



**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

December 7, 1994

-- VIA FEDERAL EXPRESS --

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

Gentlemen:

Enclosed are Applications for Permit to Drill the wells on the enclosed list. Our Production Supervisor for our Vernal District will be doing the onsites for these wells. I have talked with Dennis Ingram and he agreed that we will do the onsites for these wells at the same time as the onsite for the Balcron State #41-36Y. I have asked Dan to contact Dennis to set up a time for the onsites.

As operator, we hereby request that the status of these wells be held tight for the maximum period allowed by State regulations.

If you need additional information or have any questions, please give me at call at (406) 259-7860.

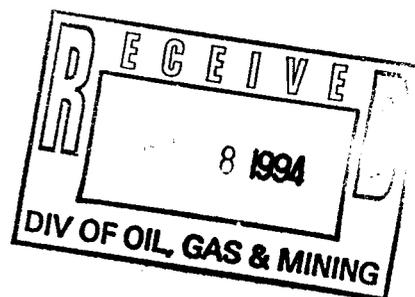
Sincerely,

Bobbie Schuman  
Regulatory and Environmental Specialist

/hs

Enclosures

cc: Dan Farnsworth



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

**CONFIDENTIAL**

5. Lease Designation and Serial Number: State #ML-45555

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

7. Unit Agreement Name: n/a

8. Farm or Lease Name: Balcron Monument State

9. Well Number: #12-2

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

11. Qtr/Qtr, Section, Township, Range, Meridian: SW NW 2, T9S, R17E

12. County: Duchesne

13. State: UTAH

14. Distance in miles and direction from nearest town or post office: Approximately 11 miles southeast of Myton, 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: 5,850'

20. Rotary or cable tools: Rotary

21. Elevations (show whether DF, FT, GR, etc.): GL 5097.14'

22. Approximate date work will start: 2-1-95

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See attached Drilling Program and Casing Design for details.				

**RECEIVED**

DEC 1994

**DIV OF OIL, GAS & MINING**

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 Drilling Program and Casing Design. Also attached are the survey plat, rig layout, BOPE diagram, cut and fill diagram, and topo maps. Drilling water source permit is also attached.

Access is on State Lands as well. If any type of right-of-way is necessary for that access, please consider this the application.

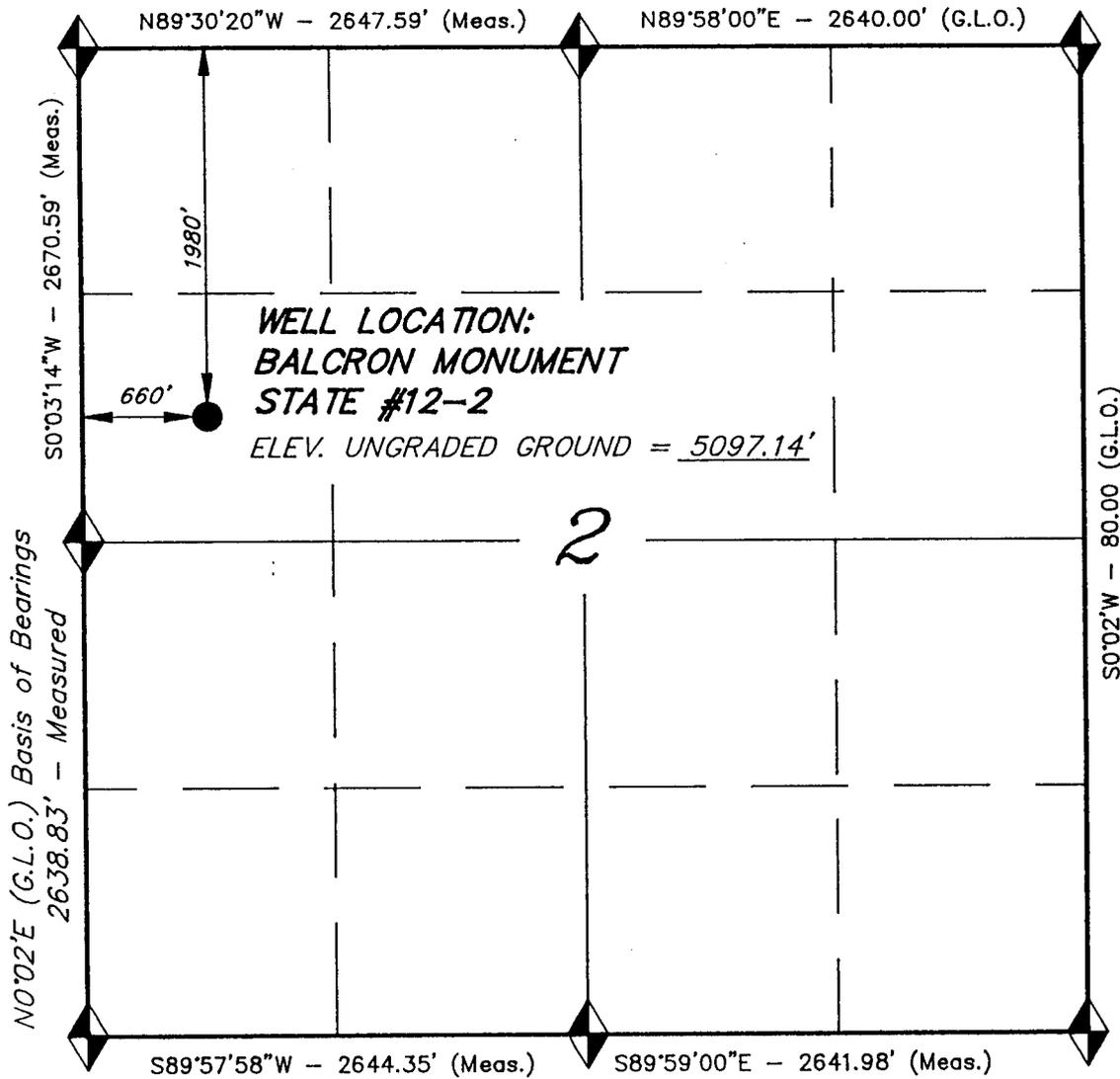
An archeological survey has been ordered and will be submitted as soon as it is received.

24. Name & Signature: Bobbie Schuman Title: Regulatory and Environmental Specialist Date: 12/7/94  
Bobbie Schuman

API Number Assigned: 43-013-31481 Approval: DATE: 12/19/94 BY: J.M. Matthews  
 WELL SPACING: 1649-3-2

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

**EQUITABLE RESOURCES ENERGY CO.**



WELL LOCATION, BALCRON MONUMENT STATE #12-2, LOCATED AS SHOWN IN THE SW 1/4 NW 1/4 OF SECTION 2, T9S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE SURVEY 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.

REGISTERED LAND SURVEYOR  
 NO. 188377  
 STACY W. STEWART  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 17805718  
 STATE OF UTAH

N0°02'E (G.L.O.) Basis of Bearings  
 2638.83' - Measured

S0°02'W - 80.00 (G.L.O.)

◆ = SECTION CORNERS LOCATED  
 BASIS OF BEARINGS; G.L.O. DATED 1909  
 BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (PARIETTE DRAW SW)

<b>TRI STATE LAND SURVEYING &amp; CONSULTING</b>	
38 EAST 100 NORTH, VERNAL, UTAH 84078 (801) 781-2501	
SCALE: 1" = 1000'	SURVEYED BY G.S. S.S.
DATE: 11-14-94	WEATHER: COOL
NOTES:	FILE #12-2

MONUMENT BUTTE DRILLING PROGRAM

1

1995 DRILLING PROGRAM (State BATCH)

---

Balcron Monument STATE #12-2  
SW NW Section 2, T9S, R17E  
Duchesne County, Utah  
1980' FNL, 660' FWL  
Field: Undesignated  
State Lease #ML-45555  
PTD: 5,850' (Green River formation)  
GL: 5097.14'

Balcron Monument STATE #13-2  
NW SW Section 2, T9S, R17E  
Duchesne County, Utah  
2210' FSL, 604' FWL  
Field: Undesignated  
State Lease #ML-45555  
PTD: 5,850' (Green River formation)  
GL: 5077.1'

Balcron Monument STATE #22-2  
SE NW Section 2, T9S, R17E  
Uintah County, Utah  
1980' FNL, 1980' FWL  
Field: Undesignated  
State Lease #ML-45555  
PTD: 5,800' (Green River formation)  
GL: 5047.36'

Balcron Monument STATE #23-2  
NE SW Section 2, T9S, R17E  
Uintah County, Utah  
1980' FSL, 1980' FWL  
Field: Undesignated  
State Lease #ML-45555  
PTD: 5,800' (Green River formation)  
GL: 5081.86'

Balcron Monument STATE #24-2  
SE SW Section 2, T9S, R17E  
Uintah County, Utah  
660' FSL, 1980' FWL  
Field: Undesignated  
State Lease #ML-45555  
PTD: 5,700' (Green River formation)  
GL: 5042.2'

MONUMENT BUTTE DRILLING PROGRAM

2

1995 DRILLING PROGRAM (State BATCH)

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Balcron Monument STATE #32-2

SW NE Section 2, T9S, R17E

Uintah County, Utah

1980' FNL, 1980' FEL

Field: Undesignated

State Lease #ML-45555

PTD: 5,850' (Green River formation)

GL: 5076.1'

Balcron Monument STATE #34-2

SW SE Section 2, T9S, R17E

Uintah County, Utah

800' FSL, 1980' FEL

Field: Undesignated

State Lease #ML-45555

PTD: 5,750' (Green River formation)

GL: 5069.43'

12/7/94

/rs

**Equitable Resources Energy Company  
Balcron Oil Division**

**DRILLING PROGRAM**

**WELL NAME:** Monument State #12-2      **PROSPECT/FIELD:** Monument Butte  
**LOCATION:** SW NW Sec.2 Twn.9S Rge.17E  
**COUNTY:** Duchesne      **STATE:** Utah

**TOTAL DEPTH:** 5850'

**HOLE SIZE      INTERVAL**

=====  
12 1/4"      Surface to 260'  
7 7/8"      260' to 5850' (TD)  
=====

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

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

**CEMENT PROGRAM**

=====  
**Surface**      150 sacks Class "G" with 2% CaCl and 1/4 lb/sack Flocele.  
(Cement will be circulated to surface.)  
  
**Production**      250 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**

<b>TYPE</b>	<b>FROM</b>	<b>TO</b>	<b>WEIGHT</b>	<b>PLAS. VIS</b>	<b>YIELD POINT</b>
Air and air mist	Surf	260	N.A.	N.A.	N.A.
Air/Air Mist/KCl Water	260	5850	8.7-8.9	N.A.	N.A.

**COMMENTS**

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

**BALCRON OIL CO.**

<b>Operator: BALCRON OIL</b>	<b>Well Name: Monument State 12-2</b>
<b>Project ID:</b>	<b>Location: Duchesne/Utah</b>

**Design Parameters:**

Mud weight ( 8.80 ppg) : 0.457 psi/ft  
 Shut in surface pressure : 2089 psi  
 Internal gradient (burst) : 0.100 psi/ft  
 Annular gradient (burst) : 0.000 psi/ft  
 Tensile load is determined using air weight  
 Service rating is "Sweet"

**Design Factors:**

Collapse : 1.125  
 Burst : 1.00  
 8 Round : 1.80 (J)  
 Buttress : 1.60 (J)  
 Body Yield : 1.50 (B)  
 Overpull : 0 lbs.

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

Prepared by : McCoskery, Billings, MT  
 Date : 12-06-1994  
 Remarks :

Minimum segment length for the 5,850 foot well is 1,500 feet.  
 The mud gradient and bottom hole pressures (for burst) are 0.457 psi/ft and 2,674 psi, respectively.

**NOTE:** The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - Collapse (with evacuated casing), 1.0 - 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)

# Balcron Oil Well Prognosis

EXHIBIT "C"

Well Name <u>BALCRON MONUMENT STATE #12-2</u>	Exploratory _____	Control Well <u>BMS #14-2</u>
Location <u>SWNW SECTION 2-T9S-R17E 1980' FNL, 660' FWL</u>	Development <u>X</u>	Operator <u>EREC</u>
County <u>DUCHESNE</u>	Field <u>MON BUTTE</u>	KB <u>5071</u>
State <u>UTAH</u>	Section <u>SWNW 2</u>	Section <u>SWSW 2</u>
Total Depth <u>5850</u>	Township <u>9S</u>	Township <u>9S</u>
GL (Ung) <u>5097.14</u>	Range <u>17E</u>	Range <u>17E</u>
EST. KB <u>5106</u>		

Formation Tops	Prognosis		Sample Top		Control Well	High/Low		Deviation
	Formation	Depth	Datum	Depth	Datum	Prog	Cntl	
UINTA	SURFACE							
GREEN RIVER	1529	3577			3687			
HORSEBENCH SS	2403	2703			2813			
2ND GARDEN GULCH	3945	1161			1271			
YELLOW MARKER	4552	554			664			
DOUGLAS CREEK	4712	394			504			
R-5 SAND (PAY)	4901	205			315			
2ND DOUGLAS CREEK	4953	153			263			
GREEN MARKER	5093	13			123			
G-5 SAND (PAY)	5211	-105			5			
BLACK SHALE FACIES	5437	-331			-221			
CARBONATE MARKER	5547	-441			-331			
B-1 SAND (PAY)	5582	-476			-366			
B-2 SAND (PAY)	5635	-529			-419			
TD	5850							

**Samples**  
50' FROM 1500' TO 4000'  
30' FROM 4000' TO TD  
5' THROUGH EXPECTED PAY  
5' THROUGH DRILLING BREAKS

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

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

**Logs**  
DLL FROM SURF CSG TO TD  
LDT/CNL FROM 3700' TO TD  
 \_\_\_\_\_  
 \_\_\_\_\_

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

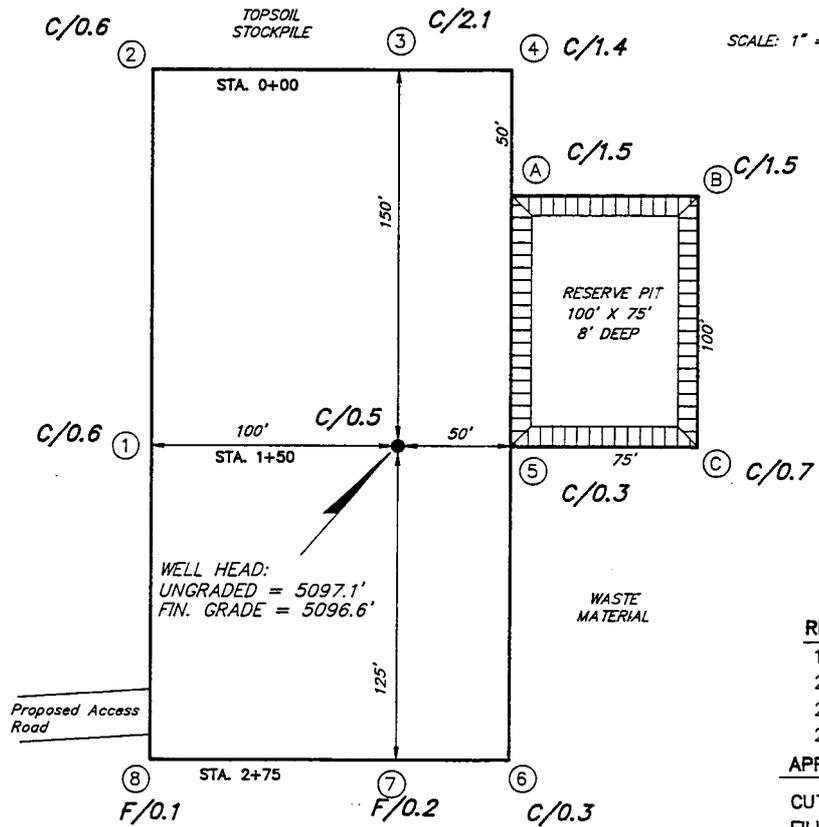
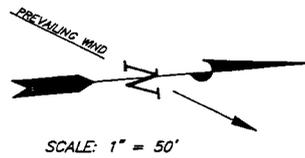
**Mud Logger/Hot Wire**  
 Company: \_\_\_\_\_  
 Required: (Yes/No) YES  
 Type: TWO MAN  
 Logger: \_\_\_\_\_  
 Phone # \_\_\_\_\_  
 Fax # \_\_\_\_\_

**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 12/1/94 Phone # \_\_\_\_\_ wk. \_\_\_\_\_ hm.

# EQUITABLE RESOURCES ENERGY CO.

BALCRON MONUMENT STATE #12-2  
SECTION 2, T9S, R17E, S.L.B.&M.

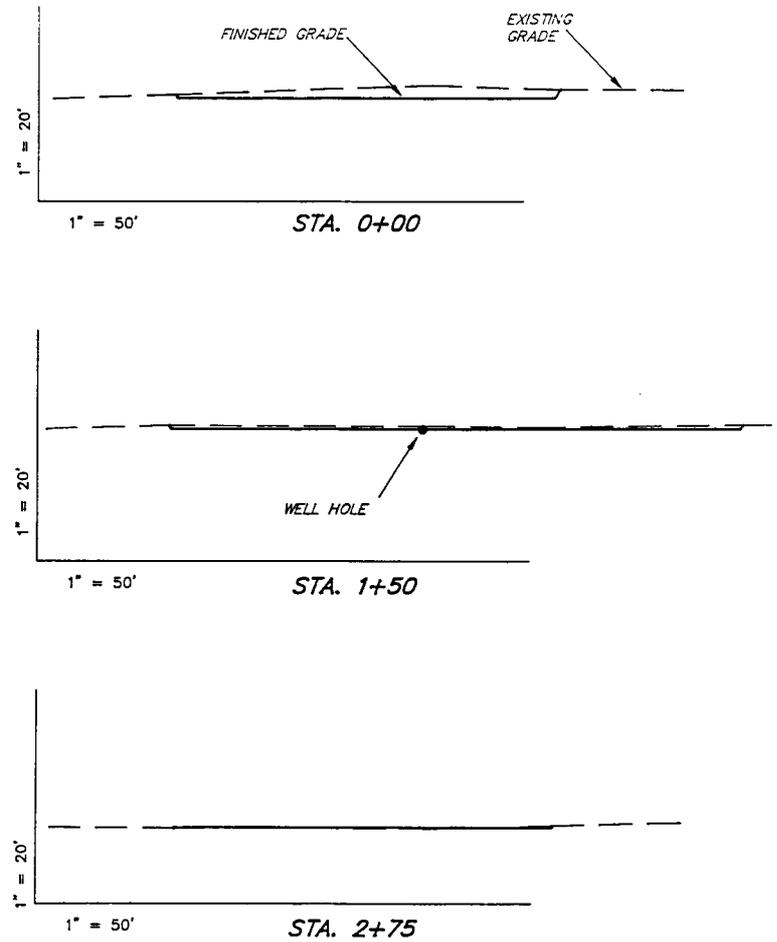


### REFERENCE POINTS

- 150' SOUTH 5096.6'
- 200' SOUTH 5096.5'
- 200' WEST 5098.5'
- 250' WEST 5098.9'

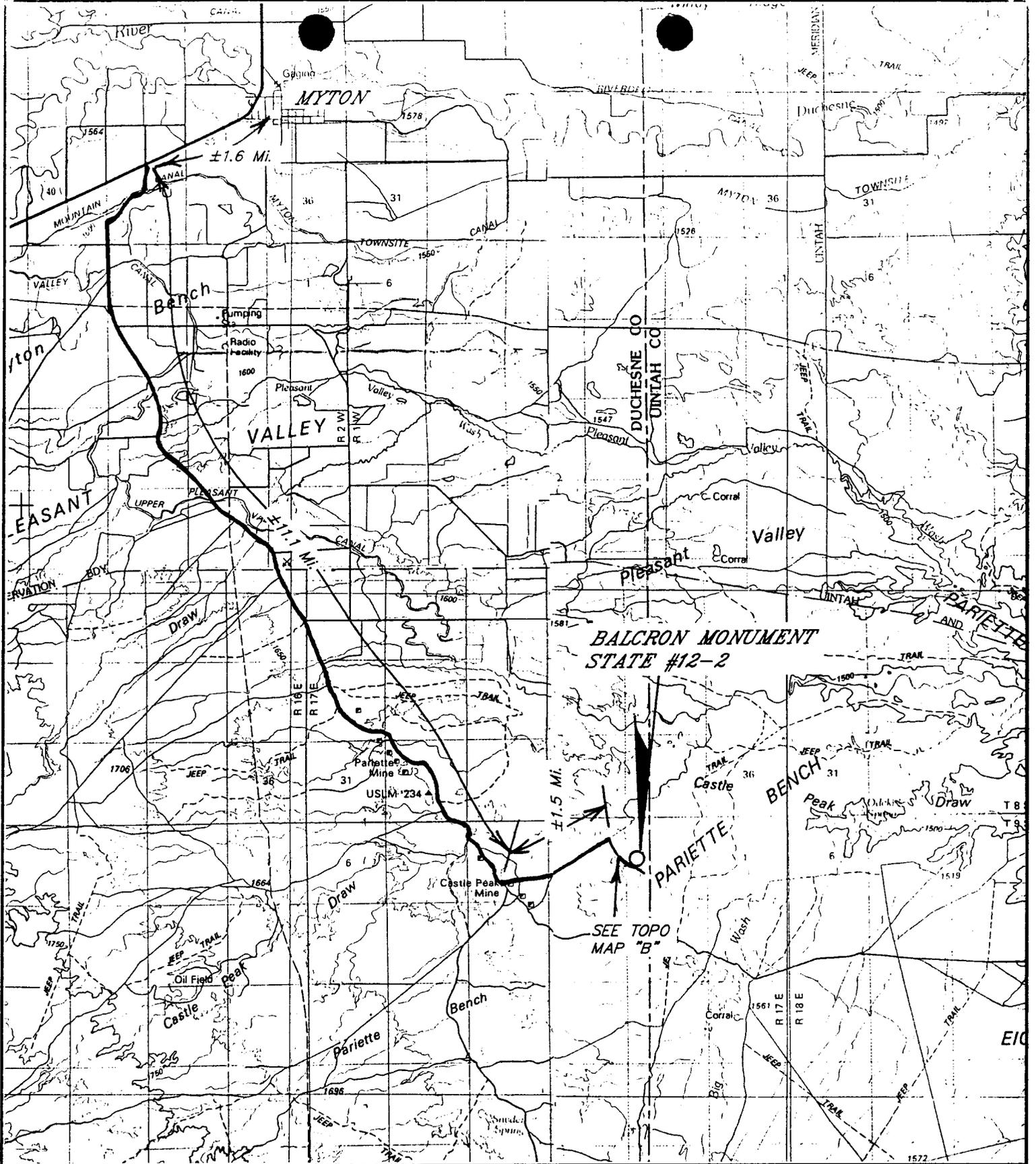
### APPROXIMATE YARDAGES

- CUT = 1250 Cu. Yds.
- FILL = 40 Cu. Yds.
- PIT = 1,940 Cu. Yds.
- 6" TOPSOIL = 900 Cu. Yds.



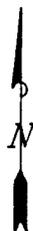
SURVEYED BY: G.S. R.H.
DRAWN BY: R.E.H.
DATE: 11-9-94
SCALE: 1" = 50'
FILE: 12-2Y

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

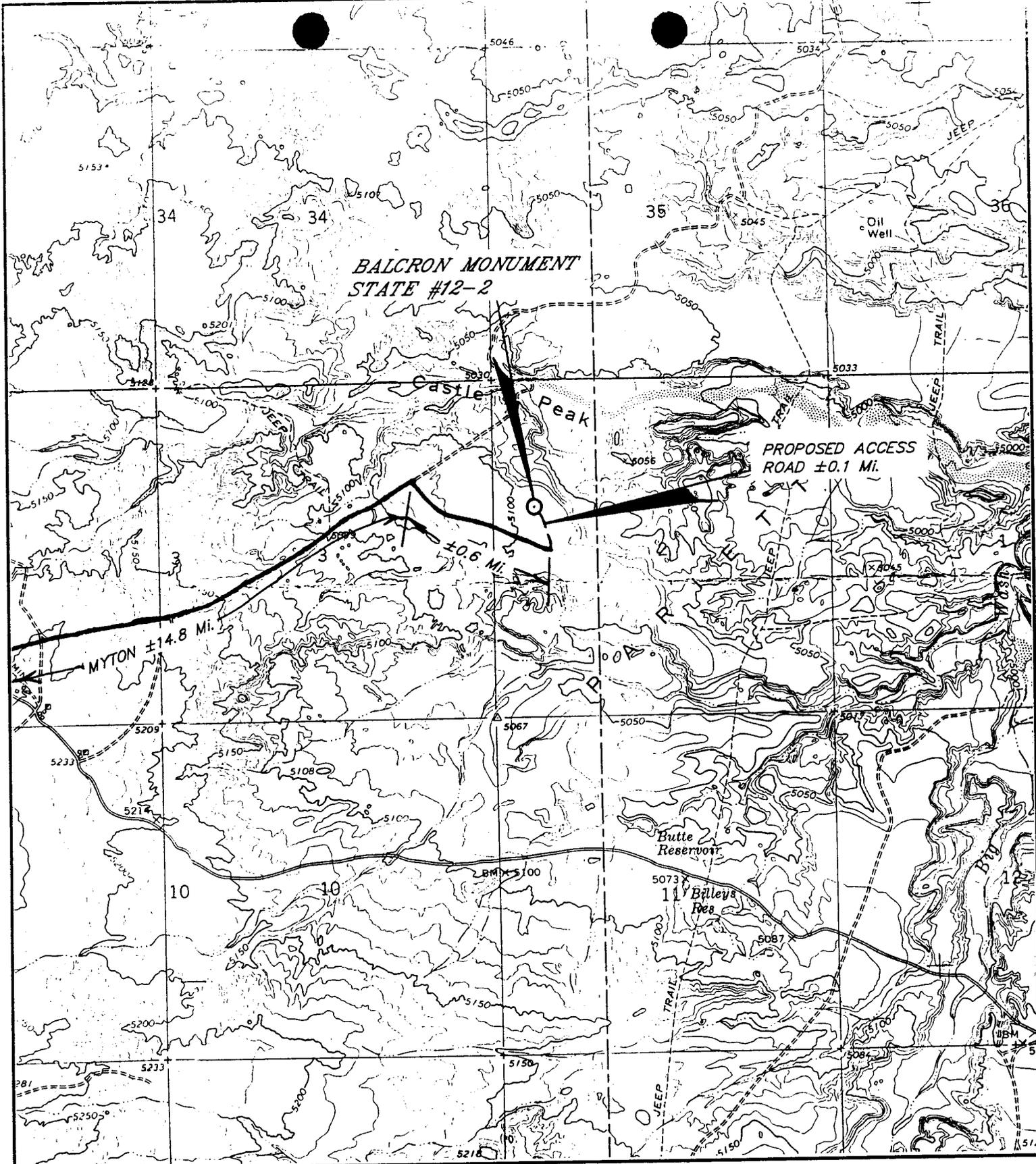


***EQUITABLE RESOURCES CO.***

*BALCRON MONUMENT STATE #12-2  
SECTION 2, T9S, R17E, S.L.B.&M.  
TOPO "A"*

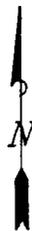


***Tri State***  
*Land Surveying, Inc.*  
 (801) 781-2501  
 38 WEST 100 NORTH VERNAL, UTAH 84078



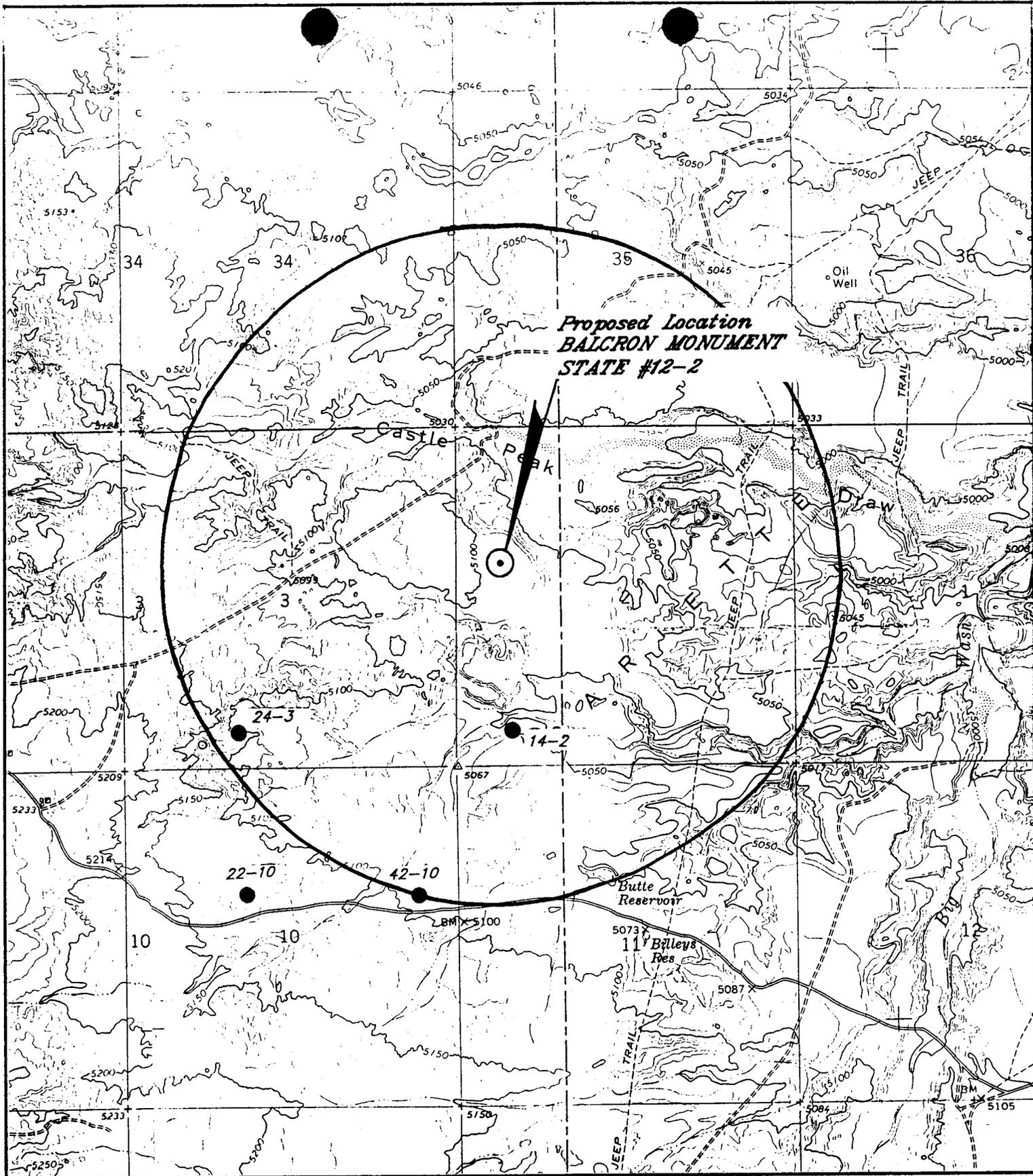
***EQUITABLE RESOURCES CO.***

**BALCRON MONUMENT STATE #12-2  
SECTION 2, T9S, R17E, S.L.B.&M.  
TOPO "B"**



SCALE: 1" = 2000'

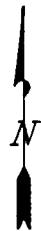
***Tri State***  
Land Surveying, Inc.  
(801) 781-2501  
38 WEST 100 NORTH VERNAL, UTAH 84078



*Proposed Location  
BALCRON MONUMENT  
STATE #12-2*

***EQUITABLE RESOURCES ENERGY CO.***

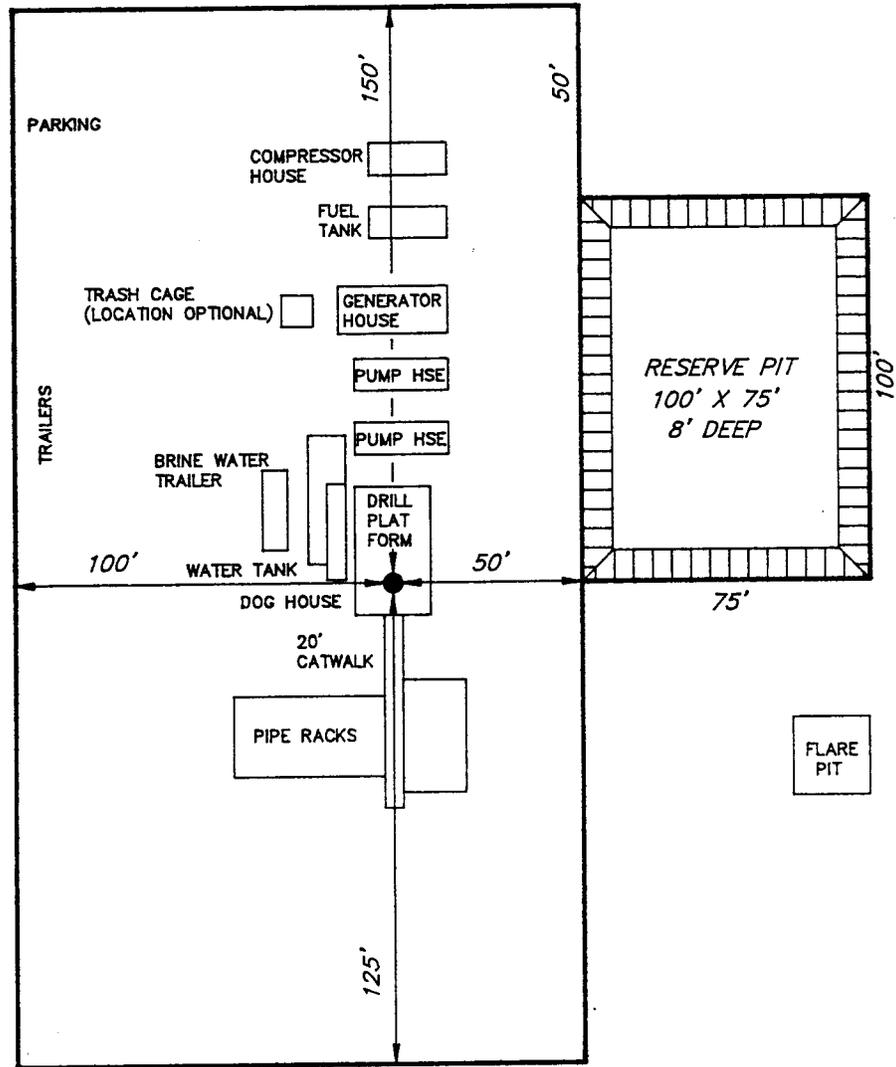
*BALCRON MONUMENT STATE #12-2  
SECTION 2, T9S, R17E, S.L.B.&M.  
TOPO "C"*



SCALE: 1" = 2000'

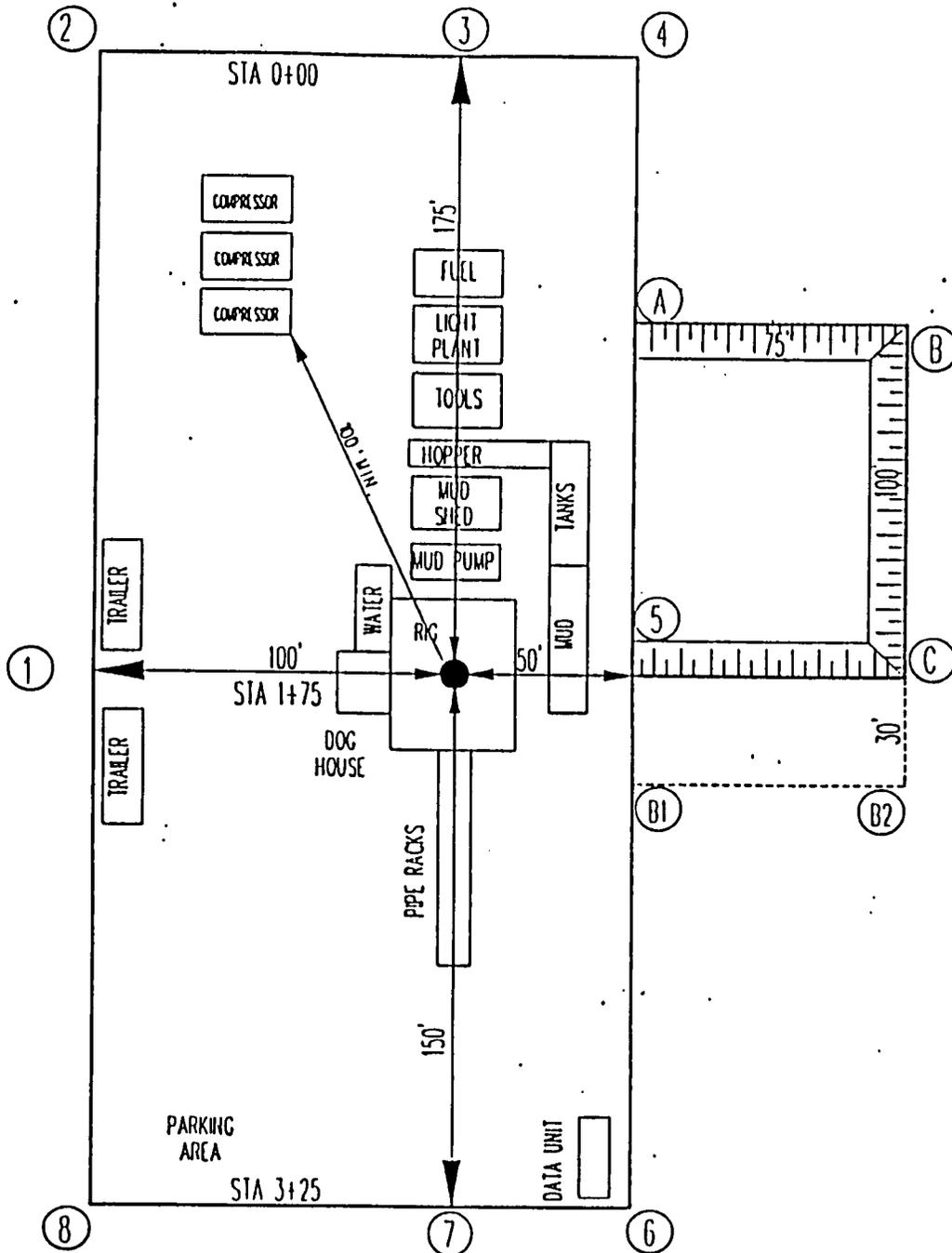
***Tri State***  
*Land Surveying, Inc.*  
(801) 781-2501  
38 WEST 100 NORTH VERNAL, UTAH 84078

*PLAT #2*  
*RIG LAYOUT*  
*BALCRON MONUMENT STATE 12-2*



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

# EQUITABLE RESOURCES ENERGY CO. WELLSITE LAYOUT



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

UNION DRILLING RIG #17

Hex Kelly

ROTATING HEAD

ADJ. CHOKE

AIR BOWL

7" FLOWLINE

#3000  
BLIND RAM-PIPE RAM

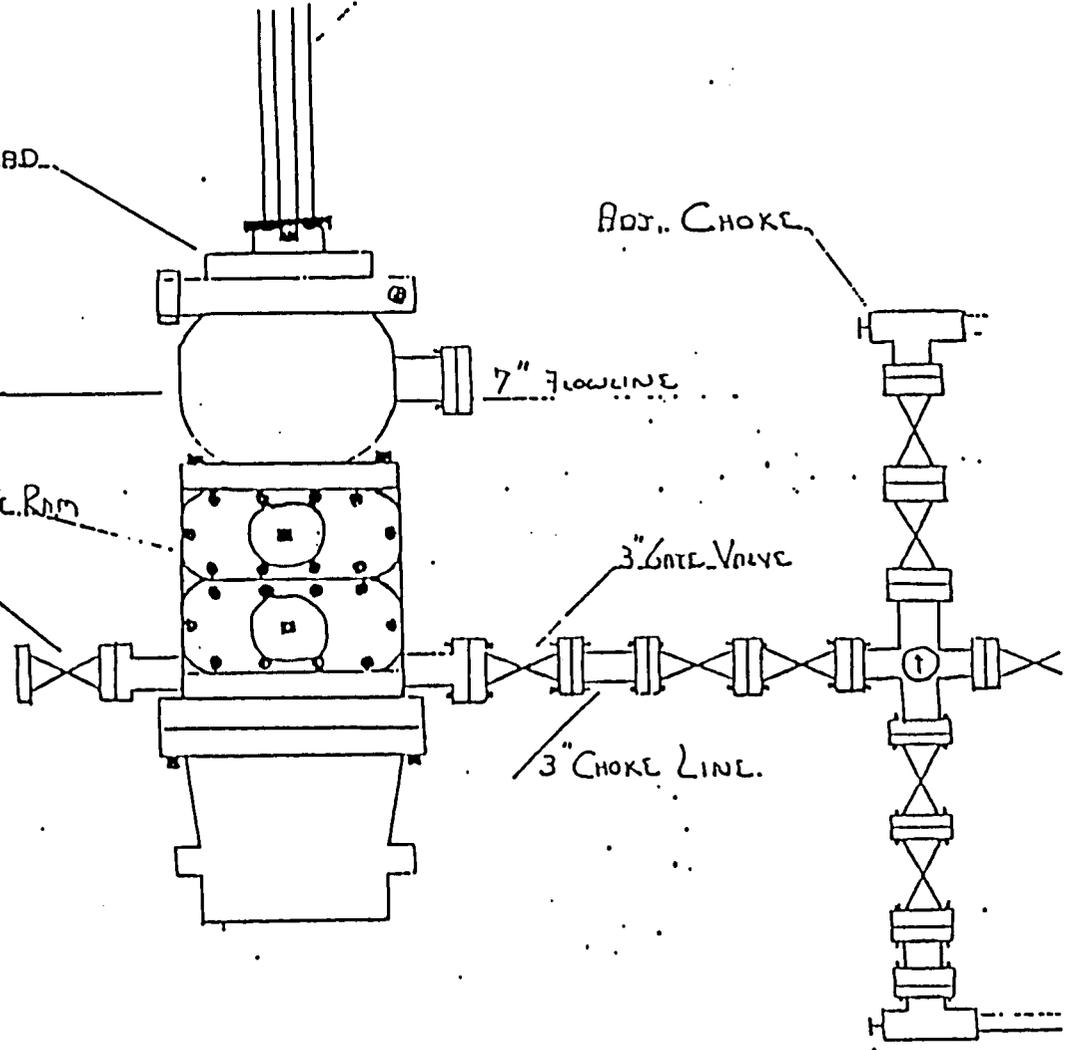
3" GATE VALVE

3" GATE VALVE

3" CHOKE LINE

ADJ. CHOKE

#3000 STACK



APPLICATION TO APPROPRIATE WATER  
STATE OF UTAH

47-1674

NOTE:—The information given in the following blanks should be free from explanatory matter, but when necessary, a complete supplementary statement should be made on the following page under the heading "Explanatory."

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, for uses indicated by (X) in the proper box or boxes, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

1. Irrigation  Domestic  Stockwatering  Municipal  Power  Mining  Other Uses

2. The name of the applicant is Joe Shields

3. The Post Office address of the applicant is Myton, Utah 84052

4. The quantity of water to be appropriated .015 second-feet and/or \_\_\_\_\_ acre-feet

5. The water is to be used for Stockwatering & Other from \_\_\_\_\_ to \_\_\_\_\_  
(Major Purpose) (Month) (Day) (Month) (Day)

other use period Irrigation from Apr. 1 to Oct. 31  
(Minor Purpose) (Month) (Day) (Month) (Day)

and stored each year (if stored) from \_\_\_\_\_ to \_\_\_\_\_  
(Month) (Day) (Month) (Day)

6. The drainage area to which the direct source of supply belongs is \_\_\_\_\_  
(Leave Blank)

7. The direct source of supply is\* Drain  
(Name of stream or other source)

which is tributary to \_\_\_\_\_, tributary to \_\_\_\_\_

\*Note.—Where water is to be diverted from a well, a tunnel, or drain, the source should be designated as "Underground Water" in the first space and the remaining spaces should be left blank. If the source is a stream, a spring, a spring area, or a drain, so indicate in the first space, giving its name, if named, and in the remaining spaces, designate the stream channels to which it is tributary, even though the water may sink, evaporate, or be diverted before reaching said channels. If water from a spring flows in a natural surface channel before being diverted, the direct source should be designated as a stream and not a spring.

8. The point of diversion from the source is in Duchesne County, situated at a point\*  
West 900 ft. South 1100ft. from E 1/2 Cor. Sec. 15, T4S, R2W, USB&M  
(3 1/4 Miles SW of Myton)

\*Note.—The point of diversion must be located definitely by course and distance or by giving the distances north or south, and east or west with reference to a United States land survey corner or United States mineral monument, if within a distance of six miles of either, or if at a greater distance, to some prominent and permanent natural object. No application will be received for filing in which the point of diversion is not defined definitely.

9. The diverting and carrying works will consist of a collection ditch to place of use

10. If water is to be stored, give capacity of reservoir in acre-feet \_\_\_\_\_ height of dam \_\_\_\_\_  
area inundated in acres \_\_\_\_\_ legal subdivision of area inundated \_\_\_\_\_

11. If application is for irrigation purposes, the legal subdivisions of the area irrigated are as follows:  
NE 1/4 SE 1/4 Sec. 15, T4S, R2W, USB&M

Total .25 Acres

12. Is the land owned by the applicant? Yes  No \_\_\_\_\_ If "No," explain on page 2.

13. Is this water to be used supplementally with other water rights? Yes \_\_\_\_\_ No   
If "yes," identify other water rights on page 2.

14. If application is for power purposes, describe type of plant, size and rated capacity. \_\_\_\_\_

15. If application is for mining, the water will be used in \_\_\_\_\_ Mining District at  
the \_\_\_\_\_ mine, where the following ores are mined \_\_\_\_\_

16. If application is for stockwatering purposes, number and kind of stock watered 320 Cattle  
in NE 1/4 SE 1/4 Sec. 15, T4S, R2W, USB&M

17. If application is for domestic purposes, number of persons \_\_\_\_\_, or families \_\_\_\_\_

18. If application is for municipal purposes, name of municipality \_\_\_\_\_

19. If application is for other uses, include general description of proposed uses Oil Field use

20. Give place of use by legal subdivision of the United States Land Survey for all uses described in paragraphs 14 to 19, incl. Myton Oil Field in Pleasant Valley

21. The use of water as set forth in this application will consume .015 second-feet and/or acre-feet of water and None second feet and/ or acre feet will be returned to the natural stream or source at a point described as follows: \_\_\_\_\_

EXPLANATORY

The following additional facts are set forth in order to define more clearly the full purpose of the proposed application:

Lined area for providing additional facts.

(Use page 4 if additional explanatory is needed.)

The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purpose hereby described.

Signature of Applicant

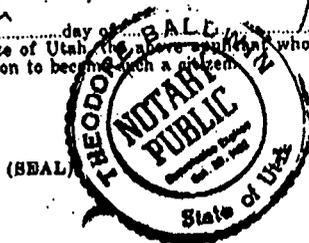
\*If applicant is a corporation or other organization, signature must be the name of such corporation or organization by its proper officer, or in the name of the partnership by one of the partners, and the names of the other partners shall be listed. If a corporation or partnership, the affidavit below need not be filled in. If there is more than one applicant, a power of attorney, authorizing one to act for all, should accompany the Application.

DECLARATION OF CITIZENSHIP

STATE OF UTAH, Uintah } ss  
County of

On the 10th day of May 19 22, personally appeared before me, a notary public for the State of Utah, Theodore Baldwin, who, on oath, declared that he is a citizen of the United States, or has declared his intention to become such a citizen.

My commission expires:



Theodore Baldwin  
Notary Public

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 12/08/94

API NO. ASSIGNED: 43-013-31481

WELL NAME: BALCRON MONUMENT STATE 12-2  
OPERATOR: EQUITABLE RESOURCES (N9890)

PROPOSED LOCATION:  
SWNW 02 - T09S - R17E  
SURFACE: 1980-FNL-0660-FWL  
BOTTOM: 1980-FNL-0660-FWL  
DUCHESNE COUNTY  
MONUMENT BUTTE FIELD (105)

INSPECT LOCATION BY: 01/05/95

TECH REVIEW	Initials	Date
Engineering	JMA	12/19/94
Geology	DJ	12/29/94
Surface	DH	12/13/94

LEASE TYPE: STA  
LEASE NUMBER: ML-45555

PROPOSED PRODUCING FORMATION: GRRV

RECEIVED AND/OR REVIEWED:

Plat

Bond: Federal[] State[] Fee[]  
(Number 0576)

Potash (Y/N)

Oil shale (Y/N)

Water permit  
(Number 47-1674)

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

LOCATION AND SITING:

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

R649-3-2. General.

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

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

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

CONFIDENTIAL  
PERIOD  
EXPIRED  
MAY 5-13-96

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

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

12-2

13-2

22-2  
24-2

32-2

23-2

34-2

EQUITABLE RESOURCES ENERGY  
BALCRON OIL DIVISION  
BALCRON MONUMENT STATE  
MONUMENT BUTTE DUCHESNE COUNTY  
EIGHTMILE FLAT UINTAH COUNTY  
SEC. 2, T 9S, R17E NO SPACING

EQUITABLE RESOURCES ENERGY  
BALCRON OIL DIVISION  
BALCRON MONUMENT STATE  
EIGHTMILE FLAT UINTAH COUNTY  
SEC. 19 & 20, T9S, R18E NO SPACING

31-19Y

32-19Y

42-19Y

12-20Y



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

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

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

December 19, 1994

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

Re: Balcron Monument State #12-2 Well, 1980' FNL, 660' FWL, SW NW, Sec. 2, T. 9 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. 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.
6. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.



Page 2

Equitable Resources Energy Company  
Balcron Monument State #12-2 Well  
December 19, 1994

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 43-013-31481.

Sincerely,



R.J. Firth  
Associate Director

ldc

Enclosures

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

WOI1

BALCRON OIL

Monument State #12-2

43-013-31481

SW NW Section 2 , T9S, R17E, SLB&M

*Buchanan*  
~~Uintah~~ County, Utah  
SWNW

PALEONTOLOGY REPORT

WELLPAD LOCATION AND ACCESS ROAD

**CONFIDENTIAL**

BY

ALDEN H. HAMBLIN  
PALEONTOLOGIST  
235 EAST MAIN  
VERNAL, UTAH 84078

December 28, 1994

RESULTS OF PALEONTOLOGY SURVEY AT BALCRON MONUMENT STATE #12-2, SW NW Section 2, T9S, R17E, SLB&M, UINTAH COUNTY, UTAH.

**Description of Geology and Topography-**

This well location is 9 miles south and 4.5 miles east of Myton, Utah. The road is .1 mile long and it and the wellpad are on a fairly flat bench. The surface sediments are composed of sand and small rock fragments. No rock outcrops were noted during the survey.

All rock outcrops in the general area are of the Upper Eocene Uinta Formation, known for its fossil vertebrate fauna of mammals, turtles, crocodilians, and occasional fish remains and plant impressions.

**Paleontological material found -**

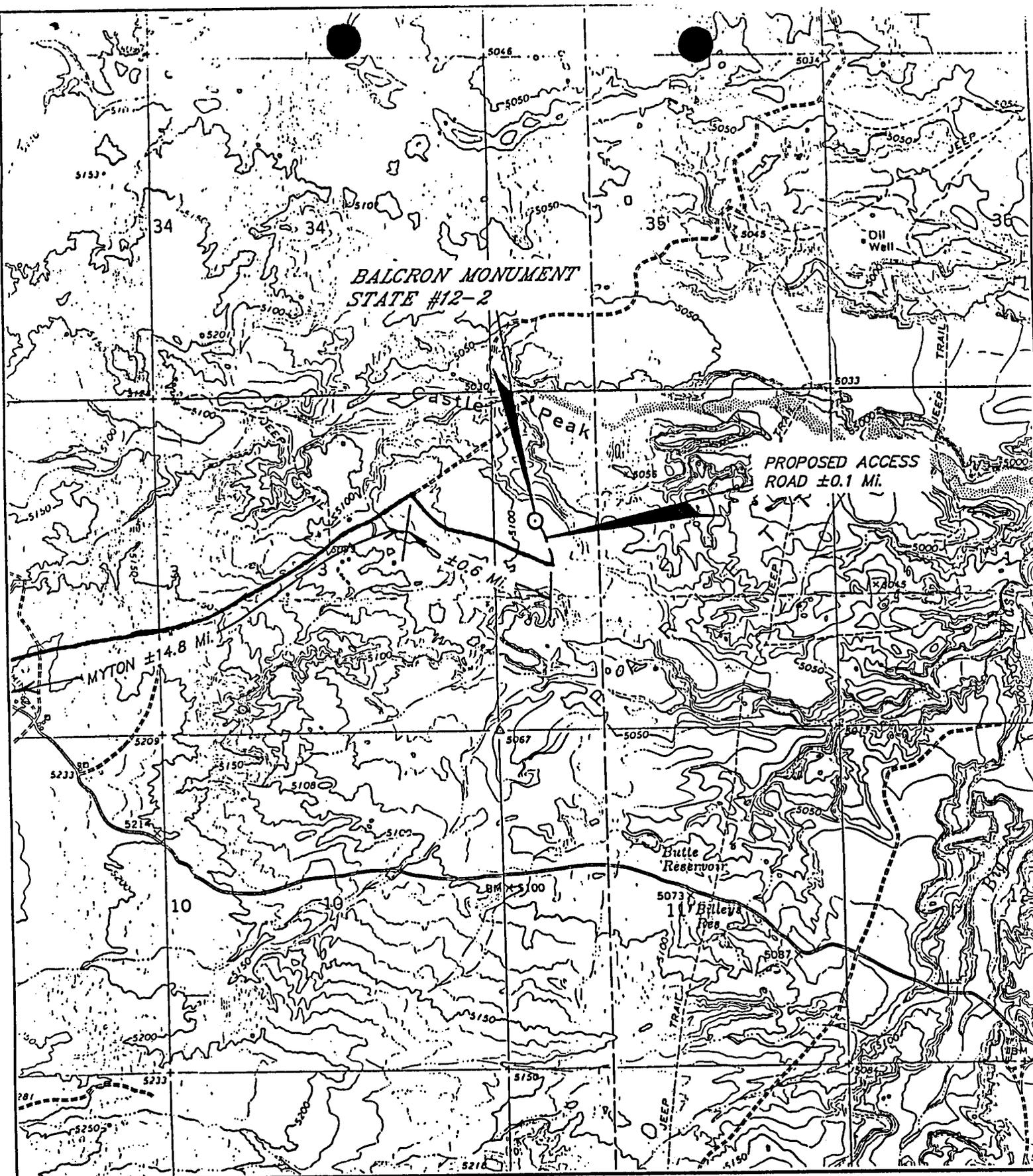
No fossils were found during the survey.

**Recommendations-**

No recommendations are made for this access road or wellpad.

Alvin A. Hamblin  
Paleontologist

Date December 29, 1974



***EQUITABLE RESOURCES CO.***

**BALCRON MONUMENT STATE #12-2  
SECTION 2, T9S, R17E, S.L.B.&M.  
TOPO "B"**



SCALE: 1" = 2000'

***Tri State***  
*Land Surveying, Inc.*  
 (801) 781-2501

38 WEST 100 NORTH VERNAL, UTAH 84078

## ABSTRACT

An intensive cultural resource evaluation has been conducted for Balcron Oil Company of nine proposed well locations and access routes (Balcron Federal wells #12-20Y, 31-19Y, 32-19Y, 42-19Y; Balcron Monument State wells #13-2, #12-2, #22-2, #34-2 and #23-2). These evaluated locations are situated on Utah State and federally administered lands located in the Pariette Bench locality of Duchesne and Uintah Counties, Utah. This evaluation involved a total of 99.23 acres, of which 75 acres are associated with the well pads and an additional 24.23 acres are associated with seven access road rights-of-way. These evaluations were conducted by F.R. Hauck and Glade Hadden of AERC on December 6 and 12, 1994.

No previously recorded significant or National Register eligible cultural resources will be adversely affected by the proposed developments.

No newly identified cultural resource activity loci of either historic or prehistoric origin were discovered and recorded during the examinations.

Several isolated, non-diagnostic artifacts were noted during the investigations.

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

**CULTURAL RESOURCE EVALUATION  
OF PROPOSED WELL LOCATIONS AND ACCESS ROUTES  
IN THE CASTLE PEAK DRAW AND  
EIGHT MILE FLAT LOCALITIES  
OF DUCHESNE & UINTAH COUNTIES, UTAH**

Report Prepared for Balcron Oil Company

Dept. of Interior Permit No.: UT-94-54937  
AERC Project 1460 (BLCR-94-10)

Utah State Project No.: UT-94-AF-746 b,s

Principal Investigator  
F. Richard Hauck, Ph.D.

Authors of the Report  
F. Richard Hauck & Glade V Hadden



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

181 North 200 West, Suite 5  
P.O. Box 853  
Bountiful, Utah 84011-0853

December 30, 1994

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## GENERAL INFORMATION

On December 6 and 12, 1994, AERC archaeologists F.R. Hauck and Glade Hadden conducted an intensive cultural resource evaluation for Balcron Oil Company of Billings Montana. This examination involved nine proposed well locations (Balcron Federal Units 12-20Y, 31-19Y, 32-19Y and 42-19Y; Balcron Monument State Units 13-2, 12-2, 22-2, 34-2 and 23-2) and associated access roads. The project area is in the, Castle Peak Draw and Eight Mile Flat locality south east of Myton, Utah (see Map 1). A total of 99.23 acres was examined which include 55.75 acres associated with the Federal well pads and access routes situated on federal lands administered by the Vernal District of the Bureau of Land Management, Diamond Mountain Resource Area, Vernal, Utah. An additional 43.48 acres are associated with the State well pads and access routes situated in a State Section administered by the Utah Division of State Lands and Forestry.

The purpose of the field study and this report is to identify and document cultural site presence and assess National Register potential significance relative to established criteria (cf., Title 36 CFR 60.6). The proposed development of these well locations and associated access routes requires an archaeological evaluation in compliance with U.C.A. 9-8-404, the Federal Antiquities Act of 1906, the Reservoir Salvage Act of 1960-as amended by P.L. 93-291, Section 106 of the National Historic Preservation Act of 1966-as amended, the National Environmental Policy Act of 1969, the Federal Land Policy and Management Act of 1979, the Archaeological Resources Protection Act of 1979, the Native American Religious Freedom Act of 1978, the Historic Preservation Act of 1980, and Executive Order 11593.

In addition to documenting cultural identity and significance, mitigation recommendations relative to the preservation of cultural data and materials can be directed to the Bureau of Land Management, Vernal District Office and to the State Antiquities Section.

### Project Location

The project location is in the Castle Peak Draw locality of Duchesne and Uintah Counties, Utah, and the Eight Mile Flat locality of Uintah County. All of the evaluated wells and access routes are situated on the Pariette Draw SW 7.5 minute topographic quad (see Maps).

Balcron Federal #12-20Y is situated in the SW quarter of the NW quarter of Section 20, Township 9 South, Range 18 East SLBM, together with ca. 0.4 miles of access route (see Map 2).

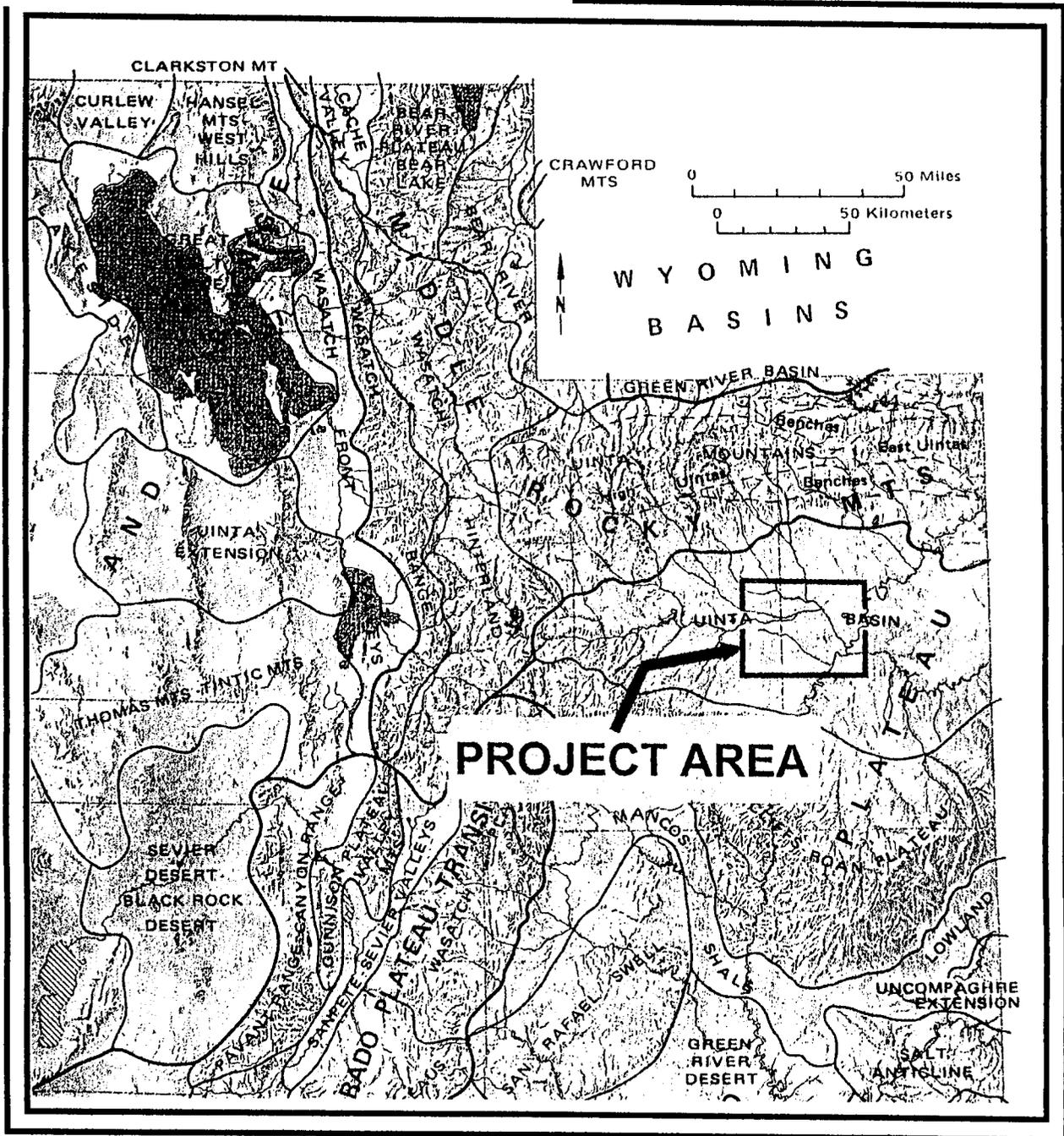
Balcron Federal #31-19Y is situated in the NW quarter of the NE quarter of Section 19, Township 9 South, Range 18 East SLBM, together with ca. 0.3 miles of access route (see Map 2).

Balcron Federal #32-19Y is situated in the SW quarter of the NE quarter of Section 19, Township 9 South, Range 18 East SLBM, together with ca. 0.3 miles of access route (see Map 2).

**MAP 1: GENERAL BALCRON PROJECT  
LOCALITY IN DUCHESNE AND UINTAH  
COUNTIES OF NORTHWESTERN UTAH**



**PROJECT: BLCR-94-10**  
**SCALE: see below**  
**QUAD: UG & MS Map 43**  
**DATE: 12-30-94**



**T. multiple**  
**R. multiple**

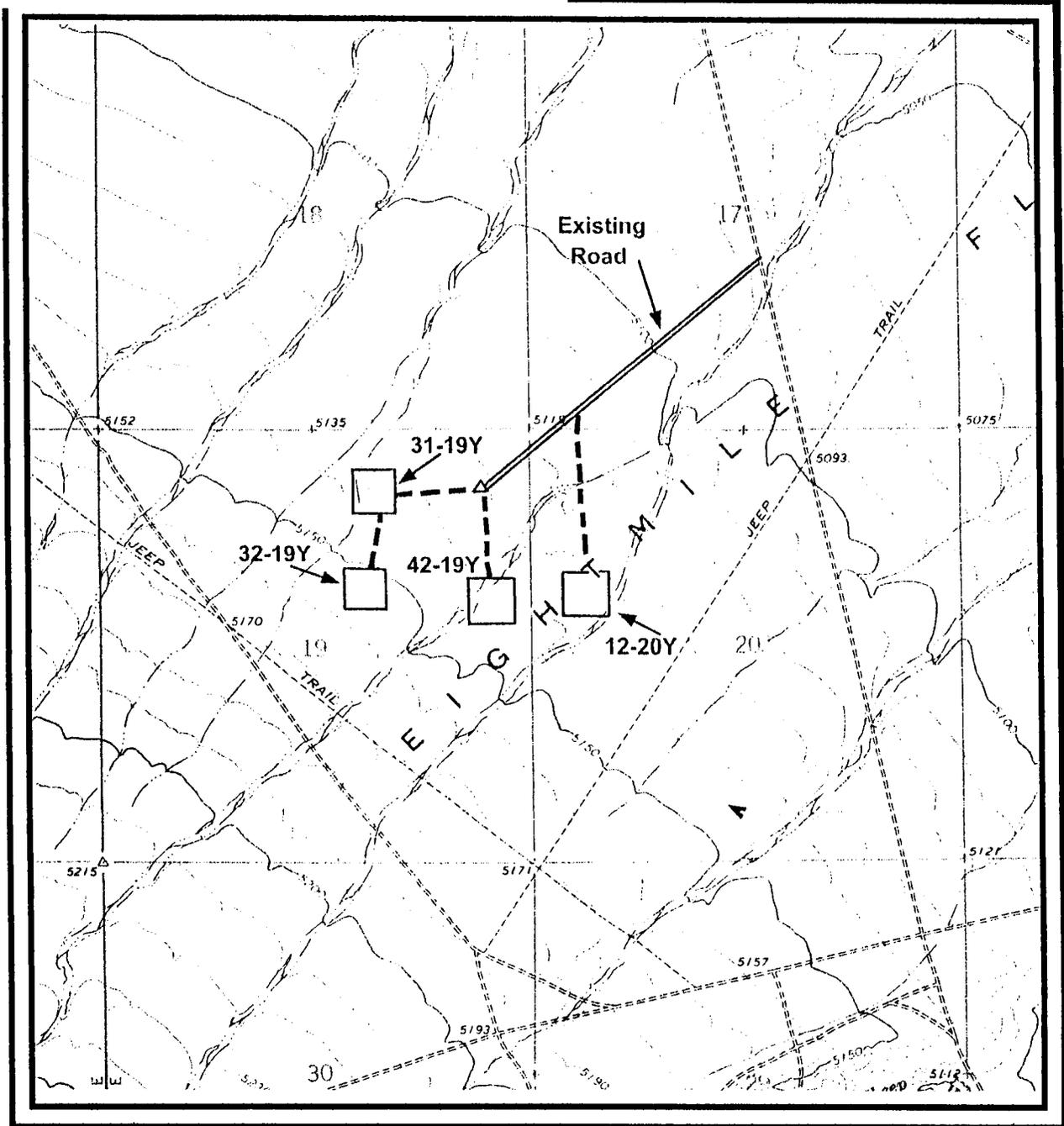
**(After PHYSIOGRAPHIC SUBDIVISIONS  
OF UTAH by W.L. Stokes)**

**UTAH**

**Meridian: Salt Lake B & M**

**MAP 2: CULTURAL RESOURCE SURVEY  
OF BALCRON UNITS 12-20Y, 31-19Y,  
32-19Y, & 42-19Y IN THE EIGHT MILE  
FLAT LOCALITY OF UINTAH COUNTY,  
UTAH**

**PROJECT: BLCR - 94 - 10**  
**SCALE: 1: 24,000**  
**QUAD: Pariette Draw SW, Utah**  
**DATE: 12 - 30 - 94**



**LEGEND:**



**UTAH**

**T. 9 South**

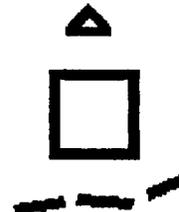
**R. 18 East**

**Meridian: Salt Lake B & M**

**Well Location**

**Ten Acre Survey  
Plot**

**Access Route**



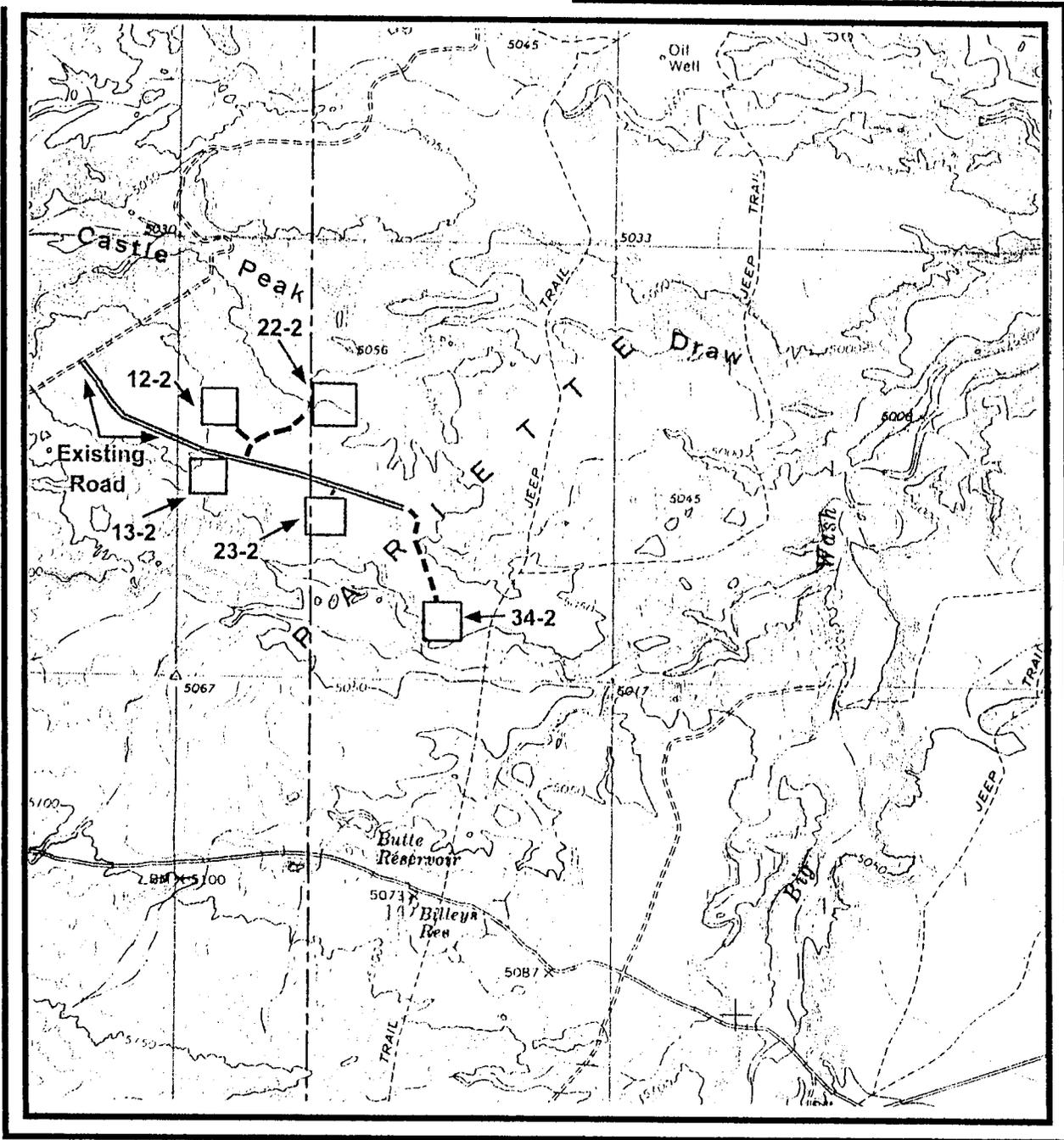
**MAP 3: CULTURAL RESOURCE SURVEY  
OF BALCRON UNITS 12-2, 13-2, 22-2,  
23-2, & 34-2 IN THE CASTLE PEAK  
DRAW LOCALITY OF DUCHESNE AND  
UINTAH COUNTIES, UTAH**

**PROJECT: BLCR-94 - 10**

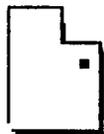
**SCALE: 1:24,000**

**QUAD: Pariette Draw SW, Utah**

**DATE: 12 - 30 - 94**



**LEGEND:**



**UTAH**

**T. 9 South**

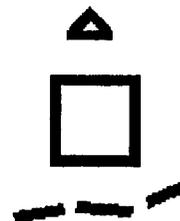
**R. 17 East**

**Meridian: Salt Lake B & M**

**Well Location**

**Survey Plot**

**Access Route**



Balcron Federal #42-19Y is situated in the SE quarter of the NE quarter of Section 19, Township 9 South, Range 18 East SLBM, together with ca. 0.3 miles of access route (see Map 2).

Balcron Monument State Unit # 13-2 is situated in the NW quarter of the SW quarter of Section 2, Township 9 South, Range 17 East SLBM (see Map 3).

Balcron Monument State Unit # 12-2 is situated in the SW quarter of the NW quarter of Section 2, Township 9 South, Range 17 East SLBM, together with .1 miles of access route (see Map 3).

Balcron Monument State Unit # 22-2 is situated in the SE quarter of the NW quarter of Section 2, Township 9 South, Range 17 East SLBM, together with .3 miles of access route (see Map 3).

Balcron Monument State Unit # 34-2 is situated in the SW quarter of the SE quarter of Section 2, Township 9 South, Range 17 East SLBM, together with .3 miles of access route (see Map 3).

Balcron Monument State Unit # 23-2 is situated in the NE quarter of the SW quarter of Section 2, Township 9 South, Range 17 East SLBM (see Map 3).

#### Environmental Description

The project area is within the 5000 to 5200 foot elevation zone above sea level. Open rangeland terrain and eroded Eocene lakebed surfaces are associated with the project localities.

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

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

#### PREVIOUS RESEARCH IN THE LOCALITY

##### File Search

A records search of the site files and maps at the Antiquities Section of the State Historic Preservation Office in Salt Lake City was conducted on December 19, 1994. A similar search was conducted in the Vernal District Office of the BLM on December 12, 1994. The National Register of Historic Places has been consulted and no registered historic or prehistoric properties will be affected by the proposed developments.

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

### Prehistory and History of the Cultural Region

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

### Site Potential in the Project Development Zone

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

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

## FIELD EVALUATIONS

### Methodology

Intensive evaluations consisted of the archaeologists walking a series of 10 to 20 meter-wide transects across a 10 acre area associated with each ten acre well pad area on Federal lands, and with a seven acre well pad buffer zone on State lands. Access routes are evaluated by the archaeologists walking a pair of 10 to 15 meter-wide transects on either side of the flagged access route rights of way. Thus, a 30 meter-wide or 100 foot-wide corridor (ca. 24.23 acres) was examined for the various proposed access roads, in addition to the 75 acres inventoried on the well pads.

Observation of cultural materials results in intensive examinations to determine the nature of the resource (isolate or activity locus). The analysis of each specific cultural site results in its subsequently being sketched, photographed, and appropriately recorded on standard IMACS forms. Cultural sites are then evaluated for significance utilizing the standards described below and mitigation recommendations are considered as a means of preserving significant resources which may be situated within the development zone.

### Site Significance Criteria

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

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

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

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

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

## Results of the Inventory

No prehistoric or historic cultural resource activity loci were observed and recorded during the archaeological evaluations.

No previously identified and recorded significant or National Register sites were noted or recorded during the survey.

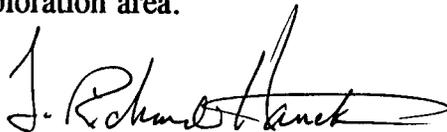
No diagnostic isolated artifacts were observed and recorded during the evaluation. Two non-diagnostic tools were noted in the area of Monument State well 23-2 and one on the access route into Monument State well 34-2. These tools were all simple choppers constructed by bifacially removing several flakes from one end of a hand-sized cobble. In all three cases, the tools were found near the break of hills at the emergence of drainages. The occurrence of these tools fits a previously noted pattern, and may be related to the ambush hunting and subsequent butchering of large game animals, possibly during the Archaic period. A detailed evaluation of the locality failed to yield any identifiable features or cultural contexts that would demonstrate the presence of an archaeological locus.

## CONCLUSION AND RECOMMENDATIONS

No known significant cultural resources will be adversely impacted during the development and operation of the Balcron Well Units as evaluated during this AERC project.

AERC recommends that a cultural resource clearance be granted to Balcron Oil Company relative to the development of these proposed drilling locations and the associated access routes based upon adherence to the following stipulations:

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



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

## REFERENCES

Fike, Richard E. and H. Blaine Phillips II

- 1984 "A Nineteenth Century Ute Burial from Northeast Utah." Cultural Resource Series No. 16, Bureau of Land Management, Salt Lake City.

Hauck, F. Richard

- 1981 Cultural Resource Inventory of Nine Proposed Well Locations and Access Roads in the Coyote Basin Locality of Uintah County, Utah, and in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Diamond Shamrock, DS-81-2, Archeological-Environmental Research Corporation, Bountiful.
- 1982 Cultural Resource Inventory of Five Proposed Well Locations and Access Roads in the Eightmile Flat and Castle Peak Localities of Uintah and Duchesne Counties, Utah. Report Prepared for Diamond Shamrock, DS-82-5, Archaeological-Environmental Research Corporation, Bountiful.
- 1984a Excavation (in) "A Nineteenth Century Ute Burial from Northeast Utah." Cultural Resource Series No. 16, Bureau of Land Management, ( Richard E. Fike and Blaine Phillips II editors and principal authors) Salt Lake City.
- 1984b Cultural Resource Evaluations of Seven Proposed Well Locations Situated in the Castle Peak Draw Locality of Uintah County, Utah. Report Prepared for Overthrust Oil and Royalty Company, OORC-84-1, Archaeological-Environmental Research Corporation, Bountiful.
- 1991 Archaeological Evaluations on the Northern Colorado Plateau Cultural Area, AERC Paper No. 45, Archeological-Environmental Research Corporation, Bountiful.
- 1992a Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-2, Archeological-Environmental Research Corporation, Bountiful.
- 1992b Addendum to Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-4, Archeological-Environmental Research Corporation, Bountiful.

- 1992c Cultural Resource Evaluations of Seven Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-5, Archeological-Environmental Research Corporation, Bountiful.
- 1992d Cultural Resource Evaluation of a Proposed Water Pipeline Corridor in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-6, Archeological-Environmental Research Corporation, Bountiful.
- 1992e Cultural Resource Evaluation of Seven Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-8, Archeological-Environmental Research Corporation, Bountiful.
- 1993a Cultural Resource Evaluation of Nine Proposed Well Locations in the Castle Peak Draw Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-1, Archeological-Environmental Research Corporation, Bountiful.
- 1993b Addendum to Cultural Resource Evaluation of Nine Proposed Well Locations in the Castle Peak Draw Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-2, Archeological-Environmental Research Corporation, Bountiful.
- 1993c Cultural Resource Evaluation of a Pipeline Corridor Situated in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-3, Archeological-Environmental Research Corporation, Bountiful.

Hauck, F. Richard and Glade V Hadden

- 1993a Cultural Resource Evaluation of Seven Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-4, Archeological-Environmental Research Corporation, Bountiful.
- 1993b Cultural Resource Evaluation of Four Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-5, Archeological-Environmental Research Corporation, Bountiful.

- 1993c Cultural Resource Evaluation of Eight Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-9, Archaeological-Environmental Research Corporation, Bountiful.
- 1993d Cultural Resource Evaluation of Four Proposed Well Locations in the Monument Buttes and Pleasant Valley Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-10, Archaeological-Environmental Research Corporation, Bountiful.
- 1993e Cultural Resource Evaluation of Seven Proposed Wells in the Monument Buttes and Pleasant Valley Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-11, Archaeological-Environmental Research Corporation, Bountiful.
- 1994a Cultural Resource Evaluation of Eight Proposed Wells in the Pleasant Valley Locality of Uintah County, Utah. Report prepared for Balcron Oil Company, BLCR-94-3 Archaeological-Environmental Research Corporation, Bountiful.
- 1994b Cultural Resource Evaluation of Proposed Water Injection Line Lateral Segments in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-94-4, Archaeological-Environmental Research Corporation, Bountiful.
- 1994c Cultural Resource Evaluation of Proposed Well Locations and Access Routes in the Pariette Draw - Castle Peak Draw - Eight Mile Flat Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-94-9, Archaeological-Environmental Research Corporation, Bountiful.

Hauck, F. Richard and Norman, V. Garth

- 1980 Final Report on the Mapco River Bend Cultural Mitigation Study. AERC Paper No. 18, of the Archeological-Environmental Research Corporation, Bountiful.

Hauck, F. Richard and Dennis Weder

- 1989 Pariette Overlook -- A Paleo-Indian Quarry Site in the Pariette Draw Locality of Uintah County, Utah. AERC Paper No. 42, of the Archeological-Environmental Research Corporation, Bountiful.

Stokes, W. L.

- 1977 Physiographic Subdivisions of Utah. Map 43, Utah Geological and Mineral Survey, Salt Lake.

43-013-31481



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

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

IN REPLY REFER TO:  
  
2800  
UTU-71294  
(U-082)

Tammy Searing  
Division of Oil, Gas and Mining  
355 West North Temple  
Three Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

JAN 13 1995

JAN 18 1995

RECEIVED  
DIV OF OIL, GAS & MINING

Dear Ms. Searing:

This is in reference to State mineral lease 45555, located in T. 9 S., R. 17 E., Section 2. Equitable Resources Energy Company has secured a Federal right-of-way from our office for access to wells #12-2, #13-2, #22-2 and #23-2. We have enclosed a copy of the right-of-way document for your information and files.

We request that you notify our office of any future changes in the status of these wells so that our records can be updated and the right-of-way terminated if necessary. Please reference our right-of-way serial number UTU-71294 in any future correspondence concerning these wells. Should you have any questions concerning this matter, please contact Cindy McKee of our office at (801) 781-4434. We thank you for your cooperation.

Sincerely,

Ron Trogstad  
Area Manager  
Diamond Mountain Resource Area

Enclosure:  
As stated

JAN 18 1995

FORM 2800-14  
(August 1985)

Issuing Office  
Vernal District  
Diamond Mountain Resource Area

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
RIGHT-OF-WAY GRANT

SERIAL NUMBER UTU-71294

- 
1. A right-of-way is hereby granted pursuant to Title V of the Federal Land Policy and Management Act of 1976 (90 Stat. 2776; 43 U.S.C. 1761).
  2. Nature of Interest:
    - a. By this instrument, the holder:

Equitable Resources Energy Company  
Box 21017  
Billings, Montana 59104

receives a right to construct, operate, maintain, and terminate an existing road to access state wells, Oil & Gas Mineral Lease ML-45555, on public lands described as follows:

T. 9 S., R. 17 E., SLB&M  
Sec. 3, SE $\frac{1}{4}$ NE $\frac{1}{4}$ .
    - b. The right-of-way area granted herein is 30 feet wide, 1,580 feet long and contains 1.09 acres, more or less.
    - c. This instrument shall terminate December 31, 2025, unless, prior thereto, it is relinquished, abandoned, terminated, or modified pursuant to the terms and conditions of this instrument or of any applicable Federal law or regulation.
    - d. This instrument may be renewed. If renewed, the right-of-way shall be subject to the regulations existing at the time of renewal and any other terms and conditions that the authorized officer deems necessary to protect the public interest.
    - e. Notwithstanding the expiration of this instrument or any renewal thereof, early relinquishment, abandonment, or termination, the provisions of this instrument, to the extent applicable, shall continue in effect and shall be binding on the holder, its successors, or assigns, until they have fully satisfied the obligations and/or liabilities accruing herein before or on account of the expiration, or prior termination, of the grant.

3. Rental:

For and in consideration of the rights granted, the holder agrees to pay the Bureau of Land Management fair market value rental as determined by the authorized officer unless specifically exempted from such payment by regulation. Provided, however, that the rental may be adjusted by the authorized officer, whenever necessary, to reflect changes in the fair market rental value as determined by the application of sound business management principles, and so far as practicable and feasible, in accordance with comparable commercial practices. Rental payments, if applicable, should be mailed to the following address:

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

4. Terms and Conditions:

- a. This grant is issued subject to the holder's compliance with all applicable regulations contained in Title 43 Code of Federal Regulations part 2800.
- b. Upon grant termination by the authorized officer, all improvements shall be removed from the public lands within 90 days, or otherwise disposed of as provided in paragraph (4)(c) or as directed by the authorized officer.
- c. The stipulations, plans, maps, or designs set forth in Exhibit "A", dated January 6, 1995, attached hereto, are incorporated into and made a part of this grant instrument as fully and effectively as if they were set forth herein in their entirety.
- d. Failure of the holder to comply with applicable law or any provision of this right-of-way grant shall constitute grounds for suspension or termination thereof.
- e. The holder shall perform all operations in a good and workmanlike manner so as to ensure protection of the environment and the health and safety of the public.
- f. The holder shall construct, operate, and maintain the facilities, improvements, and structures within this right-of-way in strict conformity with the application submitted on December 16, 1994. Any relocation, additional construction, or use that is not in accord with the approved plan of development shall not be initiated without the prior written approval of the authorized officer. Noncompliance with the above will be grounds for an immediate temporary suspension of activities if it constitutes a threat to public health and safety or the environment.

IN WITNESS WHEREOF, The undersigned agrees to the terms and conditions of this right-of-way grant.

Bobbie Schuman  
(Signature of Holder)

Regulatory and Environmental Specialist  
(Title)

January 9, 1995  
(Date)

Jon Trostad  
(Signature of Authorized Officer)

Area Manager,  
Diamond Mountain Resource Area  
(Title)

01-11-95  
(Effective Date of Grant)



CONFIDENTIAL  
CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: EQUITABLE RESOURCES

Well Name: BALCRON MONUMENT STATE 12-2

Api No. 43-013-31481

Section 2 Township 9S Range 17E County DUCHESNE

Drilling Contractor UNION

Rig # 17

SPUDDED: Date 3/15/95

Time \_\_\_\_\_

How ROTARY

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

Reported by D. HACKFORD-DOGM

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

Date: 3/21/95 Signed: JLT

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
CEMENTING OPERATIONS

WELL NAME: MONUMENT STATE #12-2 API NO: NO APD

QTR/QTR: SW/NW SECTION: 2 TOWNSHIP: 9S RANGE: 17E

COMPANY NAME: EQUITABLE RESOURCES COMPANY MAN: ODELL WILLIAMS

INSPECTOR: DENNIS L. INGRAM DATE: 3/15/95

CASING INFORMATION: SURFACE CASING: YES

SIZE: 8 5/8 GRADE: J55 24 LB. HOLE SIZE: 12 1/4 DEPTH: 276.55

PIPE CENTRALIZED: YES: 3 ON STRING

CEMENTING COMPANY: WESTERN GILWELL SERVICE

CEMENTING STAGES: ONE

SLURRY INFORMATION:

1. CLASS: G ADDITIVES: 2% CACL. 1/4 LB PER SACK CELLO SEAL

LEAD : 160 SACKS YIELD 1.16 TAIL: \_\_\_\_\_

2. SLURRY WEIGHT LBS. PER GALLON:

LEAD: 15.8 PPG TAIL: DITTO

3. WATER (GAL/SX)

LEAD: 5 GALLONS PER SACK TAIL: DITTO

CEMENT TO SURFACE: YES LOST RETURNS: NO

1 INCH INFORMATION: WEIGHT: NA CEMENT TO SURFACE: NA

FEET: NA SX: NA CLASS: NA CACL%: NA RETURNS: NA

ADDITIONAL COMMENTS: JOB WENT WELL; NO PROBLEMS. APPROXIMATELY

SIX BARRELS GOOD CEMENT TO SURFACE -- WATCHED FOR 15 MINUTES

AND DID NOT FALL. BUMPED PLUG AT 12:20 AM

**DRILLING LOCATION ASSESSMENT**

State of Utah  
Division of Oil, Gas and Mining

OPERATOR: EQUITABLE RESOURCES ENERGY CO.  
NAME: BALCRON MONUMENT STATE #12-2  
SECTION: 2 TWP: 9S RNG: 17E LOC: 1980' FNL 660' FWL  
QTR/QTR SW/NW COUNTY: DUCHESNE FIELD: UNDESIGNATED  
SURFACE OWNER: STATE OF UTAH  
SURFACE AGREEMENT: AS PER STATE LANDS  
SPACING: 660 F SECTION LINE 660 F QTR/QTR LINE  
STANDARD STATE SPACING R 649-3-2  
INSPECTOR: DENNIS L. INGRAM DATE AND TIME: 12/13/94 10:15 AM

PARTICIPANTS: DAVID HACKFORD (DOGM), DENNIS INGRAM (DOGM) DANNY  
FARNSWORTH (EQUITABLE)

REGIONAL SETTING/TOPOGRAPHY: SITE IS ON MESA WITH CASTLE PEAK  
DRAW TO THE NORTHEAST, SOME 240 FEET. LOCATED IN ARID DESEST  
HABITAT.

LAND USE:

CURRENT SURFACE USE: LIVESTOCK GRAZING WITH SOME WILDLIFE USE IN  
THE AREA.

PROPOSED SURFACE DISTURBANCE: LOCATION 225' X 325' WITH 600'  
ACCESS ROAD.

AFFECTED FLOODPLAINS AND/OR WETLANDS: AREA IS NOT A FLOODPLAIN  
BUT COULD SEE RUNOFF DURING OR AFTER RAIN STORMS.

FLORA/FAUNA: SALTBRUSH, GREASEWOOD, NATIVE GRASSES, PRICKLY PEAR:  
ANTELOPE, COYOTES, RABBITS, SMALL BIRDS, RAPTORS, REPTILES, DEER.

ENVIRONMENTAL PARAMETERS

SURFACE GEOLOGY

SOIL TYPE AND CHARACTERISTICS: LIGHT BROWN SANDY LOAM.

SURFACE FORMATION & CHARACTERISTICS: UINTA FORMATION/ SOUTH  
FLANK OF UINTA MOUNTAINS.

EROSION/SEDIMENTATION/STABILITY: VERY LITTLE EROSION. MINOR  
SEDIMENTATION STABILITY SHOULD NOT BE A PROBLEM.

PALEONTOLOGICAL POTENTIAL: TURTLE SHELL POTENTIAL BUT NONE  
OBSERVED.

**SUBSURFACE GEOLOGY**

**OBJECTIVES/DEPTHS: GREEN RIVER FORMATION, B1 AND B2 SANDS.  
5850' TD**

**ABNORMAL PRESSURES-HIGH AND LOW: NONE EXPECTED.**

**CULTURAL RESOURCES/ARCHAEOLOGY: NO INTEREST IN AREA.**

**CONSTRUCTION MATERIALS: CUT AND FILL AS NECESSARY.**

**SITE RECLAMATION: AS REQUIRED BY STATE LANDS.**

**RESERVE PIT**

**CHARACTERISTICS: 100' X 75' AND 8' DEEP.**

**LINING: A 12 MIL PLASTIC LINER WILL BE NECESSARY.**

**MUD PROGRAM: AIR MIST AND AERATED WATER. MUD WEIGHT KEPT AS  
LIGHT AS POSSIBLE.**

**DRILLING WATER SUPPLY: JOE SHIELDS #47-1674**

**OTHER OBSERVATIONS**

**STIPULATIONS FOR APD APPROVAL RESERVE PIT PLACED ON NORTH SIDE OF  
LOCATION.**

**ATTACHMENTS**

**PHOTOGRAPHS WILL BE PLACED ON FILE.**

**COMMENTS:**

**GROUND OPEN BUT SNOW FLURRY OCCURRED DURING ONSITES. PRESITE WAS  
REQUESTED BY BOBBIE SCHUMAN (COORDINATOR OF OPERATIONS,  
ENVIROMENTAL).**

3-21-95  
FORM 9

STATE OF UTAH  
DIVISION OF 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:

ML-45555

6. If Indian, Allottee or Tribe Name:

n/a

7. Unit Agreement Name:

n/a

1. Type of Well: OIL  GAS  OTHER:

8. Well Name and Number:

Balcron Monument State #12-2

2. Name of Operator:

Equitable Resources Energy Company, Balcron Oil Division

9. API Well Number:

43-013-31481

3. Address and Telephone Number:

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

10. Field and Pool, or Wildcat:

Undesignated/Green River

4. Location of Well

Footages: 1980' ENL & 660' FWL

County:

Duchesne

QQ, Sec., T., R., M.: SW NW Section 2, T9S, R17E

State:

Utah

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

NOTICE OF INTENT  
(Submit in Duplicate)

- Abandon
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Multiple Completion
- Other \_\_\_\_\_
- New Construction
- Pull or Alter Casing
- Recomplete
- Reperforate
- Vent or Flare
- Water Shut-Off

Approximate date work will start \_\_\_\_\_

SUBSEQUENT REPORT  
(Submit Original Form Only)

- Abandon
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Other Spud of well.
- New Construction
- Pull or Alter Casing
- Reperforate
- Vent or Flare
- Water Shut-Off

Date of work completion 3-15-95

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.)

This well was spud on 3-15-95 at 1:00 p.m.

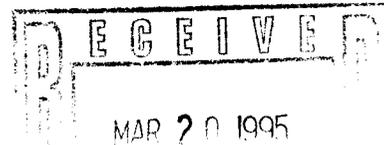
95

213

13.

Name & Signature: Molly Conrad, Molly Conrad Title: Operations Secretary Date: 3-16-95

(This space for State use only)



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

OPERATOR ACCT. NO. 9890

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11745	43-013-31481	Balcron Monument State #12-2	SW NW	2	9S	17E	Duchesne	3-15-95	3-15-95
WELL 1 COMMENTS: Spud of a new well. <i>Entity added 3-21-95. fcc</i>											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See Instructions on back of form)

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

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

(3/89)

Molly Conrad  
 Signature  
Operations Secretary      3-16-95  
 Title                                      Date  
 Phone No. 406 , 259-7860

**GEOLOGIC AND DRILLING REPORT**

*43-012-31481*

**BALCRON OIL**

**MONUMENT STATE NO. 12-2**

**C SW NW SECTION 2-T9S-R17E**

**DUCHESNE COUNTY, UTAH**

**CONFIDENTIAL**

**BALCRON OIL DIVISION**  
**Equitable Resources Energy, Corp.**  
**P.O. BOX 21017**  
**Billings, Montana 59104**

**MICROFICHE**

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## MONUMENT STATE NO. 12-2

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Strip Log-----	Pocket

Prepared by:

M.K. Jones  
Petroleum Geologist  
P.O. Box 21194  
Billings, MT 59104  
(406) 652-4505

# Well Summary

OPERATOR: Balcron Oil

LEASE AND WELL NAME: Monument State No. 12-2

LOCATION: 1980' fn, 660' fw (SW NW)  
Section 2-T9S-R17E, Duchesne County, Utah

ELEVATION: 5097 Ground, 5107 K.B.

SPUD DATE: March 15, 1995 @ 1:00 PM

COMPLETION DATE: Ran 5 1/2" Production Casing on 3-24-95

CASING POINT, DATE: March 23, 1995

TOTAL DEPTH: 5850' Driller Depth, 5848' Logger Depth

WELL STATUS: Awaiting Completion

DRILLING CONTRACTOR: Union Drilling Co., Inc.

RIG NO.: 17

HOLE SIZE: Surface; 12 1/4" to 286' Main Hole; 7 7/8" to T.D.'

SURFACE CASING: 7 Jts (261.55') 8 5/8", 24#, J-55 @ 272.55' K.B.  
cmt w/160 sx "G" +2% CaCl + 1/4#/sk CelloSeal

MUD PROGRAMS: Air and Mist to 4213'; KCL water to Total Depth

LOGS: HLS: Dual Laterolog; Spectral Density,  
Dual Spaced Neutron Log

CORES: None

DRILL STEM TESTS: None

SAMPLE QUALITY: Good

SAMPLE DISPOSTION: Utah Sample Library, Salt Lake City, Utah

PRODUCTION CASING: 5 1/2", 15.5# @ Total Depth

DRILLING EQUIPMENT: BLOW OUT PREVENTER:

RIG: Draw Works Cabot-Franks Rocket  
Mast Make Cabot Height 87'  
Power Caterpillar 343 Diesel

Make Schaeffer, Model 10" - 3000#  
Type Hydraulic Dbl Ram  
Drill Pipe Size 4 1/2" Thread XH 16.6#  
Drill Collars: NO. 20, Length 596'  
Thread 4"H-90, ID 2 1/2", OD 6"

PUMPS: NO. 1 Make GD, Model 200 FX,  
Stroke Length 14"  
Liner ID 5 1/2".  
Power Twin 671 Detroit Diesels

# Penetration Record

Monument State No. 12-2

## DAILY DEPTH AT 6:00 A.M.

<u>DATE</u>	<u>PENETRATION</u>		<u>TIME DISTRIBUTION</u>				<u>REMARKS</u>
	<u>DEPTH</u>	<u>FOOTAGE</u>	<u>DRILLING</u>	<u>REPAIRS</u>	<u>OTHER</u>	<u>DAY WORK</u>	
3-15-95	-	-	-	-	-	-	Move In; Rig Up; Spud @ 1:00 PM
3-16-95	286	286	6 1/2	-	-	-	Run & Cmt 8 5/8" Csg; WOC
3-17-95	1130	844	15 3/4	-	8 1/4	-	Nipple Up; Test BOP
3-18-95	2022	892	16 1/4	7	3/4	-	Drawworks Repair
3-19-95	3193	1171	21 3/4	-	2 1/4	-	-
3-20-95	4174	981	23 1/2	-	1/2	-	-
3-21-95	4590	416	17	-	7	-	Trip f/Bit; Load Hole
3-22-95	5135	545	23 1/4	-	3/4	-	-
3-23-95	5725	590	22 3/4	-	1 1/4	-	-
3-24-95	5850	125	5 3/4	-	18 1/4	-	Logging; Run & Cmt 5 1/2" Csg
3-25-95	5850	-	-	-	6	-	Rig Down; Move Off Rig Released @ 12:00 Noon

### TIME DISTRIBUTION SUMMARY

Rotating Hours----- 152 1/2 Hours  
 Days on Location----- 9 Days  
 Rig Repair----- 7 Hours  
 Day Work----- 0 Hours

# Mud Check



## Monument State No. 12-2

<u>DATE</u>	<u>DEPTH</u>	<u>WT.</u>	<u>VIS.</u>	<u>PH</u>	<u>WL</u>	<u>CAKE</u>	<u>CHLORIDES</u>	<u>KCI</u>
3-17-95	1130					Drilling with Air & Mist,	120 psi,	1800 cfm
3-18-95	2022					Drilling with Air & Mist,	180 psi,	1800 cfm
3-19-95	3193					Drilling with Air & Mist,	260 psi,	1800 cfm
3-20-95	4174					Drilling with Air & Mist,	280 psi,	1800 cfm
3-21-95	4590	8.5	27	10	-	-	6800	1.3% KCL
3-22-95	5135	8.5	27	10	-	-	6200	1.2% KCL
3-23-95	5725	8.5	27	10	-	-	6200	1.1% KCL

## Mud Additives

KCL----- 6 sx  
Sawdust----- 3 sx  
T-700 Inhibitor----- 2 Bbls.  
Poly S----- 2 cans

Lime----- 25 sx  
Gel----- 12 sx  
Cedar Fiber----- 30 sx  
Foamer----- 6 cans

# Bit Record



## Monument State No. 12-2

<u>NO.</u>	<u>SIZE</u>	<u>MAKE</u>	<u>TYPE</u>	<u>JETS</u>	<u>OUT</u>	<u>FEET</u>	<u>HRS.</u>	<u>WEIGHT</u>	<u>RPM</u>	<u>SPM</u>	<u>PRESS</u>	<u>DEV</u>
1	12 1/4"	STC	FB	Open	24	24	1	All	25		Air & Mist	
2	12 1/4"	STC	FB	Open	286	286	5 1/2	All	25		Air & Mist	
3	7 7/8"	Sec	S88CFH	24	4213	3927	78 1/2	40	55-60		Air & Mist	
4	7 7/8"	HTC	ATJ-44	13	5850	1637	68 1/2	40	60	55	950	2°

## Deviation Record

<u>DEPTH</u>	<u>ANGLE</u>	<u>DEPTH</u>	<u>ANGLE</u>
570	1/2°	3100	2°
1561	1°	4290	2°
2100	1 3/4°	4850	2°
2600	2°	5371	3°

# Show Report



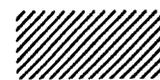
Monument State No. 12-2

NO	DEPTH	DRILL RATE, Min/Ft			TOTAL GAS Units			CHROMATOGRAPH %				
		From - To	Before	During	After	Before	Peak	After	C1	C2	C3	C4
1	4562-4566		1.8	1.0	2.2	2	20	2	0.2	0.05	0.05	0.05
2	4806-4825		3.2	1.5	3	4	30	4	0.2	0.15	0.15	-
3	5268-5274		2.6	1.6	2	8	88	6	0.85	0.2	0.3	0.25
4	5298-5310		2.4	1.2	2	10	100	10	1.0	0.7	0.6	0.4
5	5573-5577		3.0	1.0	3	80	180	80	1.7	0.3	0.4	0.3
6	5592-5621		3.8	1.4	2	40	400	80	3.2	1.1	0.6	0.5

## REMARKS

- 1 - Sandstone - white, light gray, very fine grained, silty, angular, calcareous, poor porosity, very light brown oil stain, weak yellow-gold fluorescence, instant streaming cut.
- 2 - Sandstone - light gray, tan, very fine to fine grained, angular, calcareous, poor to fair porosity, light brown oil stain, yellow-gold fluorescence, instant strong streaming cut.
- 3 - Sandstone - light gray, tan, very fine to medium grained, partly silty, angular, calcareous, poor to fair porosity, brown oil saturation, yellow-gold fluorescence, instant strong streaming cut.
- 4 - Sandstone - as above, oil show as above.
- 5 - Sandstone - tan to clear, very fine to fine grained, angular, calcareous, fair to good porosity, light brown oil saturation, yellow-gold fluorescence, instant strong streaming cut.
- 6 - Sandstone - light gray, clear, very fine to medium grained, many loose grains, angular, calcareous, poor to good porosity, light brown oil saturation, strong yellow-gold fluorescence, instant strong streaming cut.

# Formation Data



Monument State No. 12-2

## Log Tops

<u>ELEVATIONS</u>	<u>5097 GL</u>	<u>5107 K.B.</u>		<u>STRUCTURAL</u>
<u>FORMATION</u>	<u>DEPTH</u>	<u>ELEVATION</u>	<u>THICKNESS</u>	<u>RELATIONSHIP</u>
				<u>HIGH/LOW</u>
<b>TERTIARY</b>				
Uintah	Surface	+5097	1501	21 Feet Low
Green River	1511	+3596	891	34 Feet Low
Horseshoe Bench	2402	+2705	1548	55 Feet Low
2nd Garden Gulch	3950	+1157	609	41 Feet Low
Yellow Marker	4559	+548	166	42 Feet Low
Douglas Creek	4725	+382	198	46 Feet Low
R-5 Sandstone	4923	+184	47	47 Feet Low
2nd Douglas Creek	4970	+137	133	44 Feet Low
Green Marker	5103	+4	336	33 Feet Low
G-5 Sandstone	-	-	-	-
Black Shale Marker	5439	-322	116	42 Feet Low
Carbonate Marker	5555	-448	34	39 Feet Low
B-1 Sandstone	5589	-482	259+	43 Feet Low
B-2 Sandstone	-	-	-	-
<b>TOTAL DEPTH</b>	<b>5848'</b>			

REFERENCE WELL : Balcron Oil  
 Monument State No. 13-2  
 (1/4 mile South)

# Sample Descriptions

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Balcron Oil  
Monument State No. 12-2  
Duchesne County, Utah  
C SW NW Section 2-T9S-R17E

Samples caught from Blooie Line; Lagged; Sample quality good; Samples begin at 1500'; 50 Foot Intervals.

## LOG TOP, GREEN RIVER FORMATION 1511' (+3596')

1500 - 1550	Shale - buff, light gray, hard, blocky; Siltstone - light gray, sandy, calcareous; Marl - tan, blocky, slightly petroliferous.
1550 - 1600	Marl - buff, tan, brown, blocky, petroliferous.
1600 - 1650	As above; Siltstone - buff, sandy, limey.
1650 - 1700	Marl - buff, tan, brown, brownish gray, blocky, petroliferous; Calcite fragments - clear.
1700 - 1750	Marl - light gray, buff, tan, some brown, blocky, locally gritty to silty, slightly petroliferous; Calcite fragments.
1750 - 1800	No change.
1800 - 1850	Marl - buff, tan, brown, petroliferous, blocky; Calcite fragments.
1850 - 2000	Marl - tan, brown, blocky, petroliferous; some Calcite fragments.
2000 - 2050	Marl - buff, tan, brown, grayish brown, firm, blocky, petroliferous.
2050 - 2250	No change.

- 2250 - 2300 Marl - tan, brown, grayish brown, firm, blocky to fissile, petroliferous.
- 2300 - 2350 No change.
- 2350 - 2400 Sandstone - light gray, very fine to fine grained, few black and brown accessories, silty, angular, calcareous, hard, tight;  
Shale - light gray, hard, blocky, calcareous, gritty;  
Marl - as above.

**LOG TOP, HORSESHOE BENCH SANDSTONE 2402' (+2705')**

- 2400 - 2450 Sandstone - buff, tan, very fine grained, silty, angular to sub-rounded, calcareous, tight, *no show*; some Shale and Marl.
- 2450 - 2500 Marl - buff, tan, hard, blocky, petroliferous.
- 2500 - 2550 Marl - tan, brown, grayish brown, fissile to blocky, petroliferous; some Siltstone - tan, calcareous.
- 2550 - 2600 Marl - brown, dark brown, blocky, very petroliferous;  
Limestone - tan, brown, micritic, argillaceous.
- 2600 - 2750 No change.
- 2750 - 2800 No change.
- 2800 - 2850 Marl - grayish brown, tan, brown, blocky to fissile, petroliferous.
- 2850 - 2900 Marl - as above, mostly very silty to sandy, hard.
- 2900 - 2950 Marl - tan, brown, fissile to lumpy, petroliferous.
- 2950 - 3000 Marl - as above; Limestone - tan, brown, micritic, argillaceous.
- 3000 - 3050 No change.
- 3050 - 3100 Sandstone - light gray, salt and pepper, coarse grained, angular, calcareous, partly clay filled, hard, tight, *no show*.
- 3100 - 3150 Marl - buff, tan, brown, fissile, firm, petroliferous.
- 3150 - 3200 Limestone - white, buff, micritic to fine crystalline;  
Sandstone - white, very fine grained, silty, angular, calcareous hard, tight; Marl - as before.

3200 - 3250 Sandstone - white, light gray, very fine grained, very silty, angular, calcareous, tight; Shale - light gray, gritty to sandy, hard, blocky, calcareous; some Limestone.

3250 - 3300 Shale - as above;

3300 - 3350 Marl - buff, tan, grayish brown, hard, petroliferous; Limestone - cream, buff, tan, micritic to fine crystalline.

3350 - 3400 As above; Siltstone - white, light gray, sandy, limey, hard.

3400 - 3450 No change.

3450 - 3500 Increase in Limestone - tan, very fine crystalline.

3500 - 3550 Marl - brown, grayish brown, hard, blocky, petroliferous; Limestone - tan, chalky, micritic.

3550 - 3600 Limestone - as above; Shale - light gray, hard, calcareous, blocky to fissile; some Marl.

3600 - 3650 Sandstone - light gray, very fine grained, very silty, angular, calcareous, slightly shaley, hard, tight; Shale - as above.

3650 - 3700 Siltstone - medium gray, sandy, shaley, calcareous. hard.

3700 - 3750 Limestone - buff, tan, micritic, slightly argillaceous; Shale - light gray, hard, blocky, calcareous.

3750 - 3800 Shale - light gray, hard, blocky, gritty to silty, calcareous.

3800 - 3850 Marl - tan, brown, hard, blocky, petroliferous.

3850 - 3900 Shale - light gray, hard, blocky to fissile, calcareous; Limestone - tan, micritic; Marl - as above.

3900 - 3950 Siltstone - light gray, sandy, calcareous; Shale - as above.

**LOG TOP, 2nd GARDEN GULCH LIMESTONE 3950' (+1157')**

3950 - 4000 Limestone - cream, buff, tan, micritic, hard; some Marl - brown, petroliferous.

**Begin 30 Foot Samples.**

- 4000 - 4030 Sandstone - light gray, clear, mostly loose grains, very fine to fine, angular, apparent good porosity, *no show*.
- 4030 - 4060 Sandstone - as above, very fine grained, very silty; Shale - light gray, fissile, calcareous.
- 4060 - 4090 Limestone - cream, buff, tan, micritic, locally fossiliferous; some Shale and Siltstone .
- 4090 - 4120 Shale - light gray, hard, blocky, calcareous; Limestone - as before.
- 4120 - 4150 Shale - as above; trace of Limestone.
- 4150 - 4180 Shale - as above, locally gritty to silty; Siltstone - light gray, sandy, calcareous.
- 4180 - 4210 Sandstone - light gray, very fine grained, silty, angular, calcareous, shaley, tight; Shale - light gray, fissile to blocky, calcareous, hard, gritty; Siltstone - light gray, sandy, calcareous; Limestone - tan, micritic, ostracods.
- 4210 - 4240 Shale - as above; Marl - dark brown, blocky, petroliferous; Sandstone - white, fine to medium grained, sub-angular, calcareous, clay filled, tight, *no show*.
- 4240 - 4270 Shale and Marl - as above; Sandstone - light gray, very fine grained, silty, angular, calcareous, tight, *no show*; grades to sandy Siltstone.
- 4270 - 4300 No change.
- 4300 - 4330 Shale - light gray, fissile to blocky, calcareous.
- 4330 - 4360 Marl - buff, tan, brown, blocky to fissile, petroliferous; Shale - as above; Siltstone - white, light gray, sandy, calcareous.
- 4360 - 4390 Shale - as above; some Marl.
- 4390 - 4420 Marl - grayish brown, brown, dark brown, fissile, petroliferous.
- 4420 - 4450 No change.

- 4450 - 4480 No change.
- 4480 - 4510 Shale - light gray, fissile to lumpy, calcareous; some Marl.
- 4510 - 4540 As above; Clay - white, soft.

**LOG TOP, YELLOW MARKER 4559' (+548)**

- 4540 - 4570 As above; Sandstone - white, light gray, very fine grained, silty, angular, calcareous, poor porosity, very light brown oil stain, weak yellow-gold fluorescence, instant streaming cut.
- 4570 - 4600 Shale - light gray, blocky, calcareous; Marl - tan, brown, blocky, petroliferous; some Sandstone - with show, as above; Clay - white.
- 4600 - 4630 Interbeds of Sandstone with oil shows; Shale and Marl - as above.
- 4630 - 4660 Siltstone - white, light gray, very sandy, calcareous; Shale and Marl - as above.
- 4660 - 4690 Shale - light gray, fissile to lumpy, calcareous; Siltstone - light gray, tan, partly sandy, calcareous; Marl - tan, brown, blocky, petroliferous; Limestone - tan, micritic.
- 4690 - 4720 Sandstone - light gray, very fine grained, silty, angular, clay filled to calcareous, tight; some Shale and Marl - as before; Clay - white.

**LOG TOP, DOUGLAS CREEK 4725' (+382')**

- 4720 - 4750 Marl - tan, brown, brownish gray, blocky to fissile, petroliferous; some Limestone - tan, brown, mottled, micritic to fragmental, argillaceous.
- 4750 - 4780 Shale - light gray, blocky to fissile, gritty, calcareous; Sandstone - light gray, very fine to fine grained, very silty, angular, calcareous, tight; some Marl and Limestone.
- 4780 - 4810 Shale and Marl - as above; Siltstone - white, light gray, sandy, calcareous; Clay - white.

- 4810 - 4840 Sandstone - light gray, clear, tan, very fine to fine grained, angular, calcareous, poor to fair porosity, light brown oil stain, yellow-gold fluorescence, instant strong streaming cut.
- 4840 - 4870 Sandstone - as above, clay filled to calcareous, silty, mostly tight, scattered show; Shale - light gray, fissile to blocky, calcareous, gritty, hard; some Marl - brown, petroliferous; trace of Limestone - tan, micritic.
- 4870 - 4900 Shale - light gray, fissile, calcareous; Siltstone - white, light gray, calcareous; Marl - tan, brown, blocky, calcareous; Clay - white.

**LOG TOP, R-5 SANDSTONE 4923' (+184')**

- 4900 - 4930 Shale - light gray, blocky to fissile, calcareous, gritty in part; some Marl; Sandstone - white, light gray, very fine grained, silty, angular, calcareous to clay filled, tight, no show.
- 4930 - 4960 Marl - brown, brownish gray, gray, blocky to fissile, slightly petroliferous.

**LOG TOP, 2nd DOUGLAS CREEK 4970' (137')**

- 4960 - 4990 Limestone - brown, micritic; Marl - as above.
- 4990 - 5020 Shale - light gray, blocky to lumpy, calcareous.
- 5020 - 5050 As above; Marl - brown, brownish gray, blocky to fissile, petroliferous; Sandstone - light gray, white, very fine grained, silty, angular, calcareous, partly clay filled, tight, no show.
- 5050 - 5080 Shale - light gray, lumpy to fissile, calcareous; some Marl; some Sandstone.

**LOG TOP, GREEN MARKER 5103' (+4')**

- 5080 - 5110 Marl - tan, brown, dark grayish brown, blocky to fissile, petroliferous.
- 5110 - 5140 No change.
- 5140 - 5170 Limestone - tan, brown, micritic, argillaceous; Shale - light gray, fissile to lumpy, calcareous; Siltstone - light gray, sandy, shaley, calcareous.

- 5170 - 5200 As above; Influx of Sandstone - light gray, very fine to fine grained, angular, calcareous to clay filled, tight, no show.
- 5200 - 5230 No change.
- 5230 - 5260 As above; Sandstone - light gray, tan, very fine to fine grained, angular, calcareous, poor porosity, dark brown oil stain, blobs of brown oil over shaker and on samples, yellow-gold fluorescence, instant strong streaming cut.
- 5260 - 5290 Shale and Limestone - as above; Sandstone - buff, tan, very fine to fine grained, partly silty, angular, calcareous, poor to fair porosity, brown oil saturation, yellow-gold fluorescence, instant strong streaming cut, oil blobs on pit.
- 5290 - 5320 some Shale and Limestone - as above; Sandstone - as above; oil show, as above.
- 5320 - 5350 Shale - light to medium gray, fissile to lumpy, gritty, calcareous; Limestone - tan, brown, micritic, slightly argillaceous.
- 5350 - 5380 Shale - light to medium gray, some greenish gray, fissile to blocky, gritty, calcareous, very slightly petroliferous; some Limestone.
- 5380 - 5410 Shale - light to medium gray, dark brownish gray, fissile to lumpy, slightly gritty, calcareous, slightly petroliferous; some Limestone.

#### LOG TOP, BLACK SHALE FACIES 5429' (-332')

- 5410 - 5440 Shale - as above; Limestone - tan, brown, mottled, fragmental to micritic.
- 5440 - 5470 Shale - dark grayish brown to black, fissile to blocky, locally calcareous, petroliferous.
- 5470 - 5500 No change.
- 5500 - 5530 Limestone - buff, tan, light gray, shaley, micritic, brittle; Shale - as above; with much dark brown viscous oil in clumps and blobs.
- 5530 - 5547 Shale - dark grayish brown, blocky to fissile, petroliferous; some Limestone.

### LOG TOP, CARBONATE MARKER 5555' (-448')

- 5547 - 5560 As above; some Siltstone - tan, light gray, calcareous, shaley; trace of Sandstone - light gray, very fine to medium grained, angular, clacareous, tight.
- 5560 - 5572 Siltstone - white, light gray, sandy, calcareous; Sandstone - as above; Shale - light gray, fissile, calcareous; Limestone - tan, brown, micritic.
- 5572 - 5577 Sandstone - tan to clear, very fine to fine grained, angular, calcareous, fair to good porosity, light brown oil saturation, yellow-gold fluorescence, instant strong streaming cut.
- 5577 - 5592 Siltstone - light gray, sandy, calcareous; Shale - light gray, fissile to blocky, calcareous, gritty.

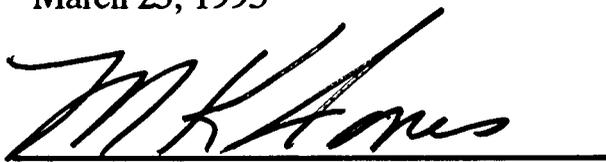
### LOG TOP, B-1 SANDSTONE 5589' (-482')

- 5592 - 5610 Sandstone - light gray, clear, very fine to fine grained, angular, calcareous, poor to good porosity, light brown oil saturation, yellow-gold fluorescence, instant strong streaming cut.
- 5610 - 5620 Sandstone - clear, light gray, very fine to medium grained, mostly loose grains, angular, clacareous, oil show; as above.
- 5620 - 5650 Sandstone - buff, tan, very fine to medium grained, angular, calcareous, partly clay filled, mostly tight, patches of porosity with show; as above.
- 5650 - 5668 Sandstone - light gray, very fine grained, silty, angular, calcareous, hard, tight, no show; Limestone - buff, tan, micritic to fragmental; Shale - light gray, lumpy to fissile, calcareous, gritty.
- 5668 - 5672 Shale - black, blocky to fissile, bleeding tarry brown live oil, petroliferous; Limestone - as above.
- 5672 - 5693 Marl - dark brown, black, petroliferous.
- 5693 - 5720 Shale - light gray, fissile, calcareous; Sandstone - white, light gray, very fine grained, angular, calcareous, hard, tight.

- 5720 - 5723 Sandstone - light gray, buff, very fine to medium grained, abundant loose grains, angular to sub-rounded, calcareous, no visible porosity or show.
- 5723 - 5740 Sandstone - light gray, very fine grained, silty, angular, clay filled to calcareous, tight; Shale - light gray, fissile to blocky, calcareous.
- 5740 - 5770 Siltstone - light gray, sandy, shaley, calcareous; Shale - light to medium gray, blocky to fissile, gritty to silty, calcareous; some Sandstone - as above.
- 5770 - 5800 Shale - as above; some Siltstone and Sandstone - as above; Limestone - tan brown, micritic, argillaceous.
- 5800 - 5830 Shale - dark brown to black, blocky, brittle, limey, petroliferous; Limestone - tan, brown, micritic, argillaceous; some Sandstone and Shale - as above.
- 5830 - 5850 Shale - dark brown, black, limey, hard, brittle.

Driller's Total Depth 5850'  
Logger's Total Depth 5848'

March 23, 1995



MK. Jones  
Petroleum Geologist

**M.K. Jones**  
**Petroleum Geologist**

**P.O. Box 21194**

**Billings, Montana 59104**

**PH. (406) 652-4505**

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

5. Lease Designation and Serial Number:  
ML - 45555

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

7. Unit Agreement Name:  
n/a

8. Well Name and Number:  
Balcron Monument State #12-2

9. API Well Number:  
43-013-31481

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

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

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

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

4. Location of Well  
Footages: 1980' FNL & 660' FWL  
County: Duchesne  
OO, Sec., T., R., M.: SW NW Section 2, T9S, R17E  
State: Utah

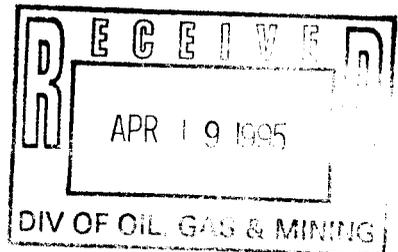
#### 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<input type="checkbox"/> Abandon <input type="checkbox"/> Repair Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Convert to Injection <input type="checkbox"/> Fracture Treat or Acidize <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Other _____	<input type="checkbox"/> Abandon * <input type="checkbox"/> Repair Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Convert to Injection <input type="checkbox"/> Fracture Treat or Acidize <input checked="" type="checkbox"/> Other <u>Report of First Production</u>
<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recomplete <input type="checkbox"/> Reperforate <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Reperforate <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off
Approximate date work will start _____	Date of work completion <u>4-13-95</u>

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.)

First production on this well was on 4-13-95 at 3:45 p.m.



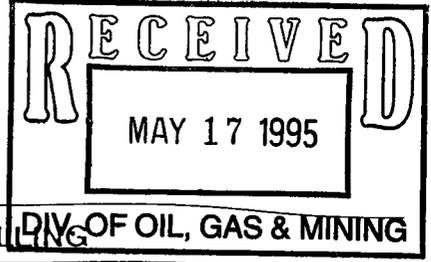
13. Name & Signature: Bobbie Schuman, Bobbie Schuman Title: Regulatory and Environmental Specialist Date: 4-17-95

(This space for State use only)

CONFIDENTIAL

FORM 7

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING



REPORT OF WATER ENCOUNTERED DURING DRILLING

1. Well name and number: Balcron Monument State #12-2

API number: 43-013-31481

2. Well Location: QQ SW NW Section 2 Township 9S 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 (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
		No measurable water encountered	
		during 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: 5-15-95

Name & Signature: Molly Conrad, Molly Conrad

Title: Operations Secretary

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**RECEIVED**  
MAY 17 1995  
DIV. OF OIL, GAS & MINING

LEASE DESIGNATION AND SERIAL NO.  
ML-45555

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

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

1b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESVR.  Other \_\_\_\_\_

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 1980' FNL & 660' FWL  
At top prod. interval reported below  
At total depth

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

7. UNIT AGREEMENT NAME  
n/a

8. FARM OR LEASE NAME  
Balcron Monument State

9. WELL NO.  
12-2

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

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
SW NW Section 2, T9S, R17E

14. API NO. 43-013-31481 DATE ISSUED 12-19-94

12. COUNTY Duchesne 13. STATE Utah

15. DATE SPUDDED 3-15-95 16. DATE T.D. REACHED 3-24-95 17. DATE COMPL. (Ready to prod.) 4-13-95 (Plug & Abd.) 18. ELEVATIONS (DF, RES, RT, GR, ETC.) 5097.14' GL 19. ELEV. CASINGHEAD n/a

20. TOTAL DEPTH, MD & TVD 5800' 21. PLUG BACK T.D., MD & TVD 5797' 22. IF MULTIPLE COMPL. HOW MANY n/a 23. INTERVALS DRILLED BY Sfc - TD 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) 4924' - 5306' Green River 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS AND  
GR/CBL NUD LOG 3-27-95  
DUAL LATERAL LOG, SPECTRAL DENSITY DUAL SARCOS NEUTRON

27. WAS WELL CORED YES  NO  (Submit analysis)  
DRILL STEM TEST YES  NO  (See reverse side)

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#	271.55'	12-1/4"	160 sxs Class "G" w/additives	None
5-1/2"	15.5#	5834.84'	7-7/8"	252 sxs Super "G" w/additives	None
				320 sxs 50/50 POZ w/additives	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	30. TUBING RECORD
n/a					SIZE 2-7/8" DEPTH SET (MD) 5362.72' KB PACKER SET (MD) n/a

31. PERFORATION RECORD (Interval, size and number)

4924' - 4936' (4 SPF)  
5266' - 5268' (4 SPF)  
5296' - 5306' (4 SPF)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5266' - 5306'	2885 gals 2% KCL wtr. Frac 23,060# 20/40 & 41,460# 16/30 w/20,034 gals 2% KCL gelled wtr.
4924' - 4936'	3360 gals 2% KCL wtr. Frac 59,020# 20/40

33. PRODUCTION with 19,278 gals 2% KCL gelled wtr.

DATE FIRST PRODUCTION 4-13-95 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) 1-1/2" Insert Pump WELL STATUS (Producing or shut-in) Producing

DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO
5-7-95	24	n/a		20.28	N.M.	2.7	N.M.

FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)
n/a	n/a		20.28	N.M.	2.7	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 Molly Conrad TITLE Operations Secretary DATE 5-15-95

See Spaces for Additional Data on Reverse Side

## INSTRUCTIONS

This form should be completed in compliance with the Utah Oil and Gas Conservation General Rules. If not filed prior to this time, all logs, tests, and directional surveys as required by Utah Rules should be attached and submitted with this report.

ITEM 18: Indicate which elevation is used as reference for depth measurements given in other spaces on this form and on any attachments.

ITEMS 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

ITEM 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

ITEM 33: Submit a separate completion report on this form for each interval to be separately produced (see instruction for items 22 and 24 above).

37. SUMMARY OF POROUS ZONES:		38. GEOLOGIC MARKERS							
Formation	Top	Bottom	Description, contents, etc.						
			<p>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.</p> <p style="text-align: center;">No DST's run</p>						
			<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Name</th> <th style="width: 50%;">Top</th> </tr> <tr> <td></td> <td>Meas. Depth True Vert. Depth</td> </tr> </thead> <tbody> <tr> <td style="text-align: center;">See Geological Report submitted separately.</td> <td></td> </tr> </tbody> </table>	Name	Top		Meas. Depth True Vert. Depth	See Geological Report submitted separately.	
Name	Top								
	Meas. Depth True Vert. Depth								
See Geological Report submitted separately.									

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

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

Well Name: BALCRON MONUMENT ST. #12-2 API Number: 43-013-31481

Section: 2 Township: 9S Range: 17E County: DUCHESNE Field: UNDESIGNATED

Well Status: POW Well Type: Oil: YES Gas:     

**PRODUCTION LEASE EQUIPMENT: (NUMBER)**

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

Shed(s): N Line Heater(s): N Heated Separator(s): N VRU: N

Heater Treater(s): (1)

**PUMPS:**

Triplex:      Chemical: Y Centrifugal: (1)

**LIFT METHOD:**

Pumpjack: Y Hydraulic:      Submersible:      Flowing:     

**GAS EQUIPMENT: (NUMBER)**

Purchase Meter: N Sales Meter:     

**TANKS:**

NUMBER

SIZE

Oil Storage Tank(s): YES 2-400'S W/BURN BBLS

Water Tank(s): YES 1-150 IN PIT BBLS

Power Water Tank:           BBLS

Condensate Tank(s):           BBLS

Propane Tank: (1)

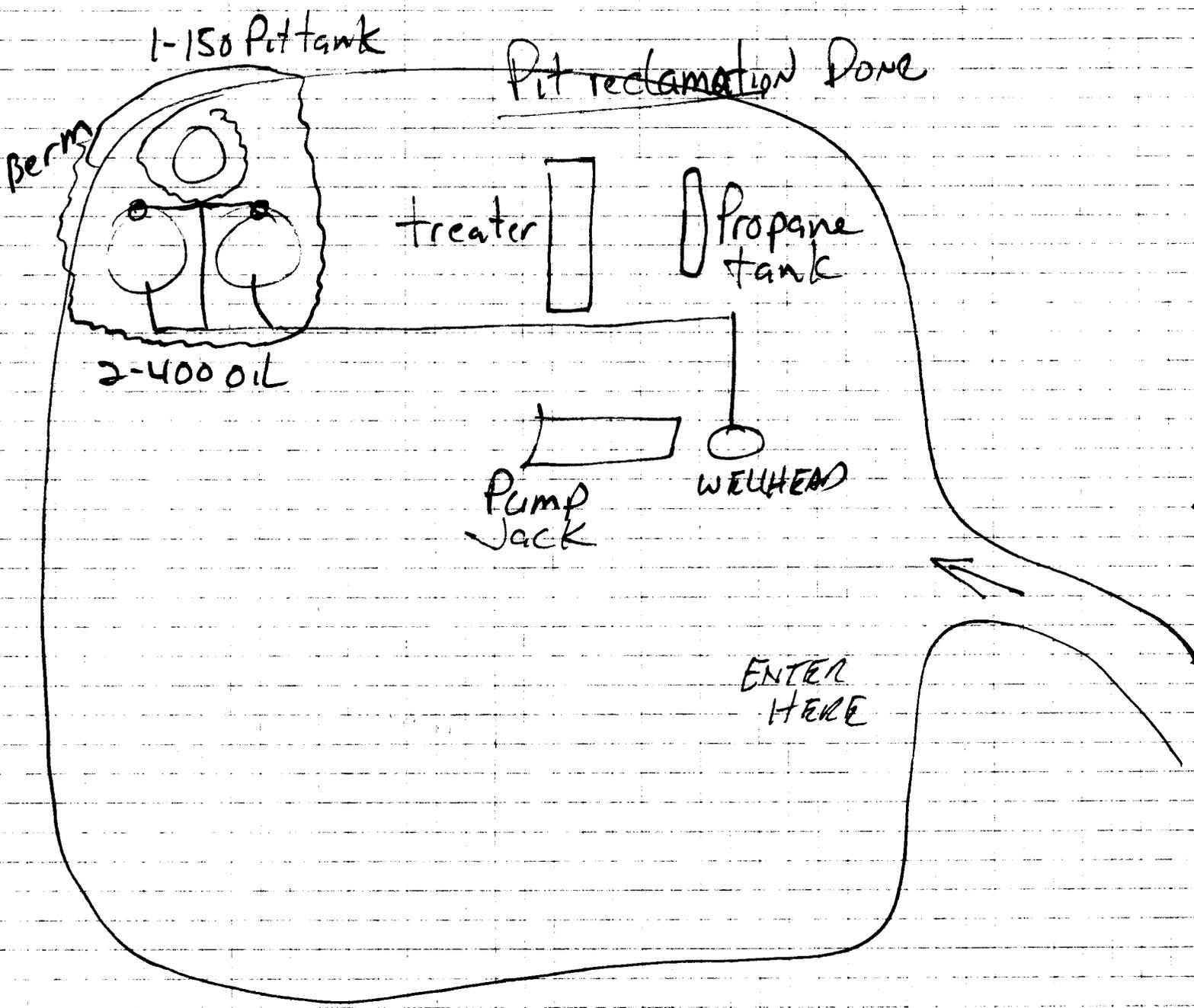
**Central Battery Location: (IF APPLICABLE)**

Qtr/Qtr:      Section:      Township:      Range:     

REMARKS: RUNNING ON RESIDUE. NO SALES LINE OR METER. CENTRIFUGAL IS  
FOR HEAT TRACE SYSTEM (GLYCOL IS HEATED BY EXHAUXT FROM MOTOR).

Inspector: DENNIS L. INGRAM Date: 7/26/95

EQUITABLE RESOURCES ENERGY  
BALCRON Monument State #12-2  
Sec 2 ; T95 ; R17E ML-45555  
POW 43-013-31481



7/26/95  
Lenna Jay

**STATE OF UTAH**

<b>Operator: EQUITABLE RESOURCES</b>	<b>Well Name: BALCRON MON. STATE 1</b>
<b>Project ID: 43-013-31481</b>	<b>Location: SEC. 02 - T09S - R17E</b>

Design Parameters:

Mud weight ( 8.80 ppg) : 0.457 psi/ft  
 Shut in surface pressure : 2338 psi  
 Internal gradient (burst) : 0.057 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	5,850	5.500	15.50	K-55	ST&C	5,850	4.825		
	<b>Load</b> (psi)	<b>Collapse</b> <b>Strgth</b> (psi)	<b>S.F.</b>	<b>Burst</b> <b>Load</b> (psi)	<b>Min Int</b> <b>Yield</b> <b>Strgth</b> (psi)	<b>S.F.</b>	<b>Tension</b> <b>Load</b> (kips)	<b>Strgth</b> (kips)	<b>S.F.</b>
1	2674	4040	1.511	2674	4810	1.80	78.47	222	2.83 J

Prepared by : FRM, Salt Lake City, UT  
 Date : 12-19-1994  
 Remarks :

Minimum segment length for the 5,850 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 103°F (Surface 74°F , BHT 132°F & temp. gradient 1.000°/100 ft.)  
 The mud gradient and bottom hole pressures (for burst) are 0.457 psi/ft and 2,674 psi, respectively.

**NOTE:** The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - Collapse (with evacuated casing), 1.0 - 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)

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 listing
	6. If Indian, Allottee or Tribe Name: n/a
	7. Unit Agreement Name: See attached listing
1. Type of Well: OIL <input type="checkbox"/> GAS <input type="checkbox"/> OTHER: See attached listing	8. Well Name and Number: See attached listing
2. Name of Operator: Equitable Resources Energy Company, Balcron Oil Division	9. API Well Number: See attached listing
3. Address and Telephone Number: 1601 Lewis Avenue Avenue; Billings, MT 59102 (406) 259-7860	10. Field and Pool, or Wildcat: See attached listing
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)
<input type="checkbox"/> Abandon <input type="checkbox"/> Repair Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Convert to Injection <input type="checkbox"/> Fracture Treat or Acidize <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Other _____  Approximate date work will start _____	<input type="checkbox"/> Abandon <input type="checkbox"/> Repair Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Convert to Injection <input type="checkbox"/> Fracture Treat or Acidize <input checked="" type="checkbox"/> Other <u>Operator name change</u>  Date of work completion _____  <small>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.</small>
<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recomplete <input type="checkbox"/> Reperforate <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Reperforate <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off

**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.

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

(This space for State use only)



**EQUITABLE RESOURCES  
ENERGY COMPANY**

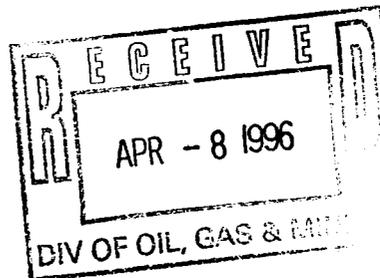
**BALCRON OIL DIVISION**

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

DOGM SPEED LETTER

To: Ed Bonner

From: Don Staley

School & Institutional Trust

Division of Oil, Gas & Mining

Lands Administration

Subject: Operator Change

MESSAGE

Date April 26 19 96

Ed,

For your information, attached are copies of documents regarding an operator change on a state lease(s)

These companies have complied with our requirements. Our records have been updated. Bonding should be reviewed by your agency ASAP.

Former Operator: Equitable Resources Energy Co., Balcron Oil Division (N9890)

New Operator: Equitable Resources Energy Co. (N9890)

Well(s):

API:

Entity:

S-T-R:

Lease:

NAME CHANGE ONLY

(See Attached Lists)

cc: Operator File

Signed

Don Staley

REPLY

Date

19

Signed

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Routing:

1	LEC 7-SJ
2	DES 58-FILE
3	VLD (GIL)
4	RJE
5	IEC
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)	<u>EQUITABLE RESOURCES ENERGY COEROM</u> (former operator)	<u>EQUITABLE RESOURCES ENERGY CO</u>
(address)	<u>1601 LEWIS AVE</u>	(address) <u>BALCRON OIL DIVISION</u>
	<u>BILLINGS MT 59102-4126</u>	<u>1601 LEWIS AVE</u>
	phone <u>(406) 259-7860</u>	<u>BILLINGS MT 59102-4126</u>
	account no. <u>N9890</u>	phone <u>(406) 259-7860</u>
		account no. <u>N9890</u>

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

Name: <b>**SEE ATTACHED**</b>	API: <u>013-31481</u>	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**

- Yes 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.
- Yes 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) ~~for each well listed above.~~ *(4-10-96)*
- Yes 6. Cardex file has been updated for each well listed above. *(4-11-96)*
- Yes 7. Well file labels have been updated for each well listed above. *(4-11-96)*
- Yes 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)*
- Yes 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Y 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

# 5578314 (\$80,000) Seleo Ins. Co. (Bond Rider In Progress)

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

FILMING

- Y 1. All attachments to this form have been microfilmed. Date: May 20 1996.

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

9/6/04/10 Blm/BIA "Formal approval not necessary"

**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 91331476 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					
<b>TOTALS</b>						

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

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

Name and Signature: \_\_\_\_\_ Telephone Number: \_\_\_\_\_

UTAH

Balcron Monument Fed. #32-1J	Monument Butte	SW NE	1	9S	16E	Duchesne	UT	Oil	Green River	U-33992	43-013-31414	2143' FNL, 1987' FEL	Vernal	Jonah
Balcron Monument Fed. #32-25	Undesignated	SW NE	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32524	1980' FNL, 1980' FEL	Vernal	
Balcron Monument Fed. #33-11J	Monument Butte	NW SE	11	9S	16E	Duchesne	UT	Oil	Green River	U-096550	43-013-31451	1971' FSL, 2032' FEL	Vernal	Jonah
Balcron Monument Fed. #33-25	Undesignated	NW SE	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32525	2097' FSL, 2067' FEL	Vernal	
Balcron Monument Fed. #33-6	Monument Butte	NW SE	6	9S	17E	Duchesne	UT	WIW	Green River	U-020252-A	43-013-31361	1832' FSL, 1829' FEL	Vernal	Jonah
Balcron Monument Fed. #33-8	Monument Butte	NW SE	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-31427	1980' FSL, 1980' FEL	Vernal	Beluga
Balcron Monument Fed. #34-10J	Monument Butte	SW SE	10	9S	16E	Duchesne	UT	WIW	Green River	U-017985	43-013-31416	592' FSL, 1979' FEL	Vernal	Jonah
Balcron Monument Fed. #34-25	Undesignated	SW SE	25	8S	17E	Uintah	UT	PND	Green River	U-67845		800' FSL, 2100' FEL	Vernal	
Balcron Monument Fed. #34-7	Monument Butte	SW SE	7	9S	17E	Duchesne	UT	PND	Green River	UTU-72106	43-013-31426	810' FSL, 1736' FEL	Vernal	
Balcron Monument Fed. #41-12J	Monument Butte	NE NE	12	9S	16E	Duchesne	UT	Oil	Green River	U-44426		395' FNL, 476' FEL	Vernal	Jonah
Balcron Monument Fed. #41-14J	Monument Butte	NE NE	14	9S	16E	Duchesne	UT	WIW	Green River	U-096550	43-013-31408	363' FNL, 600' FEL	Vernal	Jonah
Balcron Monument Fed. #41-15	Monument Butte	NE NE	15	9S	16E	Duchesne	UT	WIW	Green River	U-017985	43-013-31367	460' FNL, 500' FEL	Vernal	Jonah
Balcron Monument Fed. #41-17	Monument Butte	NE NE	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31466	660' FNL, 660' FEL	Vernal	Beluga
Balcron Monument Fed. #41-26	Monument Butte	NE NE	26	8S	17E	Uintah	UT	PND	Green River	U-67845	43-047-32456	660' FNL, 500' FEL	Vernal	
Balcron Monument Fed. #42-11J	Monument Butte	SE NE	11	9S	16E	Duchesne	UT	Oil	Green River	U-096550	43-013-30066	1992' FNL, 496' FEL	Vernal	Jonah
Balcron Monument Fed. #42-12J	Monument Butte	SE NE	12	9S	16E	Duchesne	UT	Oil	Green River	U-035521	43-013-31486	2550' FNL, 391' FEL	Vernal	Jonah
Balcron Monument Fed. #42-14J	Monument Butte	SE NE	14	9S	16E	Duchesne	UT	PND	Green River	U-096550	43-013-21491	1882' FNL, 773' FEL	Vernal	Jonah
Balcron Monument Fed. #42-17	Monument Butte	SE NE	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31467	1800' FNL, 700' FEL	Vernal	Beluga
Balcron Monument Fed. #42-18	Monument Butte	SE NE	18	9S	17E	Duchesne	UT	PND	Green River	UTU-72106	43-013-31433	1800' FNL, 800' FEL	Vernal	
Balcron Monument Fed. #42-1J	Monument Butte	SE NE	1	9S	16E	Duchesne	UT	WIW	Green River	U-40652	43-013-31404	2087' FNL, 692' FEL	Vernal	Jonah
Balcron Monument Fed. #42-26	Undesignated	SE NE	26	8S	17E	Uintah	UT	PND	Green River	U-67845		2100' FNL, 660' FEL	Vernal	
Balcron Monument Fed. #42-6	Monument Butte	SE NE	6	9S	17E	Duchesne	UT	WIW	Green River	U-020252-A	43-013-31364	1806' FNL, 921' FEL	Vernal	Jonah
Balcron Monument Fed. #43-11J	Monument Butte	NE SE	11	9S	16E	Duchesne	UT	WIW	Green River	U-096550	43-013-31002	2127' FSL, 693' FEL	Vernal	Jonah
Balcron Monument Fed. #43-26	Undesignated	NE SE	26	8S	17E	Uintah	UT	PND	Green River	U-67845		1880' FSL, 379' FEL	Vernal	
Balcron Monument Fed. #43-7	Monument Butte	NE SE	7	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31432	1850' FSL, 850' FEL	Vernal	Beluga
Balcron Monument Fed. #44-1J	Monument Butte	SE SE	1	9S	16E	Duchesne	UT	WIW	Green River	U-44426	43-013-31415	338' FSL, 859' FEL	Vernal	Jonah
Balcron Monument State #12-2	Undesignated	SW NW	2	9S	17E	Duchesne	UT	Oil	Green River	ML-45555	43-013-31481	1980' FNL, 660' FWL		
Balcron Monument State #13-2	Undesignated	NW SW	2	9S	17E	Duchesne	UT	Oil	Green River	ML-45555	43-013-31482	2210' FSL, 604' FWL		
Balcron Monument State #14-2	Undesignated	SW SW	2	9S	17E	Duchesne	UT	Oil	Green River	ML-45555	43-013-31425	513' FSL, 787' FWL		
Balcron Monument State #21-2-9-17	Undesignated	NE NW	2	9S	17E	Uintah	UT	Oil	Green River	ML-45555	43-047-32703	821' FNL, 2187' FWL		
Balcron Monument State #22-2	Undesignated	SE NW	2	9S	17E	Uintah	UT	Oil	Green River	ML-45555	43-047-32610	1980' FNL, 1980' FWL		
Balcron Monument State #23-2	Undesignated	NE SW	2	9S	17E	Uintah	UT	WSW	Green River	ML-45555	43-047-32613	1980' FSL, 1980' FWL		
Balcron Monument State #24-2	Undesignated	SE SW	2	9S	17E	Uintah	UT	Oil	Green River	ML-45555	43-047-32612	660' FSL, 1980' FWL		
Balcron Monument State #32-2	Undesignated	SW NE	2	9S	17E	Uintah	UT	PND	Green River	ML-45555	43-047-32609	1980' FNL, 1980' FEL		
Balcron Monument State #34-2	Undesignated	SW SE	2	9S	17E	Uintah	UT	PND	Green River	ML-45555	43-047-32611	800' FSL, 1980' FEL		



RECEIVED  
OCT 10 1997

October 7, 1997

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



RE: Change of Operator  
Duchesne & Vernal Counties, Utah

Dear Mr. Forsman:

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

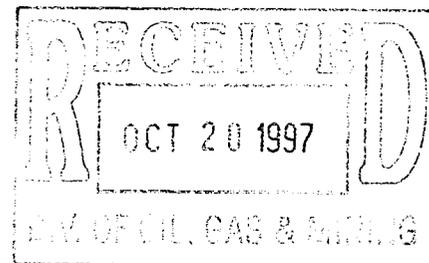
If you should have questions regarding this matter, please do not hesitate to contact me at the number listed below.

Sincerely,

INLAND PRODUCTION COMPANY

  
Patsy Barreau

/pb  
encls.



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

8. Well Name and Number:

See Attached

9. API Well Number:

See Attached

10. Field and Pool, or Wildcat:

See Attached

1. Type of Well: OIL  GAS  OTHER:

2. Name of Operator:

Inland Production Company

3. Address and Telephone Number:

475 - 17th Street, Suite 1500, Denver, CO 80202

4. Location of Well

Footages: See Attached Exhibit

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

County:

State:

RECEIVED  
OCT 13 1997

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

NOTICE OF INTENT  
(Submit in Duplicate)

- Abandon
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Multiple Completion
- Other Change of Operator
- New Construction
- Pull or Alter Casing
- Recomplete
- Reperforate
- Vent or Flare
- Water Shut-Off

Approximate date work will start \_\_\_\_\_

SUBSEQUENT REPORT  
(Submit Original Form Only)

- Abandon \*
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Other Change of Operator
- New Construction
- Pull or Alter Casing
- Reperforate
- Vent or Flare
- Water Shut-Off

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 10 1997

13.

Name & Signature:

CHRIS A. POTTER, ATTORNEY-IN-FACT

Date:

9/30/97

This space for State use only)

StateWells

Inland Change of Operator						
WELL NAME	LOCATION	COUNTY	STATE	FIELD NAME	API NUMBER	LEASE
✓ MONUMENT STATE #31-2CD	NW NE 2 9S 17E	UINTAH	UT	MONUMENT BUTTE (CD)	43-047-32563-00	ML-45555
✓ MONUMENT STATE #32-2-9-17	SWNE 2 9S 17E	UINTAH	UT	UNDESIGNATED (CD)	43-047-32737-00	ML45555
✓ MONUMENT STATE #11-2-91-17	NW NW 2 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31685-00	ML45555
✓ MONUMENT STATE #11-36Y	NW NW 368S 17E	UINTAH	UT	MONUMENT BUTTE (CD)	43-047-32764-00	ML-44555
✓ MONUMENT BUTTE STATE #12-2	SWNW 2 9S 17E	DUCHESNE	UT	UNDESIGNATED (CD)	43-013-31481-00	ML45555
✓ MONUMENT BUTTE STATE #13-2	NWSW 2 9S 17E	DUCHESNE	UT	UNDESIGNATED (CD)	43-013-31482-00	ML-45555
✓ MONUMENT BUTTE STATE #24-2	SESW 2 9S 17E	UINTAH	UT	UNDESIGNATED (CD)	43-047-32612-00	MT-45555
MONUMENT BUTTE STATE #14-2	SW SW 2 9S 17E	DUCHESNE	UT	UNDESIGNATED (CD)	43-013-31425-00	UTU45555
MONUMENT BUTTE STATE #22-2	SE NW 2 9S 17E	UINTAH	UT	UNDESIGNATED (CD)	43-047-32610-00	UTU45555
✓ MONUMENT STATE #21-2-9-17	NE NW 2 9S 17E	UINTAH	UT	UNDESIGNATED (CD)	43-047-32703-00	ML-45555



# EQUITABLE RESOURCES ENERGY COMPANY

**WESTERN REGION**

(406) 259-7860 Telephone

(406) 245-1361 Fax

December 10, 1997

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

Dear Lisha:

RE: Equitable Sale of Utah Properties

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

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

Sincerely,

Molly Conrad  
Agent for Equitable Resources  
Energy Company

/mc



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

TO: *Lisha*  
*St of Utah.*

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

Pages Attached - Including Cover Sheet *2.*

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

**DOGM SPEED LETTER**

To: Ed Bonner

From: Don Staley

School & Institutional Trust

Division of Oil, Gas & Mining

Lands Administration

Subject: Operator Change

MESSAGE

Date 1/5 19 98

Ed,

For your information, attached are copies of documents regarding an operator change on a state lease(s)

These companies have complied with our requirements. Our records have been updated. Bonding should be reviewed by your agency ASAP.

**Former Operator:** Equitable Resources Energy (N9890)

**New Operator:** Inland Production Company (N5160)

Well(s):	API:	Entity:	S-T-R:	Lease:
----------	------	---------	--------	--------

(See attached list)

cc: Operator File

Signed Don Staley

REPLY

Date \_\_\_\_\_ 19 \_\_\_\_

Signed \_\_\_\_\_

<b>Well(s):</b>	<b>API:</b>	<b>Entity:</b>	<b>S-T-R:</b>	<b>Lease:</b>
State 16-2	43-013-30552	01451	16-9S-17E	ML3453B
K Jorgenson 16-4	43-013-30572	01452	16-9S-17E	ML3453B
Monument 11-36-8-17Y	43-047-32764	12095	36-8S-17E	ML44305
Monument 24-2	43-047-32612	11736	2-9S-17E	ML45555
Monument 13-2	43-013-31482	11738	2-9S-17E	ML45555
Monument 12-2	43-013-31481	11745	2-9S-17E	ML45555
Monument 21-2-9-17	43-047-32703	11863	2-9S-17E	ML45555
Monument 31-2-9-17CD	43-047-32563	11878	2-9S-17E	ML45555
Monument 11-2-9-17CD	43-013-31685	11995	2-9S-17E	ML45555
Monument 32-2	43-047-32737	12000	2-9S-17E	ML45555
Castle Draw 8-2	43-047-32842	99999	2-9S-17E	ML45555
Castle Draw 1-2	43-047-32843	99999	2-9S-17E	ML45555
Monument 14-2	43-013-31425	11656	2-9S-17E	ML45555
Monument 22-2	43-047-32610	11742	2-9S-17E	ML45555

**OPERATOR CHANGE WORKSHEET**

1-LEC ✓	6-MEC ✓
2-GLH ✓	7-KAS ✓
3-DPS ✓	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.

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

PAGE 2 of 2

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

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

**\*CASTLE DRAW SEC. REC. UNIT**

WELL(S) attach additional page if needed:

Name: <u>STATE 16-2/GR</u>	API: <u>43-013-30552</u>	Entity: <u>1451</u>	S	<u>16</u>	T	<u>9S</u>	R	<u>17E</u>	Lease: <u>ML3453B</u>
Name: <u>K JORGENSON 16-4/GR</u>	API: <u>43-013-30572</u>	Entity: <u>1452</u>	S	<u>16</u>	T	<u>9S</u>	R	<u>17E</u>	Lease: <u>ML3453B</u>
Name: <u>MONUMENT 11-36-8-17Y/GR</u>	API: <u>43-047-32764</u>	Entity: <u>12095</u>	S	<u>36</u>	T	<u>8S</u>	R	<u>17E</u>	Lease: <u>ML44305</u>
Name: <u>*MONUMENT 24-2/GR</u>	API: <u>43-047-32612</u>	Entity: <u>11736</u>	S	<u>2</u>	T	<u>9S</u>	R	<u>17E</u>	Lease: <u>ML45555</u>
Name: <u>*MONUMENT 13-2/GR</u>	API: <u>43-013-31482</u>	Entity: <u>11738</u>	S	<u>2</u>	T	<u>9S</u>	R	<u>17E</u>	Lease: <u>ML45555</u>
Name: <u>*MONUMENT 12-2/GR</u>	API: <u>43-013-31481</u>	Entity: <u>11745</u>	S	<u>2</u>	T	<u>9S</u>	R	<u>17E</u>	Lease: <u>ML45555</u>
Name: <u>*MONUMENT 21-2-9-17/GR</u>	API: <u>43-047-32703</u>	Entity: <u>11863</u>	S	<u>2</u>	T	<u>9S</u>	R	<u>17E</u>	Lease: <u>ML45555</u>

**OPERATOR CHANGE DOCUMENTATION**

- Yec 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)
- Yec 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: \_\_\_\_\_
- N/A 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.
- Yec 5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. (12-19-97) (UIC DBASE & QUATRO 12-19-97)
- Yec 6. **Cardex** file has been updated for each well listed above. (12-19-97)
- Yec 7. Well **file labels** have been updated for each well listed above. (12-19-97)
- Yec 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. (12-19-97)
- Yec 9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for reference during routing and processing of the original documents.

**ENTITY REVIEW**

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

**BOND VERIFICATION - (FEE WELLS ONLY)** *Trust Lands (\$80,000) Surety No. 4471291 "Hartford Acc. & Ind. Co."*

- 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**

- 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.
- 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: 1.20.98.

**FILING**

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

**COMMENTS**

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

OPERATOR INLAND PRODUCTION COMPANY  
 ADDRESS \_\_\_\_\_  
 \_\_\_\_\_

OPERATOR ACCT. NO. H 5160

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	APT NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
D	11736	12275	43-047-32612	MONUMENT 24-2		2	9S	17E	UINTAH		9-30-97
WELL 1 COMMENTS: <b>*OPERATOR CHANGE FR EQUITABLE RES. EFF 9-30-97. (CASTLE DRAW SECONDARY RECOVERY UNIT) INLAND REQUESTS A COMMON ENTITY FOR WELLS WITHIN THE UNIT FOR TAX &amp; REPORTING PURPOSES.</b>											
D	11738	12275	43-013-31482	MONUMENT 13-2		2	9S	17E	DUCHESNE		9-30-97
WELL 2 COMMENTS:											
D	11745	12275	43-013-31481	MONUMENT 12-2		2	9S	17E	DUCHESNE		9-30-97
WELL 3 COMMENTS:											
D	11863	12275	43-047-32703	MONUMENT 21-2-9-17		2	9S	17E	UINTAH		9-30-97
WELL 4 COMMENTS:											
D	11878	12275	43-047-32563	MONUMENT 31-2-9-17CD		2	9S	17E	UINTAH		9-30-97
WELL 5 COMMENTS:											

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

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

L. CORDOVA (DOGM)  
 Signature  
ADMIN. ANALYST 12-19-97  
 Title Date  
 Phone No. ( )

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

1. LEASE IDENTIFICATION AND SERIAL NO.  
**ML-45555**  
2. IF INDIAN, ALIQUOT OR TRACT NAME

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

7. TRACT ASSIGNMENT NAME

17. TYPE OF COMPLETION:  
NEW WELL  WORK OVER  DRILL-  
IN  PLUG BACK  DIFF. DRILL.  Other \_\_\_\_\_

8. NAME OF LEASE NAME

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

**Balcon Mon. State**

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

9. WELL NO.  
**# 12-2**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)  
At surface **SW/NW**

10. FIELD AND POOL OR WILDCAT  
**Monument Butte**

At top prod. interval reported below **1980' FNL and 660' FWL**

11. SEC. T., R., S. OR BLOCK AND SURVEY OR ARRA

At total depth

**Sec. 2-T9S-R17E**

14. PERMIT NO. **43-013-31481** DATE ISSUED **12-19-94**

12. COUNTY OR PARISH 13. STATE

15. DATE SPUNNERED **3-15-95** 16. DATE T.D. REACHED **3-24-95** 17. DATE COMPL. (Ready to prod.) **4-13-95** 18. ELEVATIONS (DF, AKB, RT, OR, ETC.) **5097.14' GL** 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD **5800'** 21. PLUG, BACK Y.D., MD & TVD **5797'** 22. IF MULTIPLE COMPL., HOW MANY? 23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S) OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)  
**Green River 4796'-5628'** 25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS R'N **Previously submitted.** 27. WAS WELL COVERED

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT FILLED
Same as previously reported.					

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT?	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8"	5710'	

31. PERFORATION RECORD (Interval, size and number) **Added perforations:**  
CP Sand - 5570'-74'; 5590'-5600'; 5608'-18'; 5624'-28' 4 JSPF  
D Sand - 4796'-4803'; 4806'-21' 4 JSPF

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5570'-5628'	95,400# 20/40 sd in 4 1/4 Delta
4796'-4821'	120,300# 20/40 sd in 505 Delta

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut in)					
4-13-95	Pumping 2 1/2" x 1 1/2" x 16' RHAC	Producing					
DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10 Day Avg	2-98			51	10	39	.196
FLOW, TURNING POINT	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) **Sold and used for fuel** 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 Nekkie Knight TITLE Permitting Specialist DATE 3-26-98

\*(See instructions and spaces for additional data on reverse side)

Received Time Mar 4 10:28 AM

NJC  
4/99  
KSK

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

<p><b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b></p> <p>(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)</p> <p>OIL <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input checked="" type="checkbox"/> WELL <input type="checkbox"/> OTHER <input type="checkbox"/></p> <p><b>2. NAME OF OPERATOR</b> INLAND PRODUCTION COMPANY</p> <p><b>3. ADDRESS OF OPERATOR</b> 410 17TH STREET, SUITE 700, DENVER, COLORADO 80202 (303) 893-0102</p> <p><b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SW/NW 1980 FNL 0660 FWL</p> <p><b>14. API NUMBER</b> 43-013-31481</p>		<p><b>5. LEASE DESIGNATION AND SERIAL NO.</b> ML-45555</p> <p><b>6. IF INDIAN, ALLOTTEE OR TRIBAL NAME</b> N/A</p> <p><b>7. UNIT AGREEMENT NAME</b> NA</p> <p><b>8. FARM OR LEASE NAME</b> BALCRON MONUMENT STATE</p> <p><b>9. WELL NO.</b> 12-2</p> <p><b>10. FIELD AND POOL, OR WILDCAT</b> MONUMENT BUTTE</p> <p><b>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA</b> SW/NW Section 2, T09S R17E</p> <p><b>12. COUNTY OR PARISH</b> DUCHE SNE</p> <p><b>13. STATE</b> UT</p> <p><b>15. ELEVATIONS</b> (Show whether DF, RT, GR, etc.) 5097 GR</p>
--	--	---

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

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

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

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

Perf CP sds @ 5570-74', 5590-5600', 5608-18' & 5624-28'.  
Perf D sds @ 4796-4803' & 4806-21'.  
Place well on production @ 6:15 pm, 2/3/98.

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

SIGNED Shannon Smith TITLE Engineering Secretary DATE 3/26/98

(This space for Federal or State office use)

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

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

**FOR RECORD ONLY**

See Instructions On Reverse Side

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

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.  
**ML-45555**

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

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

8. Well Name and No.  
**BALCRON MONUMENT STATE 12-2**

9. API Well No.  
**43-013-31481**

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

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

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

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

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

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**1980 FNL 0660 FWL      SW/NW Section 2, T09S R17E**

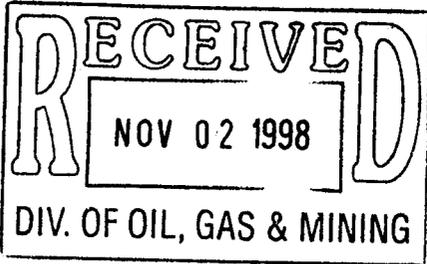
12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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

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

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

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



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

Signed 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 fraudulent statements or representations as to any matter within its jurisdiction.

# Inland Production Company Site Facility Diagram

Monument State 12-2

SW/NW Sec. 2, T9S, 17E

Duchesne County

May 12, 1998

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

**Production Phase:**

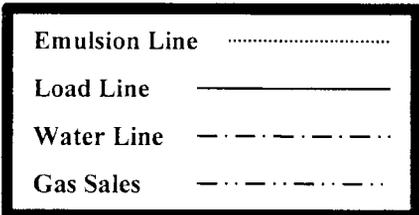
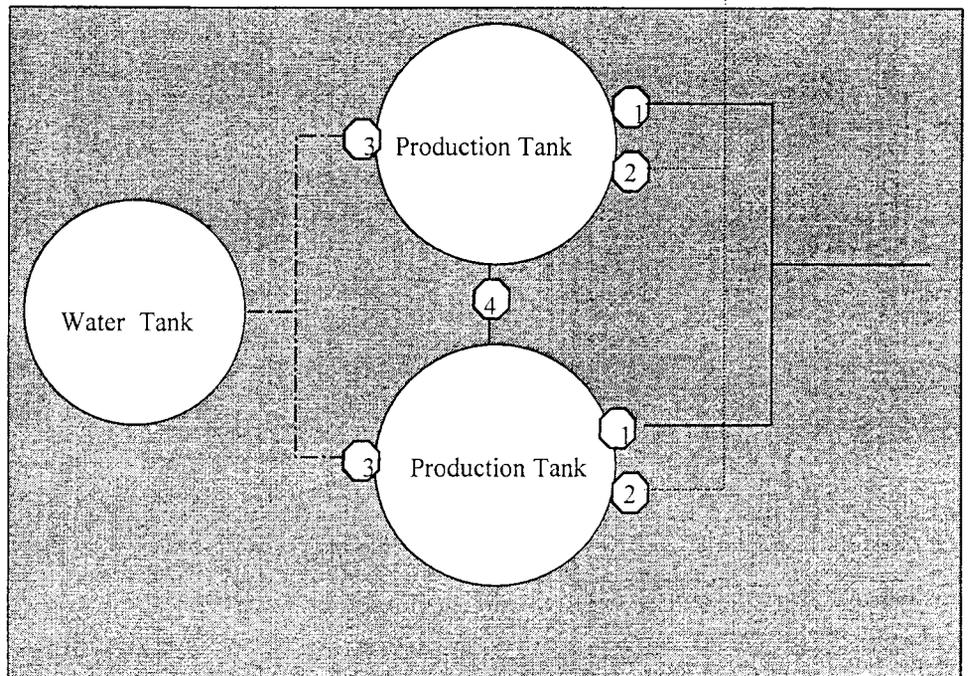
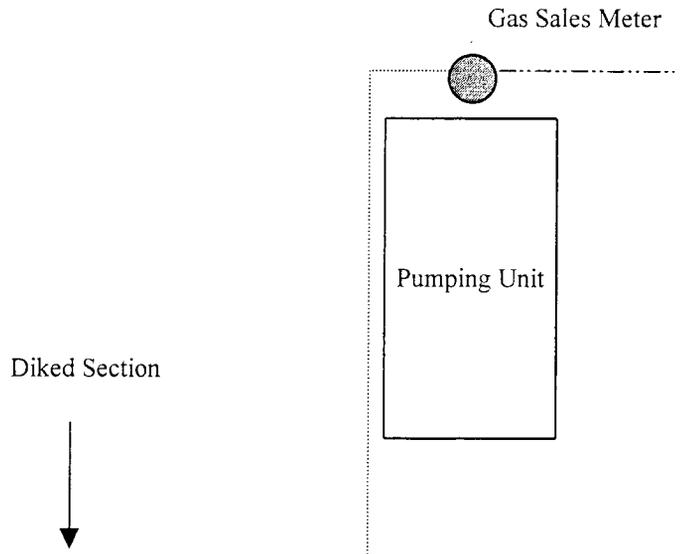
- 1) Valves 1 and 3 sealed closed
- 2) Valves 2 and 4 sealed open

**Sales Phase:**

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

**Draining Phase:**

- 1) Valve 3 open





## Office of the Secretary of State

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

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

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



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

Secretary of State

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

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

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

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

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

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

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

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

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

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

INLAND RESOURCES INC.

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



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

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

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

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

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

**DATA ENTRY:**

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

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

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

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

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

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

- 1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919
- 2. The **FORMER** operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS:**

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8

1595 Wynkoop Street  
DENVER, CO 80202-1129

Phone 800-227-8917

http://www.epa.gov/region08

Ref: 8P-W-GW

AUG 20 2007

**CERTIFIED MAIL**

**RETURN RECEIPT REQUESTED**

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

Mr. David Gerbig  
Operations Engineer  
Newfield Production Company  
1401 Seventeenth Street – Suite 1000  
Denver, CO 80202

43-013-31481  
AS 17E 2

RE: Additional Well: Castle Draw Area Permit  
UIC Permit No. UT20776-00000  
Well ID: UT20776-07540  
Monument State 12-2-9-17  
Duchesne County, Utah

Dear Mr. Gerbig:

The Newfield Production Company request to convert the former Green River Formation oil well Monument No.12-2-9-17 to an enhanced recovery injection well in the Castle Draw Area Permit is hereby authorized by the Environmental Protection Agency (EPA) under the terms and conditions of the Authorization For Additional Well.

The addition of the proposed injection well, within the exterior boundary of the Uintah & Ouray Indian Reservation, is being made under the authority of 40 CFR §144.33 (c) and terms of the Castle Draw Area Permit No. UT20776-00000, and subsequent modifications. Unless specifically mentioned in the enclosed Authorization for Additional Well, Newfield Production Company is subject to all term and conditions of the UIC Area Permit No. UT20776-00000, as modified.

Please be aware that Newfield does not have authorization to begin injection operations into the well until all Prior to Commencing Injection requirements have been submitted and evaluated by the EPA, and has received written authorization from the Director to begin injection. Please note that the Permit limits injection to the gross interval within the Green River Formation between the depths of 3761 feet and the top of the Wasatch Formation estimated to be at 6067feet.

**RECEIVED**

**SEP 05 2007**

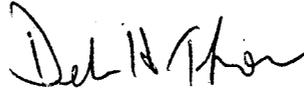
**DIV. OF OIL, GAS & MINING**

Prior to receiving authorization to inject, the EPA requires that Newfield submit for review and approval: (1) the results of a **Part 1 (Interval) mechanical integrity test (MIT)**, (2) a **pour pressure** calculation of the injection interval, (3) and a complete **EPA Form No. 7520-12** (Well Rework Record) with a new schematic diagram.

The initial Maximum Allowable Injection Pressure (MAIP) for the Monument State No. 12-2-9-17 was determined to be **1480 psig**. UIC Area Permit UT20776-00000 also provides the opportunity for the permittee to request a change in the MAIP based upon results of a step rate test that demonstrates that the formation breakdown pressure will not be exceeded.

If you have any questions, please call Mr. Bob Near at (303) 312-6278 or 1-(800)-227-8917 (Ext. 312-6278). Please submit the required data to **ATTENTION: Bob Near**, at the letterhead address, citing **MAIL CODE: 8P-W-GW** very prominently.

Sincerely,



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

Encl: Authorization For Conversion of An Additional Well  
EPA Form No. 7520-12 (Well Rework Record)

cc: Letter Only

Curtis Cesspooch, Chairman  
Uintah & Ouray Business Committee  
Ute Indian Tribe

Irene Cuch, Councilwoman  
Uintah & Ouray Business Committee  
Ute Indian Tribe

Ronald Groves, Councilman  
Uintah & Ouray Business Committee  
Ute Indian Tribe

Steven Cesspooch, Councilman  
Uintah & Ouray Business Committee  
Ute Indian Tribe

Phillip Chimburas, Councilman  
Uintah & Ouray Business Committee  
Ute Indian Tribe

Frances Poowegup, Councilwoman  
Uintah & Ouray Business Committee  
Ute Indian Tribe

Chester Mills, Superintendent  
U.S. Bureau of Indian Affairs  
Uintah & Ouray Indian Agency

All enclosures:

Michael Guinn, District Manager  
Newfield Production Company  
Myton, Utah

Shaun Chapoose, Director  
Land Use Dept.  
Ute Indian Tribe

Lynn Becker, Director  
Energy & Minerals Dept.  
Ute Indian Tribe

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

Fluid Minerals Engineering Office  
U.S. Bureau of Land Management  
Vernal, Utah

David Gerbig  
Operations Engineer  
Newfield Production Company  
1401 Seventeenth Street  
Denver, CO 80202

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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

**AUTHORIZATION FOR ADDITIONAL WELL**

**UIC Area Permit No: UT20776-00000**

The Castle Draw Final UIC Area Permit No.UT20776-00000, effective November 25, 1995, as modified, authorizes injection for the purpose of enhanced oil recovery into multiple lenticular sand units which are distributed throughout the lower portion of the Green River Formation. On October 23, 2006, the permittee provided notice to the Director concerning the following additional enhanced recovery injection well:

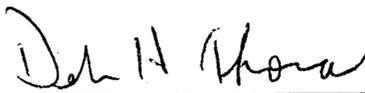
Well Name:	<b><u>Monument State No. 12-2-9-17</u></b>
EPA Well ID Number:	<b><u>UT20776-07540</u></b>
Location:	1980 ft FNL & 660 ft FWL SW NW Sec. 2 – T9S – R17E Duchesne County, Utah.

Pursuant to 40 CFR §144.33, Area UIC Permit No.UT20776-00000 authorizes the permittee to construct and operate, convert, or plug and abandon additional enhanced recovery injection wells within the area permit. This well was determined to satisfy additional well criteria required by the permit.

This well is subject to all provisions of UIC Area Permit No.UT20776-00000, as modified and as specified in the Well Specific Requirements detailed below. This Authorization shall expire one year after the Effective Date unless the permittee has converted the well to injection or submits a written request to extend this Authorization prior to the expiration date.

This Authorization is effective upon signature.

Date:     AUG 20 2007    

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

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

## WELL-SPECIFIC REQUIREMENTS

Well Name: Monument State No. 12-2-9-17

EPA Well ID Number: UT 20776-07540

**Prior to commencing injection operations, the permittee shall submit the following information and receive written Authority to Inject from the Director:**

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

**Approved Injection Zone:**

**(II. C. Condition 4)**

Injection is approved between the top of the Garden Gulch Member of the Green River Formation (3761 feet ) to the top of the Wasatch Formation, (estimated 6067 feet).

Of the four (4) sand/frac treatments conducted on the Monument State No.12-2-9-17 the minimum calculated fracture gradient (FG) is 0.86 psi/ft., a value not in accord with the lesser FG values derived from Step-Rate Tests (SRT) in Section 2 -T9S - R17E. The EPA will use the minimum Section 2 SRT fracture gradient value of 0.749 psi/ft for MAIP calculations.

**Maximum Allowable Injection Pressure (MAIP):**

**(II C. Condition 5)**

The initial MAIP is **1480 psig**, based on the following calculation:

$$\text{MAIP} = [\text{FG} - (0.433)(\text{SG})] * \text{D, where}$$

$$\text{FG} = 0.749 \text{ psi/ft} \quad \text{SG} = 1.015 \quad \text{D} = \text{4796 ft} \text{ (top perforation depth KB)}$$

$$\text{MAIP} = \text{1480 psig}$$

UIC Area Permit No. UT20776-00000 also provides the opportunity for the permittee to request a change of the MAIP based upon results of a step-rate test (SRT) that demonstrates the formation breakdown pressure will not be exceeded.

**Well Construction and Corrective Action:**

**(II. A. and B.)**

**No Corrective Action is required**

**Tubing and Packer:**

**(II. A. Condition 3)**

2-7/8" or similar size injection tubing is approved; the packer shall be set at a depth no more than 100 ft above the top perforation.

**Corrective Action for Wells in Area of Review: No Corrective Action is required.**

The following wells that penetrate the confining zone, within a 1/4 mile radius around the Monument State No. 12-2-9-17, were evaluated to determine if any corrective action is necessary to prevent fluid movement into USDW. Other than a weekly inspection of these locations for surface injectate leakage, no corrective action is required.

Well: Monument State No. 11-2	NW NW Sec. 2 - T9S - R17E
Well: Monument State No. 13-2-9-17	NW SW Sec. 2 - T9S - R17E
Well: Balcron Monument State No. 22-2	SE NW Sec. 2 - T9S - R17E
Well: Pinehurst Federal No. 3-8	SE NE Sec. 3 - T9S - R17E

Authorization for Additional Well: UIC Area Permit UT20776-00000  
Well: Monument State No. 12-2-9-17 EPA Well ID: UT20776-07540

**Demonstration of Mechanical Integrity:**

**(II. C. Condition 3)**

A successful demonstration of Part I (Internal) Mechanical Integrity using a standard Casing-Tubing pressure test is required prior to injection and at least once every five years thereafter.

**Monument State No. 12-2-9-17:** The EPA was not able to establish an effective cement barrier to significant upward movement of fluids through vertical channels adjacent to the Confining Zone (3696 feet–3761 feet). Therefore pursuant to 40 CFR 146.8 (a)(2), **the permittee shall conduct a Part II (External) Mechanical Integrity Test within a 180-day period of “Limited Authorization to Inject”.** A Part II (External) Mechanical Integrity Test shall be run at least once every five (5) years thereafter.

**Demonstration of Financial Responsibility:**

**(II. F. Condition 1)**

The applicant has demonstrated financial responsibility by an Annual Statement that has been approved by the EPA. The Plugging and Abandonment cost has been estimated by the permittee to be \$33,025

**Plugging and Abandonment:**

**(II. E. Condition 2)**

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

PLUG NO. 1: Set a cast iron bridge plug (CIBP) no more than 50 ft above the top perforation at 4796 ft (KB) with a minimum 20 ft cement plug on top of the CIBP.

PLUG NO. 2: Squeeze a cement plug on the backside of the 5-1/2” casing from 2870 feet to 3033 feet, i.e., approximately fifty (50) feet above the top of the Trona Zone (2920 feet) and the base of the Mahogany Bench (2983 feet). If pre-existing backside cement precludes cement-squeezing this interval then a minimum 200 foot balanced cement plug shall be placed inside the 5-1/2” casing from approximately 2850 feet to 3050 feet.

PLUG NO. 3: Squeeze a 100 foot cement plug on the backside of the 5-1/2” casing across the top of the Green River Formation (2302 feet) approximately 2252 feet to 2352 feet. If pre-existing backside cement precludes cement-squeezing this interval then a minimum 200 foot plug shall be placed inside the 5-1/2 casing from approximately 2200 feet to 2400 feet.

PLUG NO. 4: Set a Class "G" cement plug within the 5-1/2" casing to 323 feet and up the 5-1/2' x 8-5/8" casing annulus to the surface.

Cut off surface and 5-1/2" casing at least 4 ft below ground level and set P&A marker. Submit Sundry Notices and all necessary data as required by the EPA and other regulatory agencies.

**Reporting of Noncompliance:**

**(III E. Condition 10)**

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

**Twenty-Four Hour Noncompliance Reporting:**

**(III. E. Condition 10 (c))**

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

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

**Oil Spill and Chemical Release Reporting:**

**(III. A.)**

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

Other Noncompliance:

**(III. E. Condition 10 (d).)**

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

Other Information:

**(III. E. Condition 10 (e).)**

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

**WELL-SPECIFIC CONSIDERATIONS**

Well Name: **Monument State No. 12-2-9-17**

EPA Well ID Number: **UT20776-07540**

**Underground Sources of Drinking Water (USDWs):** USDWs in the Castle Draw Area Permit generally occur within the Uinta Formation. According to "*Base of Moderately Saline Ground Water in the Uinta Basin, Utah, State of Utah Technical Publication No. 92,*" the base of moderately saline ground water may be found at less than 200 feet below ground surface in the Monument State No. 12-2-9-17.

**http://NRWRT1.NR.STATE.UT.US:** A Stock Watering "Perfected" Water Right (**No. 47-1180**) exists along the north branch of Castle Creek Draw within a ½ mile of the Monument State No. 12-2-9-17, but otherwise there are no reservoirs, streams, domestic or agricultural water wells within a quarter (1/4) mile of the well.

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

- TDS of the Douglas Creek Member – Green River Formation water: 19,118 mg/l.  
(Analysis: (1/17/06))
- TDS of Johnson Water District Reservoir source water: < 10,000 mg/l.

The **injectate** is primarily water from the Johnson Water District Reservoir blended with produced Green River Formation water resulting in TDS of 10,506 mg/l.

**Confining Zone:** The Confining Zone, which directly overlies the Garden Gulch Member of the Green River Formation, is approximately sixty-five (65) feet of shale between the depths of 3696 feet and 3761 feet (KB).

**Injection Zone:** The Injection Zone at this well location is an approximate 2306 feet of multiple lenticular sand units interbedded with shale, marlstone and limestone from the top of the Garden Gulch Member at 3761 feet (KB) to the top of the Wasatch Formation which is estimated to be at 6067 feet (KB). Formation tops are based on correlations to the Newfield Production Federal 1-26-8-17 (UT20702-04671) Type Log.

**Well Construction:** The CBL shows **no 80%** or greater cement bond across 65 feet of the confining zone (3696 feet to 3761 feet).

**Surface Casing:** 8-5/8" casing is set at 273 ft (KB) in a 12-1/4" hole, using 160 sacks Class G cement circulated to the surface.

**Longstring Casing:** 5-1/2" casing is set at 5845 ft (KB) in a 7-7/8" ft hole secured with 572 sacks of cement. Total driller depth 5850 feet. Plugged back total depth is 5797 feet. EPA calculates top of cement at 2143 feet. Estimated CBL top of cement is 1730 feet.

**Perforations:** Top perforation: **4796 feet** (KB) - Bottom perforation: **5628 feet** (KB)

**Wells in Area of Review (AOR):** Construction and cementing records, including cement bond logs (CBL), for four (4) wells in the 1/4 mile AOR that penetrated the confining zone were reviewed. None were found have 80% or greater cement bond across the confining zone and thus may not prevent injectate movement into the USDWs. These locations will be monitored weekly for evidence of injectate fluid movement out of the injection zone to the surface. If contamination is observed at the surface, the Permittee will shut-in the well(s) immediately and inform the Director. No injection into the Monument State 12-2-9-17 will be permitted until the Permittee has resolved the non-compliance, submitted Rework Records (EPA Form no. 7520-12), a schematic diagram, and has received authority to commence injection from the Director.

Well: Monument State No. 11-2	NW NW Sec. 2 – T9S – R17E
Well: Monument State No. 13-2-9-17	NW SW Sec. 2 – T9S - R17E
Well: Balcron Monument State No.22-2	SE NW Sec. 2 – T9S - R17E
Well: Pinehurst Federal No. 3-8	SE NE Sec. 3 – T9S – R17E

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
UTAH STATE ML-45555

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
CASTLE DRAW UNIT

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

8. WELL NAME and NUMBER:  
MONUMENT ST 12-2

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301331481

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

PHONE NUMBER  
435.646.3721

10. FIELD AND POOL, OR WILDCAT:  
MONUMENT BUTTE

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 1980 FNL 660 FWL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWNW, 2, T9S, R17E

STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  09/11/2007	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: -
	<input checked="" type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

The subject well has been converted from a producing oil well to an injection well on 9/11/07. On 9/27/07 Dan Jackson with the EPA was contacted concerning the initial MIT on the above listed well. Permission was given at that time to perform the test on 10/3/07. On 10/3/07 the casing was pressured up to 1420 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not an EPA representative available to witness the test. EPA# UT20776-07540 API# 43-013-31481

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

NAME (PLEASE PRINT) Callie Ross

TITLE Production Clerk

SIGNATURE *Callie Ross*

DATE 10/12/2007

(This space for State use only)

**RECEIVED**  
**OCT 16 2007**  
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 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_ Date: 10/03/07  
 Test conducted by: Dale Giles  
 Others present: \_\_\_\_\_

Well Name: <u>Mon. State 12-2-9-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Castle Draw Unit</u>		
Location: _____	Sec: <u>2</u> T <u>9</u> N <u>(S)</u> R <u>17</u> <u>(E)</u> W	County: <u>Duchesne</u> State: <u>UT</u>
Operator: <u>Newfield production co.</u>		
Last MIT: <u>1</u> / <u>1</u>	Maximum Allowable Pressure: _____	PSIG

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

Pre-test casing/tubing annulus pressure: 0 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>560</u> psig	psig	psig
End of test pressure	<u>560</u> psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1420</u> psig	psig	psig
5 minutes	<u>1420</u> psig	psig	psig
10 minutes	<u>1420</u> psig	psig	psig
15 minutes	<u>1420</u> psig	psig	psig
20 minutes	<u>1420</u> psig	psig	psig
25 minutes	<u>1420</u> psig	psig	psig
30 minutes	<u>1420</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

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

### MECHANICAL INTEGRITY PRESSURE TEST

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

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



**MON 12-2-9-17**  
**7/1/2007 To 11/30/2007**

**9/6/2007 Day: 1****Conversion**

Leed #731 on 9/5/2007 - MIRU Leed rig #- . RU HO trk and pump 70 BW dn casing @ 250°F. RD pumping unit & unseat pump. Flush tbg & rods W/ 30 BW @ 250°F. Re-seat pump, soft joint rod string & strip off flow-T. Fill tbg W/ 5 BW. Pump 10 BW dn tbg @ 500 psi @ 1 BPM. Retrieve rod string & unseat pump. TOH W/ rod string. LD 37 plain, 14 scraped & 4 weight rods due to wear. LD pump. SIFN W/ est 115 BWTR.

**9/7/2007 Day: 2****Conversion**

Leed #731 on 9/6/2007 - Bleed well off. Stays flowing oil up annulus. RU HO trk & circ oil down flowline--fighting flowline pressure. Set flowback tank & bleed well off to it. ND wellhead & release TA @ 5560'. NU BOP. Talley, PU & TIH W/ 1 jt work string. TA won't go past where it was set. RU & RIH W/ sandline & sinker bars. Tag @ 5706' (roughly @ EOT). LD 1 jt. TOH W/ 36 jts tbg. Decision made to convert well to injection ! Run tbg back in hole. Pull back out, talley, break even collars, inspecting pins & applying Liquid O-ring to pins. 40 jts out. SIFN.

**9/8/2007 Day: 3****Conversion**

Leed #731 on 9/7/2007 - Bleed well off. Stays flowing oil up annulus. Con't TOH & talley production tbg. Break even connections, inspect pins & apply Liquid O-ring to pins. Flushed tbg 3 times on TOH due to waxxy ID. LD BHA. Found hole in jt #178, btm 30 jts have light scale on OD. TIH W/ 4 3/4" bit, 5 1/2" casing scraper & tbg to 5673'. Crimped 1 jt on TIH. LD top joint. RU HO trk to tbg & circulate 40 bbls @ 250° F. RIH W/ rods f/ derrick. TOH & LD rods on trailer. SIFN.

**9/11/2007 Day: 4****Conversion**

Leed #731 on 9/10/2007 - Bleed well off. Flowing oily wtr f/ annulus and tbg. RU & circ well W/ HO trk. TOH W/ tbg f/ 5641'. Broke odd connections, inspected pins & applied Liquid O-ring to pins. LD btm 29 jts of tbg, and bit & scraper. Reflushed waxxy tbg halfway out. MU new Weatherford 5 1/2" Arrowset 1-X pkr (W/ hardened steel slips & W.L. re-entry guides), new SN (W/ standing valve in place) and 1 jt tbg. RU HO trk & pressure test tbg to 3000 psi. Leaks off. Re-pressure to 3000 psi. Leaking off the same (no gas in jt). LD joint W/ pkr. Pressure up to 3000 psi. Can see wtr dribbling by standing valve while pressure leaks off. BO pkr & remove standing valve. Will run new in AM. SIFN.

**9/12/2007 Day: 5****Conversion**

Leed #731 on 9/11/2007 - MU & TIH W/ pkr, SN (W/ new standing valve) & 1 jt tbg. RU HO trk, fill & test to 3000 psi. Good test. Con't TIH W/ injection string. Re-torque every connection. Test tbg in several increments W/ final test holding 3000 psi for 30 minutes. Retrieve standing valve W/ overshot on sandline. ND BOP & land tbg on flange. Mix 10 gals Baker Hughes WCW 87, 5 gals X-Cide 370 & 3 gals OSW 5200 in 70 bbls fresh wtr. RU HO trk & pump dn annulus @ 90°F. PU on tbg & set pkr W/ SN @ 4709', CE @ 4713' & EOT @ 4717'. Land tbg W/ 16,000# tension. NU wellhead. Pressure test casing & pkr to 1400 psi. Held solid for 30 minutes. Leave pressure on well. RDMOSU. Well ready for MIT.

**10/4/2007 Day: 6****Conversion**

**Rigless on 10/3/2007 - On 9/27/07 Dan Jackson with the EPA was contacted concerning the initial MIT on the above listed well (MS 12-2-9-17). Permission was given at that time to perform the test on 10/3/07. On 10/3/07 the csg was pressured up to 1420 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 0 psig during the test. There was not an EPA representative available to witness the test. EPA# UT20776-07540 API# 43-013-31481**



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8  
1595 Wynkoop Street  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>

NOV 20 2007

Ref: 8P-W-GW

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Mr. Mike Guinn  
District Manager  
Newfield Production Company  
Route 3 - Box 3630  
Myton, UT 84502

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

43-013-31481  
95 17E 2

RE: 180-Day Limited Authorization to Inject  
Monument State No. 12-2-9-17  
EPA Permit No. UT20776-07540  
Uintah County, Utah

Dear Mr. Guinn:

Newfield Production Company's (Newfield) October 12, 2007 submission of **Prior to Commencing Injection** documents did contain all information required to fulfill the Environmental Protection Agency's (EPA) requirements, as cited in the Well Permit UT20776-07540. The submitted data included an EPA Well Rework Form (Form No. 7520-12), a Part I (Internal) Mechanical Integrity Test, and an injection zone pore pressure. All requirements were reviewed and approved by the EPA on November 13, 2007.

EPA is hereby authorizing injection into the Monument State No. 12-2-9-17 for a limited period of up to one hundred and eighty (180) calendar days, herein referred to as the "Limited Authorized Period". **The 180-Day "Limited Authorized Period" will commence upon the first date of enhanced recovery injection.** Permittee is responsible for notifying Robert Near, of my office, by letter within fifteen (15) working days of the date that enhanced recovery injection began. The initial maximum allowable injection pressure (MAIP) shall be 1480 psig.

**RECEIVED**

NOV 30 2007

DIV. OF OIL, GAS & MINING



Because the cement bond log submitted for this well did not show an adequate interval of 80% or greater bond index cement through the confining zone overlying the Garden Gulch Member, **the operator is required to demonstrate Part II (External) Mechanical Integrity (Part II MI) within the 180-day "Limited Authorized Period"**. Approved tests for demonstrating Part II (External) MI include a Temperature Survey, a Noise Log or Oxygen Activation Log, and Region 8 may also accept results of a Radioactive Tracer Survey under certain circumstances. The "Limited Authorized Period" allows injection for the purpose of stabilizing the injection formation pressure prior to demonstrating Part II (External) MI, which is necessary because the proposed injection zone is under-pressured due to previous oil production from the zone, and the tests rely on stable formation pressure. Results of tests shall be submitted to Robert Near. EPA written approval with authority to re-commence injection is required prior to resuming injection following the "Limited Authorized Period". A copy of current Region 8 Guidelines for conducting Part II (External) Mechanical Integrity Tests is enclosed.

Should you choose to apply for an increase to the MAIP, at any future date, a **demonstration of Part II (External) MI must be conducted in addition to the Step-Rate Test**. You must receive prior authorization from the Director in order to inject at pressures greater than the permitted MAIP during the test(s).

If you have any questions in regard to the above action, please contact Robert Near at 1-800-227-8917 (Ext. 312-6278), or 303-312-6278. Results from the Part II (External) MI Test, should be mailed directly to the **ATTENTION: ROBERT NEAR** at the letterhead address citing **MAIL CODE: 8P-W-GW** very prominently.

Sincerely,



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

encl: Guidance No 37: Demonstrating Part II Mechanical Integrity

cc: letter: Uintah & Ouray Business Committee, Ute Indian Tribe:

Curtis Cesspooch, Chairman  
Irene Cuch, Vice-Chairman  
Frances Poowegup, Councilwoman  
Shaun Chapoose, Councilman  
Steven Cesspooch, Councilman  
Phillip Chimburas, Councilman  
Ronald Groves, Councilman

Lynn Becker  
Director  
Energy & Minerals Department  
Ute Indian Tribe

Shaun Chapoose  
Director  
Land Use Dept.  
Ute Indian Tribe

Chester Mills  
Superintendent  
U.S. Bureau of Indian Affairs  
Uintah & Ouray Indian Agency

Gilbert Hunt  
Assistant Director  
State of Utah - Natural Resources  
Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office  
U.S. Bureau of Land Management  
Vernal, Utah

cc w/ enclosure: David Gerbig  
Operations Engineer  
Newfield Production Company  
Denver, CO

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
UTAH STATE ML-45555

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
CASTLE DRAW UNIT

8. WELL NAME and NUMBER:  
MONUMENT ST 12-2

9. API NUMBER:  
4301331481

10. FIELD AND POOL, OR WILDCAT:  
MONUMENT BUTTE

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR:  
NEWFIELD 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: 1980 FNL 660 FWL COUNTY: DUCHESNE  
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWNW, 2, T9S, R17E STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  <hr/> <input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  02/28/2008	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Change Status, put well on Injection
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
The above referenced well was put on injection at 2:pm on 2-28-08.  
UT 20776-07540

NAME (PLEASE PRINT) Kathy Chapman TITLE Office Manager  
SIGNATURE *Kathy Chapman* DATE 02/29/2008

(This space for State use only)

**RECEIVED**  
**MAR 03 2008**  
DIV. OF OIL, GAS & MINING

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
UTAH STATE ML-4555

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

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: CASTLE DRAW UNIT
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		8. WELL NAME and NUMBER: MONUMENT ST 12-2
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 1980 FNL 660 FWL		9. API NUMBER: 4301331481
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWNW, 2, T9S, R17E		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
		COUNTY: DUCHESNE
		STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: <u>08/07/2008</u>	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Step Rate Test
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

A step rate test was conducted on the subject well on June 27, 2008. Results from the test indicate that the fracture gradient is .754 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed to 1505 psi.

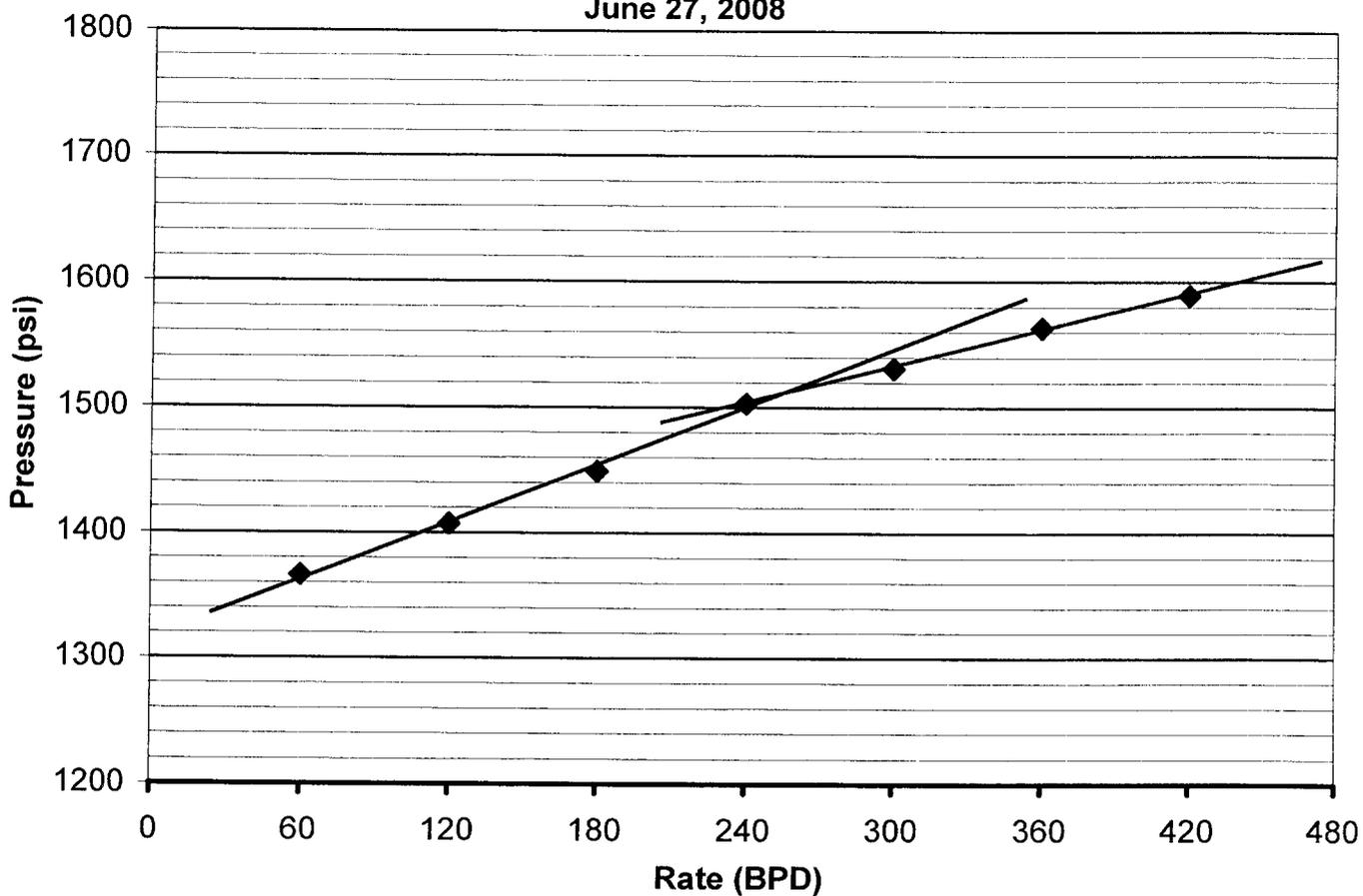
Accepted by the  
Utah Division of  
Oil, Gas and Mining  
**FOR RECORD ONLY**

NAME (PLEASE PRINT) Cheyenne Bateman TITLE Well Analyst Foreman  
SIGNATURE  DATE 08/07/2008

(This space for State use only)

**RECEIVED**  
**AUG 11 2008**  
**DIV. OF OIL, GAS & MINING**

**Monument State 12-2-9-17  
 Castle Draw Unit  
 Step Rate Test  
 June 27, 2008**



**Start Pressure:** 1332 psi  
**Instantaneous Shut In Pressure (ISIP):** 1563 psi  
**Top Perforation:** 4796 feet  
**Fracture pressure (P<sub>fp</sub>):** 1510 psi  
**FG:** 0.754 psi/ft

<b>Step</b>	<b>Rate(bpd)</b>	<b>Pressure(psi)</b>
1	60	1366
2	120	1407
3	180	1449
4	240	1503
5	300	1531
6	360	1563
7	420	1589

PSIA

Absolute Pressure



Monument State Federal 12-2-9-17  
SRT (6-27-08)

Device - PrTemp1000  
Serial Number - M75866  
Device ID - PrTemp

PSIA

2000

2000

1750

1750

1500

1500

1250

1250

1000

1000

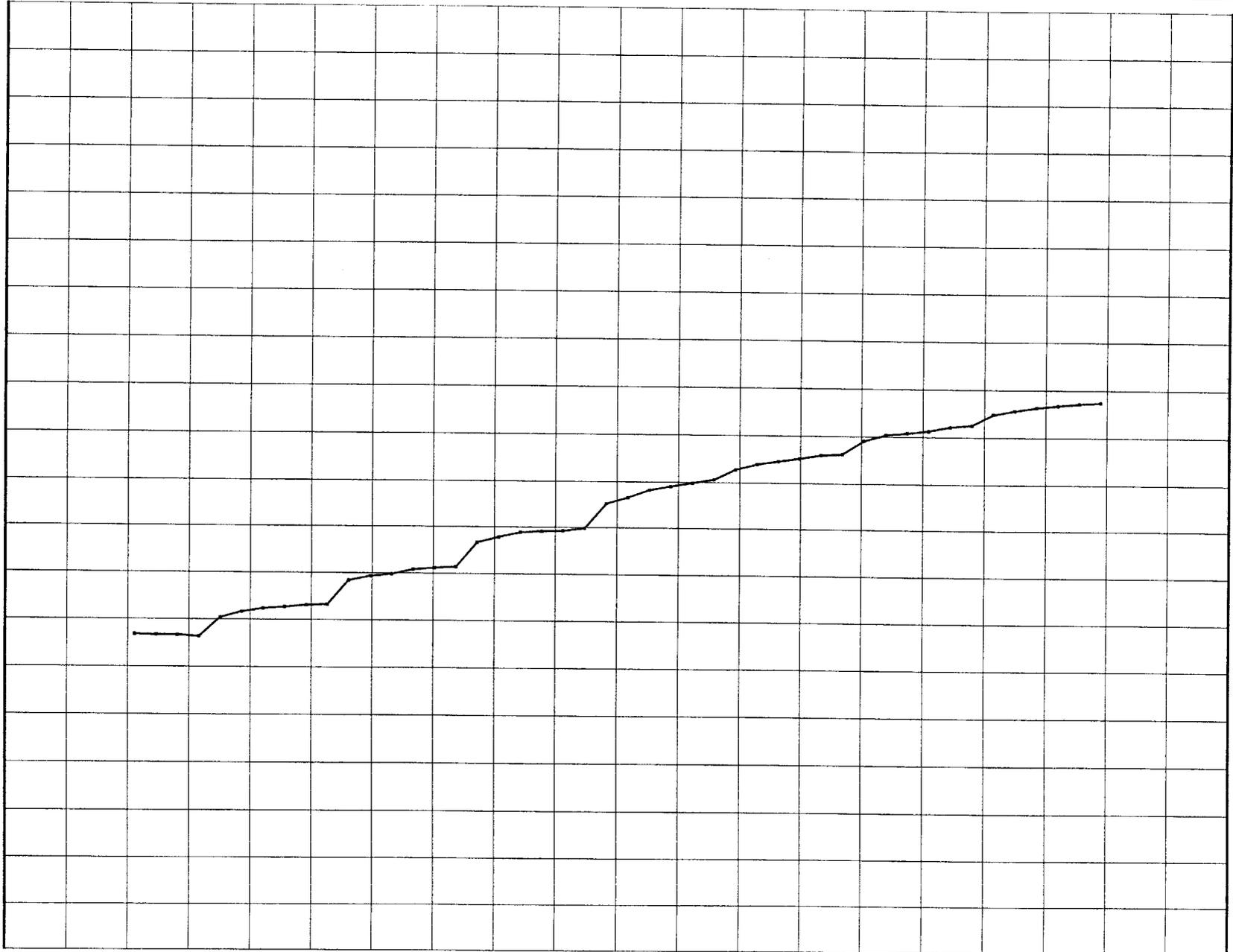
06:29:58 AM  
Jun 27, 2008  
MDT

08:52:30 AM  
Jun 27, 2008  
MDT

11:15:01 AM  
Jun 27, 2008  
MDT

01:37:33 PM  
Jun 27, 2008  
MDT

04:00:04 PM  
Jun 27, 2008  
MDT



Report Name: PrTemp1000 Data Table  
 Report Date: Jun 30, 2008 08:37:28 AM MDT  
 File Name: S:\Welinfo\PTC@ Instruments 2.00\Mon State 12-2-9-17 SRT (6-27-08).csv  
 Title: Monument State Federal 12-2-9-17 SRT (6-27-08)  
 Device: PrTemp1000 - Temperature and Pressure Recorder  
 Hardware Revision: REV2C (64K)  
 Serial Number: M75866  
 Device ID: PrTemp  
 Data Start Date: Jun 27, 2008 07:30:01 AM MDT  
 Data End Date: Jun 27, 2008 03:00:01 PM MDT  
 Reading Rate: 1 Minute  
 Readings: 1 to 46 of 46  
 Last Calibration Date: May 21, 2008  
 Next Calibration Date: May 21, 2009

<u>Reading</u>	<u>Date and Time (MDT)</u>	<u>Absolute Pressure</u>	<u>Annotation</u>
1	Jun 27, 2008 07:30:01 AM	1333.800	PSIA
2	Jun 27, 2008 07:40:01 AM	1333.400	PSIA
3	Jun 27, 2008 07:50:01 AM	1333.200	PSIA
4	Jun 27, 2008 08:00:01 AM	1331.800	PSIA
5	Jun 27, 2008 08:10:01 AM	1351.800	PSIA
6	Jun 27, 2008 08:20:00 AM	1358.000	PSIA
7	Jun 27, 2008 08:30:00 AM	1361.600	PSIA
8	Jun 27, 2008 08:40:00 AM	1363.200	PSIA
9	Jun 27, 2008 08:50:01 AM	1365.200	PSIA
10	Jun 27, 2008 09:00:01 AM	1366.200	PSIA
11	Jun 27, 2008 09:10:01 AM	1391.800	PSIA
12	Jun 27, 2008 09:20:01 AM	1396.600	PSIA
13	Jun 27, 2008 09:30:01 AM	1398.800	PSIA
14	Jun 27, 2008 09:40:01 AM	1403.800	PSIA
15	Jun 27, 2008 09:50:00 AM	1405.600	PSIA
16	Jun 27, 2008 10:00:00 AM	1407.000	PSIA
17	Jun 27, 2008 10:10:00 AM	1433.200	PSIA
18	Jun 27, 2008 10:20:01 AM	1439.400	PSIA
19	Jun 27, 2008 10:30:01 AM	1444.400	PSIA
20	Jun 27, 2008 10:40:01 AM	1445.800	PSIA
21	Jun 27, 2008 10:50:01 AM	1446.400	PSIA
22	Jun 27, 2008 11:00:01 AM	1449.400	PSIA
23	Jun 27, 2008 11:10:01 AM	1476.200	PSIA
24	Jun 27, 2008 11:20:00 AM	1482.800	PSIA
25	Jun 27, 2008 11:30:00 AM	1491.000	PSIA
26	Jun 27, 2008 11:40:00 AM	1495.200	PSIA
27	Jun 27, 2008 11:50:01 AM	1499.000	PSIA
28	Jun 27, 2008 12:00:01 PM	1503.000	PSIA
29	Jun 27, 2008 12:10:01 PM	1513.600	PSIA
30	Jun 27, 2008 12:20:01 PM	1519.600	PSIA
31	Jun 27, 2008 12:30:01 PM	1523.000	PSIA
32	Jun 27, 2008 12:40:01 PM	1526.200	PSIA
33	Jun 27, 2008 12:50:00 PM	1529.800	PSIA
34	Jun 27, 2008 01:00:00 PM	1531.200	PSIA
35	Jun 27, 2008 01:10:00 PM	1545.200	PSIA
36	Jun 27, 2008 01:20:01 PM	1551.800	PSIA
37	Jun 27, 2008 01:30:01 PM	1553.800	PSIA
38	Jun 27, 2008 01:40:01 PM	1556.200	PSIA
39	Jun 27, 2008 01:50:01 PM	1560.600	PSIA
40	Jun 27, 2008 02:00:01 PM	1562.600	PSIA
41	Jun 27, 2008 02:10:01 PM	1574.000	PSIA
42	Jun 27, 2008 02:20:00 PM	1578.000	PSIA
43	Jun 27, 2008 02:30:00 PM	1581.600	PSIA
44	Jun 27, 2008 02:40:00 PM	1583.800	PSIA
45	Jun 27, 2008 02:50:01 PM	1586.000	PSIA
46	Jun 27, 2008 03:00:01 PM	1587.200	PSIA

PSIA

Absolute Pressure



Monument State Federal 12-2-9-17  
ISI (6-27-08)

Device - PrTemp1000  
Serial Number - M75866  
Device ID - PrTemp

PSIA

1650

1600

1550

1500

1450

1400

1650

1600

1550

1500

1450

1400

02:55:00 PM  
Jun 27, 2008  
MDT

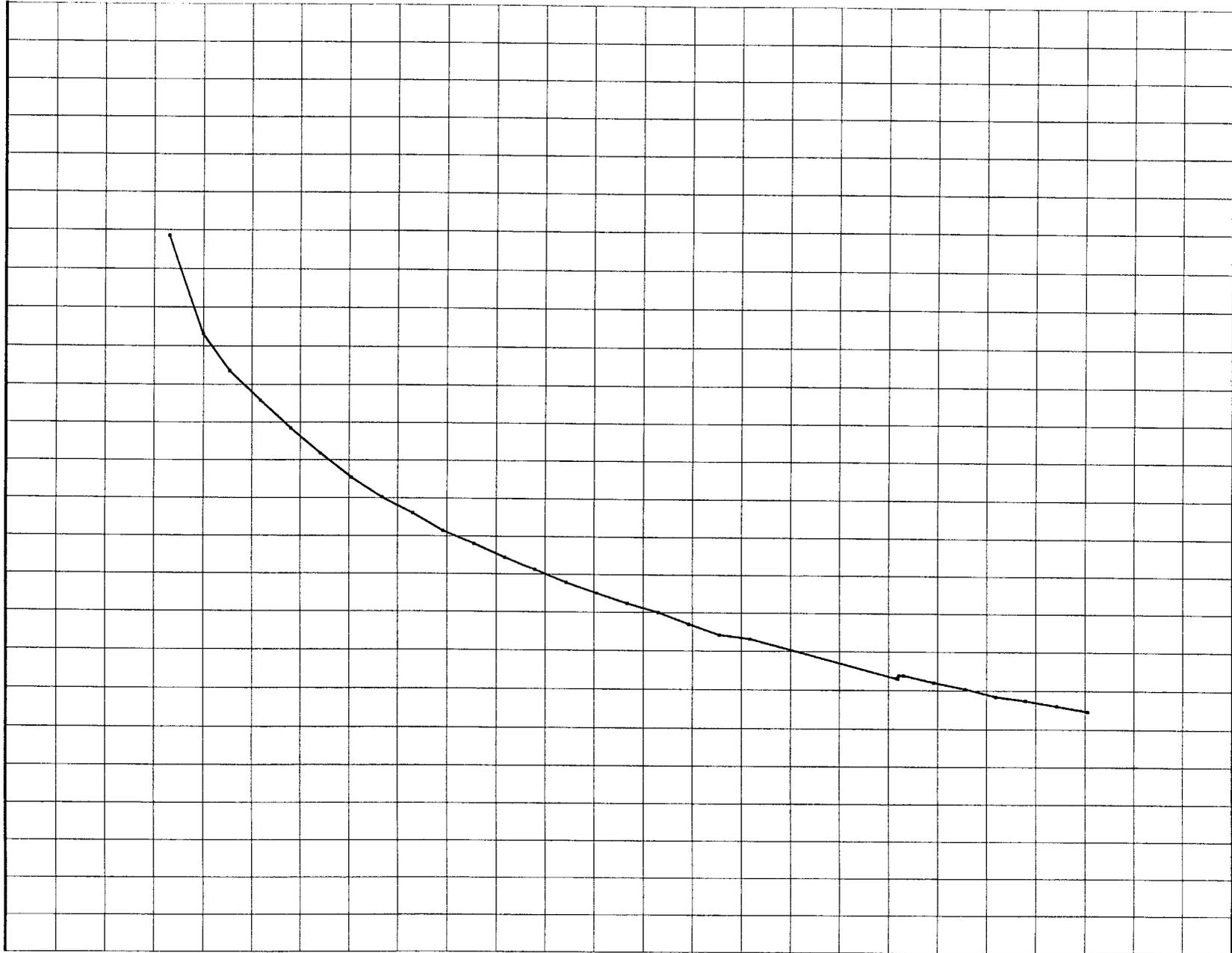
03:03:00 PM  
Jun 27, 2008  
MDT

03:11:00 PM  
Jun 27, 2008  
MDT

03:19:00 PM  
Jun 27, 2008  
MDT

03:27:00 PM  
Jun 27, 2008  
MDT

03:35:00 PM  
Jun 27, 2008  
MDT



Report Name: PrTemp1000 Data Table  
 Report Date: Jun 30, 2008 08:37:42 AM MDT  
 File Name: S:\Welin\Info\PTC@ Instruments 2.00\Mon State 12-2-9-17 ISI (6-27-08).csv  
 Title: Monument State Federal 12-2-9-17 ISI (6-27-08)  
 Device: PrTemp1000 - Temperature and Pressure Recorder  
 Hardware Revision: REV2C (64K)  
 Serial Number: M75866  
 Device ID: PrTemp  
 Data Start Date: Jun 27, 2008 03:00:17 PM MDT  
 Data End Date: Jun 27, 2008 03:30:17 PM MDT  
 Reading Rate: 1 Minute  
 Readings: 1 to 31 of 31  
 Last Calibration Date: May 21, 2008  
 Next Calibration Date: May 21, 2009

<u>Reading</u>	<u>Date and Time (MDT)</u>	<u>Absolute Pressure</u>	<u>Annotation</u>
1	Jun 27, 2008 03:00:17 PM	1588.600	PSIA
2	Jun 27, 2008 03:01:23 PM	1563.200	PSIA
3	Jun 27, 2008 03:02:16 PM	1553.600	PSIA
4	Jun 27, 2008 03:03:17 PM	1545.800	PSIA
5	Jun 27, 2008 03:04:17 PM	1538.400	PSIA
6	Jun 27, 2008 03:05:16 PM	1531.800	PSIA
7	Jun 27, 2008 03:06:16 PM	1525.400	PSIA
8	Jun 27, 2008 03:07:17 PM	1520.200	PSIA
9	Jun 27, 2008 03:08:17 PM	1516.000	PSIA
10	Jun 27, 2008 03:09:16 PM	1511.400	PSIA
11	Jun 27, 2008 03:10:17 PM	1508.000	PSIA
12	Jun 27, 2008 03:11:17 PM	1504.400	PSIA
13	Jun 27, 2008 03:12:16 PM	1501.200	PSIA
14	Jun 27, 2008 03:13:17 PM	1497.800	PSIA
15	Jun 27, 2008 03:14:17 PM	1495.000	PSIA
16	Jun 27, 2008 03:15:16 PM	1492.400	PSIA
17	Jun 27, 2008 03:16:17 PM	1490.000	PSIA
18	Jun 27, 2008 03:17:17 PM	1487.000	PSIA
19	Jun 27, 2008 03:18:16 PM	1484.200	PSIA
20	Jun 27, 2008 03:19:16 PM	1483.200	PSIA
21	Jun 27, 2008 03:24:04 PM	1473.000	PSIA
22	Jun 27, 2008 03:24:05 PM	1473.200	PSIA
23	Jun 27, 2008 03:24:06 PM	1473.000	PSIA
24	Jun 27, 2008 03:24:08 PM	1473.800	PSIA
25	Jun 27, 2008 03:24:17 PM	1473.800	PSIA
26	Jun 27, 2008 03:25:16 PM	1472.000	PSIA
27	Jun 27, 2008 03:26:17 PM	1470.400	PSIA
28	Jun 27, 2008 03:27:17 PM	1468.400	PSIA
29	Jun 27, 2008 03:28:16 PM	1467.400	PSIA
30	Jun 27, 2008 03:29:17 PM	1466.000	PSIA
31	Jun 27, 2008 03:30:17 PM	1464.600	PSIA





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8

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

**MAR 11 2009**

Ref: 8P-W-GW

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

Michael Guinn  
District Manager  
Newfield Production Company  
Route 3-Box 3630  
Myton, UT 84502

9S 17E 2

RE: Underground Injection Control (UIC)  
**Authorization to Continue Injection**  
EPA UIC Permit UT20776-07540  
Well: Monument State 12-2-9-17.  
Duchesne County, Utah  
API # 43-013-31481

Dear Mr. Guinn:

The Environmental Protection Agency (EPA) received the results from the January 28, 2009 Radioactive Tracer Survey (RTS) for the Monument State 12-2-9-17 well. EPA has determined that the test adequately demonstrated that injected fluids will remain in the authorized interval at the MAIP of 1,505 psig. The results of the RTS were reviewed and approved by EPA on March 3, 2009.

As of the date of this letter, the EPA hereby authorizes injection into the Monument State 12-2-9-17 well under the terms and conditions of EPA UIC Permit UT20776-07540 at an MAIP of 1,505 psig.

You may apply for a higher maximum allowable injection pressure at a later date. Your application should be accompanied by the interpreted results from a Step-Rate Test (SRT) that measures the formation fracture pressure and the fracture gradient at this location. A current copy of EPA Guidelines for running and interpreting a SRT will be sent upon request. Should the SRT result in approval of a higher maximum allowable injection pressure, a new demonstration must be run to show that the injected fluids will remain in the authorized injection interval at the higher pressure.

As of this approval, responsibility for Permit Compliance and Enforcement is transferred to Region 8 UIC Technical Enforcement Program office. Therefore, please direct all future

**RECEIVED**

**MAR 17 2009**

DIV. OF OIL, GAS & MINING

notification, reporting, monitoring and compliance correspondence to the following address, referencing your 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 Sarah Bahrman at 800-227-8917 (ext. 312-6243).

Sincerely,



*for* Eddie A. Sierra  
Acting Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

cc:

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

Daniel Picard  
BIA - Uintah & Ouray Indian Agency

Ferron Secakuku  
Director, Natural Resources  
Ute Indian Tribe

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

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

Fluid Minerals Engineering Office  
BLM - Vernal Office

Eric Sundberg  
Regulatory Analyst  
Newfield Production Company

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9  5. LEASE DESIGNATION AND SERIAL NUMBER: ML-45555
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	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: MONUMENT ST 12-2
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013314810000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1980 FNL 0660 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 02 Township: 09.0S Range: 17.0E Meridian: S	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE  COUNTY: DUCHESNE  STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/5/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text" value="5 YR MIT"/>

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

On 09/04/2012 Nathan Wiser with the EPA was contacted concerning the 5 year MIT on the above listed well. On 09/05/2012 the casing was pressured up to 1140 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. The tubing pressure was 1444 psig during the test. There was not an EPA representative available to witness the test. EPA# UT20776-07540

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 September 13, 2012

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 9/5/2012	

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

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

EPA Witness: \_\_\_\_\_ Date: 9 15 2012  
 Test conducted by: AUSTIN HARRISON  
 Others present: \_\_\_\_\_

Well Name: <u>MONUMENT 12-2-9-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>MONUMENT BUTTE</u>		
Location: <u>12</u> Sec: <u>2 T 9 N/S R 17 E/W</u> County: <u>Duchesne</u> State: <u>UT</u>		
Operator: <u>NEWFIELD PRODUCTION CO.</u>		
Last MIT: <u>1</u> / <u>1</u>	Maximum Allowable Pressure: <u>1505</u>	PSIG

Is this a regularly scheduled test?  Yes  No  
 Initial test for permit?  Yes  No  
 Test after well rework?  Yes  No  
 Well injecting during test?  Yes  No      If Yes, rate: 11 bpd

Pre-test casing/tubing annulus pressure: 0 psig

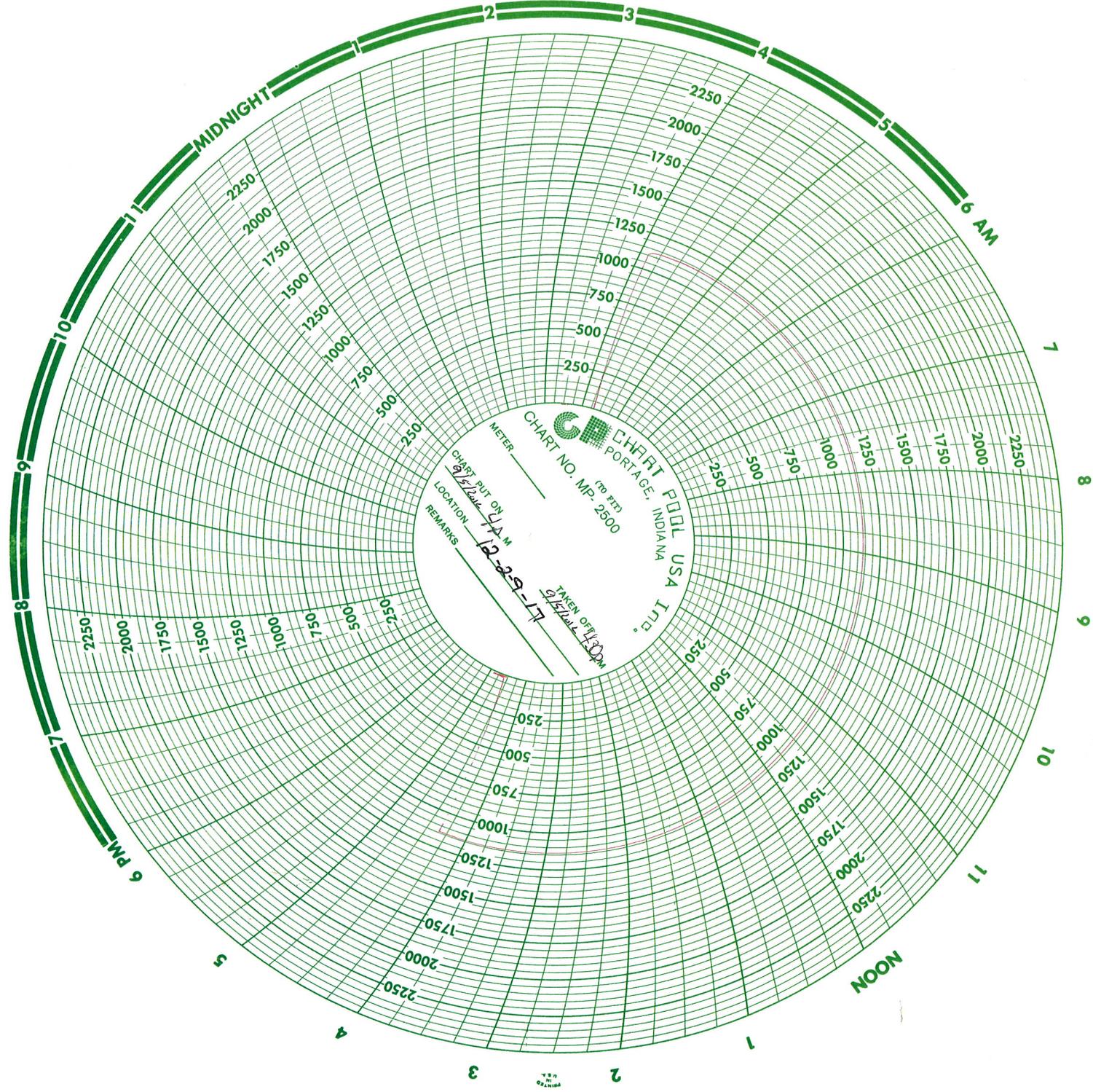
MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>1445</u> psig	psig	psig
End of test pressure	<u>1444</u> psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1140</u> psig	psig	psig
5 minutes	<u>1140</u> psig	psig	psig
10 minutes	<u>1140</u> psig	psig	psig
15 minutes	<u>1140</u> psig	psig	psig
20 minutes	<u>1140</u> psig	psig	psig
25 minutes	<u>1140</u> psig	psig	psig
30 minutes	<u>1140</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

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

### MECHANICAL INTEGRITY PRESSURE TEST

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

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



# Monument State #12-2-9-17

Spud Date: 3-15-95  
 Put on Production: 4-13-95  
 GL: 5097' KB: 5107'

Initial Production: 51 BOPD,  
 10 MCFD, 39 BWPD

Injection Wellbore  
 Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (261.55')  
 DEPTH LANDED: 272.55' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 150 sxs Class "G" cmt. est 4 bbls cmt to surf.

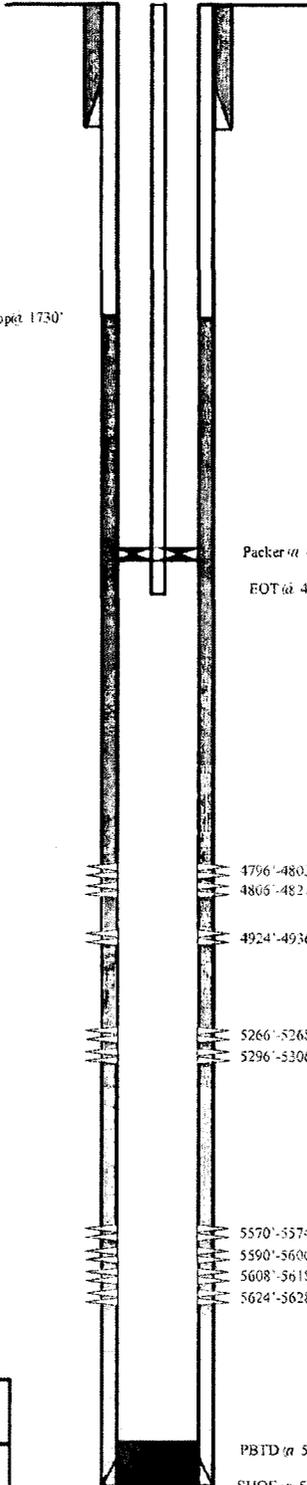
### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 140 jts. (5834.84')  
 DEPTH LANDED: 5845.48' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 252 sxs Super Class "G" + 320 sxs 50-50 POZ.  
 CEMENT TOP AT: 1730' per CBL

### TUBING

SIZE/GRADE/WT: 2 7/8" J-55 / 6.5#  
 NO. OF JOINTS: 151 jts (4698.67')  
 SEATING NIPPLE: 2 7/8" (1.10')  
 SN LANDED AT: 4708.67' KB  
 TOTAL STRING LENGTH: EOT @ 4717.17' KB

Cement top @ 1730'



### FRAC JOB

Date	Interval	Fracture Details
3-30-95	5266'-5306'	Frac zone as follows: 23,060# 20/40 sand + 41,460# 16-30 sand in 477 bbls 2% KCl frac fluid. Treated @ avg press of 2350 psi w avg rate of 31.6 BPM. ISIP 2300 psi. Calc flush: 5266 gal. Actual flush: 5263 gal.
4-03-95	4924'-4936'	Frac zone as follows: 59,020# 16-30 sand in 459 bbls 2% KCl frac fluid. Treated @ avg press of 2800 psi w avg rate of 31.8 BPM. ISIP 2480 psi. Calc flush: 4924 gal. Actual flush: 4914 gal.
1-28-98	5570'-5628'	Frac zone as follows: 95,400# 20/40 sand in 423 bbls Delta frac fluid. Treated @ avg press of 6800 psi w avg rate of 25 BPM. ISIP 2390 psi. Calc flush: 1432 gal. Actual flush: 1767 gal.
2-02-98	4796'-4821'	Frac zone as follows: 120,300# 20/40 sand in 569 bbls Delta frac fluid. Treated @ avg press of 2080 psi w avg rate of 25.5 BPM. ISIP 2476 psi. Calc flush: 4796 gal. Actual flush: 4972 gal.
6-27-03		TA Stuck. Update rod and tubing details.
7-14-03		Pump change. Update rod and tubing details.
11-29-03		Parted Rods. Update Rod detail.
04-28-06		Gyro Survey Test. Update Rod detail.
9-11-07		Well converted to an Injection well. MIT completed and submitted.

### PERFORATION RECORD

Date	Interval	Tool	Holes
3/29/95	5266'-5268'	4 JSPF	08 holes
3/29/95	5296'-5306'	4 JSPF	40 holes
4/03/95	4924'-4936'	4 JSPF	48 holes
1/27/98	5570'-5574'	4 JSPF	16 holes
1/27/98	5590'-5600'	4 JSPF	40 holes
1/27/98	5608'-5618'	4 JSPF	40 holes
1/27/98	5624'-5628'	4 JSPF	16 holes
1/30/98	4796'-4803'	4 JSPF	28 holes
1/30/98	4806'-4821'	4 JSPF	60 holes

**NEWFIELD**

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**Balcron Monument St. #12-2-9-17**

1980' FNL & 660' FWL  
 SW-NW Section 2-T9S-R17E  
 Duchesne Co, Utah  
 API #43-013-31481; Lease #ML-4555