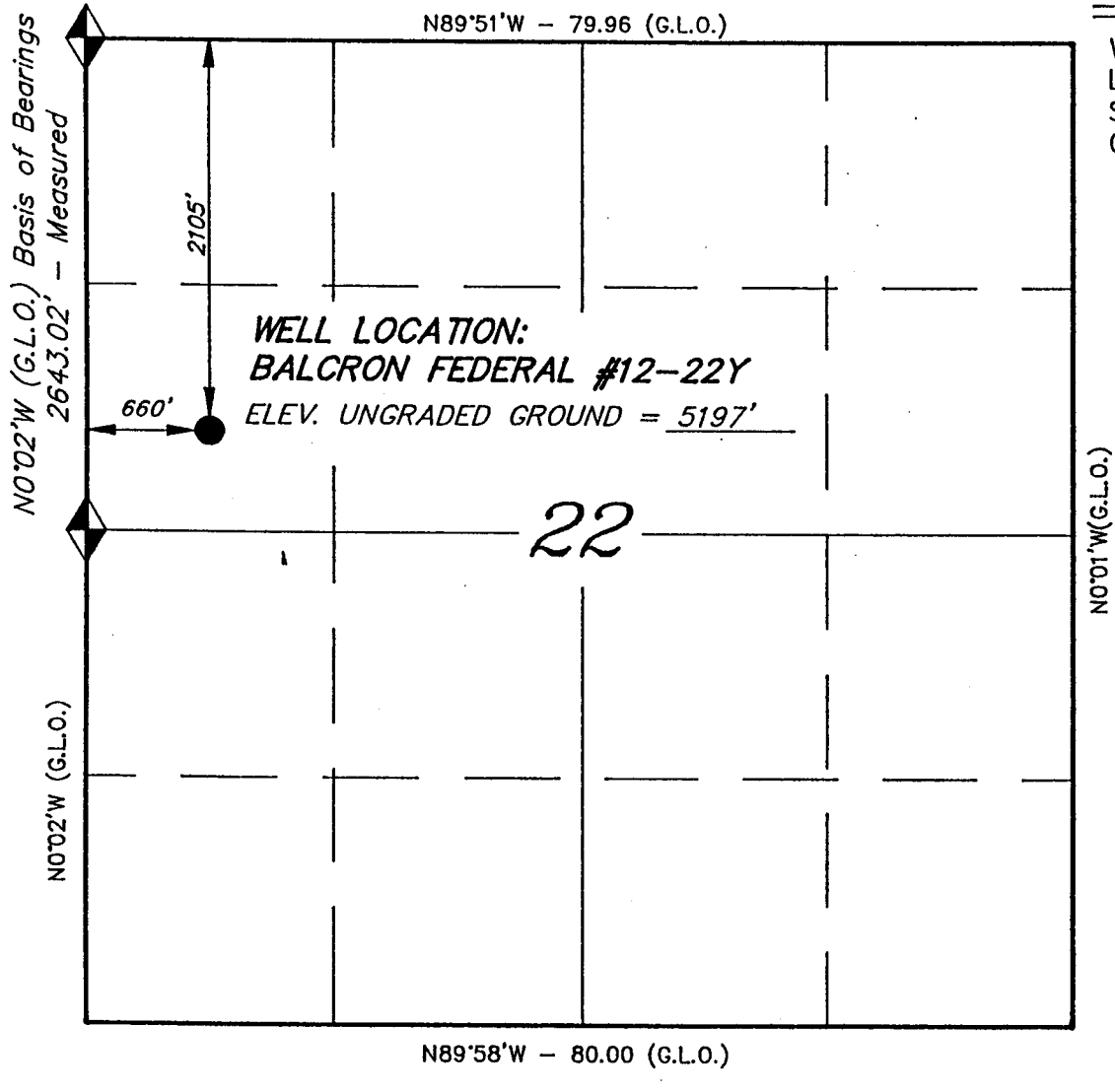


Attachment A-1

T8S, R17E, S.L.B.&M.

EQUITABLE RESOURCES ENERGY CO.

WELL LOCATION, BALCRON FEDERAL #12-22Y, LOCATED AS SHOWN IN THE SW 1/4 NW 1/4 OF SECTION 22, T8S, R17E, 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
NO. 144102
REGISTERED LAND SURVEYOR
REGISTRATION No. 144102
STATE OF UTAH

Gene Stewart

= SECTION CORNERS LOCATED

BASIS OF BEARINGS; G.L.O. DATED 1910

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

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

SCALE: 1" = 1000'	SURVEYED BY: G.S.
DATE: 10-11-94	WEATHER: COOL
NOTES:	FILE #12-22Y

EXHIBIT "K"

EXHIBIT B
Page 1

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
1	Township 8 South, Range 17 East Section 14: All Section 15: All Section 22: W/2NW/4	U-66191 HBP	Inland Production Company Yates Petroleum Corporation ABO Petroluem Corporation Yates Drilling Company Myco Industries	(Surface Rights) USA
2	Township 8 South, Range 17 East Section 22: NE/4, E/2NW/4, S/2	U-77233 HBP	Inland Production Company	(Surface Rights) USA
3	Township 8 South, Range 17 East Section 21: N/2NE/4, SW/4NE/4	L. Clark Roberts HBP	Inland Production Company	(Surface Rights) L. Clark Roberts
4	Township 8 South Range 17 East Section 16: All	ML-45554 4/30/2002	Inland Production Company	(Surface Rights) St. of Utah
5	Township 8 South Range 17 East Section 17: All Section 18: Lots 1,2 Section 19: E/2 Section 20: All Section 21: W/2, SE/4	UTU-76954 HBP	Inland Production Company	(Surface Rights) USA

Attachment B

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well
Monument Federal #12-22Y

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 31st day of July, 1998.

Notary Public in and for the State of Colorado: Patsy A. Barreau

PATSY A. BARREAU NOTARY PUBLIC STATE OF COLORADO

My Commission Expires 11/14/2000

Attachment E

BALCRON FEDERAL #12-22Y
SW NW Sec. 22, T8S, R17E
2105' FNL, 660' FWL
LEASE #U-66191
Undesignated Field
Duchesne County, Utah

Elev.GR - 5192' GL
Elev.KB - 5202' KB (10' KB)

WELLBORE DIAGRAM

DATE : 2/28/96 vk

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 9 jts (394.88 ft)
DEPTH LANDED: 404.88' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: Western - 250 sxs class "G" w/ 2% CCI & 1/4 #/sx celloseal

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 156 jts (6575.52 ft)
DEPTH LANDED: 6584.52' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: Western - 130 sxs super "G" w/ (47# "G" + 20# Poz + 17# CSE)/sk +3% salt + 2% gel + (2# Hi-Seal + 1/4 #Cello-seal)/sk, tailed w/ 480 sxs 50/50 Poz + 2% gel + (1/4# Cello-seal + 2# Hi-Seal 2)/sk.

CEMENT TOP AT: 2983' KB CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 154 jts (4745.93 ft)
TUBING ANCHOR: Trico (2.8 ft) set w/ 13" tension
NO. OF JOINTS: 49 jts (1512.20 ft)
SEATING NIPPLE: 2-7/8" x 1.1'
PERFORATED SUB: 2-7/8" x 4' (3.9 ft)
MUD ANCHOR: 1 jt (30.56 ft)
TOTAL STRING LENGTH: 6296.49 ft (EOT @ 6306.49' KB)
SN LANDED AT: 6272.03' KB

SUCKER RODS

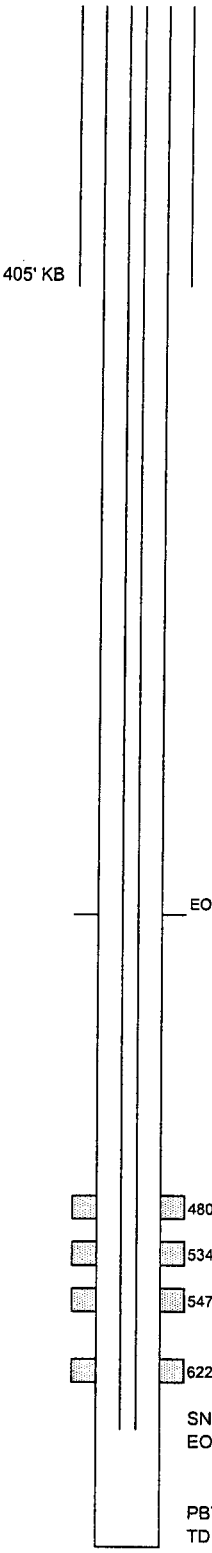
POLISHED ROD: 1-1/2" x 22' SM
SUCKER RODS: 1 - 3/4" x 4' Pony
250 - 3/4" x 25' D-61 Plain

TOTAL ROD STRING LENGTH: 6270.5 ft

PUMP NUMBER: Trico # 1096
PUMP SIZE: 2-1/2" x 1-1/2" x 16' RWAC w/ PA plunger

STROKE LENGTH: 89 in
PUMP SPEED, SPM: 4.2 SPM
PUMPING UNIT SIZE: American 320G (320-256-120)
PRIME MOVER: Ajax E-42

LOGS: CBL-GR, Compensated Neutron Litho-Density Gamma Ray, Dual Laterolog w/ linear correlation log Gamma Ray



ACID JOB /BREAKDOWN

1/17/95	6221' - 6248'	Western - 2856 gal 2% KCl water w/ 125 ball sealers. ATP- 2400 psi, Max-5000psi, ATR-6 bpm, Max - 6 bpm. ISIP-1650 psi. Surged balls off. Frac Gradient - 0.704
4/26/95	5348' - 5353'	Western - 3696 gal 2% KCl water w/ 14 ball sealers. No Ball off. ATP - 2400#, Max-5000#, ATR-4.2 bpm. ISIP-1000 #
4/26/95	5472' - 5475' & 5479' - 5481'	Western - 2940 gal 2% KCl water w/ 14 ball sealers, Balled Off. ATP-2000#, Max-5000#, ATR-3.9 bpm. ISIP-1400 psi.
5/1/95	4804' - 4817'	BJ - 2898 gal 2% KCl water w/ 100 ball sealers. Ball action. ATP-2500#, Max-3800#, ATR-6 bpm, Max-6.1. ISIP-980#

FRAC JOB

1/17/95	6221' - 6248'	Western - 12,600 gal 2% KCl water pad, followed by 33,390 gal 2% KCl w/ 80,040 # 20/40 + 87,580# 16/30. Flushed w/ 6218 gal 2% KCl water. ATP-1900, Max-2400#, ATR-32.8 bpm, Max-33.4 bpm. ISIP - 2000 psi, 5min-1920, 10min-1800, 15min-1750, 30min-1650psi. Force closure flow back 0.5bpm, 30min=1.5 bbl.FracGrad-0.761
4/26/95	5348' - 5353' & 5472' - 5475' & 5479' - 5481'	Western - 3000gal 2% KCl water pad followed by 11,500 gal 2% KCl gel w/ 26,920 # 20/40 + 38,000 # 16/30 sand, Flushed w/ 5345 gal 2% KCl water. ATP-2200#, Max-2830 #, ATR-33 bpm, Max-34.5 bpm, ISIP-1680 psi. 5min-1440, 10min-1300, 15min-1230 psi.
5/1/95	4804' - 4817'	BJ - 2982 gal 2% KCl water pad, followed by 19,026 gal 2% KCl gel w/ 80,400 # 16/30 sand. ATP-1850#, Max-2300#, ATR-30 bpm, Max-30.6 bpm. ISIP-1900 psi, 5 min-1570#, 10min-1480, 15min-1400, 30min-1250.

PERFORATION RECORD

1/17/95	6221' - 6248'	2 SPF	27 ft	54 holes
4/26/95	5348' - 5353'		5 ft	7 holes
4/26/95	5472' - 5475'		3 ft	4 holes
4/26/95	5479' - 5481'		2 ft	3 holes
4/28/95	4804' - 4817'	4 SPF	13 ft	52 holes

Attachment E-1

Balcron Monument Federal #11-22-8-17Y
Monument Butte Field (Pariette Draw Area)
Lease #U-66191
NW NW Section22, T8S, R17E
635' FNL, 658' FWL
Duchesne County, Utah

Elev. GR - 5175' GL
Elev. KB - 5185' KB (10' KB)

WELLBORE DIAGRAM

DATE : 10/30/96 vk

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 252.29'
DEPTH LANDED: 262.29' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: BJ Services: 160 sks class "G" w/ 2% $CaCl_2$, 1/4#/sk cello-seal.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 6414.20'
DEPTH LANDED: 6424.20' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: BJ Services: 645 sks Super "G", 47#/sk G, 3% gel, 3#/sk POZ, 34#/sk BA-91, 2%gel, 3% salt, 3#/sk KOL seal, 1/4#/sk cello-seal. Tail w/ 425 sks 50/50 POZ, 2%gel, 1/4#/sk cello-seal, 2#/sk KOL seal.

CEMENT TOP AT: 100' KB

TUBING

SIZE/GRADE/WT.: 2-7/8"8rd EUE/ J-55/ 6.5#
NO. OF JOINTS: ?? Jts (4534.94')
TUBING ANCHOR: 2-7/8"x5-1/2"x2.75' Trico
NO. OF JOINTS: 56 Jts (1751.59')
SEATING NIPPLE: 2-7/8"x1.10'
PERFORATED SUB: 2-7/8"x4.10'
MUD ANCHOR: 2-7/8"x33.10'
STRING LENGTH: 6327.98'
SN LANDED AT: 6299' KB

SUCKER RODS

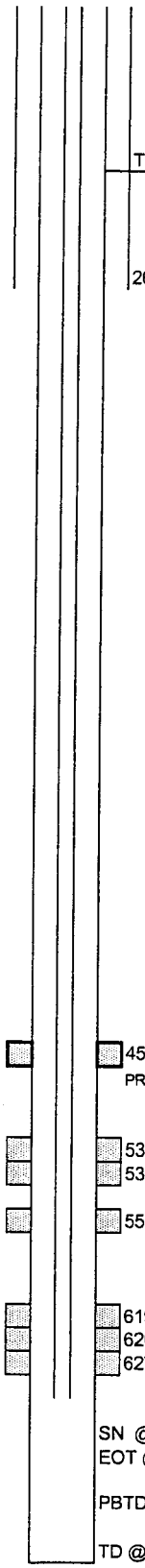
POLISHED ROD: 1-1/4"x22' SM
SUCKER RODS: 251-3/4"x25' D-61 Plain

TOTAL STRING LENGTH: 6297'

PUMP NUMBER: Trico #??
PUMP SIZE: 2-1/2"x1-1/2"x16' RWAC

STROKE LENGTH: 64 inches
PUMP SPEED, SPM: 3.5 SPM
PUMPING UNIT: American 228-212-86
PRIME MOVER: Ajax E-42

LOGS: CBL/GR
SpectralDensity Dual Spaced Neutron Log.
Dual Laterolog



ACID JOB /BREAKDOWN

11/9/95	6196'-6198' 6202'-6220'	BJ Services: 3015 gal 2% KCL wtr w/ 80 ball sealers.Ball ation but no ball out. ATP=2100 psi, ATR=5.0 bpm, ISIP=1350 psi.
11/9/95	6270'-6281'	BJ Services: 2469 gal 2% KCL wtr w/ 44 ball sealers. Balled out. ATP= 2400 psi, ATR=4.9 bpm, ISIP=1500 psi.
11/13/95	5387'-5389' 5391'-5396'	BJ Services: 2058 gal 2% KCL wtr w/ 20 ball sealers. Balled out. ATP=2000 psi. ATR= 5.0 bpm, ISIP=1300 psi.
11/13/95	5507'-5509'	BJ Serfvices: 2142 gal 2 % KCL wtr w/ 8 ball sealers. Balled out. ATP=2600 psi, ATR=4.4 bpm, ISIP=1500 psi.
11/16/95	4585'-4594'	BJ Services: No treatment report in file.

FRAC JOB

11/9/95	6196'-6198' 6202'-6220' 6270'-6281'	BJ Services: 25,830 gal 2% KCL wtr, 38,460 # 20/40 sand, 58,500# 16/30 sand. ATP=1950 psi, ATR=30.0 bpm, ISIP=2100 psi, 5 min=1900 psi, 10 min= 1770 psi, 15 min=1690 psi, 30 min=1690 psi.
11/13/95	5387'-5389' 5391'-5396' 5507'-5509'	BJ Services: 18,900 gal 2% KCL wtr, 23,580# 20/40 sand, 35,020# 16/30 sand. ATP=2850 psi, ATR=30.5 bpm, ISIP=1800 psi, 5 min= 1725 psi, 10 min=1588 psi, 15 min=1512 psi, 30 min= 1389 psi.
11/16/95	4585'-4594'	BJ Services: 15,960 gal 2% KCL wtr, 53,000# 16/30 sand. ATP=2500 psi, ATR=31.0 bpm, ISIP= 4990 psi, 5 min=4780 psi, 10 min=3530psi, 15 min= 2530 psi.

PERFORATION RECORD

11/9/95	Cutter	6196'-6198'	2 SPF
		6202'-6220'	2 SPF
		6270'-6281'	2 SPF
11/13/95	Cutter	5507'-5509'	4 holes
		5391'-5396'	8 holes
		5387'-5389'	2 holes
11/15/96	Cutter	4585'-4594'	??

10/30/1996 4585' - 4594' **PROPOSED TO SQUEEZE**

Attachment E-2

Monument Federal #13-22-8-17Y
Monument Butte
U-67845
NW SW Section 22, T8s, R17E
1446' FSL, 863' FWL
Duchesne County, Utah

Elev.GR -5190" GL
Elev.KB - 5200" KB

WELLBORE DIAGRAM

DATE : 7/23/96 DZ

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 248' (6 Jts)
DEPTH LANDED: 258' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: BJ Services: 160 sks "G" w/2% $CaCL_2$, 1/4#/sk Cello-Flake.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 6337.08' (150 Jts)
DEPTH LANDED: 6347.08'
HOLE SIZE: 7-7/8"
CEMENT DATA: BJ Services: 325 sks Super "G", 3% salt, 2% gel, 2#/sk KOl Seal, 1/4#/sk Cello-Flake' Tail w/ 390 sks 50/50 POZ 25 gel, 1/4#/sk Cello Flake, 2#/sk KOL seal.

CEMENT TOP AT: 1440' KB

TUBING

SIZE/GRADE/WT.: 2-7/8" 8rd EUE/J-55/6.5#
NO. OF JOINTS: 152 Jts (4674.82')
TUBING ANCHOR: 2-7/8"x5-1/2"x2.75' Trico
NO. OF JOINTS: 38 Jts (1174.91')
SEATING NIPPLE: 2-7/8"x1.10'
PERFORATED SUB: 2-7/8"x4.20'
MUD ANCHOR: 2-7/8"x28.77'
STRING LENGTH: 5886.95'
SN LANDED AT: 5863.58' KB

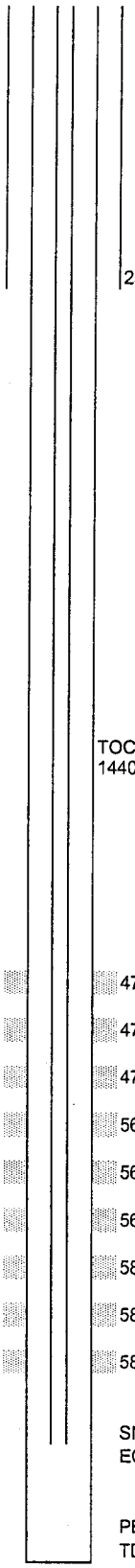
SUCKER RODS

POLISHED ROD: 1-1/4"x22' SM
SUCKER RODS: 232-3/4"x25' D-61 Plain
1-7/8"x2' Pony
1-1-1/2"x25' K-Bar
1-7/8"x2' Pony w/ guide
TOTAL STRING LENGTH: 5851'

PUMP NUMBER: Trico #1170
PUMP SIZE: 2-1/2"x1-1/2"x16' RWAC

STROKE LENGTH: 84 inches
PUMP SPEED, SPM: 6-1/2 SPM
PUMPING UNIT: Lufkin C3200-305-100
PRIME MOVER: Ajax E-42

LOGS: CBL/GR
Dual Laterolog w/ linear Correlation GR
Compensated Neutron
Litho Density GR Log



ACID JOB /BREAKDOWN

6/3/96	5808'-5810' 5820'-5823' 5827'-5831'	BJ Services: 2142 gal 2% KCL wtr w/ 72 ball sealers. Balled out. ATP=2500 psi, ATR= 4.3 bpm, ISIP=1650 psi.
6/4/96	5668'-5671' 5674'-5676' 5680'-5688'	BJ Services: 2% KCL wtr w/ 104 ball sealers. Balled out. ATP=2100 psi, ATR= 4.4 bpm, ISIP=1600 psi.
6/7/96	4746'-4723' 4772'-4776' 4778'-4780'	BJ Services: 2478 gal 2% KCL wtr w/ 104 ball sealers, Balled out. ATP=2100 psi, ATR=4.7 bpm, ISIP=1500 psi.

FRAC JOB

6/3/96	5808'-5810' 5820'-5823' 5827'-5831'	BJ Services: 12,180 gals 2% KCL wtr w/ 14,800 # 16/30 sand. ATP=2600 psi, ATR=32.8 bpm, ISIP=2180 psi, 5 min=1930, 10 min= 1860 psi, 15 min=1820 psi.
6/4/96	5668'-5671' 5674'-5676' 5680'-5688'	BJ Services: 11,130 gal 2% KCL wtr w/ 12,500# 16/30 sand. ATP=2050 psi, ATR=32.5 bpm, ISIP= 1700 psi, 5 min=1560 psi, 10 min=1470 psi, 15 min= 1400 psi, 30 min=1280 psi.
6/7/96	4746'-4723' 4772'-4776' 4778'-4780'	BJ Services: 9954 gal 2% KCL wtr w/ 13,420 # 16/30 sand. ATP=2200 psi, ATR= 33.8 bpm, 5 min=1550 psi, 10 min=1470 psi, 15 min= 1410 psi, 30 min=1280 psi.

PERFORATION RECORD

6/3/96	Schlumberger	5808'-5810'	4 SPF
		5820'-5823'	4 SPF
		5827'-5831'	4 SPF
6/4/96	Schlumberger	5668'-5671'	4 SPF
		5674'-5676'	4 SPF
		5680'-5688'	4 SPF
6/6/96	Schlumberger	4746'-4753'	4 SPF
		4772'-4776'	4 SPF
		4778'-4780'	4 SPF

Attachment E-3

BALCRON FEDERAL #22-22-8-17Y
SE NW Sec. 22 T9S, R17E
1945' FNL, 2030' FWL
U-67845
Monument Butte Field
Duchesne County, Utah

Elev.GR - 5159' GL
Elev.KB - 5169'KB (10' KB)

WELLBORE DIAGRAM

DATE : 2/28/96 vk

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 8 jts (321.90 ft)
DEPTH LANDED: 332' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: BJ - 215 sxs class "G" + 2% CaCl2 + 1/4 #/sk Cello-Seal

332' KB

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 148 jts (6372.92 ft)
DEPTH LANDED: 6386' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: BJ - 140 sxs Super "G" w/ (47# "G" + 3# Poz + 34# BA-91)/sk + 2% gel + (2# Hi-Seal 2 + 1/4 # Cello-Seal)/sk tailed by 484 sxs 50/50 Poz + 2% gel + (1/4# Cello-Seal + 2# Hi-Seal 2)/sk

CEMENT TOP AT: 2690' KB per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 154 jts (4697.61 ft)
TUBING ANCHOR: Trico (2.35 ft)
NO. OF JOINTS: 42 jts (1274.05 ft)
SEATING NIPPLE: 2-7/8" (1.1 ft)
PERFORATED SUB: 2-7/8" (4.2 ft)
MUD ANCHOR: 1 jt w/ pinned NC (26.10 ft)
TOTAL STRING LENGTH: 6005.41 ft (EOT @ 6015.41' KB)
SN LANDED AT: 5985.11' KB

SUCKER RODS

POLISHED ROD: 1-1/4" x 22' SM
SUCKER RODS: 5 - 3/4" x 4' Pony
239 - 3/4" x 25' D-61 Plain

TOTAL ROD STRING LENGTH: 6011.50 ft

PUMP NUMBER: Trico #1126
PUMP SIZE: 2-1/2" x 1-1/2" x 16' RWAC w/ PA plunger

STROKE LENGTH: 88 in
PUMP SPEED, SPM: 4.5 SPM
PUMPING UNIT SIZE: National F 228-246C-86
PRIME MOVER: Ajax EA-30
two - 400 bbl vert. tanks
one- 100 bbl open top tank
one - treater National 12'x5' Horiz

LOGS: Dual Laterolog w/ caliper, GR, SP, & Tension curve. Spectral Density/Dual Spaced Neutron w/ caliper, GR, & tension curve. CBL/GR

EOT - 2690' KB

4748'-4752'
4770'-4778'
4780'-4784'
4791'-4793'

5772'-5780'
5792'-5796'

5861'-5873'
5876'-5888'
5891'-5920'
5925'-5929'
5932'-5950'

SN LANDED @ 5985.11' KB
EOT LANDED @ 6015.41' KB

PBTD @ 6337.88' KB
TD @ 6400' KB

ACID JOB /BREAKDOWN

10/27/95	5861' - 5950'	(150 holes) BJ - 1420 gal 2% KCl gel, break down in 2' segments. No Break: 5924' - 5914', Break : 5950', 5936' - 5921', circulated rest.
1/31/96	4748' - 4793'	(72 holes) BJ - 3570 bbls 2% KCl water w/ 150 balls. Ball Action, no ball off. ATP-2800, Max-4100#, ATR-5.4 bpm, ISIP- 1400 psi.

FRAC JOB

1/31/96	4748' - 4793'	BJ - 5000 gal 2% KCl wtr pad, followed by 21,000 gal 2% KCl gel w/ 111,640# 16/30 sand, flush w/ 4704 gal 2% KCl water. ATP-1800psi, Max-2410 psi, ATR-33.4 bpm, Max-33.7 bpm, ISIP-2000psi, 5min-1580, 10min-1490, 15min-1380, 30min-1180psi. Frac Gradient - 0.859

PERFORATION RECORD

10/26/95	5932' - 5950'	2 SPF	(18 ft)	36 holes
10/26/95	5925' - 5929'	2 SPF	(4 ft)	8 holes
10/26/95	5891' - 5920'	2 SPF	(29 ft)	58 holes
10/26/95	5876' - 5888'	2 SPF	(12 ft)	24 holes
10/26/95	5861' - 5873'	2 SPF	(12 ft)	24 holes
1/29/96	5772' - 5780'	4 SPF	(8 ft)	32 holes
1/29/96	5792' - 5796'	4 SPF	(4 ft)	16 holes
1/30/96	4748' - 4752'	4 SPF	(4 ft)	16 holes
1/30/96	4770' - 4778'	4 SPF	(8 ft)	32 holes
1/30/96	4780' - 4784'	4 SPF	(4 ft)	16 holes
1/30/96	4791' - 4793'	4 SPF	(2 ft)	8 holes

Attachment E-4

Monument Federal #23-22-8-17Y
Monument Butte
U-67845
Section 22, T8S, R17E

Duchesne County, Utah

Elev.GR -5190" GL
Elev.KB - 5200" KB

WELLBORE DIAGRAM

DATE : 2/13/97 DZ

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 269'
DEPTH LANDED: 279' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: No data given in report

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 6261'
DEPTH LANDED: 6271' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 370 sks super"G", 3% salt, 2% gel, 2#/sk KOL-seal, 1/4#sk Cello-flake, Tail w/ 435 sks 50/50 POZ, 2% gel, 1/4#/sk Cello-flake, 2#/sk Kol-seal.

CEMENT TOP AT: 925' KB

TUBING

SIZE/GRADE/WT.: 2-7/8" 8rd EUE/ J-55/ 6.5#
NO. OF JOINTS: 150 Jts (4666.49')
TUBING ANCHOR: 2-7/8"x5-1/2"x2.75'
NO. OF JOINTS: 39 Jts (1231.14')
SEATING NIPPLE: 2-7/8"x1.10'
PERFORATED SUB: 2-7/8"x4.20'
MUD ANCHOR: 2-7/8"x27.61' w/notched-pinned collar
STRING LENGTH: 5933.29'
SN LANDED AT: 5910.38' KB

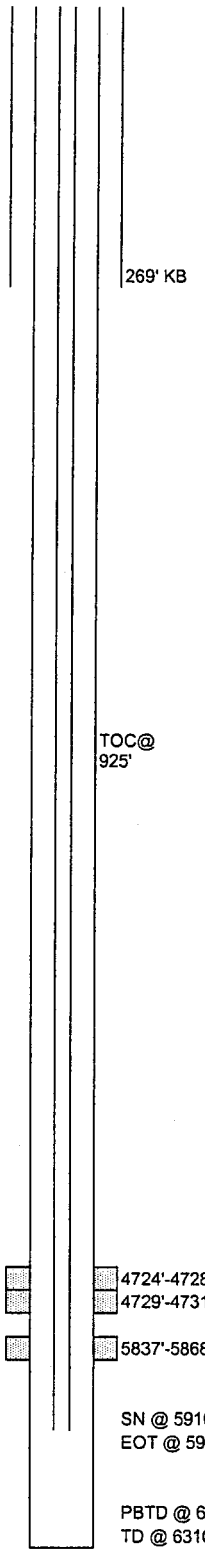
SUCKER RODS

POLISHED ROD: 1-1/4"x22' SM
SUCKER RODS: 1-3/4"x2' Pony
1-3/4"x6' Pony
1-3/4"x8' Pony
NOTE: Rod count is 50' long compared to tubing tally. 237-3/4"x25' D Plain
TOTAL STRING LENGTH: 5963'

PUMP NUMBER: Trico #1202
PUMP SIZE: 2-1/2"x1-1/2"x16' RWAC

STROKE LENGTH: 72 inches
PUMP SPEED, SPM: 6
PUMPING UNIT SIZE: Lufkin 160-200-74
SN: 507-53725
PRIME MOVER: Ajax EA-30
SN: 66240
TANKS: 2-400 BBL, Natco 12'x20'
Tank #1 SN: 9D-881-07
Tank #2 SN: ??

LOGS: Compensated Neutron Litho-Density Gamma Ray; Dual Laterolog w linear correlation gamma ray; CBL\GR.



ACID JOB /BREAKDOWN

11/22/96	5837'-5868'	BJ Services: 3234 Gal 2% KCL wt w/ 124 ball sealers. Ball action but no ball off. ATP= 2800 psi, ATR= 5.5 bpm, ISIP= 1700 psi.
11/25/96	4724'-4728' 4729'-4731'	BJ Services: 2100 gal 2% KCL wtr w/ 48 ball sealers. Ball action but no ball off. ATP= 2200 psi, ATR= 3.8 bpm, ISIP 1350 psi.

FRAC JOB

11/25/96	5837'-5868'	BJ Services: 23,392 gal 2% KCL wtr w/ 29,440# 20/40 sand & 50,660# 16/30 sand. ATP= 2740 psi, ATR= 33.8 bpm, ISIP= 3250 psi, 5 min= 2570 psi, 10 min= 2030 psi.
11/25/96	4724'-4728' 4729'-4731'	BJ Services: 10,878 gal 2% KCl wtr w/ 24,000# 16/30 sand. ATP= 1700 psi, ATR= 25.1 bpm, ISIP= 1660 psi, 5 min= 1330 psi, 10 min= 1240 psi, 15 min= 1200 psi, 30 min= 1100 psi.

PERFORATION RECORD

11/22/96	Cutter WL	5837'-5868'	2 SPF
11/25/96	Cutter WL	4724'-4728'	?
		4729'-4731'	?

Attachment E-5

Monument Federal #31-22-8-17
Monument Butte
U-67845
NW NE Section 22, T8S, R17E
1036' FNL, 2338' FEL
Duchesne County, Utah

Elev.GR - 5160' GL
Elev.KB - 5170' (10' KB)

WELLBORE DIAGRAM

DATE : 7/24/96 DZ

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 249.90' (6 Jts)
DEPTH LANDED: 259.90' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sks "G", w/ 2% $CaCl_2$, 1/4#/sk celloseal.

259.90' KB

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 6313.57'
DEPTH LANDED: 6323.57' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 160 sks Super "G" w/ 47#/sk G, 34#/sk BA91, 3% salt, 2% gel, 2#/sk Kolseal, 1/3#/sk cello-flake. tail w/ 425 sks 50/50 POZ, 25 gel, 1/4#/sk cello flake, 2#/sk Kolseal.

CEMENT TOP AT: 2066' KB

TOC@ 2066' KB

TUBING

SIZE/GRADE/WT.: 2-7/8" 8rd EUE/ J-55/ 6.5#
NO. OF JOINTS: 170 Jts (5217.52')
TUBING ANCHOR: 2-7/8"x5-1/2"x2.75' (Trico)
NO. OF JOINTS: 26 Jts (803.48')
SEATING NIPPLE: 2-7/8"x1.10'
PERFORATED SUB: 2-7/8"x4.20'
MUD ANCHOR: 2-7/8"x29.72'
STRING LENGTH: 6059.17'
SN LANDED AT: 6033.75'

SUCKER RODS

POLISHED ROD: 1-1/4"x22' SM
SUCKER RODS: 240-3/4"x25' D-54 Plain
1-7/8"x2' Pony w/2-1/2" guide
1-1/2"x25' K-Bar
1-7/8"x2' Pony w/2-1/2" guide

TOTAL STRING LENGTH: 6051'

PUMP NUMBER: Trico #1168
PUMP SIZE: 2-1/2"x1-1/2"x16' RWAC w/ SM plunger.
STROKE LENGTH: 85"
PUMP SPEED, SPM: 9.3 SPM
PUMPING UNIT:
PRIME MOVER:

LOGS: Dual Laterolog w/ linear Correlation GR
Compensated Neutron
Litho Density GR
CBL/GR

5509'-5515'
5534'-5538'
5936'-5950'
5960'-5965'
5971'-6010'

SN LANDED @ 6033.75' KB
EOT LANDED @ 6069.17' KB

PBTD @ 6282' KB
TD @ 6350' KB

ACID JOB /BREAKDOWN

5/20/96	5936'-5950' 5960'-5965' 5971'-6010'	BJ Services: 2000 gal 15% HCL + 3460 gal % KCL wtr, w/250 ball sealers. ATP= 2100 psi, ATR=4.1 bpm, ISIP=1900 psi.
5/28/96	5509'-5515' 5534'-5538'	BJ Services: 2184 gals 2% KCL wtr w/ 80 ball sealers. Balled out. ATP=2250 psi, ATR=4.5 bpm, ISIP=950 psi.

FRAC JOB

5/22/96	5936'-6010'	BJ Services: 5880 gals 2% KCL wtr w/ 21,260# 20/40 sand & 39,040# 16/30 sand. ATP=2600 pis, ATR= 42.0 bpm, ISIP=2650 psi, 5 min=2000 psi, 10 min= 1700 psi, 15 min=1520 psi, 30 min=1300 psi.
5/29/96	5509'-5515' 5534'-5538'	BJ Services: 10,290 gal 2% KCL wtr & 13,220# 16/30 sand. ATP=2000 psi, ATR=30.8 bpm, ISIP= 1750 psi, 5 min=1370 psi, 10 min=1280 psi, 15 min= 1190 psi, 30 min=1100 psi.

PERFORATION RECORD

5/17/96	Schlumberger	5936'-5950'	4 SPF
		5960'-5965'	4 SPF
		5971'-6010'	4 SPF
5/28/96	Schlumberger	5509'-5515'	4 SPF
		5534'-5538'	4 SPF

Attachment E-6

MONUMENT FEDERAL #8-17
SW NE Sec. 22, T8S R17E
1980' FNL, 1980' FEL
Lease #U67845
Monument Butte Field (Pariette Draw Area)
Duchesne County, Utah

Elev.GR - 5120' GL
Elev.KB - 5130' (10' KB)

WELLBORE DIAGRAM

DATE : 7/24/96 DZ

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 250 ft
DEPTH LANDED:
HOLE SIZE: 12-1/4"
CEMENT DATA:

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 6348.61'
DEPTH LANDED: 6358.61' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: BJ Services: 220 sks Super "G", 2#/sk KOL-Seal 3% salt,2% gel, 1/4#/sk Cello-Flake. Tail w/ 445 sks 50/50 POZ, 2% gel 1/4#/sk Cello-Flake 2#/sk Kol-Seal.

CEMENT TOP AT: 1702' KB

TUBING

SIZE/GRADE/WT.: 2-7/8" 8rd EUE/J-55/6.5#
NO. OF JOINTS: 146 Jts (4465.04')
TUBING ANCHOR: 2-7/8"x5-1/2"x2.75'
NO. OF JOINTS: 33 Jts (1023.80')
SEATING NIPPLE: 2-7/8"x1.10'
PERFORATED SUB: 2-7/8"x4.20'
MUD ANCHOR: 2-7/8"x28.41'
STRING LENGTH: 5525.70'
SN LANDED AT: 5501.59' KB

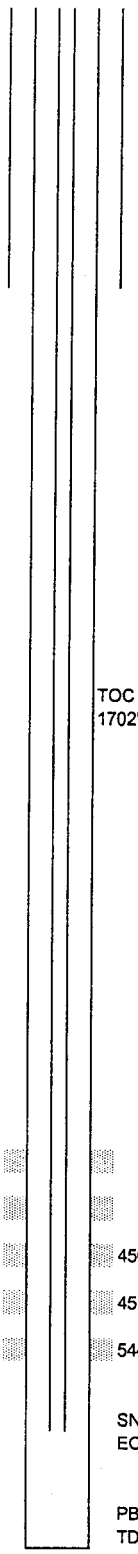
SUCKER RODS

POLISHED ROD: 1-1/4"x22' SM
SUCKER RODS: 1-3/4"x4' Pony
1-3/4"x8' Pony
218-3/4"x25' D-54 Plain
1-7/8"x2' Pony w/2.5" guide
1-1/1/2"x25' K-Bar
1-7/8"x2' Pony w/2.5" guide

TOTAL STRING LENGTH: 5513'

PUMP NUMBER: Trico #1173
PUMP SIZE: 2-1/2"x1-1/2"x16' RWAC w/ SM Plunger.
STROKE LENGTH: 89 inches
PUMP SPEED, SPM: 3-1/2 SPM
PUMPING UNIT: American 320-213-120
PRIME MOVER: Ajax E-42

LOGS: CBL/GR



ACID JOB /BREAKDOWN

6/11/96	5447'-5460'	BJ Services: 2646 gals 2% KCL wtr & 104 ball sealers. Balled out. ATP= 2550 psi, ATR=5.8 bpm, ISIP=1000 psi.
6/12/96	4501'-4509' 4511'-4513'	BJ Services: 2352 gal 2% KCL wtr w/ 80 ball sealers. Ball action but no ball out. ATP=2000 psi, ATR=5.0 bpm, ISIP=1200 psi.

FRAC JOB

6/12/96	5447'-5460'	BJ Services: 9324 gal 2% KCL wtr & 13,000# 16/30 sand. ATP=1700 psi, ATR= 31.3 bpm, ISIP=1400 psi, 5 min=1150 psi, 10 min= 1100 psi, 15 min=1080 psi.
6/12/96	4501'-4509' 4511'-4513'	BJ Services: 9576 gal 2% KCL wtr w/ 12,800# 16/30 sand. ATP=2140 psi, ATR=31.5 bpm, ISIP= 1650 psi, 5 min=1200 psi, 10 min=1190 psi, 15 min= 1160 psi, 30 min=1100 psi.

PERFORATION RECORD

6/11/96	Cutter	5447'-5460'	4 SPF
6/12/96	Cutter	4501'-4509'	4 SPF
		4511'-4513'	4 SPF

Attachment E-7

Boundary #7-21

Spud Date: 10/16/96
Put on Production: 11/18/96
GL: 5208' KB: 5221'

Initial Production: ? BOPD, ? MCFPD, ? BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT:24#
LENGTH: 7 jts.(285.12'')
DEPTH LANDED: 284.52' GL
HOLE SIZE:12-1/4"
CEMENT DATA: 120 sxs Premium cmt, est 9 bbls to surface.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 150 jts.(6355.30')
DEPTH LANDED: 6350' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 410 sk HiBond mixed & 450 sxs thixotropic
CEMENT TOP AT: 808' per CBL

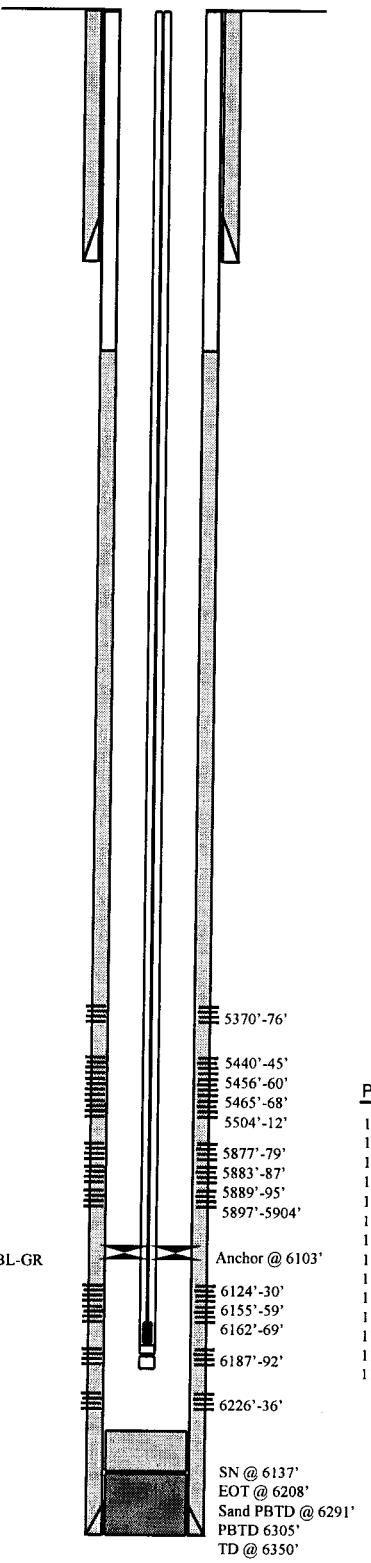
TUBING

SIZE/GRADE/WT.: 2-7/8"/M-50/6.5#.
NO. OF JOINTS:202 jts.
TUBING ANCHOR: 6103'
SEATING NIPPLE: 2-7/8" (1.10')
TOTAL STRING LENGTH: EOT @ 6208'
SN LANDED AT: 6137'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' polished rod.
SUCKER RODS: 8-1" scrapered, 137-3/4" plain rods, 99-3/4" scrapered
TOTAL ROD STRING LENGTH: ?
PUMP NUMBER: ?
PUMP SIZE: 2-1/2 x 1-1/2 x 12 x 15 RHAC pump
STROKE LENGTH: 74"
PUMP SPEED, SPM: 9 SPM
LOGS:Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

Wellbore Diagram



FRAC JOB

11/8/96	**6124'-6236'**	**Frac CP-1, CP-2 & CP-3 sands as follows:** 81,700# of 20/40 sand in 512 bbls of Boragel. Breakdown @ 1928 psi. Treated @ avg rate of 32 bpm w/avg press of 1400 psi. ISIP-1912 psi. 5-min 1739 psi. Flowback on 12/64" ck for 4-1/2 hours and died.
11/11/96	**5877'-5904'**	**Frac A-3 sand as follows:** 121,000# 20/40 sand in 654 bbls of Boragel. Breakdown @ 3284 psi. Treated @ avg rate of 24.8 bpm w/avg press of 3284 psi. ISIP-2100 psi. 5-min 1937 psi. Flowback on 12/64" ck for 5 hours and died.
11/13/96	**5370'-5512'**	**Frac C and D-2 sands as follows:** 96,800# of 20/40 sand in 582 bbls of Boragel. Breakdown @ 2075 psi. Treated @ avg rate of 24.5 bpm w/avg press of 1400 psi. ISIP-2385 psi. 5-min 2350 psi. Flowback on 12/64" ck for 2-1/2 hours and died.

PERFORATION RECORD

11/6/96	6124'-6130'	4 JSPF	24 holes
11/6/96	6155'-6159'	4 JSPF	16 holes
11/6/96	6162'-6169'	4 JSPF	28 holes
11/6/96	6187'-6192'	4 JSPF	20 holes
11/6/96	6226'-6236'	4 JSPF	40 holes
11/9/96	5877'-5879'	4 JSPF	8 holes
11/9/96	5883'-5887'	4 JSPF	16 holes
11/9/96	5889'-5895'	4 JSPF	24 holes
11/9/96	5897'-5904'	4 JSPF	28 holes
11/12/96	5440'-5445'	4 JSPF	20 holes
11/12/96	5456'-5460'	4 JSPF	16 holes
11/12/96	5465'-5468'	4 JSPF	12 holes
11/12/96	5504'-5512'	4 JSPF	32 holes
11/12/96	5370'-5376'	4 JSPF	24 holes

Inland Resources Inc.

Boundary #7-21

1974 FNL 2111 FEL

SENE Section 21-T8S-R17E

Duchesne Co, Utah

API #43-013-31640; Lease FEE:Roberts

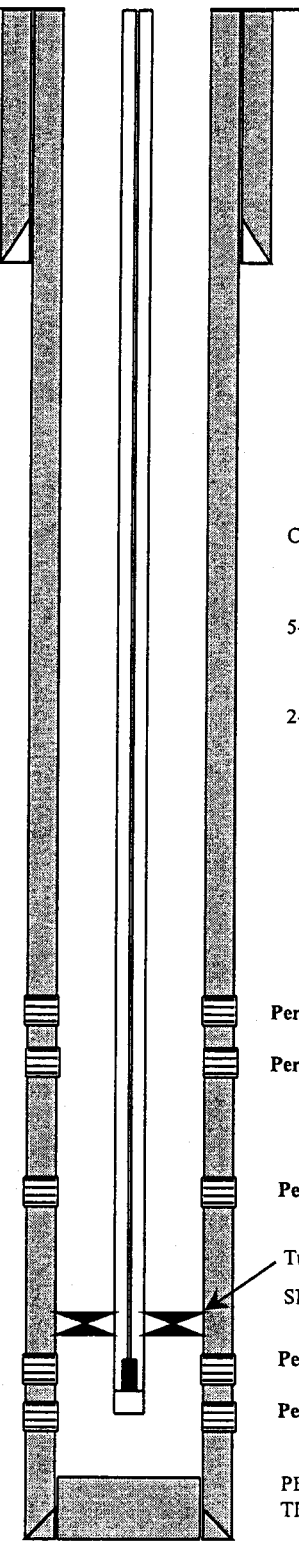
Attachment E-8

Boundary Federal #8-21

Well History:

11-5-95	Spud Well
12-23-95	Perf: 6,138' - 44' 6,148' - 70' 6,179' -88' 6,223 - 40' 2spf Castlet Peak Sands
12-24-95	Frac Castle Peak Zones as follows: Totals 834 bbls Boragel, 109,400# 20/40 sd. Avg rate 43 BPM @ 1800 psi. ISIP: 1759 psi, 5 min.; 1588 psi, 10 min: 1457 psi.
12-27-95	Perf: 5,295-305' D Sand
12-28-95	Frac D Sand as follows: Totals 382 bbls Boragel 39,300# 20/40 sd. Avg rate 20 BPM @ 1900 psi. ISIP 2083 psi, 5 min: 1972 psi, 10 min: 1935 psi.
12-29-95	Perf: 4,742'-47' GB-4 4,819'-31' GB-6 4 SPF
12-30-95	Frac GB-4 & GB-6 Sands as follows: Totals 592 bbls Boragel, 69,000# 16/30 sd. Avg rate 31 BPM @ 2000 psi. ISIP 2100 psi, 5 min: 2081 psi, 10 min: 2080 psi.
1-7-96	1st Day of Production

Wellbore Diagram



GL: 5,241'

Surface Hole Size: 12 1/4"

8-5/8" Surface csg @ 307'w/120sxs cement

Hole Size: 7 7/8"

Rods: 4 - 1 1/2" wt rods
95 - 3/4" scrapered
84 - 3/4" slick

Cement Top @ Surface

5-1/2" J-55 csg @ 6,349'w/ 260 sxs cement

2-7/8" 6.5 J-55 TBG@ 6,261

Perf's 4,742' - 47' (GB-4)

Perf's 4,819'-4,831' (GB-6)

Perf's 5,295' - 305' (D-1 Sand)

Tubing Anchor @ 6,076'

SN @ 6,109'

Perf's 6,138'-44', 6,148'-70', 6,179'-88' (CP-1)

Perf's 6,223'-40' (CP-2)

PBTD @ 6,303'
TD @ 6,350'

Inland Resources Inc.

Boundary Federal #8-21

1960 FNL 465 FEL

SENE Section 21-T8S-R17E

Duchesne Co, Utah

API #43-013-31557; Lease #U-50376

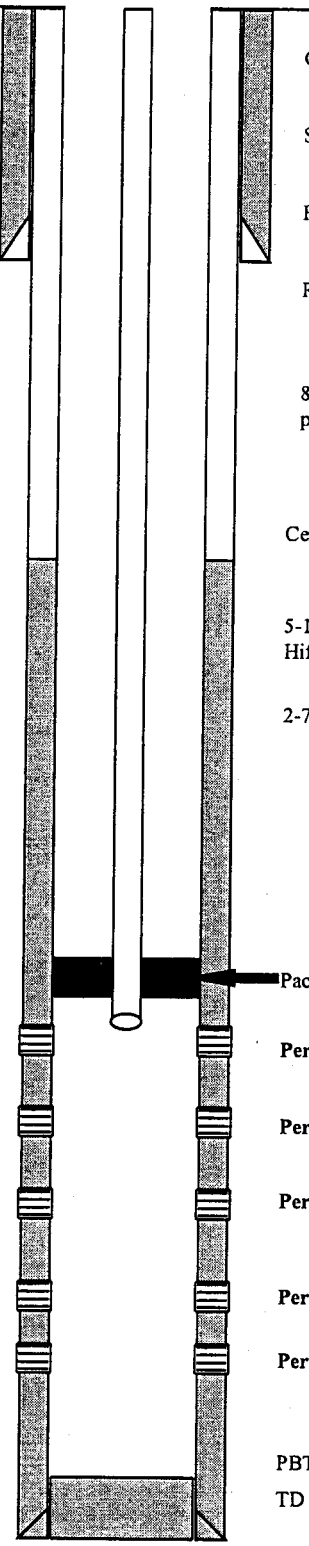
Attachment E-9

Boundary Federal #9-21

Injection Diagram

Well History:

8-23-95	Spud Well
9-16-95	Perf: 6,190'-6,201', 6,115'-6,144'
9-20-95	Frac CP-1 and CP-2 zones as follows: Totals 33,050 gal, 163,350#20/40 sd Max TP 1,895 @ 36.4 BPM Avg TP 1,450 @ 35 BPM ISIP 1,895, after 5 min 1,822
9-21-95	Perf: 5,860'-5,876', 5,879'-5,884'
9-22-95	Frac LODC zone as follows: Totals 31,000 gal, 152,000# 20/40sd Max TP 2,520 @ 41.3 BPM Avg TP 2,200 @ 38 BPM ISIP 2,300, after 5 min 2,243
9-23-95	Perf: 5,448'-5,453'
9-24-95	Frac C-Sd zone as follows: Totals 12,960 gal, 60,000# 20/40 sd Max TP 3,980 @ 27.8 BPM Avg TP 1,550 @ 25 BPM ISIP 1,462, after 5 min. 1,365
9-26-95	Perf: 4,828'-4,848'
9-27-95	Frac GB-7 zone as follows: Totals 27,457 gal, 79,700# 16/30 sd Max TP 2,450 @ 26.6 BPM Avg TP 1,900 @ 24.5 BPM ISIP 2,237, after 5 min. 2,131



GL: 5,209'

Surface Hole Size: 12 1/4"

Hole Size: 7 7/8"

Rods: 190-3/4"

8-5/8" Surface csg @ 314' w/140sxs premium cement

Cement Top @ 981'

5-1/2" J-55 csg @ 6,430' w/335sxs Hifill, 400sxs Premium

2-7/8" 6.5 J-55 TBG@5,940'

Packer @ 4780'

Perf's: 4,828'-48'(PB-7)

Perf's: 5,448'-53'(C-SD)

Perf's: 5,860'-76', 5,879'-84'(LODC)

Perf's: 6,115'-44(CP-1)

Perf's: 6,190'-6,201'(CP-2)

PBTD @ 6,368'

TD @ 6,400'

Inland Resources Inc.

Boundary Federal #9-21

1980 FSL 660 FEL

NESE Section 21-T8S-R17E

Duchesne Co, Utah

API #43-013-31542; Lease #U-50376

Attachment F

UNICHEM

A Division of BJ Services

P.O. Box 217
Roosevelt, Utah 84066

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

WATER ANALYSIS REPORT

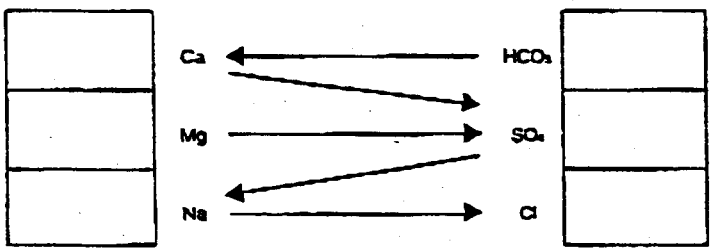
Company INLAND Address _____ Date 01-14-98

Source Johnson Water FRESH WATER Date Sampled _____ Analysis No. _____

	Analysis		mg/l(ppm)		*Meg/l	
1. PH	7.0					
2. H_2S (Qualitative)	0.5					
3. Specific Gravity	1.001					
4. Dissolved Solids			593			
5. Alkalinity ($CaCO_3$)		CO_3	0	÷ 30	0	CO_3
6. Bicarbonate (HCO_3)		HCO_3	300	÷ 61	5	HCO_3
7. Hydroxyl (OH)		OH	0	÷ 17	0	OH
8. Chlorides (Cl)		Cl	35	÷ 35.5	1	Cl
9. Sulfates (SO_4)		SO_4	110	÷ 48	2	SO_4
10. Calcium (Ca)		Ca	44	÷ 20	2	Ca
11. Magnesium (Mg)		MG	22	÷ 12.2	2	Mg
12. Total Hardness ($CaCO_3$)			200			
13. Total Iron (Fe)			2.2			
14. Manganese						
15. Phosphate Residuals						

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION



Compound	Equiv. Wt.	X Meq/l	= Mg/l
$Ca(HCO_3)_2$	81.04	2	162
$CaSO_4$	68.07		
$CaCl_2$	55.50		
$Mg(HCO_3)_2$	73.17	2	146
$MgSO_4$	60.19		
$MgCl_2$	47.62		
$NaHCO_3$	84.00	1	84
Na_2SO_4	71.03	2	142
NaCl	58.46	1	59

Saturation Values	Distilled Water 20°C
$CaCO_3$	13 Mg/l
$CaSO_4 \cdot 2H_2O$	2,090 Mg/l
$MgCO_3$	103 Mg/l

REMARKS _____

UNICHEM

A Division of BJ Services

P.O. Box 217
Roosevelt, Utah 84066

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

Attachment F-1

WATER ANALYSIS REPORT

Company INLAND Address _____ Date 01-27-98

Source BOUNDARY FED. 9-21 Date Sampled _____ Analysis No. _____

	Analysis		mg/l(ppm)		*Meg/l	
1. PH	9.2					
2. H_2S (Qualitative)	5					
3. Specific Gravity	1.014					
4. Dissolved Solids			15,798			
5. Alkalinity ($CaCO_3$)		CO_3	120	÷ 30	4	CO_3
6. Bicarbonate (HCO_3)		HCO_3	1,100	÷ 61	18	HCO_3
7. Hydroxyl (OH)		OH	0	÷ 17	0	OH
8. Chlorides (Cl)		Cl	8,500	÷ 35.5	239	Cl
9. Sulfates (SO_4)		SO_4	0	÷ 48	0	SO_4
10. Calcium (Ca)		Ca	8	÷ 20	0	Ca
11. Magnesium (Mg)		MG	22	÷ 12.2	2	Mg
12. Total Hardness ($CaCO_3$)			110			
13. Total Iron (Fe)			0.8			
14. Manganese						
15. Phosphate Residuals						

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

0	Ca	←	HCO₃	22
2	Mg	→	SO₄	0
259	Na	→	Cl	239

Saturation Values	Distilled Water 20°C
$CaCO_3$	13 Mg/l
$CaSO_4 \cdot 2H_2O$	2,090 Mg/l
$MgCO_3$	103 Mg/l

Compound	Equiv. Wt.	X Meq/l	= Mg/l
$Ca(HCO_3)_2$	81.04		
$CaSO_4$	68.07		
$CaCl_2$	55.50		
$Mg(HCO_3)_2$	73.17	2	146
$MgSO_4$	60.19		
$MgCl_2$	47.62		
$NaHCO_3$	84.00	20	1,680
Na_2SO_4	71.03		
NaCl	58.46	239	13,972

REMARKS _____

Attachment F-2

AQUAMIX SCALING PREDICTIONS

COMPANY: INLAND
LOCATION:
SYSTEM:

03-04-98

WATER DESCRIPTION:	JOHNSON WATER	BF 9-21
P-ALK AS PPM CaCO3	0	200
M-ALK AS PPM CaCO3	492	1804
SULFATE AS PPM SO4	110	0
CHLORIDE AS PPM Cl	35	8500
HARDNESS AS PPM CaCO3	0	0
CALCIUM AS PPM CaCO3	110	20
MAGNESIUM AS PPM CaCO3	90	90
SODIUM AS PPM Na	92	5957
BARIUM AS PPM Ba	0	0
STRONTIUM AS PPM Sr	0	0
CONDUCTIVITY	0	0
TOTAL DISSOLVED SOLIDS	593	15798
TEMP (DEG-F)	150	150
SYSTEM pH	7	9.2

WATER COMPATIBILITY CALCULATIONS
JOHNSON WATER AND BF 9-21
CONDITIONS: TEMP.=150AND pH=8.1
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	1.43	36	0	0	0
90	1.44	33	0	0	0
80	1.43	30	0	0	0
70	1.40	27	0	0	0
60	1.36	24	0	0	0
50	1.31	21	0	0	0
40	1.24	18	0	0	0
30	1.15	15	0	0	0
20	1.05	12	0	0	0
10	.94	8	0	0	0
0	.78	5	0	0	0

Attachment G

Monument Federal #12-22Y
Proposed Maximum Injection Pressure

Frac Interval (feet) Top	Bottom	Avg. Depth (feet)	ISIP (psi)	Frac Gradient (psi/ft)	Pmax	
6221	6248	6235	2000	0.75	1959	
5348	5481	5415	1680	0.74	1630	←
4804	4817	4811	1900	0.83	1897	
				Minimum	1630	

Calculation of Maximum Surface Injection Pressure

Pmax = (Frac Grad -(0.433*1.005)) x 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.

Attachment G-1

EQUITABLE RESOURCES ENERGY COMPANY
BALCRON OIL DIVISION
1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104 (406)

TREATMENT REPORT

Date of Treatment: 1-17-95

Well Name BALCRON FED. 12-22Y SEC. 22 TWN. 8S RNG 17E
Field MONUMENT BUTTE County UINTAH State UTAH
Formation XXXXXXXXXXXX GREEN RIVER
PERFORATIONS 6221-48

Treatment type: SAND FRAC. Total Number of Holes: 54
Treatment Company: WESTERN

VOLUME		Fluid	Conc. # PER GAL	BPM	PSI.	Size	SAND CALC.	SAND ACTUAL
SLURRY BBLS							Volume	
~~300~~ 300	12600 Gal.	2% KCL WATER PAD	0	31.7 31.7	2180 2270	/	#	#
~~410~~ 410	1650 Gal.	"	1	31.8	2260	20/40	1650 #	#
73	2800 Gal.	"	2	32.3	2130	20/40	5600 #	#
116	4900 Gal.	"	3	32.5	1980	20/40	12900 #	#
163	5900 Gal.	"	4	33.2	1880	20/40	23200 #	#
~~210~~	~~7200~~ Gal.	"	5	33.0	1790	20/40	36000 #	#
259	6650 Gal.	"	6	32.9 32.9	1770 1790	16/30	51300 #	#
143	4550 Gal.	"	7	32.8 32.8	1780 1650	16/30	31850 #	#
148	4218 Gal.	" FLUSH	0	33.0 33.4	1670 2400	/	#	#
	Gal.					/	#	#

TOTAL FLUID PUMPED: gal. % Acid
52584 gal. 2% KCL WATER fluid

TOTAL SAND VOL.: 80,040 lbs. 20/40 sand
87,580 lbs. 16/30 sand
lbs. / sand
lbs. / bauxite

Flushed well with 6218 gal. of 2% KCL WATER
ball sealers were pumped. Was ball action seen?
Bbls of Load to Recover 1252 BLTR.
Average Treating Pressure = 1900 psi, max = 2400 psi, min = 1730 psi.
Average Treating Rate = 32.8 bpm, max = 33.4 bpm, min = 31.7 bpm.
ISIP = 2000 psi, 5 min. = 1920 psi, 10 min. = 1800 psi, 15 min. = 1750 psi.
Well will be shut in for 11 hrs. before bringing back fluid. 30 MIN. = 1650 psi

REMARKS: 4 BBL TO LOAD HOLE
FORCED CLOSURE FLOW BACK .5 BPM, 30 MIN. = 15 BBL.

FRAC GRADIENT .761

Well site Supervisor:

Attachment G-2

TREATMENT REPORT

EQUITABLE RESOURCES ENERGY COMPANY
BALCRON OIL DIVISION
1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104-1017
(406) 259-7860

DATE OF TREATMENT: 4-26-95

Well Name BALCRON FED. 12-22Y Sec. 22 TWN. 8S RNG. 17E
Field MONUMENT BUTTE County DUCHESNE State UT
Formation: GREEN RIVER
Perforations: 5348-53, 5372-75, 5479-81

Treatment Type: SAND FRAC Total Number of Holes: 14
Treatment Company: BJ SERVICES

SAND CHARACTERISTICS

VOLUME SLURRY BBLS	VOLUME CLEAN GAL	FLUID	CONC. # / GAL	CONC. BPM	CONC. PSI	SIZE	SAND VOLUME CALC.	SAND VOLUME ACTUAL
71	3000	2% KCL WATER (PAD)	0	30.9	2830	— / —	— #	— #
26	1000	"	2	31.9	2580	20/40	2000 #	#
56	2000	"	4	32.4	2730	20/40	8000 #	#
88	3000	"	5	32.5	2280	20/40	15000 #	#
106	3500	"	6	33.2	2110	16/30	21000 #	#
63	2000	"	7	33.3	2020	16/30	14000 #	#
127	5345	" (FLUSH)	0	33.4	2360	— / —	— #	— #
						/	#	#
						/	#	#
						/	#	#

TOTAL FLUID PUMPED: — gal. — % — Acid
19950 gal. 2% KCL WATER Fluid
TOTAL SAND VOLUME: 26920 lbs. 20/40 sand
38000 lbs. 16/30 sand
— lbs. / sand
Flushed well with 5345 gal. of 2% KCL WATER
— ball sealers were pumped. Was ball action seen? —
Barrels of Load to Recover 475 BLTR
Avg. Treating Pressure = 2200 psi, max = 2830 psi, min. = 2020 psi.
Avg. Treating Rate = 33.0 bpm, max = 34.5 bpm, min. = 30.9 bpm.
ISIP = 1680 psi, 5 min. = 1440 psi, 10 min. = 1300 psi, 15 min. = 1230 psi.
Well will be shut in for 0 hours before bringing back fluid. 30 MIN, — PSI
REMARKS: 42 BBL. TO LOAD HOLE

FRAC GRADIENT .75 Wellsite Supervisor: DOUG

Attachment G-3

TREATMENT REPORT

EQUITABLE RESOURCES ENERGY COMPANY
BALCRON OIL DIVISION
1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104-1017
(406) 259-7860

DATE OF TREATMENT: 5-1-95

Well Name BALCRON FED. 12-22Y Sec. 22 TWN. 8 S RNG. 17 E
Field MONUMENT BUTTE County DUCHESNE State UT.
Formation: GREEN RIVER
Perforations: 4804-17

Treatment Type: SAND FRAC Total Number of Holes: 52
Treatment Company: BJ SERVICES

SAND CHARACTERISTICS

	VOLUME SLURRY BBLS	VOLUME CLEAN GAL	FLUID	CONC. # / GAL	CONC. BPM	CONC. PSI	SIZE	SAND VOLUME CALC.	SAND VOLUME ACTUAL
71	71	3000	2% KCL WATER (PAD)	0	30.0	2070	—	— #	— #
104	36	1400	"	2	29.5	2240	16/30	2800 #	#
200	220 113	4000	"	4	29.5	1850	16/30	16000 #	#
302	327 102	3500	"	5	29.5	1840	16/30	17500 #	#
385	452 130	4300	"	6	29.6	1800	16/30	25800 #	#
441	523 72	2.300	"	7	30.6	1780	16/30	16100 #	#
551	635 112	4704	" (FLUSH)	0	30.4	2300	—	— #	— #
							/	#	#
							/	#	#
							/	#	#

TOTAL FLUID PUMPED: ——— gal. ——— % ——— Acid
23142 gal. 2% KCL WATER Fluid
TOTAL SAND VOLUME: 80400 lbs. 16/30 sand
——— lbs. / sand
——— lbs. / sand
Flushed well with 4704 gal. of 2% KCL WATER
——— ball sealers were pumped. Was ball action seen? ———
Barrels of Load to Recover 551 BLTR
Avg. Treating Pressure = 1850 psi, max = 2300 psi, min. = 1780 psi.
Avg. Treating Rate = 30.0 bpm, max = 30.6 bpm, min. = 29.5 bpm.
ISIP = 1900 psi, 5 min. = 1570 psi, 10 min. = 1480 psi, 15 min. = 1400 psi.
Well will be shut in for 0 hours before bringing back fluid. 30 MIN. = 1250 Psi

REMARKS: 5 BBL. TO LOAD HOLE
START FORCED CLOSURE FLOW BACK
FRAC. GRADIENT. .83 Wellsite Supervisor: Dale Griffin

1.00/95 vk

ATTACHMENT H

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1.	Plug #1	Set 177' plug from 6121'-6298' with 30 sx Class "G" cement.
2.	Plug #2	Set 283' plug from 5248'-5531' with 60 sx Class "G" cement.
3.	Plug #3	Set 163' plug from 4704'-4867' with 30 sx Class "G" cement.
4.	Plug #4	Set 200' plug from 2000'-2200' with 30 sx Class "G" cement.
5.	Plug #5	Set 100' plug from 355'-455' (50' on either side of casing shoe) with 15 sx Class "G" cement.
6.	Plug #6	Set 50' plug from surface with 10 sx Class "G" cement.
7.		Pump 10 sx Class "G" cement down the 8-5/8" x 5-1/2" annulus to cement 405' to surface.

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

Attachment H-1

BALCRON FEDERAL #12-22Y
SW NW Sec. 22, T8S, R17E
2105' FNL, 660' FWL
LEASE #U-66191
Undesignated Field
Duchesne County, Utah

Elev.GR - 5192' GL
Elev.KB - 5202' KB (10' KB)

PROPOSED P&A
WELLBORE DIAGRAM

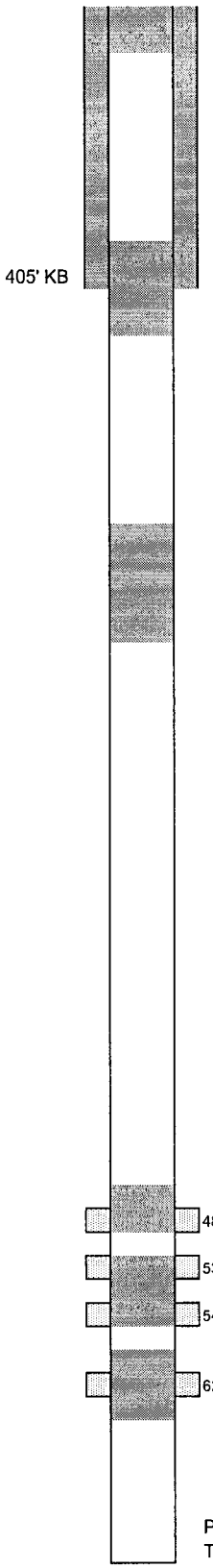
SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 9 jts (394.88 ft)
DEPTH LANDED: 404.88' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: Western - 250 sxs class "G" w/ 2% CCI & 1/4 #/sx celloseal

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 156 jts (6575.52 ft)
DEPTH LANDED: 6584.52' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: Western - 130 sxs super "G" w/ (47# "G" + 20# Poz + 17# CSE)/sk +3% salt + 2% gel + (2# Hi-Seal + 1/4 #Cello-seal)/sk, tailed w/ 480 sxs 50/50 Poz + 2% gel + (1/4# Cello-seal + 2# Hi-Seal 2)/sk.

CEMENT TOP: 2983' KB CBL



10 sx Class "G" cmt, 50' to surface

10 sx Class "G" cement down the 8-5/8" x 5-1/2" annulus to cement 405' to surface

15 sx Class "G" cmt, 355'-455'

30 sx Class "G" cmt, 2000'-2200'

30 sx Class "G" cmt, 4704'-4867'

60 sx Class "G" cmt, 5248'-5531'

30 sx Class "G" cmt, 6121'-6298'

FORM 3160-5
(June 1990)

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

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.
U-66191

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA, Agreement Designation
NA

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

8. Well Name and No.
BALCRON FEDERAL 12-22Y

9. API Well No.
43-013-31476

2. Name of Operator
INLAND PRODUCTION COMPANY

10. Field and Pool, or Exploratory Area
TREATY BOUNDARY

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

11. County or Parish, State
DUCHESNE COUNTY, UTAH

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)
2105 FNL 0660 FWL SW/NW Section 22, T08S R17E

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

TYPE OF SUBMISSION	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[X] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other **Site Security**	[ ] 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.

RECEIVED
NOV 02 1998
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct
Signed Debbie E. Knight Title Manager, Regulatory Compliance Date 10/30/98

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

CC: UTAH DOGM

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 fradulent statements or representations as to any matter within its jurisdiction.

Inland Production Company
Site Facility Diagram

Federal 12-22Y

SW/NW Sec. 22, T8S, 17E

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

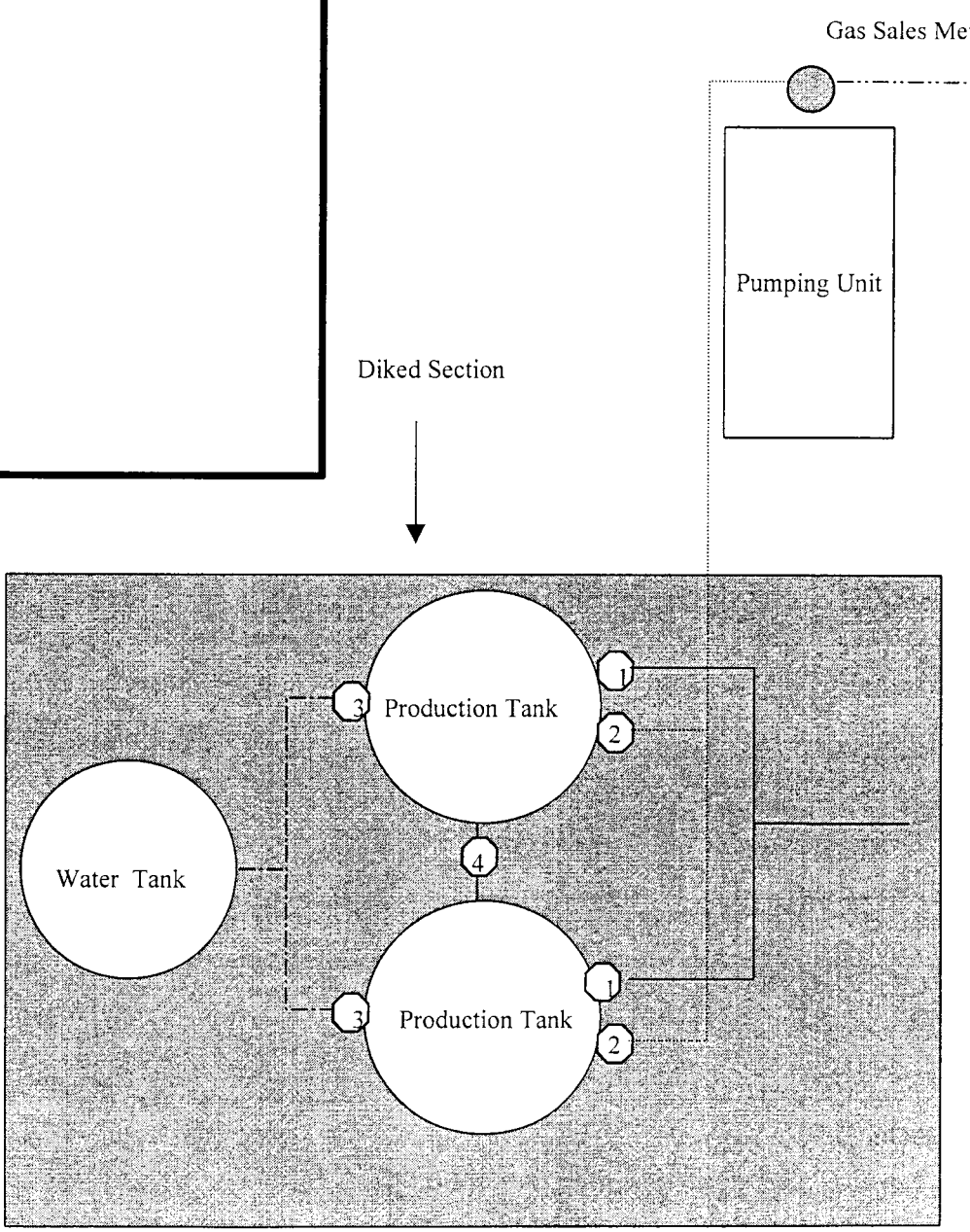
Sales Phase:

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

2) Valves 1 open

Draining Phase:

1) Valve 3 open



Emulsion Line

Load Line

Water Line

Gas Sales

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

ENTITY ACTION FORM - FORM 6

OPERATOR INLAND PRODUCTION COMPANY

OPERATOR ACCT. NO. N 5160

ADDRESS

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
D	11917	12299	43-013031587	MONUMENT FED 31-22-8-17	NWNE	22	8S	17E	DUCHESNE		12-1-98
WELL 1 COMMENTS: 990216 CANVASBACK UNIT/GRRV EFFECTIVE 12-1-98;ENTITY CHANGED.											
D	11845	12299	43-013-31539	MONUMENT FED 11-22Y-8-17	NWNW	22	8S	17E	DUCHESNE		12-1-98
WELL 2 COMMENTS: 990216 CANVASBACK UNIT/GRRV EFFECTIVE 12-1-98;ENTITY CHANGED.											
D	11717	12299	43-013-31476	MONUMENT FED 12-22Y-8-17	SWNW	22	8S	17E	DUCHESNE		12-1-98
WELL 3 COMMENTS: 990216 CANVASBACK UNIT/GRRV EFFECTIVE 12-1-98;ENTITY CHANGED.											
D	11842	12299	43-013-31538	MONUMENT FED 22-22Y-8-17	SENW	22	8S	17E	DUCHESNE		12-1-98
WELL 4 COMMENTS: 990216 CANVASBACK UNIT/GRRV EFFECTIVE 12-1-98;ENTITY CHANGED.											
D	11959	12299	43-013-31586	MONUMENT FED 32-22-8-17	SWNE	22	8S	17E	DUCHESNE		12-1-98
WELL 5 COMMENTS: 990216 CANVASBACK UNIT/GRRV EFFECTIVE 12-1-98;ENTITY CHANGED.											

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)

DOGM (KDR)
Signature

Title

2-16-99
Date

Phone No. ( )

Inland
PRODUCTION COMPANY
A Subsidiary of Inland Resources Inc.

February 10, 1999

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

Dear Kristen:

Thank you so much for your assistance yesterday with the Canvasback Unit. As we unitize areas and get the final approval, we have always in the past selected one well within the unit and assigned that entity number to the unit.

The entity number that you and I selected yesterday was 12299. This had been the entity number for the Pariette Draw #8-22 and now it will be the entity number for the whole Canvasback Unit. This entity number change will be effective December 1, 1998.

I am enclosing a listing of all the wells currently in the Canvasback Unit. I have listed the name of the well with the old entity number and the A.P.I. number. In the future any wells drilled within this unit will be assigned the entity number of 12299.

If you have any questions or need further information, please don't hesitate to call me.

Sincerely,

Kebbie S. Jones
District Administrator

Enclosures

/kj

Inland Production Company Field Office • Route 3, Box 3630 • Myton, UT 84052 • 435-646-3721 • FAX 435-646-3031
Corporate Office • 410 Seventeenth Street, Suite 700 • Denver, CO 80202 • 303-893-0102 • FAX 303-893-0103

CANVASBACK UNIT - ENTITY #12299

FIELD	WELL NAME	OLD ENTITY #	API NUMBER	
CANVASBACK UNIT	MONUMENT FEDERAL #31-22-8-17	11917	43-013-31587	NWNE S22 T8S R17
CANVASBACK UNIT	MONUMENT FEDERAL #11-22Y-8-17	11845	43-013-31539	NWNW S22 T8S R17
CANVASBACK UNIT	MONUMENT FEDERAL #12-22Y-8-17	11717	**43-013-31476**	SWNW S22 T8S R17
CANVASBACK UNIT	MONUMENT FEDERAL #22-22Y-8-17	11842	43-013-31538	SENW S22 T8S R17
CANVASBACK UNIT	MONUMENT FEDERAL #32-22-8-17	11959	43-013-31586	SWNE S22 T8S R17
CANVASBACK UNIT	PARIETTE DRAW FEDERAL #8-22-8-17	***12299***	43-013-31826	SENE S22 T8S R17
CANVASBACK UNIT	MONUMENT FEDERAL #33-22-8-17	12024	43-013-31588	NWSE S22 T8S R17
CANVASBACK UNIT	MONUMENT FEDERAL #23-22-8-17	12031	43-013-31702	NESW S22 T8S R17
CANVASBACK UNIT	MONUMENT FEDERAL #13-22Y-8-17	11942	43-013-31583	NWSW S22 T8S R17

FORM 9

STATE OF UTAH

DIVISION OF OIL, GAS, AND MINING

1. **SUNDRY NOTICES AND REPORTS ON WELLS**	5. LEASE DESIGNATION AND SERIAL NO. **U-66191**
Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use "APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBAL NAME **N/A**
OIL WELL [X] GAS WELL [ ] OTHER [ ]	7. UNIT AGREEMENT NAME **CANVASBACK UNIT**
2. NAME OF OPERATOR **INLAND PRODUCTION COMPANY**	8. WELL NAME and NUMBER **BALCRON FEDERAL 12-22Y**
3. ADDRESS AND TELEPHONE NUMBER **Rt. 3 Box 3630, Myton Utah 84052** **435-646-3721**	9 API NUMBER **43-013-31476**
4. LOCATION OF WELL Sec 22-T8S-R17E Footages **2105 FNL 0660 FWL** QQ, SEC, T, R, M: **SW/NW**	10 FIELD AND POOL, OR WILDCAT **MONUMENT BUTTE** OUNTY **DUCHESNE** STATE **UTAH**

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

NOTICE OF INTENT: (Submit in Duplicate)		SUBSEQUENT REPORT OF: (Submit Original Form Only)	
[ ] ABANDON	[ ] NEW CONSTRUCTION	[ ] ABANDON*	[ ] NEW CONSTRUCTION
[ ] REPAIR CASING	[ ] PULL OR ALTER CASING	[ ] REPAIR CASING	[ ] PULL OR ALTER CASIN
[ ] CHANGE OF PLANS	[X] RECOMPLETE	[ ] CHANGE OF PLANS	[ ] RECOMPLETE
[X] CONVERT TO INJECTION	[ ] REPERFORATE	[ ] CONVERT TO INJECTION	[ ] REPERFORATE
[ ] FRACTURE TREAT OR ACIDIZE	[ ] VENT OR FLARE	[ ] FRACTURE TREAT OR ACIDIZE	[ ] VENT OR FLARE
[ ] MULTIPLE COMPLETION	[ ] WATER SHUT OFF	[ ] OTHER	
[ ] OTHER		DATE WORK COMPLETED	
		Report results of Multiple Completion and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.	
		*Must be accompanies by a cement verification report.	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depth for all markers and zones pertinent to this work.

Inland intends to perforate additional Green River intervals and convert the subject well to an injector. The GB4 intervals from 4768 -72', D-1 intervals from 5278-85', CP1 intervals from 6150-54' and 6160-70', and CP3 intervals from 6276-80' will be perforated with 3 3/8" casing guns at 4jspf. The perforated intervals will be broken down with water and an injection test will be performed to determined if hydraulic fracturing is required.

13.
NAME & SIGNATURE: Michael Guinn TITLE District Engineer DATE 10/23/00

(This space for State use only)

4/94

Approved by the Utah Division of Oil, Gas and Mining

Date: 11/6/00

By:

* See Instructions On Reverse Side

COPY SENT TO OPERATOR
Date: 11-2-00
Init: CHD

FORM 3160-5
(June 1990)

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

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.: U-66191

6. If Indian, Allottee or Tribe Name: NA

7. If Unit or CA, Agreement Designation: CANVASBACK UNIT

1. Type of Well: [ ] Oil Well [ ] Gas Well [X] Other — Injection Well

8. Well Name and No.: BALCRON FEDERAL 12-22Y

9. API Well No.: 43-013-31476

2. Name of Operator: INLAND PRODUCTION COMPANY

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

3. Address and Telephone No.: RT 3 Box 3630 Myton Ut 84052, (435) 646-3721

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

4. Location of Well (Footage, Sec., T., R., m., or Survey Description): 2105 FNL 0660 FWL SW/NW Section 22, T08S R17E

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

TYPE OF SUBMISSION	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[X] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[X] Conversion to Injection
	[ ] Other	[ ] Dispose Water

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

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

The subject well was converted from a producing to an injection well on 11/11/00 . The rods and tubing anchor were removed and a packer was inserted in the bottom hole assembly at 4673'. On 11/13/00 Nathan Wisner with the EPA and Dennis Ingram with the State DOGM were contacted and gave verbal approval to conduct a MIT on the casing - tubing annulus. On 11/13/00 the casing was pressured to 1045 psi with no loss of pressure charted in a 1/2 hour test. No governmental agencies were able to witness the test. The well is shut in and waiting on permission to inject.

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

Signed Krisha Russell Title Production Clerk Date 11/15/00

Krisha Russell

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

CC: UTAH DOGM

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 fradulent statements or representations as to any matter within its jurisdiction.

DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM

PERMIT
STATEMENT OF BASIS

Applicant: Inland Production Company **Well:** Monument Federal 12-22y

Location: 22/8S/17E **API:** 43-013-31476

Ownership Issues: The proposed well is located on Federal land. The well is located in the proposed Canvasback Unit. Lands in the one-half mile radius of the well are administered by the BLM, the State of Utah (SITLA) and L. Clark Roberts. The Federal Government , the State of Utah (SITLA) and L. Clark Roberts are the mineral owners 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 proposed Canvasback 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 405 feet and has a cement top at the surface. A 5 ½ inch production casing is set at 6585 feet and has a cement top at 2983'. 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 4770 feet. A mechanical integrity test will be run on the well prior to injection. There are 9 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 200 feet. Injection shall be limited to the interval between 4804 feet and 6248 feet in the Green River Formation. Information submitted by Inland indicates that the fracture gradient for the 12-22Y well is .74 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1630 psig. The requested maximum pressure is 1630 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.

Oil/Gas& Other Mineral Resources Protection: The Board of Oil, Gas & Mining will hear Cause #225-3 requesting approval of the Canvasback Unit on September 23,1998. Correlative rights issues will be addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

Bonding: Bonded with the BLM

Actions Taken and Further Approvals Needed: A notice of agency action has been sent to the Salt Lake Tribune 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: 9/3/98

FORM 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

5. Lease Designation and Serial No.

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

6. If Indian, Allottee or Tribe Name
NA

SUBMIT IN TRIPLICATE

7. If Unit or CA, Agreement Designation
CANVASBACK UNIT

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

8. Well Name and No.
BALCRON FEDERAL 12-22Y

2. Name of Operator
INLAND PRODUCTION COMPANY

9. API Well No.
43-013-31476

3. Address and Telephone No.
Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)
2105 FNL 0660 FWL SW/NW Section 22, T08S R17E

11. County or Parish, State
DUCHESNE COUNTY, UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[X] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other **Report of first 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.)*

The above referenced well was put on injection at 3:00 p.m. on 12/7/00.

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

Signed Martha Hall Title Office Manager Date 12/7/00

Martha Hall

CC: UTAH DOGM

(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 fradulent statements or representations as to any matter within its jurisdiction.

Michael O. Leavitt
Governor
Kathleen Clarke
Executive Director
Lowell P. Braxton
Division 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)

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. 225-3

Operator: Inland Production Company

Well: Balcron Monument Federal 12-22Y

Location: Section 22, Township 8 South, Range 17 East

County: Duchesne

API No.: 43-013-31476

Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on September 23,1998.
2. Maximum Allowable Injection Pressure: 1630 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (4804 feet - 6248 feet)

Approved by: Steven L. Schneider 11-22-00

for John R. Baza
Associate Director, Oil And Gas

Date

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

FORM 9

STATE OF UTAH

DIVISION OF OIL, GAS, AND MINING

5. LEASE DESIGNATION AND SERIAL NO.
U-66191

1. **SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use "APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

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

OIL WELL [ ] GAS WELL [ ] OTHER [X] **Injection Well**

7. UNIT AGREEMENT NAME
CANVASBACK

2. NAME OF OPERATOR
INLAND PRODUCTION COMPANY

8. WELL NAME and NUMBER
BALCRON FEDERAL 12-22Y-8-17

3. ADDRESS AND TELEPHONE NUMBER
Rt. 3 Box 3630, Myton Utah 84052
435-646-3721

9. API NUMBER
43-013-31476

4. LOCATION OF WELL

Footages **2105 FNL 660 FWL**

QQ, SEC, T, R, M: **SW/NW Section 22, T08S R17**

10. FIELD AND POOL, OR WILDCAT
MONUMENT BUTTE

COUNT **DUCHESNE**
STATE **UTAH**

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

NOTICE OF INTENT: (Submit in Duplicate)		SUBSEQUENT REPORT OF: (Submit Original Form Only)	
[ ] ABANDON	[ ] NEW CONSTRUCTION	[ ] ABANDON*	[ ] NEW CONSTRUCTION
[ ] REPAIR CASING	[ ] PULL OR ALTER CASING	[ ] REPAIR CASING	[ ] PULL OR ALTER CASING
[ ] CHANGE OF PLANS	[ ] RECOMPLETE	[ ] CHANGE OF PLANS	[ ] RECOMPLETE
[ ] CONVERT TO INJECTION	[ ] REPERFORATE	[ ] CONVERT TO INJECTION	[ ] REPERFORATE
[ ] FRACTURE TREAT OR ACIDIZE	[ ] VENT OR FLARE	[ ] FRACTURE TREAT OR ACIDIZE	[ ] VENT OR FLARE
[ ] MULTIPLE COMPLETION	[ ] WATER SHUT OFF	[X] OTHER **Step Rate Test**	
[ ] OTHER _____		DATE WORK COMPLETED _____	

Report results of Multiple Completion and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

*Must be accompanies by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depth for all markers and zones pertinent to this work.

A step rate test was conducted on the subject well on 5/24/01. Results from the test indicate that the fracture gradient is .506 psi/ft. Therefore, Inland is requesting that the MAIP be changed to 340 psi.

13.
NAME & SIGNATURE: Michael Guinn TITLE District Engineer DAT 6/26/01

(This space for State use only)

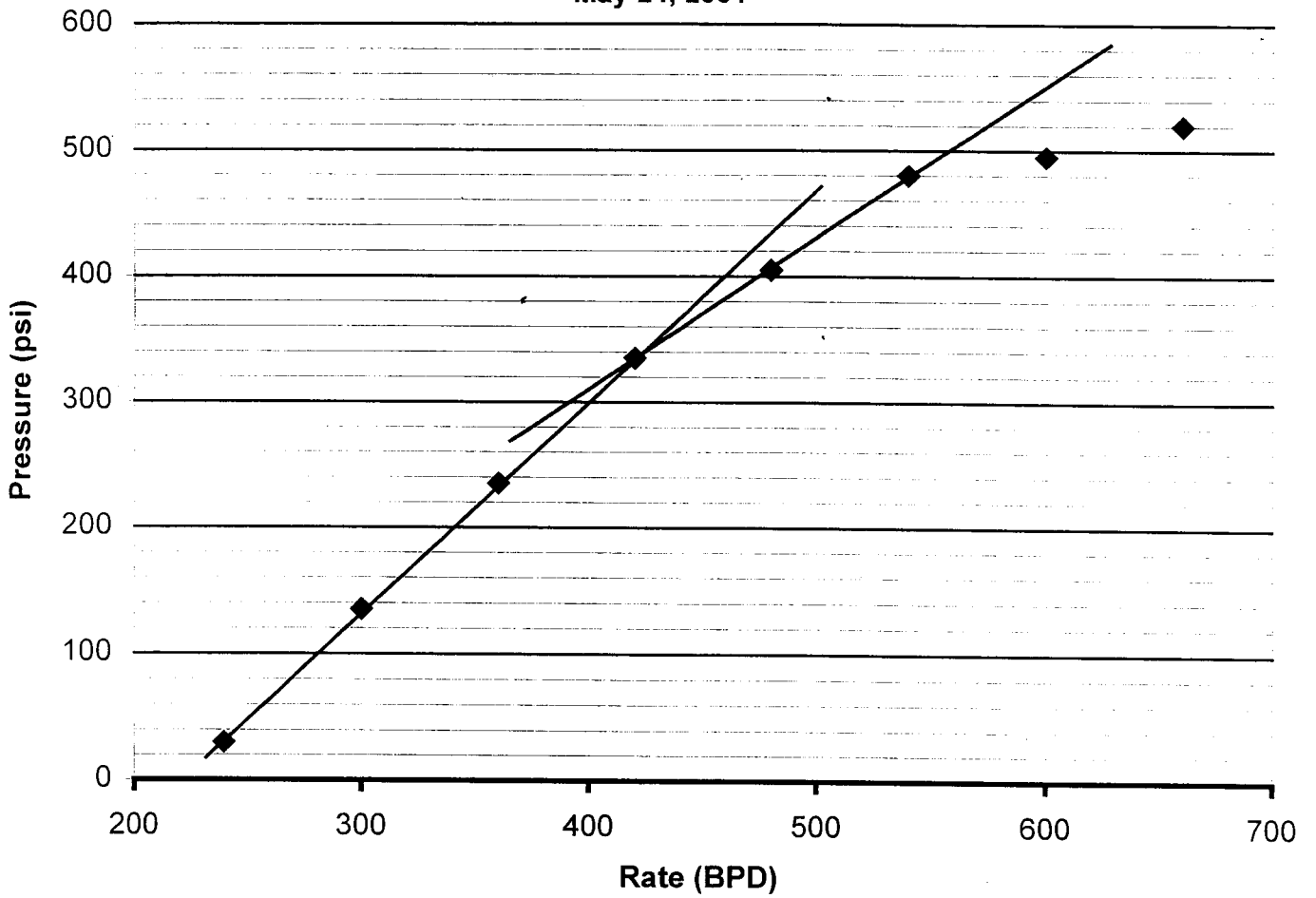
4/94

See Instructions On Reverse Side

Approved by the
Utah Division of
Oil, Gas and Mining
Date: 06-28-01
By:

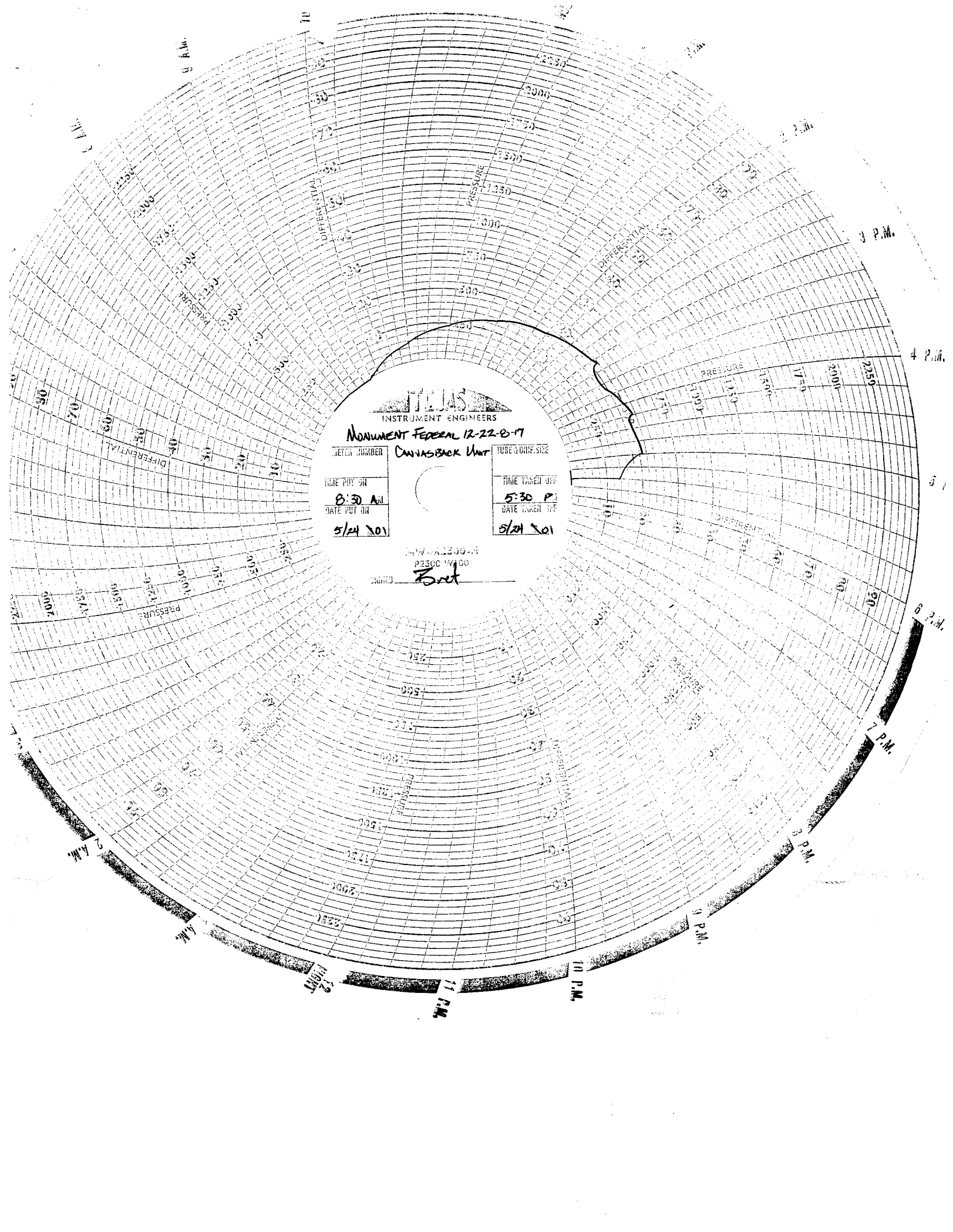
6-27-01
(HD)

Monument Federal 12-22-8-17
Canvasback Unit
Step Rate Test
May 24, 2001



Start Pressure:	0	psi
Instantaneous Shut In Pressure (ISIP):	550	psi
Top Perforation:	4804	feet
Fracture pressure (Pfp):	340	psi
FG:	0.506	psi/ft

Step	Rate(bpd)	Pressure(psi)
1	240	30
2	300	135
3	360	235
4	420	335
5	480	405
6	540	480
7	600	495
8	660	520


TEJAS
INSTRUMENT ENGINEERS
Monument Federal 12-22-8-17
METER NUMBER
Canvasback Unit
TUBE & ORIF. SIZE
TIME PUT ON
8:30 AM
TIME TAKEN OFF
5:30 PM
DATE PUT ON
5/24 '01
DATE TAKEN OFF
5/24 '01
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PRESSURE
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7 P.M.
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5 A.M.

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

5. LEASE DESIGNATION AND SERIAL NUMBER: U66191
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME: CANVASBACK UNIT
8. WELL NAME and NUMBER: BALCRON FED 12-22Y
9. API NUMBER: 4301331476
10. FIELD AND POOL, OR WILDCAT: Monument Butte

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

2. NAME OF OPERATOR: Inland Production Company

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

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 2105 FNL 0660 FWL COUNTY: Duchesne
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SW/NW, 22, T8S, R17E STATE: Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARITLY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLAIR
☒ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of Work Completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/STOP)	☐ WATER SHUT-OFF
07/16/2004	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☒ OTHER: - Step Rate Test
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

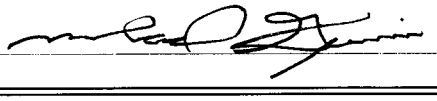
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

A step rate test was conducted on the subject well on July 12, 2004. The fracture gradient was not reached during the test. Therefore, Inlanc is requesting that the maximum allowable injection pressure (MAIP) be changed to the highest pressure achieved during the test or 720 psi.

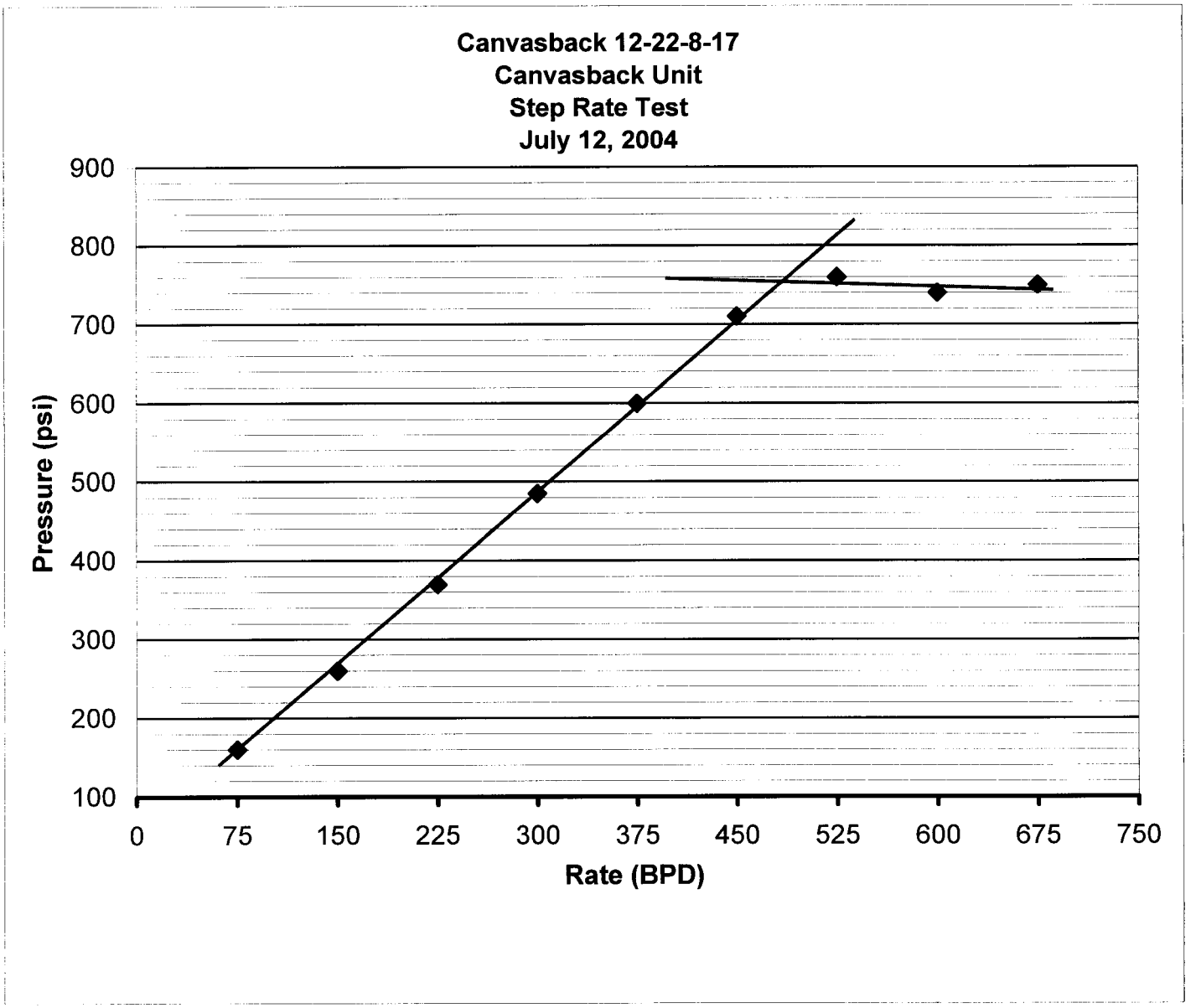
Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY

RECEIVED
JUL 19 2004
DIV. OF OIL, GAS & MINING

NAME (PLEASE Mike Guinn TITLE Engineer

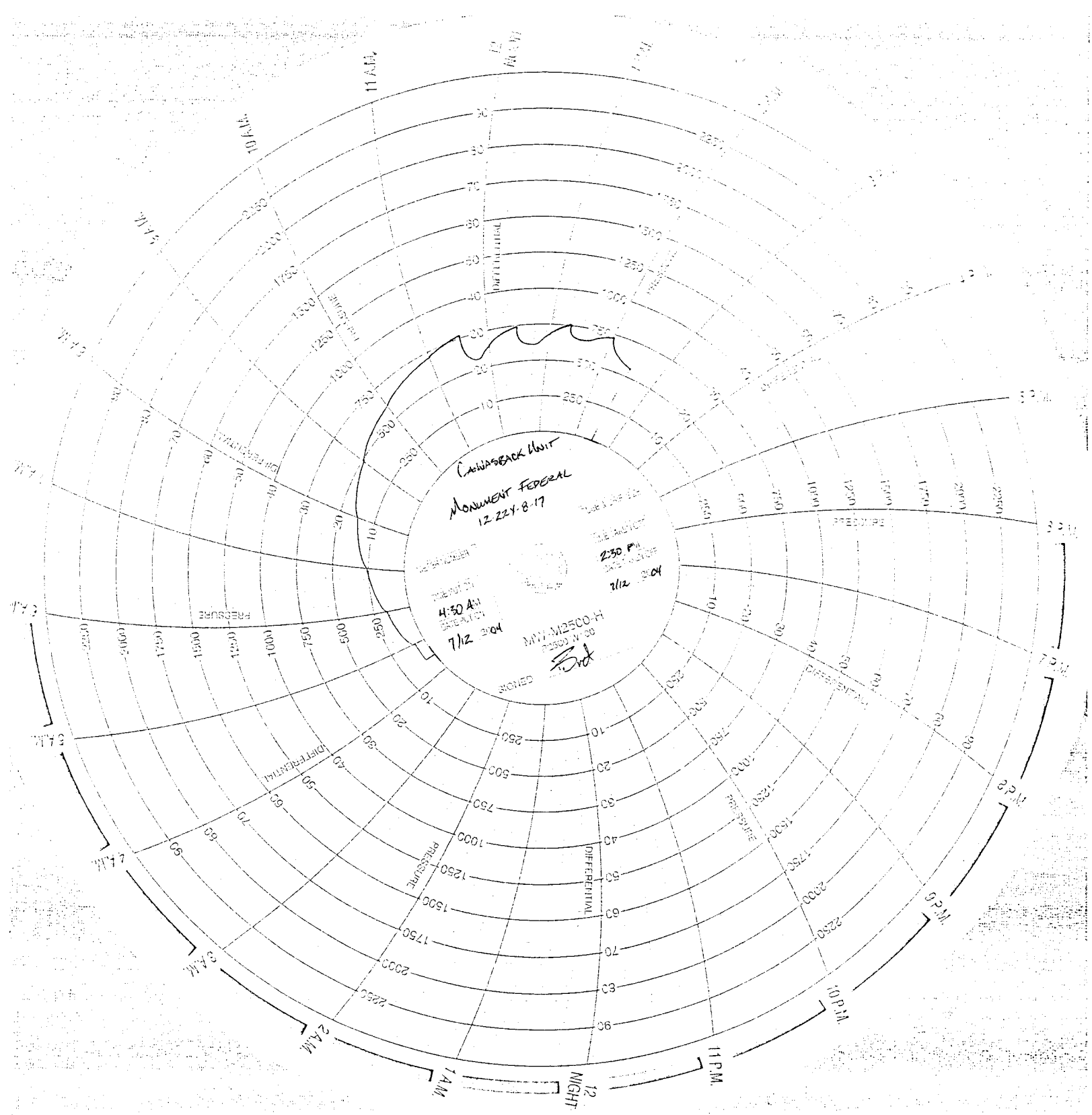
SIGNATURE  DATE July 16, 2004

(This space for State use only)



Start Pressure:	70	psi
Instantaneous Shut In Pressure (ISIP):	720	psi
Top Perforation:	4768	feet
Fracture pressure (Pfp):	750	psi
FG:	0.592	psi/ft

Step	Rate(bpd)	Pressure(psi)
1	75	160
2	150	260
3	225	370
4	300	485
5	375	600
6	450	710
7	525	760
8	600	740


CANYON BACK UNIT
MONUMENT FEDERAL
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2:30 PM
7/12 2004
4:30 AM
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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

TAKE PRIDE IN AMERICA

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 L Coulthard

Michael Coulthard
Acting Chief, Branch of
Fluid Minerals

Enclosure
1. State of Texas Certificate of Registration

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

UTSL-

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065914

UTU-

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72613A
73520X
74477X
75023X
76189X
76331X
76788X
77098X
77107X
77236X
77376X
78560X
79485X
79641X
80207X
81307X

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

Geoffrey S. Connor
Secretary of State

Office of the Secretary of State

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

Newfield Production Company
Filing Number: 41530400

Articles of Amendment September 02, 2004

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

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 1st day of September, 2004.

INLAND RESOURCES INC.

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

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

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

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

EFFECTIVE DATE OF TRANSFER: 9/1/2004

CURRENT OPERATOR

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

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

NEW OPERATOR

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

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

(This space for State use only)

Transfer approved by: D. Hunt
Title: Field Services Manager

Approval Date: 9-20-04

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

(5/2000)

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

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING
1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold) — Designation of Agent/Operator

X Operator Name Change — **Merger**

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

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

CA No. **Unit:** **CANVASBACK (GREEN RIVER)**

WELL(S)

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	
BALCRON FED 12-22Y	22	080S	170E	4301331476	12299	Federal	WI	A	
BALCRON MON FED 22-22-8-17Y	22	080S	170E	4301331538	12299	Federal	OW	P	
BALCRON MON FED 11-22-8-17Y	22	080S	170E	4301331539	12299	Federal	OW	P	
MON FED 13-22-8-17Y	22	080S	170E	4301331583	12299	Federal	OW	S	
MON FED 32-22-8-17	22	080S	170E	4301331586	12299	Federal	WI	A	
MON FED 31-22-8-17	22	080S	170E	4301331587	12299	Federal	OW	P	
MON FED 33-22-8-17	22	080S	170E	4301331588	12299	Federal	OW	P	
MON FED 23-22-8-17Y	22	080S	170E	4301331702	12299	Federal	WI	A	
PARIETTE DRAW 8-22	22	080S	170E	4301331826	12299	Federal	OW	P	
CANVASBACK 13A-22-8-17	22	080S	170E	4301332238	12299	Federal	OW	P	
CANVASBACK 14-22-8-17	22	080S	170E	4301332239	12299	Federal	OW	P	K
CANVASBACK 15-22-8-17	22	080S	170E	4301332240	12299	Federal	OW	P	K
CANVASBACK 16-22-8-17	22	080S	170E	4301332241	12299	Federal	OW	P	
FEDERAL 13-23-8-17	23	080S	170E	4301332340	12299	Federal	OW	P	
CANVASBACK 12-23-8-17	23	080S	170E	4301332341	12299	Federal	OW	P	
CANVASBACK 4-23-8-17	23	080S	170E	4301332342	12299	Federal	OW	P	
CANVASBACK 5-23-8-17	23	080S	170E	4301332343	12299	Federal	OW	P	
FEDERAL 14-23-8-17	23	080S	170E	4304734556	12299	Federal	OW	P	
CANVASBACK 15-23-8-17	23	080S	170E	4304734557	12299	Federal	D	PA	
CANVASBACK 3-23-8-17	23	080S	170E	4304734567	12299	Federal	OW	P	

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/2004
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/2004

3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 2/23/2005
4. Is the new operator registered in the State of Utah: YES Business Number: 755627-0143
5. If **NO**, the operator was contacted contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE

6b. Inspections of LA PA state/fee well sites complete on: waived

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

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

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

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

DATA ENTRY:

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

FEDERAL WELL(S) BOND VERIFICATION:

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

INDIAN WELL(S) BOND VERIFICATION:

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

FEE & STATE WELL(S) BOND VERIFICATION:

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

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

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

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

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NUMBER:	UTU67845
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
7. UNIT or CA AGREEMENT NAME:	CANVASBACK UNIT
1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER Injection well	8. WELL NAME and NUMBER: MON FED 23-22Y-8-17
2. NAME OF OPERATOR: Newfield Production Company	9. API NUMBER: 4301331702
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721	10. FIELD AND POOL, OR WILDCAT: Monument Butte
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 2019 FSL 1356 FWL	COUNTY: Duchesne
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NE/SW, 22, T8S, R17E	STATE: Utah

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

TYPE OF ACTION SubDate

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARITLY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLAIR
☒ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of Work Completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/STOP)	☐ WATER SHUT-OFF
09/13/2005	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☒ OTHER: - 5 Year MIT
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

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

On 9/13/05 Nathan Wiser with the EPA was contacted concerning the 5-year MIT on the above listed well. Permission was given at that time to perform the test on 9/29/05. On 9/29/05 the csg was pressured up to 1240 psig and charted for 30 minutes with 0 psi pressure loss. The well was injecting during the test. The tbg pressure was 1840 psig during the test. There was not an EPA representative available to witness the test. API# 43-013-31702.

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

NAME (PLEASE PRINT) Kathy Chapman TITLE Office Manager

SIGNATURE Kathy Chapman DATE 10/03/2005

(This space for State use only)

RECEIVED
OCT 0 / 2005
DIV. OF OIL, GAS & MINING

FORM 3160-5
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires January 31,2004

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
UTU67845

6. If Indian, Allottee or Tribe Name.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

7. If Unit or CA/Agreement, Name and/or No.
CANVASBACK UNIT

1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other Injection well

8. Well Name and No.
MON FED 23-22Y-8-17

2. Name of Operator
Newfield Production Company

9. API Well No.
4301331702

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone No. *(include are code)*
435.646.3721

10. Field and Pool, or Exploratory Area
Monument Butte

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
2019 FSL 1356 FWL
NE/SW Section 22 T8S R17E

11. County or Parish, State
Duchesne,UT

12. CHECK APPROPRIATE BOX(ES) TO INIDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production(Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other 5 Year MIT
	☐ Change Plans	☐ Plug & Abandon	☐ Temporarily Abandon	
	☐ Convert to Injector	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 9/13/05 Nathan Wiser with the EPA was contacted concerning the 5-year MIT on the above listed well. Permission was given at that time to perform the test on 9/29/05. On 9/29/05 the csg was pressured up to 1240 psig and charted for 30 minutes with 0 psi pressure loss. The well was injecting during the test. The tbg pressure was 1840 psig during the test. There was not an EPA representative available to witness the test. API# 43-013-31702.

I hereby certify that the foregoing is true and correct
Name *(Printed/ Typed)*
Kathy Chapman

Title
Office Manager

Signature

Date
10/03/2005

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice 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.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

RECEIVED
OCT 0 / 2005
DIV. OF OIL, GAS & MINING

Mechanical Integrity Test
Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: _____ Date: 09/29/05
Test conducted by: Dale Giles
Others present: _____

Well Name: Monument Fed. 23-22-8-17 Type: ER SWD Status: AC TA UC
Field: Canvasback Unit
Location: _____ Sec: 22 T 8 N (S) R 17 (E) W County: Duchesne State: UT
Operator: Newfield Production Co.
Last MIT: ___/___/___ Maximum Allowable Pressure: 1860 PSIG

Is this a regularly scheduled test? [X] Yes [ ] No
Initial test for permit? [ ] Yes [ ] No
Test after well rework? [ ] Yes [ ] No
Well injecting during test? [X] Yes [ ] No If Yes, rate: 38 bpd

Pre-test casing/tubing annulus pressure: 0 psig

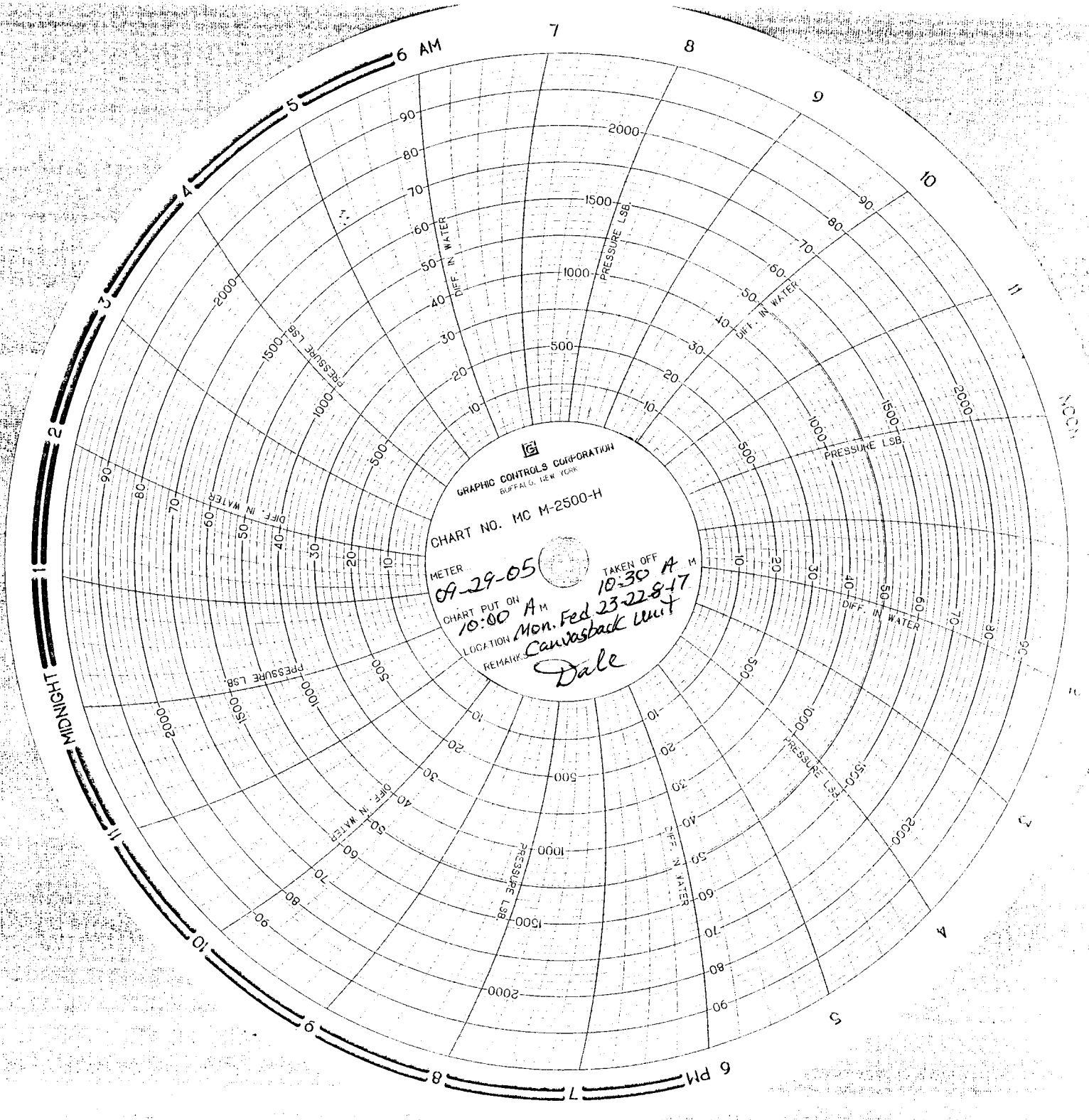
MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING	*PRESSURE*		
Initial Pressure	1840 psig	psig	psig
End of test pressure	1840 psig	psig	psig
CASING / TUBING	*ANNULUS*	*PRESSURE*	
0 minutes	1240 psig	psig	psig
5 minutes	1240 psig	psig	psig
10 minutes	1240 psig	psig	psig
15 minutes	1240 psig	psig	psig
20 minutes	1240 psig	psig	psig
25 minutes	1240 psig	psig	psig
30 minutes	1240 psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	[ ] Pass [ ] Fail	[ ] Pass [ ] Fail	[ ] Pass [ ] Fail

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

MECHANICAL INTEGRITY PRESSURE TEST

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

Signature of Witness: _____


GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK
CHART NO. MC M-2500-H
METER
09-29-05
TAKEN OFF
10:30 AM
CHART PUT ON
10:00 AM
LOCATION Mon. Fed 23-22-8-17
REMARK Canvasback Unit
Dale
6 AM
MIDNIGHT
6 PM
DIFF. IN WATER
PRESSURE LSB.

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

5. LEASE DESIGNATION AND SERIAL NUMBER: UTU66191

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT or CA AGREEMENT NAME: CANVASBACK UNIT

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

8. WELL NAME and NUMBER: BALCRON FED 12-22Y

2. NAME OF OPERATOR: Newfield Production Company

9. API NUMBER: 4301331476

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

PHONE NUMBER: 435.646.3721

10. FIELD AND POOL, OR WILDCAT: Monument Butte

4. LOCATION OF WELL:

FOOTAGES AT SURFACE: 2105 FNL 0660 FWL

COUNTY: Duchesne

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SW/NW, 22, T8S, R17E

STATE: Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION SubDate		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARITLY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLAIR
☒ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of Work Completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/STOP)	☐ WATER SHUT-OFF
10/27/2005	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☒ OTHER: - 5 Year MIT
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

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

On 10/4/05 Nathan Wiser with the EPA was contacted concerning the 5-year MIT on the above listed well. Permission was given at that time to perform the test on 10/24/05. On 10/24/05 the csg was pressured up to 1050 psig and charted for 30 minutes with 0 psi pressure loss. The well was injecting during the test. The tbg pressure was 700 psig during the test. There was not an EPA representative available to witness the test. EPA# 20855-04477 API# 43-013-31476.

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

NAME (PLEASE PRINT) Callie Duncan TITLE Production Clerk

SIGNATURE Callie Duncan DATE 10/27/2005

(This space for State use only)

RECEIVED
OCT 28 2005
DIV. OF OIL, GAS & MINING

Mechanical Integrity Test
Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: _____ Date: 10/24/05
Test conducted by: Dale Giles
Others present: _____

Well Name: Monument Fed. 12-22Y-8-17 Type: ER SWD Status: AC TA UC
Field: Canvasback Unit
Location: _____ Sec: 22 T 8 N/S R 17 E/W County: Duchesne State: UT.
Operator: Newfield Production Co.
Last MIT: / / Maximum Allowable Pressure: 720 PSIG

Is this a regularly scheduled test? [X] Yes [ ] No
Initial test for permit? [ ] Yes [ ] No
Test after well rework? [ ] Yes [ ] No
Well injecting during test? [X] Yes [ ] No If Yes, rate: 23 bpd

Pre-test casing/tubing annulus pressure: 0 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING	*PRESSURE*		
Initial Pressure	700 psig	psig	psig
End of test pressure	700 psig	psig	psig
CASING / TUBING	*ANNULUS*	*PRESSURE*	
0 minutes	1050 psig	psig	psig
5 minutes	1050 psig	psig	psig
10 minutes	1050 psig	psig	psig
15 minutes	1050 psig	psig	psig
20 minutes	1050 psig	psig	psig
25 minutes	1050 psig	psig	psig
30 minutes	1050 psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	[X] Pass [ ] Fail	[ ] Pass [ ] Fail	[ ] Pass [ ] Fail

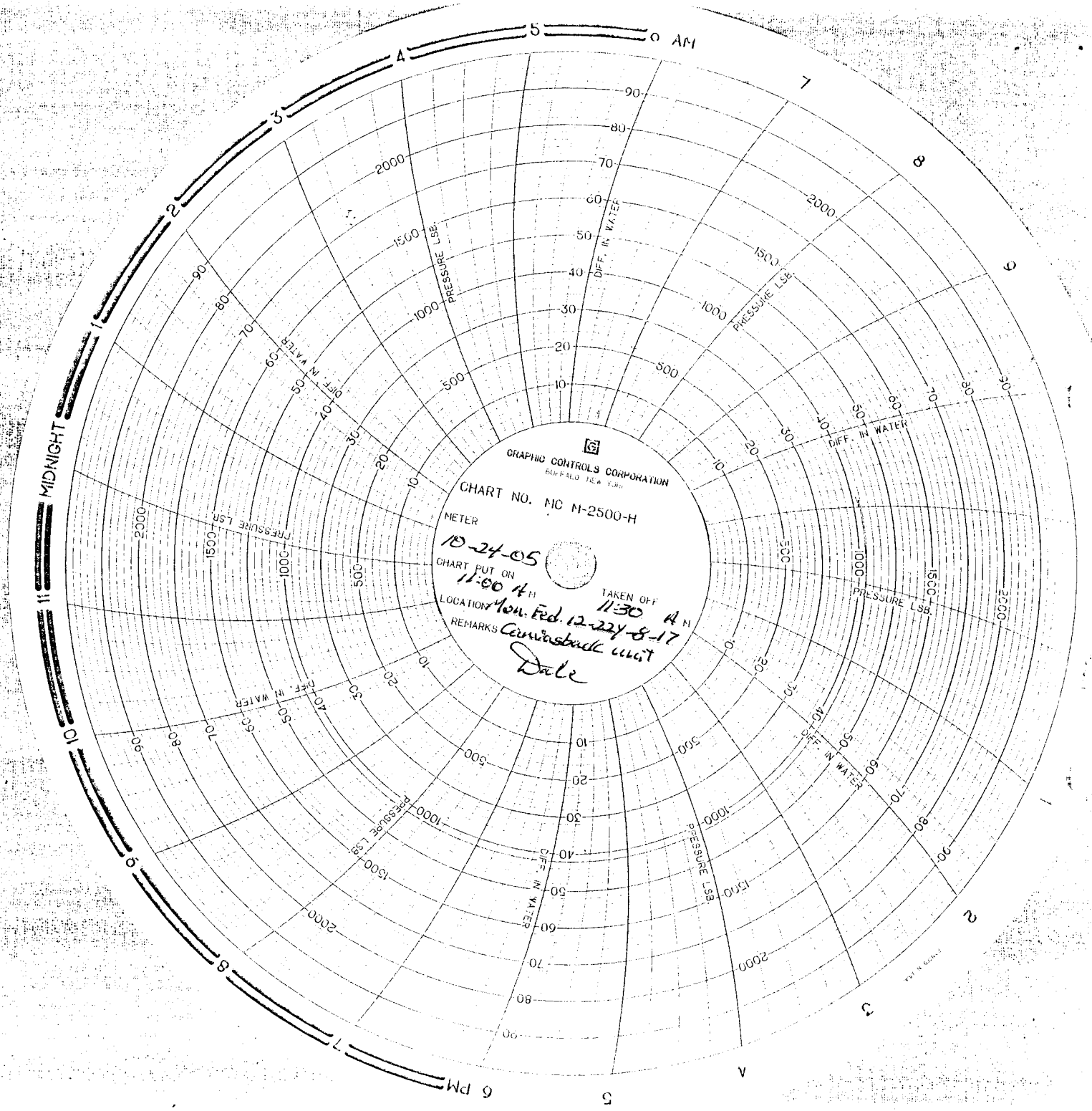
Does the annulus pressure build back up after the test ? [ ] Yes [X] No

MECHANICAL INTEGRITY PRESSURE TEST

RECEIVED
OCT 28 2005
DIV. OF OIL, GAS & MINING

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

Signature of Witness: _____


GRAPHIC CONTROLS CORPORATION
BUFFALO NEW YORK
CHART NO. MC M-2500-H
METER
10-24-05
CHART PUT ON
11:00 AM
TAKEN OFF
11:30 AM
LOCATION Mon. Fed. 12-224-8-17
REMARKS Commingled unit
Dale
MIDNIGHT
6 PM
DIFF. IN WATER
PRESSURE LSB.

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

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.

5. LEASE DESIGNATION AND SERIAL NUMBER:	USA UTU-77233
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
7. UNIT or CA AGREEMENT NAME:	GMBU
1. TYPE OF WELL: OIL WELL [x] GAS WELL [ ] OTHER	8. WELL NAME and NUMBER: BALCRON FED 12-22Y
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 4301331476
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: 2105 FNL 660 FWL	COUNTY: DUCHESNE
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWNW, 22, T8S, R17E	STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
[ ] NOTICE OF INTENT (Submit in Duplicate)	[ ] ACIDIZE	[ ] DEEPEN	[ ] REPERFORATE CURRENT FORMATION
Approximate date work will	[ ] ALTER CASING	[ ] FRACTURE TREAT	[ ] SIDETRACK TO REPAIR WELL
	[ ] CASING REPAIR	[ ] NEW CONSTRUCTION	[ ] TEMPORARITLY ABANDON
	[ ] CHANGE TO PREVIOUS PLANS	[ ] OPERATOR CHANGE	[ ] TUBING REPAIR
	[ ] CHANGE TUBING	[ ] PLUG AND ABANDON	[ ] VENT OR FLAIR
[x] SUBSEQUENT REPORT (Submit Original Form Only)	[ ] CHANGE WELL NAME	[ ] PLUG BACK	[ ] WATER DISPOSAL
Date of Work Completion:	[ ] CHANGE WELL STATUS	[ ] PRODUCTION (START/STOP)	[ ] WATER SHUT-OFF
08/16/2010	[ ] COMMINGLE PRODUCING FORMATIONS	[ ] RECLAMATION OF WELL SITE	[x] OTHER: - Step Rate Test
	[ ] CONVERT WELL TYPE	[ ] RECOMPLETE - DIFFERENT FORMATION	

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

A step rate test was conducted on the subject well on August 16,2010. Results from the test indicate that the fracture gradient is 0.677 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed from 720 psi to 1130 psi.

EPA: UT20855-04477 API: 43-013-31476

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

NAME (PLEASE PRINT) Lucy Chavez-Naupoto TITLE Administrative Assistant

SIGNATURE [signature] DATE 09/22/2010

(This space for State use only)

RECEIVED
SEP 27 2010
DIV. OF OIL, GAS & MINING

Step Rate Test (SRT) Analysis

Date: 08/24/2010

Operator: **Newfield Production Company**

Well: **Monument Federal 12-22Y-8-17**

Permit #: **UT20855-04477**

Enter the following data :

Specific Gravity (sg) of injectate =	**1.015**	*g/cc*	
Depth to top perforation (D) =	**4768**	*feet*	4768
Top of permitted injection zone depth (blank=use top perforation to calculate fg) =		*feet*	
Estimated Formation Parting Pressure (Pfp) from SRT chart =	**1130**	*psi*	
Instantaneous Shut In Pressure (ISIP) from SRT =	**1242**	*psi*	1130
Bottom Hole Parting Pressure (Pbhp) from downhole pressure recorder =		*psi*	no downhole

Part One - Calculation of Fracture Gradient (fg)

Calculated Fracture Gradient = **0.677** *psi/ft.*

where: fg = Pbhp / D (Note: this formula uses the downhole recorded bottom hole parting pressure if available) = 1242

D = depth used = 4768 *Pbhp used = 3226*

Calculated Bottom Hole Parting Pressure (Pbhp) = **3226** *psi* 3225.512

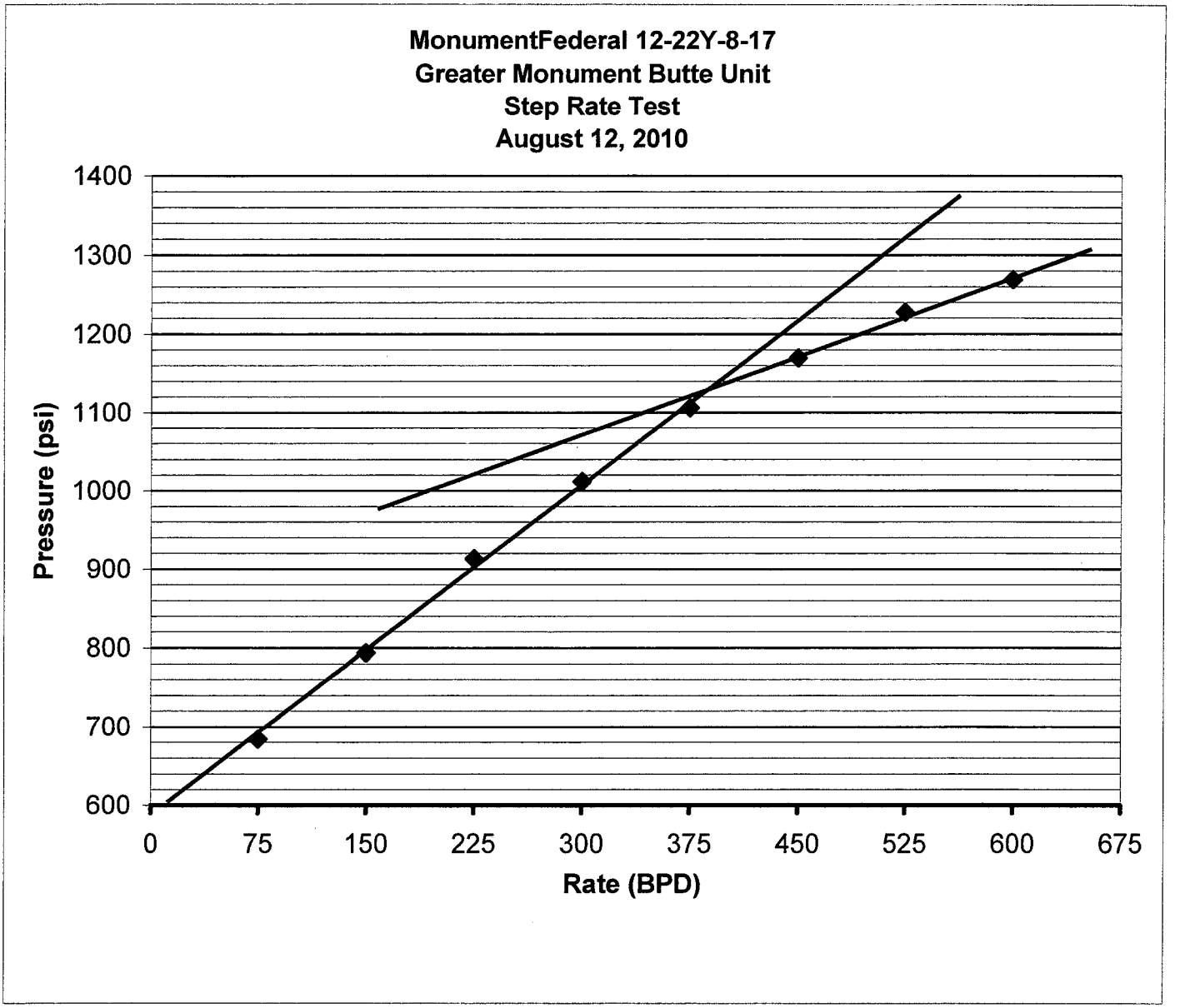
*to calculate Bottom Hole Parting Pressure (Pbhp) = Formation Fracture Pressure (ISIP or Pfp) + (0.433 * SG * D)*

(Uses lesser of ISIP or Pfp) Value used = 1130

Part Two - Calculation of Maximum Allowable Injection Pressure (MAIP)

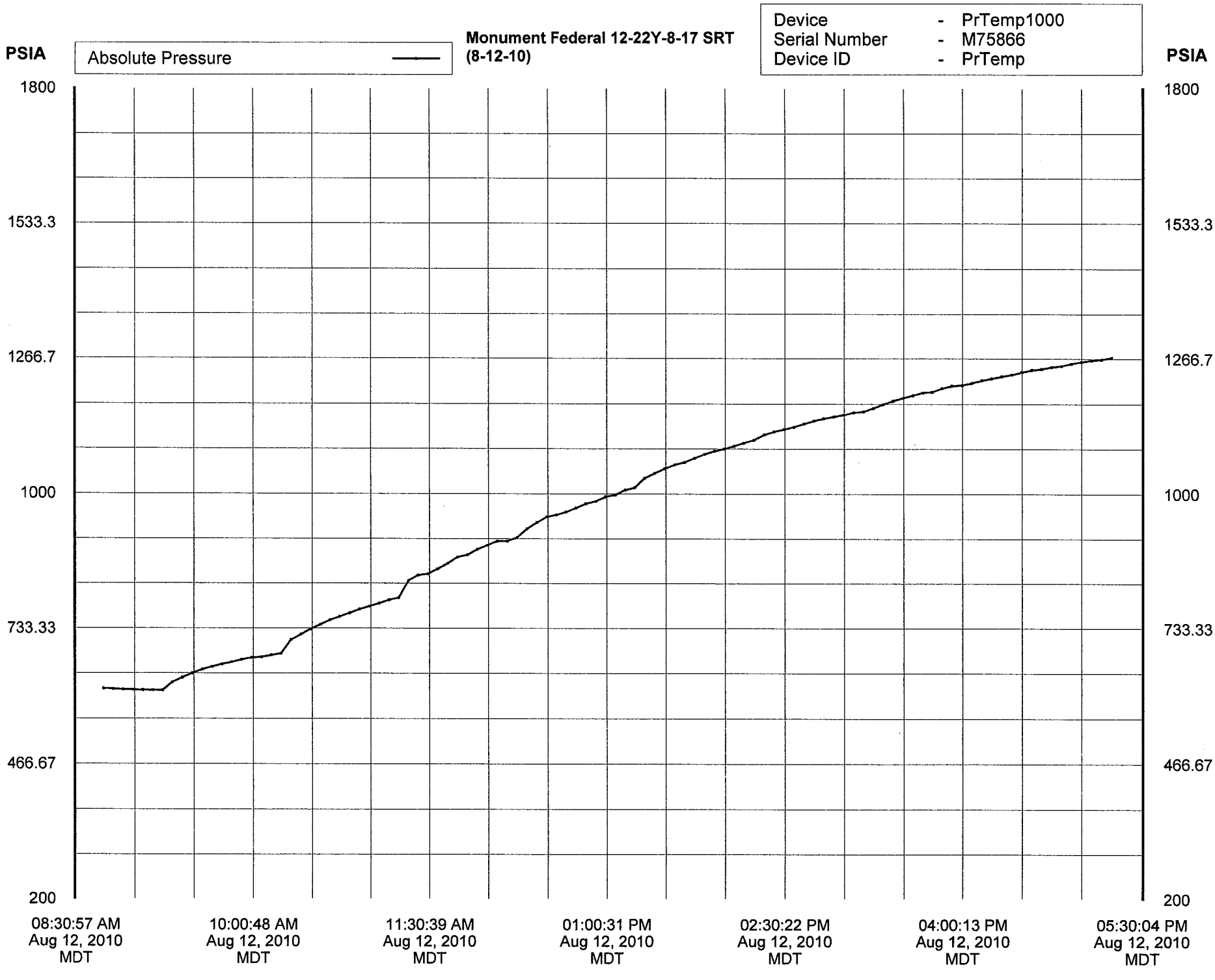
Maximum Allowable Injection Pressure (MAIP) = **1130** *psig*

D = depth used = 4768 *MAIP = [fg - (0.433 * SG)] * D = 1132.424* *(rounded down to nearest 5 psig)*



Start Pressure:	612	psi
Instantaneous Shut In Pressure (ISIP):	1242	psi
Top Perforation:	4768	feet
Fracture pressure (Pfp):	1130	psi
FG:	0.676	psi/ft

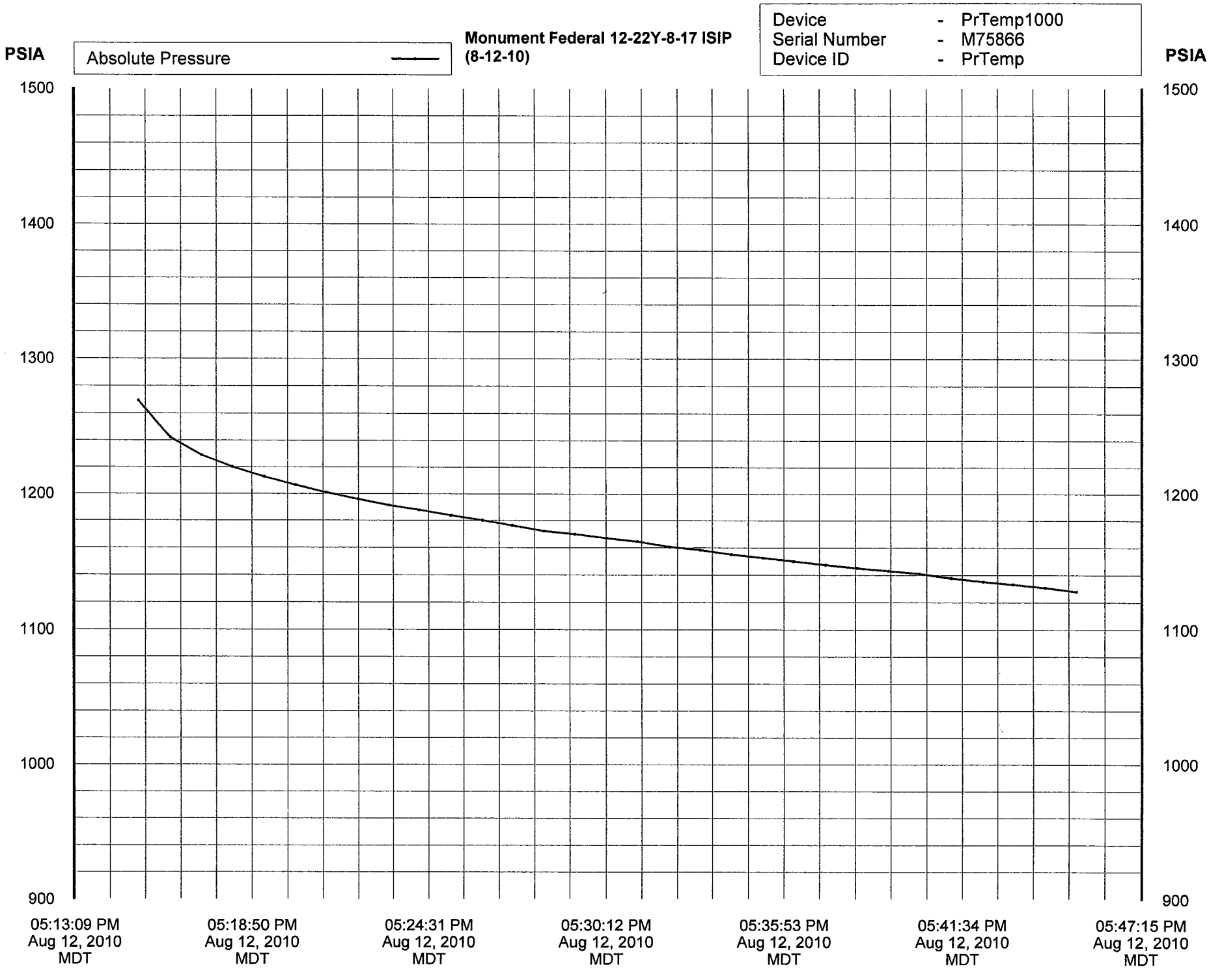
Step	Rate(bpd)	Pressure(psi)
1	75	684
2	150	794
3	225	913
4	300	1012
5	375	1106
6	450	1170
7	525	1228
8	600	1269


Monument Federal 12-22Y-8-17 SRT
(8-12-10)
Device - PrTemp1000
Serial Number - M75866
Device ID - PrTemp
PSIA
Absolute Pressure
1800
1533.3
1266.7
1000
733.33
466.67
200
08:30:57 AM
Aug 12, 2010
MDT
10:00:48 AM
Aug 12, 2010
MDT
11:30:39 AM
Aug 12, 2010
MDT
01:00:31 PM
Aug 12, 2010
MDT
02:30:22 PM
Aug 12, 2010
MDT
04:00:13 PM
Aug 12, 2010
MDT
05:30:04 PM
Aug 12, 2010
MDT

Report Name:	PrTemp1000 Data Table
Report Date:	Aug 13, 2010 03:34:19 PM MDT
File Name:	C:\Program Files\PTC® Instruments 2.00\Monument Federal 12-22y-8-17 SRT (8-12-10).csv
Title:	Monument Federal 12-22Y-8-17 SRT (8-12-10)
Device:	PrTemp1000 - Temperature and Pressure Recorder
Hardware Revision:	REV2C (64K)
Serial Number:	M75866
Device ID:	PrTemp
Data Start Date:	Aug 12, 2010 08:45:00 AM MDT
Data End Date:	Aug 12, 2010 05:15:00 PM MDT
Reading Rate:	2 Seconds
Readings:	1 to 103 of 103
Last Calibration Date:	May 22, 2009
Next Calibration Date:	May 22, 2010

Reading	Date and Time (MDT)	Absolute Pressure	Annotation
1	Aug 12, 2010 08:45:00 AM	615.200 PSIA	
2	Aug 12, 2010 08:50:00 AM	614.400 PSIA	
3	Aug 12, 2010 08:55:00 AM	613.400 PSIA	
4	Aug 12, 2010 09:00:00 AM	612.800 PSIA	
5	Aug 12, 2010 09:05:00 AM	612.200 PSIA	
6	Aug 12, 2010 09:09:59 AM	612.000 PSIA	
7	Aug 12, 2010 09:14:59 AM	611.600 PSIA	
8	Aug 12, 2010 09:19:59 AM	627.000 PSIA	
9	Aug 12, 2010 09:25:01 AM	636.200 PSIA	
10	Aug 12, 2010 09:30:00 AM	644.400 PSIA	
11	Aug 12, 2010 09:34:59 AM	652.000 PSIA	
12	Aug 12, 2010 09:39:59 AM	657.200 PSIA	
13	Aug 12, 2010 09:45:00 AM	662.200 PSIA	
14	Aug 12, 2010 09:49:59 AM	666.400 PSIA	
15	Aug 12, 2010 09:54:59 AM	671.200 PSIA	
16	Aug 12, 2010 10:00:00 AM	675.200 PSIA	
17	Aug 12, 2010 10:04:59 AM	676.400 PSIA	
18	Aug 12, 2010 10:09:59 AM	680.400 PSIA	
19	Aug 12, 2010 10:15:00 AM	683.800 PSIA	
20	Aug 12, 2010 10:19:59 AM	710.400 PSIA	
21	Aug 12, 2010 10:25:00 AM	721.200 PSIA	
22	Aug 12, 2010 10:29:59 AM	731.600 PSIA	
23	Aug 12, 2010 10:35:00 AM	740.800 PSIA	
24	Aug 12, 2010 10:39:59 AM	749.400 PSIA	
25	Aug 12, 2010 10:44:59 AM	756.600 PSIA	
26	Aug 12, 2010 10:49:59 AM	763.800 PSIA	
27	Aug 12, 2010 10:54:59 AM	770.800 PSIA	
28	Aug 12, 2010 10:59:59 AM	776.800 PSIA	
29	Aug 12, 2010 11:04:59 AM	783.000 PSIA	
30	Aug 12, 2010 11:10:01 AM	789.400 PSIA	
31	Aug 12, 2010 11:15:00 AM	793.800 PSIA	
32	Aug 12, 2010 11:20:00 AM	827.200 PSIA	
33	Aug 12, 2010 11:25:00 AM	838.400 PSIA	
34	Aug 12, 2010 11:30:00 AM	841.000 PSIA	
35	Aug 12, 2010 11:35:00 AM	851.200 PSIA	
36	Aug 12, 2010 11:40:00 AM	861.800 PSIA	
37	Aug 12, 2010 11:44:59 AM	874.400 PSIA	
38	Aug 12, 2010 11:49:59 AM	879.000 PSIA	
39	Aug 12, 2010 11:54:59 AM	889.600 PSIA	
40	Aug 12, 2010 11:59:59 AM	897.800 PSIA	
41	Aug 12, 2010 12:04:59 PM	906.000 PSIA	
42	Aug 12, 2010 12:09:59 PM	906.200 PSIA	
43	Aug 12, 2010 12:15:00 PM	913.200 PSIA	
44	Aug 12, 2010 12:20:00 PM	930.800 PSIA	
45	Aug 12, 2010 12:25:00 PM	943.200 PSIA	
46	Aug 12, 2010 12:30:00 PM	954.600 PSIA	
47	Aug 12, 2010 12:35:00 PM	958.600 PSIA	
48	Aug 12, 2010 12:39:59 PM	964.400 PSIA	
49	Aug 12, 2010 12:44:59 PM	972.200 PSIA	
50	Aug 12, 2010 12:49:59 PM	980.800 PSIA	
51	Aug 12, 2010 12:54:59 PM	985.600 PSIA	
52	Aug 12, 2010 01:00:00 PM	994.200 PSIA	
53	Aug 12, 2010 01:04:59 PM	998.200 PSIA	
54	Aug 12, 2010 01:10:00 PM	1007.400 PSIA	
55	Aug 12, 2010 01:14:59 PM	1012.200 PSIA	
56	Aug 12, 2010 01:19:59 PM	1030.800 PSIA	
57	Aug 12, 2010 01:25:00 PM	1041.000 PSIA	
58	Aug 12, 2010 01:29:59 PM	1050.200 PSIA	
59	Aug 12, 2010 01:35:00 PM	1057.800 PSIA	

60	Aug 12, 2010 01:40:00 PM	1062.600	PSIA
61	Aug 12, 2010 01:45:02 PM	1070.800	PSIA
62	Aug 12, 2010 01:50:00 PM	1078.200	PSIA
63	Aug 12, 2010 01:54:59 PM	1084.600	PSIA
64	Aug 12, 2010 01:59:59 PM	1089.000	PSIA
65	Aug 12, 2010 02:05:00 PM	1094.400	PSIA
66	Aug 12, 2010 02:09:59 PM	1100.600	PSIA
67	Aug 12, 2010 02:14:59 PM	1106.400	PSIA
68	Aug 12, 2010 02:20:00 PM	1117.200	PSIA
69	Aug 12, 2010 02:25:00 PM	1123.400	PSIA
70	Aug 12, 2010 02:30:00 PM	1127.800	PSIA
71	Aug 12, 2010 02:35:00 PM	1132.400	PSIA
72	Aug 12, 2010 02:40:02 PM	1138.800	PSIA
73	Aug 12, 2010 02:44:59 PM	1144.600	PSIA
74	Aug 12, 2010 02:49:59 PM	1149.400	PSIA
75	Aug 12, 2010 02:55:00 PM	1152.800	PSIA
76	Aug 12, 2010 03:00:00 PM	1156.600	PSIA
77	Aug 12, 2010 03:05:00 PM	1161.400	PSIA
78	Aug 12, 2010 03:09:59 PM	1163.200	PSIA
79	Aug 12, 2010 03:15:00 PM	1170.000	PSIA
80	Aug 12, 2010 03:20:00 PM	1177.400	PSIA
81	Aug 12, 2010 03:24:59 PM	1184.200	PSIA
82	Aug 12, 2010 03:30:00 PM	1189.600	PSIA
83	Aug 12, 2010 03:34:59 PM	1195.000	PSIA
84	Aug 12, 2010 03:40:00 PM	1200.200	PSIA
85	Aug 12, 2010 03:44:59 PM	1201.800	PSIA
86	Aug 12, 2010 03:49:59 PM	1209.000	PSIA
87	Aug 12, 2010 03:55:00 PM	1213.800	PSIA
88	Aug 12, 2010 04:00:00 PM	1215.400	PSIA
89	Aug 12, 2010 04:04:59 PM	1219.400	PSIA
90	Aug 12, 2010 04:09:59 PM	1224.600	PSIA
91	Aug 12, 2010 04:14:59 PM	1228.200	PSIA
92	Aug 12, 2010 04:19:59 PM	1232.200	PSIA
93	Aug 12, 2010 04:24:59 PM	1235.600	PSIA
94	Aug 12, 2010 04:30:07 PM	1240.800	PSIA
95	Aug 12, 2010 04:34:59 PM	1245.000	PSIA
96	Aug 12, 2010 04:39:59 PM	1247.000	PSIA
97	Aug 12, 2010 04:45:00 PM	1250.800	PSIA
98	Aug 12, 2010 04:49:59 PM	1252.800	PSIA
99	Aug 12, 2010 04:54:59 PM	1257.400	PSIA
100	Aug 12, 2010 04:59:59 PM	1260.600	PSIA
101	Aug 12, 2010 05:05:00 PM	1263.800	PSIA
102	Aug 12, 2010 05:09:59 PM	1265.600	PSIA
103	Aug 12, 2010 05:15:00 PM	1269.200	PSIA


PSIA
Absolute Pressure
Monument Federal 12-22Y-8-17 ISIP
(8-12-10)
Device - PrTemp1000
Serial Number - M75866
Device ID - PrTemp
PSIA
1500
1400
1300
1200
1100
1000
900
05:13:09 PM
Aug 12, 2010
MDT
05:18:50 PM
Aug 12, 2010
MDT
05:24:31 PM
Aug 12, 2010
MDT
05:30:12 PM
Aug 12, 2010
MDT
05:35:53 PM
Aug 12, 2010
MDT
05:41:34 PM
Aug 12, 2010
MDT
05:47:15 PM
Aug 12, 2010
MDT

Report Name:	PrTemp1000 Data Table
Report Date:	Aug 13, 2010 03:34:11 PM MDT
File Name:	C:\Program Files\PTC® Instruments 2.00\Monument Federal 12-22y-8-17 ISIP (8-12-10).csv
Title:	Monument Federal 12-22Y-8-17 ISIP (8-12-10)
Device:	PrTemp1000 - Temperature and Pressure Recorder
Hardware Revision:	REV2C (64K)
Serial Number:	M75866
Device ID:	PrTemp
Data Start Date:	Aug 12, 2010 05:15:12 PM MDT
Data End Date:	Aug 12, 2010 05:45:13 PM MDT
Reading Rate:	2 Seconds
Readings:	1 to 31 of 31
Last Calibration Date:	May 22, 2009
Next Calibration Date:	May 22, 2010

Reading	Date and Time (MDT)	Absolute Pressure	Annotation
1	Aug 12, 2010 05:15:12 PM	1269.200 PSIA	
2	Aug 12, 2010 05:16:14 PM	1242.200 PSIA	
3	Aug 12, 2010 05:17:13 PM	1229.000 PSIA	
4	Aug 12, 2010 05:18:12 PM	1220.200 PSIA	
5	Aug 12, 2010 05:19:13 PM	1212.800 PSIA	
6	Aug 12, 2010 05:20:13 PM	1206.600 PSIA	
7	Aug 12, 2010 05:21:12 PM	1201.000 PSIA	
8	Aug 12, 2010 05:22:14 PM	1196.000 PSIA	
9	Aug 12, 2010 05:23:14 PM	1191.600 PSIA	
10	Aug 12, 2010 05:24:12 PM	1188.000 PSIA	
11	Aug 12, 2010 05:25:14 PM	1183.800 PSIA	
12	Aug 12, 2010 05:26:15 PM	1180.200 PSIA	
13	Aug 12, 2010 05:27:13 PM	1176.400 PSIA	
14	Aug 12, 2010 05:28:13 PM	1172.400 PSIA	
15	Aug 12, 2010 05:29:13 PM	1170.000 PSIA	
16	Aug 12, 2010 05:30:13 PM	1167.000 PSIA	
17	Aug 12, 2010 05:31:12 PM	1164.600 PSIA	
18	Aug 12, 2010 05:32:13 PM	1160.600 PSIA	
19	Aug 12, 2010 05:33:12 PM	1158.400 PSIA	
20	Aug 12, 2010 05:34:12 PM	1155.000 PSIA	
21	Aug 12, 2010 05:35:13 PM	1152.600 PSIA	
22	Aug 12, 2010 05:36:12 PM	1150.000 PSIA	
23	Aug 12, 2010 05:37:13 PM	1147.400 PSIA	
24	Aug 12, 2010 05:38:13 PM	1145.000 PSIA	
25	Aug 12, 2010 05:39:13 PM	1143.000 PSIA	
26	Aug 12, 2010 05:40:12 PM	1141.000 PSIA	
27	Aug 12, 2010 05:41:13 PM	1137.800 PSIA	
28	Aug 12, 2010 05:42:14 PM	1135.200 PSIA	
29	Aug 12, 2010 05:43:12 PM	1133.200 PSIA	
30	Aug 12, 2010 05:44:13 PM	1130.800 PSIA	
31	Aug 12, 2010 05:45:13 PM	1128.000 PSIA	

Monument Federal 12-22Y-8-17 Rate Sheet (8-12-10)

Step # 1	Time:	9:20	9:25	9:30	9:35	9:40	9:45
	Rate:	75.6	75.6	75.6	75.5	75.5	75.5
	Time:	9:50	9:55	10:00	10:05	10:10	10:15
	Rate:	75.5	75.5	75.5	75.5	75.4	75.4
Step # 2	Time:	10:20	10:25	10:30	10:35	10:40	10:45
	Rate:	150.5	150.5	150.4	150.4	150.4	150.4
	Time:	10:50	10:55	11:00	11:05	11:10	11:15
	Rate:	150.3	150.3	150.3	150.3	150.2	150.2
Step # 3	Time:	11:20	11:25	11:30	11:35	11:40	11:45
	Rate:	225.5	225.5	225.5	225.5	225.5	225.4
	Time:	11:50	11:55	12:00	12:05	12:10	12:15
	Rate:	225.4	225.4	225.4	225.3	225.3	225.3
Step # 4	Time:	12:20	12:25	12:30	12:35	12:40	12:45
	Rate:	300.7	300.7	300.7	300.7	300.6	300.5
	Time:	12:50	12:55	1:00	1:05	1:10	1:15
	Rate:	300.5	300.5	300.5	300.5	300.5	300.4
Step # 5	Time:	1:20	1:25	1:30	1:35	1:40	1:45
	Rate:	375.5	375.5	375.5	375.4	375.4	375.4
	Time:	1:50	1:55	2:00	2:05	2:10	2:15
	Rate:	375.4	375.4	375.3	375.3	375.3	375.3
Step # 6	Time:	2:20	2:25	2:30	2:35	2:40	2:45
	Rate:	450.4	450.4	450.3	450.3	450.3	450.3
	Time:	2:50	2:55	3:00	3:05	3:10	3:15
	Rate:	450.2	450.2	450.2	450.1	450.1	450.1
Step # 7	Time:	3:20	3:25	3:30	3:35	3:40	3:45
	Rate:	525.6	525.6	525.6	525.6	525.6	525.4
	Time:	3:50	3:55	4:00	4:05	4:10	4:15
	Rate:	525.4	525.4	525.3	525.3	525.3	525.3
Step # 8	Time:	4:20	4:25	4:30	4:35	4:40	4:45
	Rate:	600.5	600.5	600.5	600.4	600.4	600.4
	Time:	4:50	4:55	5:00	5:05	5:10	5:15
	Rate:	600.4	600.4	600.3	600.2	600.2	600.1

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

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.

5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-77233
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME: GMBU
1. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER
8. WELL NAME and NUMBER: BALCRON FED 12-22Y
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY
9. API NUMBER: 4301331476
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: 2105 FNL 660 FWL
COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW, 22, T8S, R17E
STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
[ ] NOTICE OF INTENT (Submit in Duplicate)	[ ] ACIDIZE	[ ] DEEPEN	[ ] REPERFORATE CURRENT FORMATION
Approximate date work will	[ ] ALTER CASING	[ ] FRACTURE TREAT	[ ] SIDETRACK TO REPAIR WELL
	[ ] CASING REPAIR	[ ] NEW CONSTRUCTION	[ ] TEMPORARITLY ABANDON
	[ ] CHANGE TO PREVIOUS PLANS	[ ] OPERATOR CHANGE	[ ] TUBING REPAIR
	[ ] CHANGE TUBING	[ ] PLUG AND ABANDON	[ ] VENT OR FLAIR
[X] SUBSEQUENT REPORT (Submit Original Form Only)	[ ] CHANGE WELL NAME	[ ] PLUG BACK	[ ] WATER DISPOSAL
Date of Work Completion:	[ ] CHANGE WELL STATUS	[ ] PRODUCTION (START/STOP)	[ ] WATER SHUT-OFF
09/28/2010	[ ] COMMINGLE PRODUCING FORMATIONS	[ ] RECLAMATION OF WELL SITE	[X] OTHER: - Five Year MIT
	[ ] CONVERT WELL TYPE	[ ] RECOMPLETE - DIFFERENT FORMATION	

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

On 09/13/2010 Nathan Wiser with the EPA was contacted concerning the 5 year MIT on the above listed well. On 09/28/2010 the casing was pressured up to 12400 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 605 psig during the test. There was not an EPA representative available to witness the test.

EPA# UT20855-04477 API# 43-013-31476

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

NAME (PLEASE PRINT) Lucy Chavez-Naupoto
TITLE Administrative Assistant
SIGNATURE
DATE 09/29/2010

(This space for State use only)

RECEIVED
OCT 04 2010
DIV. OF OIL, GAS & MINING

Mechanical Integrity Test
Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: _____ Date: 9/28/10
Test conducted by: Rusty Bird
Others present: _____

Well Name: Monument Federal 12-22V-8-17 Type: ER SWD Status: AC TA UC
Field: Monument Butte
Location: SW/NW Sec: 22 T 8 N/S R 17 E/W County: Duchesne State: Ut
Operator: Newfield
Last MIT: / / Maximum Allowable Pressure: 720 PSIG

Is this a regularly scheduled test? [X] Yes [ ] No
Initial test for permit? [ ] Yes [X] No
Test after well rework? [ ] Yes [X] No
Well injecting during test? [ ] Yes [X] No If Yes, rate: 0 bpd

Pre-test casing/tubing annulus pressure: 0 psig

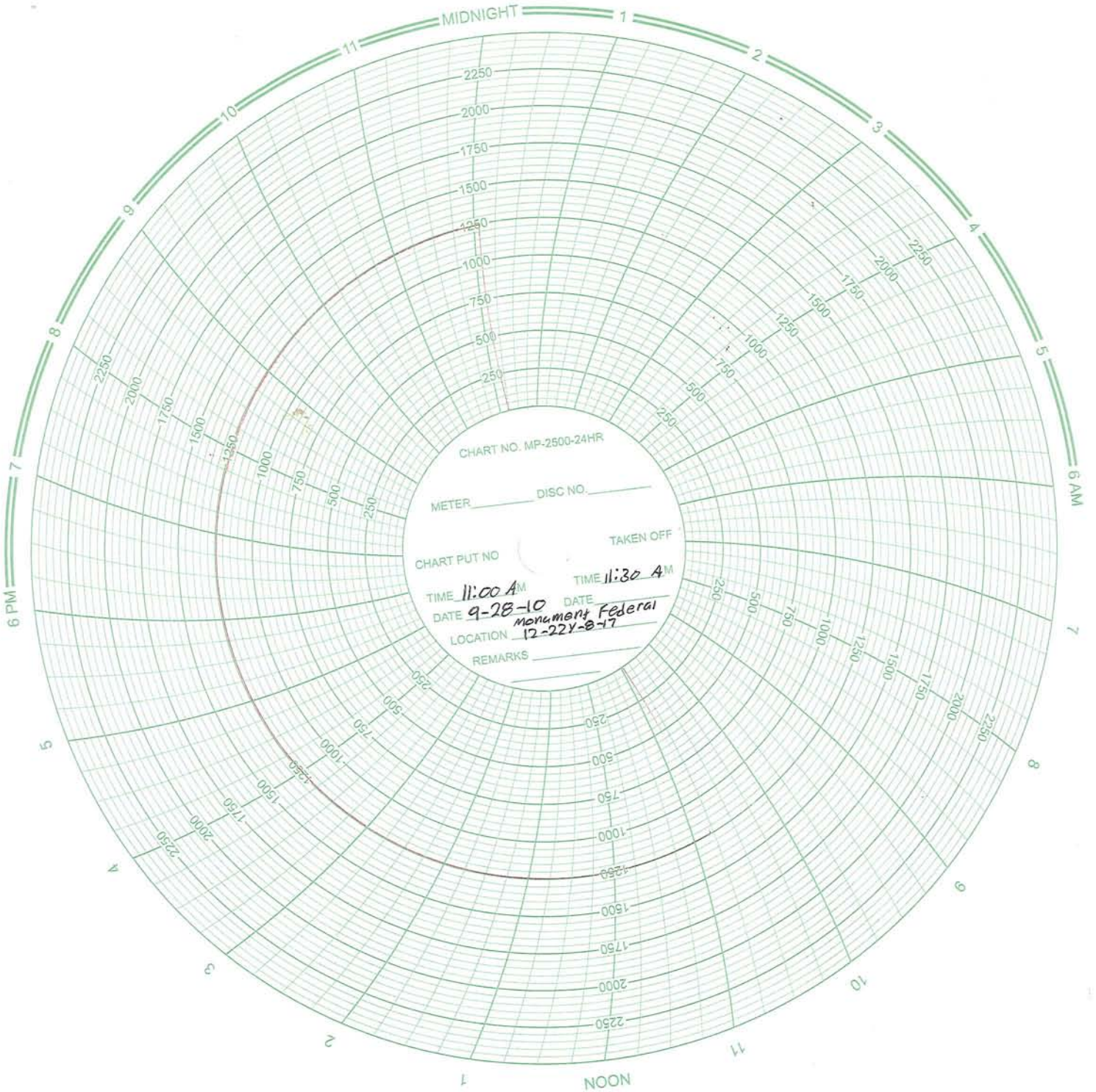
MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING	*PRESSURE*		
Initial Pressure	605 psig	psig	psig
End of test pressure	605 psig	psig	psig
CASING / TUBING	*ANNULUS*	*PRESSURE*	
0 minutes	1240 psig	psig	psig
5 minutes	1240 psig	psig	psig
10 minutes	1240 psig	psig	psig
15 minutes	1240 psig	psig	psig
20 minutes	1240 psig	psig	psig
25 minutes	1240 psig	psig	psig
30 minutes	1240 psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	[X] Pass [ ] Fail	[ ] Pass [ ] Fail	[ ] Pass [ ] Fail

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

MECHANICAL INTEGRITY PRESSURE TEST

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

Signature of Witness: Rusty Bird


MIDNIGHT
NOON
6 AM
6 PM
CHART NO. MP-2500-24HR
METER
DISC NO.
CHART PUT NO
TAKEN OFF
TIME 11:00 AM
DATE 9-28-10
TIME 11:30 AM
DATE
LOCATION Monument Federal 12-22Y-8-17
REMARKS

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8
1595 Wynkoop Street
Denver, CO 80202-1129
Phone 800-227-8917
http://www.epa.gov/region08

OCT 18 2010

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

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

Mr. Michael Guinn
District Manager
Newfield Production Company
Route 3-Box 3630
Myton, UT 84502

RE: Underground Injection Control (UIC)
Minor Permit Modification
Authorization to Continue Injection
EPA UIC Permit UT20855-04477
Well: Monument Federal 12-22Y-8-17
SWNW Sec. 22-T8S-R17E
Duchesne County, Utah
API No.: 43-013-31476

Dear Mr. Guinn:

The U.S. Environmental Protection Agency (EPA), Region 8, has received Newfield Production Company's (Newfield) February 10, 2010, letter with enclosures requesting an increase in the Maximum Allowable Injection Pressure (MAIP) for the Monument Federal 12-22Y-8-17 well. Newfield's interpretation of the enclosed Step Rate Test (SRT) data concluded the fracture gradient to be 0.677 psi/ft. However, EPA's analysis of the data determined the fracture gradient to be 0.669 psi/ft., resulting in a calculated MAIP of 1,090 psig. Therefore, the MAIP for UIC Permit UT20855-04477 is hereby increased to 1,090 psig from the 720 psig previously authorized.

As of the date of this letter, EPA authorizes continued injection into the Monument Federal 12-22Y-8-17 well under the terms and conditions of UIC Permit UT20855-04477 at the MAIP of 1,090 psig.

RECEIVED
OCT 27 2010
DIV. OF OIL, GAS & MINING

You may apply for a higher MAIP at a later date. Your application should be accompanied by the interpreted results of a SRT that measures the fracture parting pressure and determines the fracture gradient at the injection depth and location. A current copy of EPA guidelines for running and interpreting a SRT will be sent upon request. Should the SRT result in a request for a higher MAIP, a RTS conducted at the new MAIP is required.

As of this approval, responsibility for permit compliance and enforcement is transferred to the EPA Region 8 UIC Technical Enforcement Program Office. Therefore, please direct all future notification, reporting, monitoring and compliance correspondence to the following address, referencing the well name and UIC Permit number on all correspondence regarding this well:

US EPA, Region 8
Attn: Nathan Wiser
MC: ENF-UFO
1595 Wynkoop Street
Denver, CO 80202

For questions regarding notification, testing, monitoring, reporting or other permit requirements, Nathan Wiser of the UIC Technical Enforcement Program may be reached by calling 800-227-8917 (ext. 312-6211). Please be reminded that it is your responsibility to be aware of and to comply with all conditions of your Permit.

If you have any questions regarding this approval, please call Emmett Schmitz at 303-312-6174 or 800-227-8917 (ext. 312-6174).

Sincerely,

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

cc: Uintah & Ouray Business Committee:
Frances Poowegup, Vice-Chairwoman
Curtis Cesspooch, Councilman
Phillip Chimburas, Councilman
Stewart Pike, Councilman
Irene Cuch, Councilwoman
Richard Jenks, Jr., Councilman

Daniel Picard
BIA - Uintah & Ouray Indian Agency

Mike Natchees
Environmental Coordinator
Ute Indian Tribe

Manual Myore
Director of Energy & Minerals Dept.
Ute Indian Tribe

Brad Hill
Acting Associate Director
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office
BLM - Vernal Office

Eric Sundberg, Regulatory Analyst
Newfield Production Company
Denver, CO

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

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.

5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-66191	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
7. UNIT or CA AGREEMENT NAME: GMBU	
1. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER	8. WELL NAME and NUMBER: BALCRON FED 12-22Y
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 4301331476
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: 2105 FNL 660 FWL	COUNTY: DUCHESNE
OTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW, 22, T8S, R17E	STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
[ ] NOTICE OF INTENT (Submit in Duplicate)	[ ] ACIDIZE	[ ] DEEPEN	[ ] REPERFORATE CURRENT FORMATION
Approximate date work will	[ ] ALTER CASING	[ ] FRACTURE TREAT	[ ] SIDETRACK TO REPAIR WELL
	[ ] CASING REPAIR	[ ] NEW CONSTRUCTION	[ ] TEMPORARILTY ABANDON
	[ ] CHANGE TO PREVIOUS PLANS	[ ] OPERATOR CHANGE	[ ] TUBING REPAIR
	[ ] CHANGE TUBING	[ ] PLUG AND ABANDON	[ ] VENT OR FLAIR
[X] SUBSEQUENT REPORT (Submit Original Form Only)	[ ] CHANGE WELL NAME	[ ] PLUG BACK	[ ] WATER DISPOSAL
Date of Work Completion:	[ ] CHANGE WELL STATUS	[ ] PRODUCTION (START/STOP)	[ ] WATER SHUT-OFF
09/28/2010	[ ] COMMINGLE PRODUCING FORMATIONS	[ ] RECLAMATION OF WELL SITE	[X] OTHER: - Five Year MIT
	[ ] CONVERT WELL TYPE	[ ] RECOMPLETE - DIFFERENT FORMATION	

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

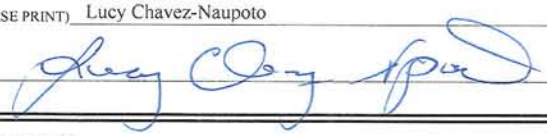
On 09/13/2010 Nathan Wiser with the EPA was contacted concerning the 5 year MIT on the above listed well. On 09/28/2010 the casing was pressured up to 1240 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 605 psig during the test. There was not an EPA representative available to witness the test.

EPA# UT20855-04477 API# 43-013-31476

RECEIVED
NOV 08 2010
DIV. OF OIL, GAS & MINING

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

NAME (PLEASE PRINT) Lucy Chavez-Naupoto TITLE Administrative Assistant

SIGNATURE  DATE 11/03/2010

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

FORM 9

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.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-66191

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)

1. TYPE OF WELL Water Injection Well

8. WELL NAME and NUMBER: BALCRON FED 12-22Y

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013314760000

3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052

PHONE NUMBER: 435 646-4825 Ext

9. FIELD and POOL or WILDCAT: MONUMENT BUTTE

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2105 FNL 0660 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 22 Township: 08.0S Range: 17.0E Meridian: S

COUNTY: DUCHESNE

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion: 8/25/2015	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: 5 YR MIT

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

5 YR MIT performed on the above listed well. On 08/25/2015 the casing was pressured up to 1126 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 314 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-04477

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
August 27, 2015

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Lucy Chavez-Naupoto	435 646-4874	Water Services Technician
SIGNATURE N/A		**DATE** 8/26/2015

RECEIVED: Aug. 26, 2015

Mechanical Integrity Test
Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: _____ Date: 8/25/15
Test conducted by: Dale Giles
Others present: _____

-04477

Well Name: Balcron Fed. 12-22S-17 Type: ER SWD Status: AC TA UC
Field: Monument Butte
Location: SW/NW Sec: 22 T 8 N (S) R 17 (E) W County: Duchesne State: UT
Operator: Newfield production Co.
Last MIT: / / Maximum Allowable Pressure: 1504 PSIG

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

Pre-test casing/tubing annulus pressure: 0 psig

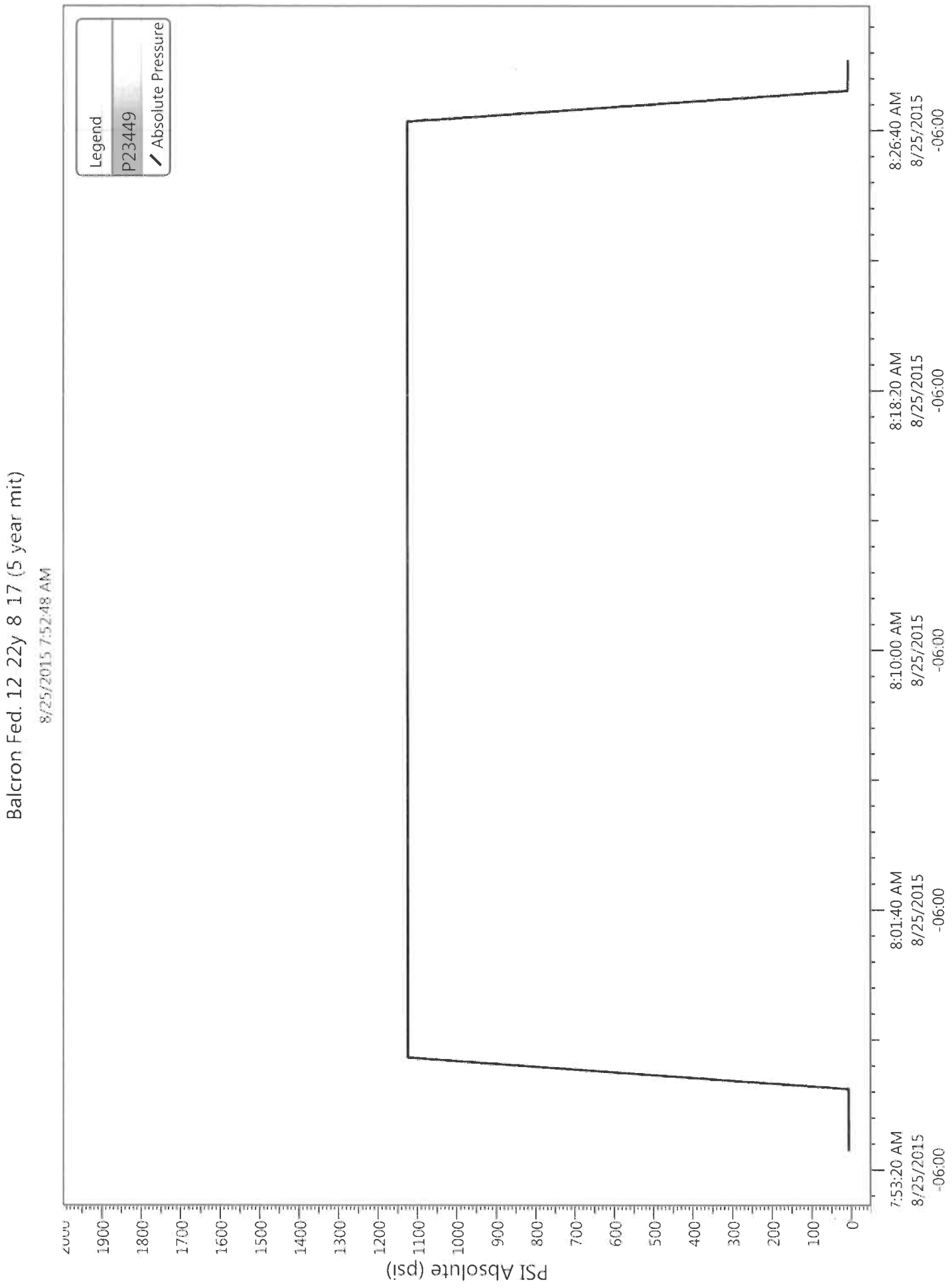
MIT DATA TABLE	Test #1		Test #2	Test #3
TUBING	*PRESSURE*			
Initial Pressure	314	psig	psig	psig
End of test pressure	314	psig	psig	psig
CASING / TUBING	*ANNULUS*		*PRESSURE*	
0 minutes	1125	psig	psig	psig
5 minutes	1127	psig	psig	psig
10 minutes	1127	psig	psig	psig
15 minutes	1126	psig	psig	psig
20 minutes	1126	psig	psig	psig
25 minutes	1126	psig	psig	psig
30 minutes	1126	psig	psig	psig
_____ minutes		psig	psig	psig
_____ minutes		psig	psig	psig
RESULT	[X] Pass	[ ] Fail	[ ] Pass [ ] Fail	[ ] Pass [ ] Fail

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

MECHANICAL INTEGRITY PRESSURE TEST

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

Signature of Witness: _____


Balcron Fed. 12 22y 8 17 (5 year mit)
8/25/2015 7:52:48 AM
Legend
P23449
Absolute Pressure
PSI Absolute (psi)
2000
1900
1800
1700
1600
1500
1400
1300
1200
1100
1000
900
800
700
600
500
400
300
200
100
0
7:53:20 AM
8/25/2015
-06:00
8:01:40 AM
8/25/2015
-06:00
8:10:00 AM
8/25/2015
-06:00
8:18:20 AM
8/25/2015
-06:00
8:26:40 AM
8/25/2015
-06:00

Balcron Fed. #12-22Y-8-17

Spud Date: 12/18/94
Put on Production: 1/26/95
Put on Injection: 12/07/2000

GL: 5197' KB: 5207'

Initial Production: 17 BOPD, NM MCFD, 0 BWPD

Injection Wellbore Diagram

SURFACE CASING

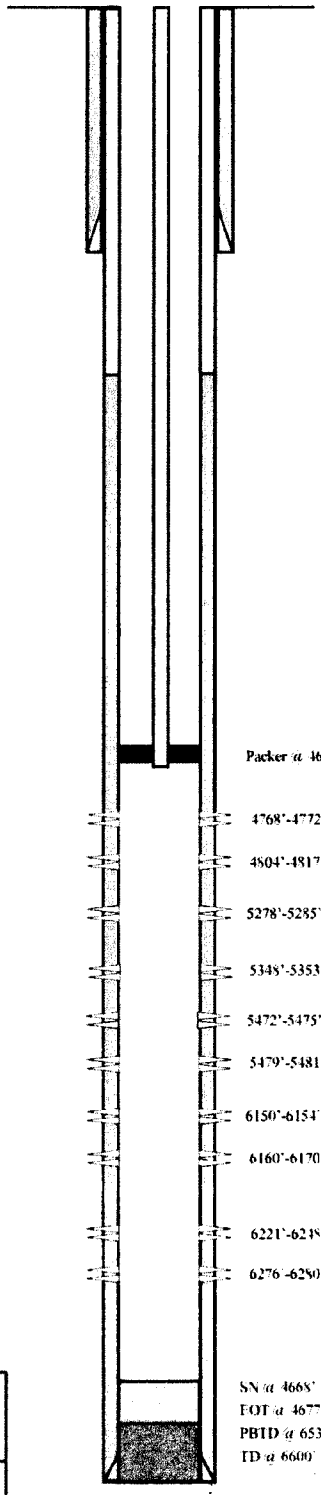
CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 8 jts (394.88')
DEPTH LANDED: 404.88' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 250 sxs Class "G" cmt, est 15 bbls cmt to surface.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 156 jts (6575.52')
DEPTH LANDED: 6584.52' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 130 sxs Super "G" & 480 sxs 50/50 POZ
CEMENT TOP AT: 2983' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 151 jts (4658.94')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 4668.94' KB
PACKER: 4673.24' KB
TOTAL STRING LENGTH: EOT @ 4677.36' KB



FRAC JOB

1/15/95	6221'-6248'	**Frac CP sand as follows:** 80,040# 20/40 sand + 87,580# 16/30 sand in 1252 bbls Viking I-35 fluid. Treated @ avg press of 1900 psi w/avg rate of 32 BPM. ISIP 2000 psi. Calc. flush: 6221 gal. Actual flush: 6216 gal.
4/26/95	5348'-5481'	**Frac zone sand as follows:** 26,920# 20/40 sand + 38,000# 16/30 sand in 473 bbls Viking I-35 fluid. Treated @ avg press of 2200 psi w/avg rate of 33 BPM. ISIP 1680 psi. Calc. flush: 5348 gal. Actual flush: 5334 gal.
5/01/95	4804'-4817'	**Frac zone sand as follows:** 80,400# 16/30 sand in 559 bbls Viking I-35 fluid. Treated @ avg press of 1800 psi w/avg rate of 30 BPM. ISIP 1900 psi. Calc. flush: 4804 gal. Actual flush: 4704 gal.
11/09/00		Break CP3 w/ 35 bbl water.
11/09/00		Break CP1 w/ 2 bbl water. Rate: 2 BPM @ 1300 psi.
11/09/00		Try to break D1 w/ 4 bbl water. Rate: 1/8 BPM @ 4500 psi. Wouldn't break.
11/09/00		Break GB4 w/ 2 bbl water. Rate: 2 BPM @ 1500 psi.
11/10/00		Pump 10 bw + 6 bbl acid + 22 bw into GB4 & D1 zones. Rate: 1/5 - 1/4 BPM.
12/07/00		Put on injection.
10/27/05		5 Year MIT Completed.

PERFORATION RECORD

1/17/95	6221'-6248'	2 JSPF	54 holes
4/26/95	5479'-5481'	1 JSPF	03 holes
4/26/95	5472'-5475'	1 JSPF	04 holes
4/26/95	5348'-5353'	1 JSPF	07 holes
4/28/95	4804'-4817'	4 JSPF	52 holes
11/09/00	6276'-6280'	4 JSPF	16 holes
11/09/00	6160'-6170'	4 JSPF	40 holes
11/09/00	6150'-6154'	4 JSPF	16 holes
11/09/00	5278'-5285'	4 JSPF	28 holes
11/09/00	4765'-4772'	4 JSPF	16 holes

NEWFIELD

Balcron Fed. #12-22y-8-17
2105' FNL & 660' FWL
SWNW Section 22-T8S-R17E
Duchesne Co, Utah
API #43-013-31476; Lease #U-66191

CD 10/27/05