



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

June 16, 1995

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

Gentlemen:

**RE: Balcron Monument State #21-2-9-17
NE NW Section 2, T9S, R17E
Uintah County, Utah**

Enclosed is an Application for Permit to Drill the referenced well. An archaeological survey has been ordered and the report will be sent to you upon completion.

Dan Farnsworth, our Production Supervisor for the District, will be handling the onsite inspection. He can be reached at (801) 823-6869.

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

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

Sincerely,

**Bobbie Schuman
Regulatory and
Environmental Specialist**

**/hs
Enclosure**

cc: Dan Farnsworth

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

RECEIVED
JUN 19 1995
DIV. OF OIL, GAS & MINING

Lease Designation and Serial Number: 43-45555

6. If Indian Allottee or Tribe Name: na

7. Unit Agreement Name: na

8. Lease Name: Balcron Monument State

9. Well Number: #21-2-9-17

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

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

12. County: Uintah 13. State: UTAH

1. Application for Permit to Drill or Deepen: DRILL DEEPEN

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

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)
At Surface: 821' FNL, 2187' FWL NE NW Section 2, T9S, R17E
At Proposed Producing Zone:

14. Distance in miles and direction from nearest town or post office: Approximately 15.4 west 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, RT, GR, etc.): 5,017' GL 22. Approximate date work will start: August 1, 1995

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.				

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 proposes to drill this well in accordance with the attached Drilling Program and Casing Design. Also attached are the survey plat, topo maps, geologic prognosis, cut and fill diagram, rig layout, and BOPE diagram.

24. Name & Signature: Bobbie Schuman Title: Regulatory and Environmental Specialist Date: June 16, 1995

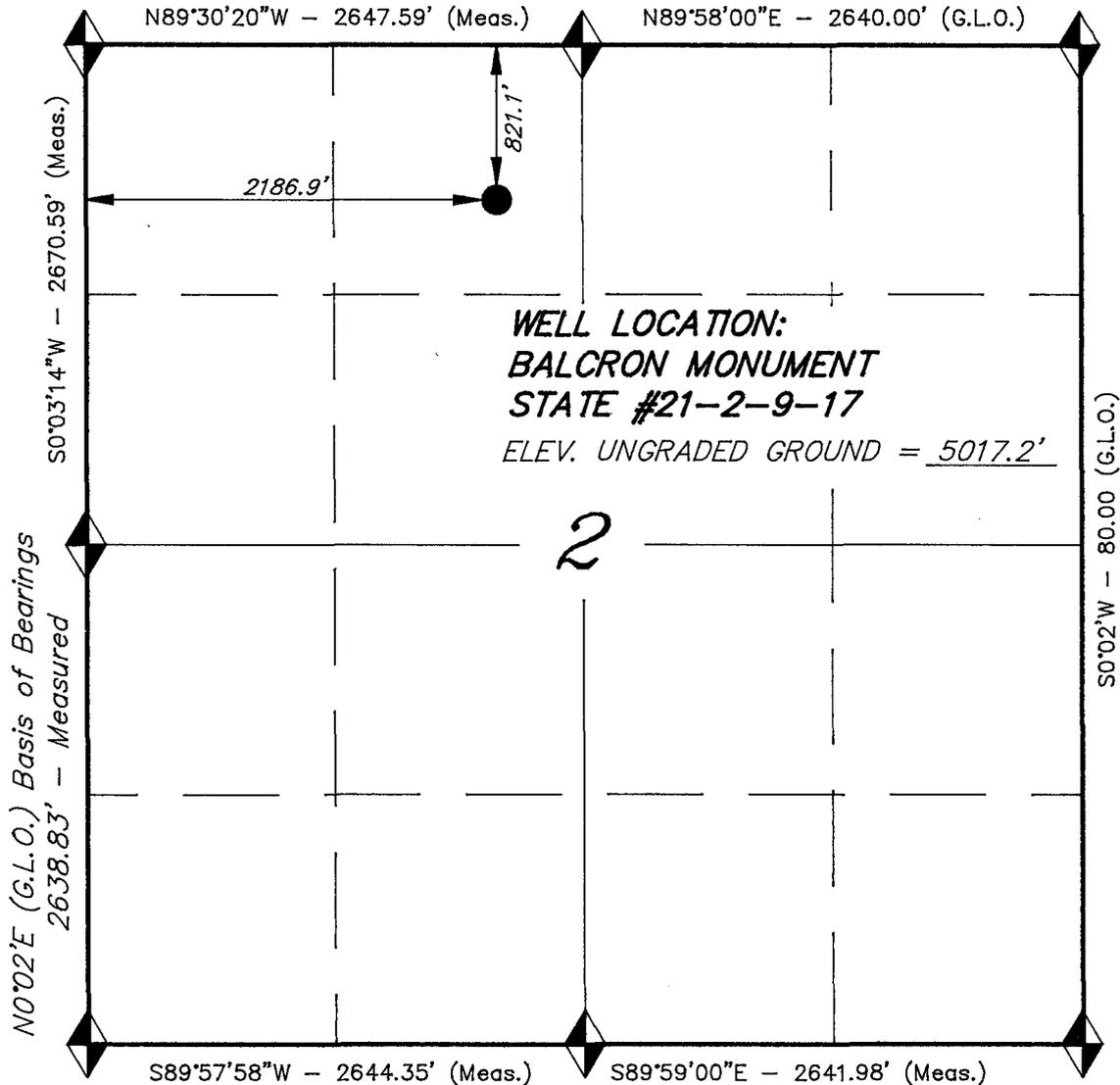
space for State use only)

API Number Assigned: 43-049-32703 Approval: [Signature] Assoc. Director
7/14/95

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

EQUITABLE RESOURCES ENERGY CO.

WELL LOCATION, BALCRON MONUMENT STATE #21-2-9-17, LOCATED AS SHOWN IN THE NE 1/4 NW 1/4 OF SECTION 2, T9S, R17E, S.L.B.&M. UINTAH COUNTY, UTAH.



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

Gene Stewart
 REGISTERED LAND SURVEYOR
 REGISTRATION No. 189877
 STATE OF UTAH

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

◆ = 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)

SCALE: 1" = 1000'	SURVEYD BY: G.S. S.S.
DATE: 5-28-95	WEATHER: COOL
NOTES:	FILE #21-2L

Onsite Participants: Dave Hackford, Dan Farnsworth of Equitable

Regional Setting/Topography: The Monument Butte area is dominated by flat questas, moderate to steeply sloped hillsides, and dry washes usually wide and flat in the bottom.

DRILLING PROGRAM:

1. Surface Formation and Estimated Tops/Geologic Markers
- | | |
|-------------|--------------|
| Uinta | 0 - 1468' |
| Green River | 1468 - 5850' |
- For detail see drilling prognosis

2. Estimated Depths of Anticipated Water, Oil, Gas or other Mineral Bearing Zones

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
Oil/Gas		
Oil	Green River	4210 - 5595'
Water		
Other		

All fresh water sands encountered during drilling shall be recorded and reported to the Division on Form 7.

3. Well Control Equipment & Testing Procedures
- A double ram hydraulic unit with a closing unit tested to 3000 PSI and actuated daily to assure operation of the BOP.

4. Proposed Casing and Cementing Program

<u>Hole Size</u>	<u>Casing</u>	<u>Weight</u>	<u>Depth</u>	<u>Cement</u>
12 1/4	8 5/8	24 #	260	150 sx G +2% CaCl
7 7/8	5 1/2	15.5#	6500	250 sx Hilift with 400 sx 50-50 Poz. as calculated from logs.

5. Mud Program and Circulating Medium - include mud components and weights, when drilling with air also include length and location of blooie line
- Air mist 0 - 260'
- Air/Air Mist/KCl water casing shoe to T.D.

6. Coring, Logging, and Testing Program
- No cores will be taken. No drill stem tests will be conducted. Logs will consist of the following:
- DLL surface casing to T.D.
- LDT/CNL from 2800 - T.D.

7. Abnormal Conditions, Bottom Hole Pressures and Potential Hazards, also list anticipated lost circulation zones, abnormal temperature zones and possible hydrogen sulfide bearing zones
None of the above are expected. No pressures above 2150 PSI are expected.

SURFACE USE PLAN:

Current Surface Use: Livestock and Wildlife grazing.

Proposed Surface Disturbance: A location and reserve pit that measures 275' X 200'.

1. Existing Roads
There are 15.7 miles of roads from Myton Utah south to the Balcron State 22-2.
2. Planned Access Roads - include length of new road, length of existing road to be upgraded, maximum disturbed and travel surface widths, maximum grades, turnouts, surface materials, drainage, cattleguards
The new access road will be .3 miles of upgraded road from the Balcron State 22-2. It will be a maximum of 30 feet wide with an 18' wide running surface. No grade will exceed 8%.
3. Location of existing wells within one-mile radius of proposed location, include water, injection, producing, drilling with present status of each well
See the plat labeled Exhibit "B" attached to the ADP.
4. Location of Production Facilities and Pipelines
A Sundry notice will be supplied upon completion of the well as producer.
5. Location and Type of Water Supply (include Division of Water Rights approval or identifying number)
Water will be purchased from Joe Shields private well
6. Source of Construction Material
Cut and Fill will be balanced in the location. No additional will be required.
7. Waste Management Plan
See part 7 Methods for Handling Waste Disposal, of the Surface Use Plan included as part of the APD.
8. Ancillary Facilities
There will be none.

9. Well Site Layout
See the Plat labeled Plat #2
10. Surface Restoration Plans
See part 10 of the Surface Use Plan submitted with the APD.

ENVIRONMENTAL PARAMETERS:

Affected Floodplain and/or Wetlands:

Is a 404 dredge and fill permit required? (Any activity which will change the bottom elevation of the "waters of the United States" including wetlands, natural and artificially created waters, and even some drainages may require a permit from the Army Corps of Engineers) None

Flora/Fauna:

Briefly describe the flora found on the proposed site and the fauna evidenced or sighted on or near the proposed location _____

Rabbit brush, Indian rice grass, primrose, prickley pear cactus, antelope, lizards, rodents (native), hawks and other raptors

SURFACE GEOLOGY

Soil Type and Characteristics: Light brown sandy clay.

Surface Formation & Characteristics: Uintah formation
South flank Uintah Mountains.

Erosion/Sedimentation/Stability: None

Paleontological Potential Observed: None

RESERVE PIT

Characteristics: Pit will be rectangular in shape
with demnsions of 100' X 75' X 8'.

Lining (Site ranking form attached): A 12 mil liner will
be required.

OTHER OBSERVATIONS

Cultural Resources/Archaeology (if proposed location is on State land, has an archaeology clearance been obtained?): _____
This survey has been ordered and will be submitted when
completed.

Comments: Pre-site was performed on the hottest day of the year

DAVID HACKFORD
OGM Representative

7/5/95 12: PM
Date and Time

STATEMENTS OF BASIS

OGM Review of Application for Permit to Drill (APD)

ENGINEERING/LOCATING and SITING:

THE PROPOSED LOCATION MEETS THE LOCATING AND SITING REQUIREMENTS OF R649-3-3. THE PROPOSED CASING, CEMENTING, AND DRILLING PLAN APPEAR TO BE CONSISTENT WITH ACCEPTED INDUSTRY STANDARDS. A CASING DESIGN SAFETY CHECK IS ATTACHED. BLOW OUT PREVENTION MONITORING AND CONTINGENCY PLANS ARE ADEQUATE.

Signature F. R. MATTHEWS Date 7/7/95

GEOLOGY/GROUND WATER:

The surface geology of the area consists of weathered Uinta Formation. Water may be encountered throughout the the Uinta and Green River Formations. The proposed casing and cement program will adequately protect any underground source of drinking water.

Signature D. Jarvis Date 7-12-95

SURFACE:

THE PRE-SITE INVESTIGATION OF THE SURFACE HAS BEEN PERFORMED BY FIELD PERSONNEL. THE PROPOSED PLAN FOR CONSTRUCTION OF THE LOCATION APPEARS TO BE ENVIRONMENTALLY SOUND AND IN ACCORDANCE WITH STANDARD GUIDELINES.

Signature DAVID W. HACKFORD Date 7/5/95

STIPULATIONS for APD Approval:

1. THE RESERVE PIT WILL BE LINED WITH A 12 MIL MINIMUM THICKNESS LINER.

ATTACHMENTS:

PICTURES ARE AVAILABLE

<p>Distance to Groundwater (feet)</p> <p>>200 100 to 200 75 to 100 25 to 75 <25 or recharge area</p>	<p>0 5 10 15 20</p>	<p>0</p>
<p>Distance to Surf. Water (feet)</p> <p>>1000 300 to 1000 200 to 300 100 to 200 < 100</p>	<p>0 2 10 15 20</p>	<p>0</p>
<p>Distance to Nearest Municipal Well (feet)</p> <p>>5280 1320 to 5280 500 to 1320 <500</p>	<p>0 5 10 20</p>	<p>0</p>
<p>Distance to Other Wells (feet)</p> <p>>1320 300 to 1320 <300</p>	<p>0 10 20</p>	<p>10</p>
<p>Native Soil Type</p> <p>Low permeability Mod. permeability High permeability</p>	<p>0 10 20</p>	<p>10</p>
<p>Fluid Type</p> <p>Air/mist Fresh Water TDS >5000 and <10000 TDS >10000 or Oil Base Mud</p> <p>Fluid containing significant levels of hazardous constituents</p>	<p>0 5 10 15 20</p>	<p>5</p>
<p>Drill Cuttings</p> <p>Normal Rock Salt or detrimental</p>	<p>0 10</p>	<p>0</p>

Annual Precipitation (inches) <10 10 to 20 >20	0 5 10	0
Affected Populations <10 10 to 30 30 to 50 >50	0 6 8 10	0
Presence of Nearby Utility Conduits Not Present Unknown Present	0 10 15	0
Final Score		25

The summation of all of the above ranking scores will yield one value which shall be used to determine the appropriate type of containment, on a case-by-case basis. The sensitivity levels are as follows:

- Level I Sensitivity: For scores totaling ≥ 20
- Level II Sensitivity: For scores totaling 15 to 19
- Level III Sensitivity: For scores totaling < 15

Containment Requirements According to Sensitivity Level

- Level I: Requires total containment by synthetic liner, concrete structure or other type of total containment structure or material.
- Level II: Bentonite or other compatible lining is discretionary depending on the fluid to be contained and environmental sensitivity.
- Level III: No specific lining requirements.

OTHER GUIDELINES FOR PITS

1. Unlined pits shall not be constructed on areas of fill materials.
2. A pit shall not be constructed in a drainages or floodplain of flowing or intermittent streams.
3. Synthetic liners used for lining reserve pits, shall be of 12 mil thickness or greater and shall be compatible with the fluid to be contained. Synthetic liners used for lining onsite pits with a longer expected life shall be a minimum of 30 mil thickness or as approved by the Division.
4. Synthetic liners shall be installed over smooth fill material which is free of pockets, loose rocks or other materials which could damage the liner.
5. Monitoring systems for pits or closed mud systems may be required for drilling in sensitive areas.

BALCRON OIL CO.

Operator: BALCRON OIL	Well Name: #21-2-9-17
Project ID:	Location: Uintah/Utah

Design Parameters:

Mud weight (9.00 ppg) : 0.468 psi/ft
 Shut in surface pressure : 2150 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		
	Collapse Load (psi)	Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load (kips)	Strgth (kips)	S.F.
1	2735	4040	1.477	2735	4810	1.76	90.68	222	2.45 J

Prepared by : McCoskery, Billings, MT

Date : 06-16-1995

Remarks :

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

The mud gradient and bottom hole pressures (for burst) are 0.468 psi/ft and 2,735 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)



**EQUITABLE RESOURCES
ENERGY COMPANY**
BALCRON OIL DIVISION

DRILLING PROGRAM

WELL NAME: Balcron Monument State #21-2-9-17
PROSPECT/FIELD: Monument Butte
LOCATION: NE NW Section 2 Twn. 9S Rge. 17E
COUNTY: Uintah
STATE: Utah

DATE: 6-15-95

TOTAL DEPTH: 5850'

HOLE SIZE INTERVAL

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

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

CEMENT PROGRAM

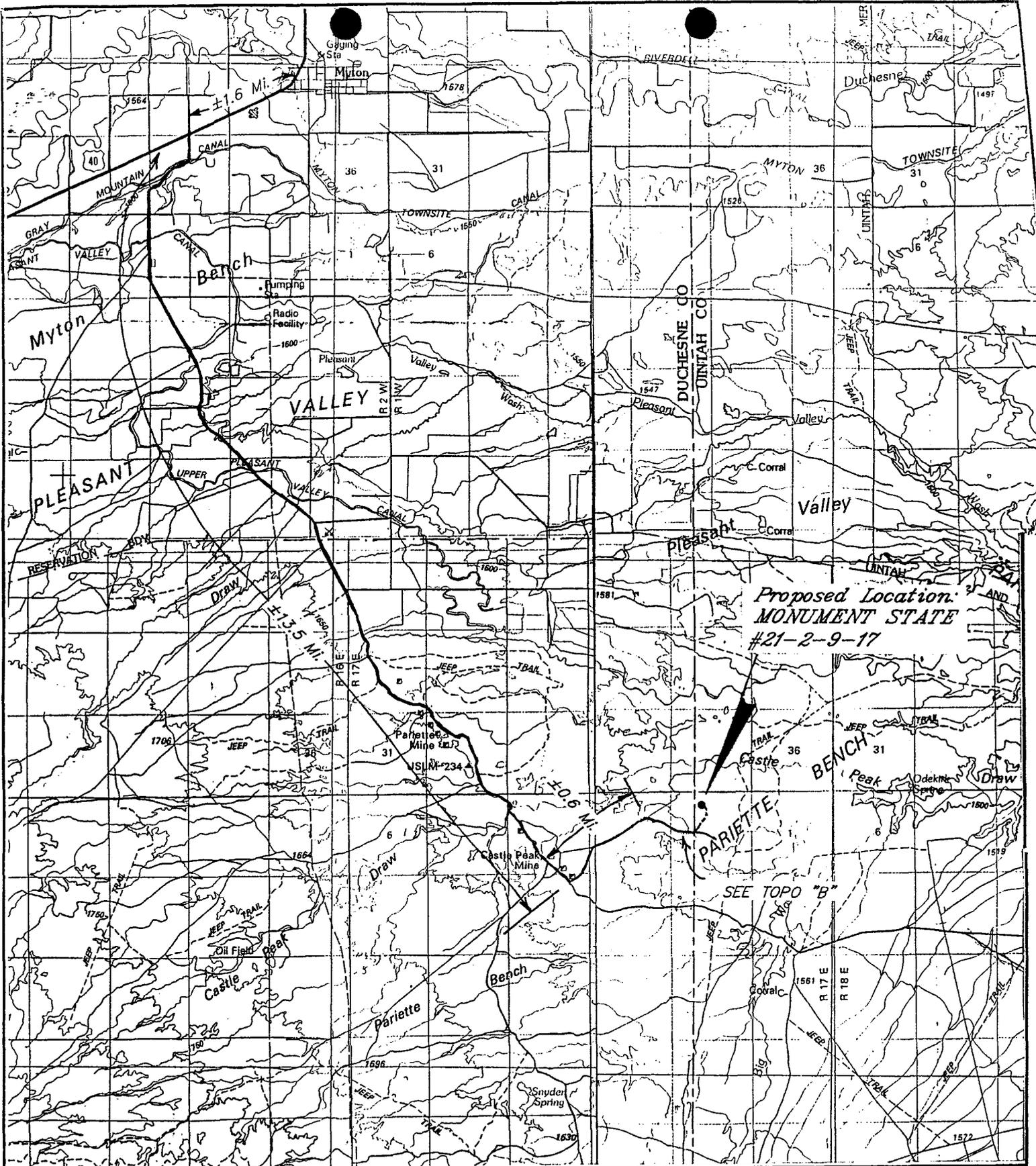
Surface Casing 150 sacks class "G" with 2% CaCl and 1/4 lb/sack Flocele. (Cement will be circulated to surf.)
Production Casing 250 sacks Thrifty Lite and 400 sacks 50-50 Poz. (Actual cement volumes will be calculated from caliper log with cement top at 2000')

**PRELIMINARY
DRILLING FLUID PROGRAM**

TYPE	FROM	TO	WEIGHT	PLAS. VIS	YIELD POINT
Air and Air Mist	0	260'	N.A.	N.A.	N.A.
Air/Airmist/KCl wtr	260'	5850'	8.7-8.9	N.A.	N.A.

COMMENTS

1.) No Cores or DSTs are planned for this well.



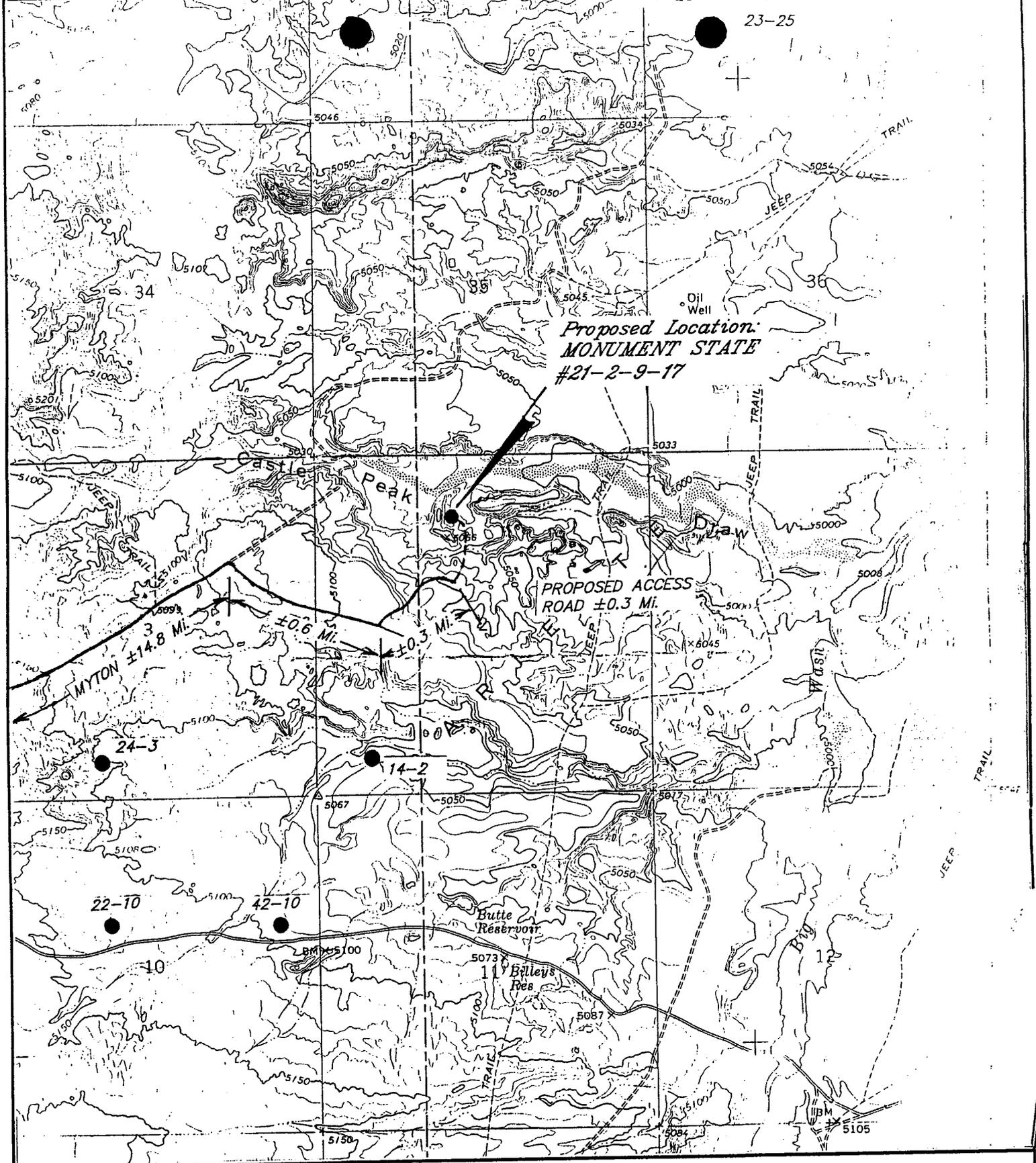
EQUITABLE RESOURCES CO.

MONUMENT STATE #21-2-9-17
 SEC. 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.

MONUMENT STATE #21-2-9-17
 SEC. 2, T9S, R17E, S.L.B.&M.
 TOPO "B"

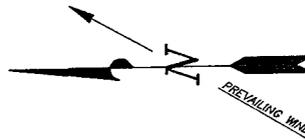
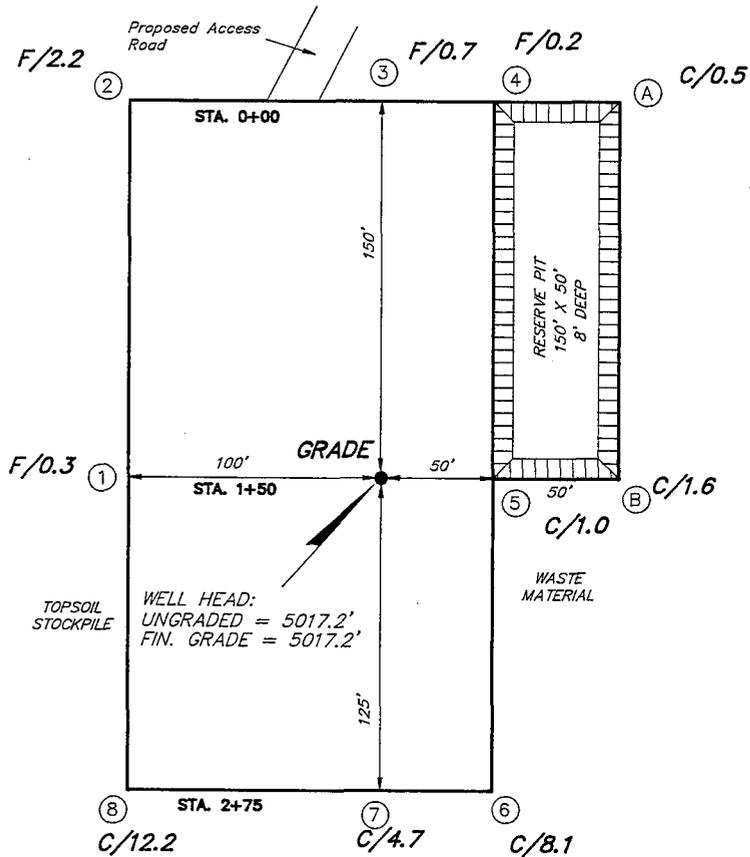


SCALE: 1" = 2000'

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

EQUITABLE RESOURCES ENERGY CO.

MONUMENT STATE #21-2-9-17
SECTION 2, T9S, R17E, S.L.B.&M.



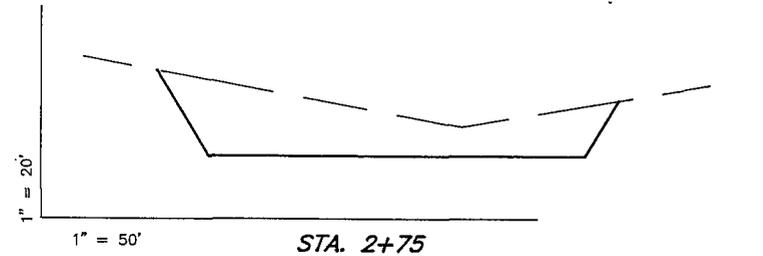
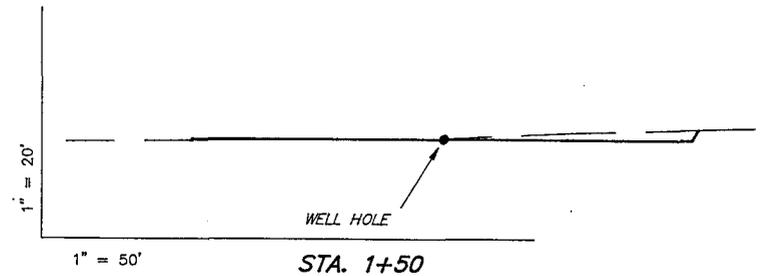
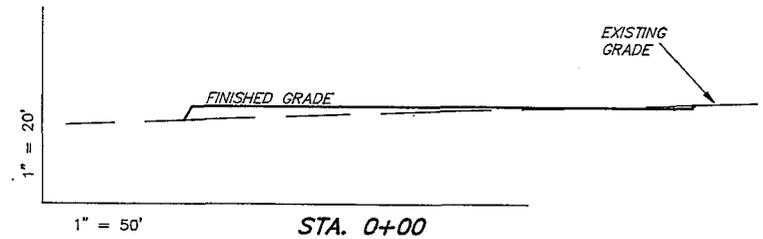
SCALE: 1" = 50'

REFERENCE POINTS

190' EAST 5017.5'
215' EAST 5018.1'

APPROXIMATE YARDAGES

CUT = 2867 Cu. Yds.
FILL = 586 Cu. Yds.
PIT = 2,710 Cu. Yds.
6" TOPSOIL = 910 Cu. Yds.



SURVEYED BY: G.S. D.A.

DRAWN BY: S.S.

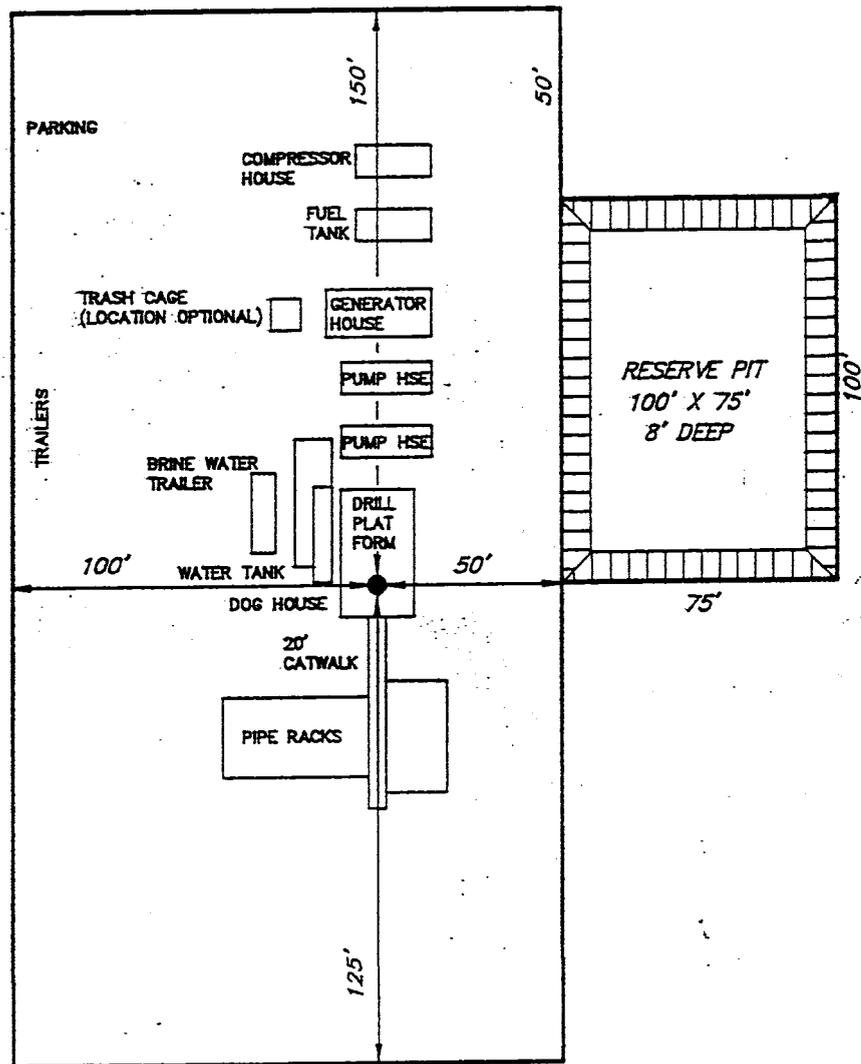
DATE: 5-28-95

SCALE: 1" = 50'

FILE: 21-2C

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

PLAT #2
RIG LAYOUT
MONUMENT FEDERAL #21-2-9-17



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

UNION DRILLING RIG #17

Hex Kelly -

ROTATING HEAD

ADJ. CHOKE

AIR BOWL

7" FLOWLINE

#3000
BLIND RAM-PIPE RAM

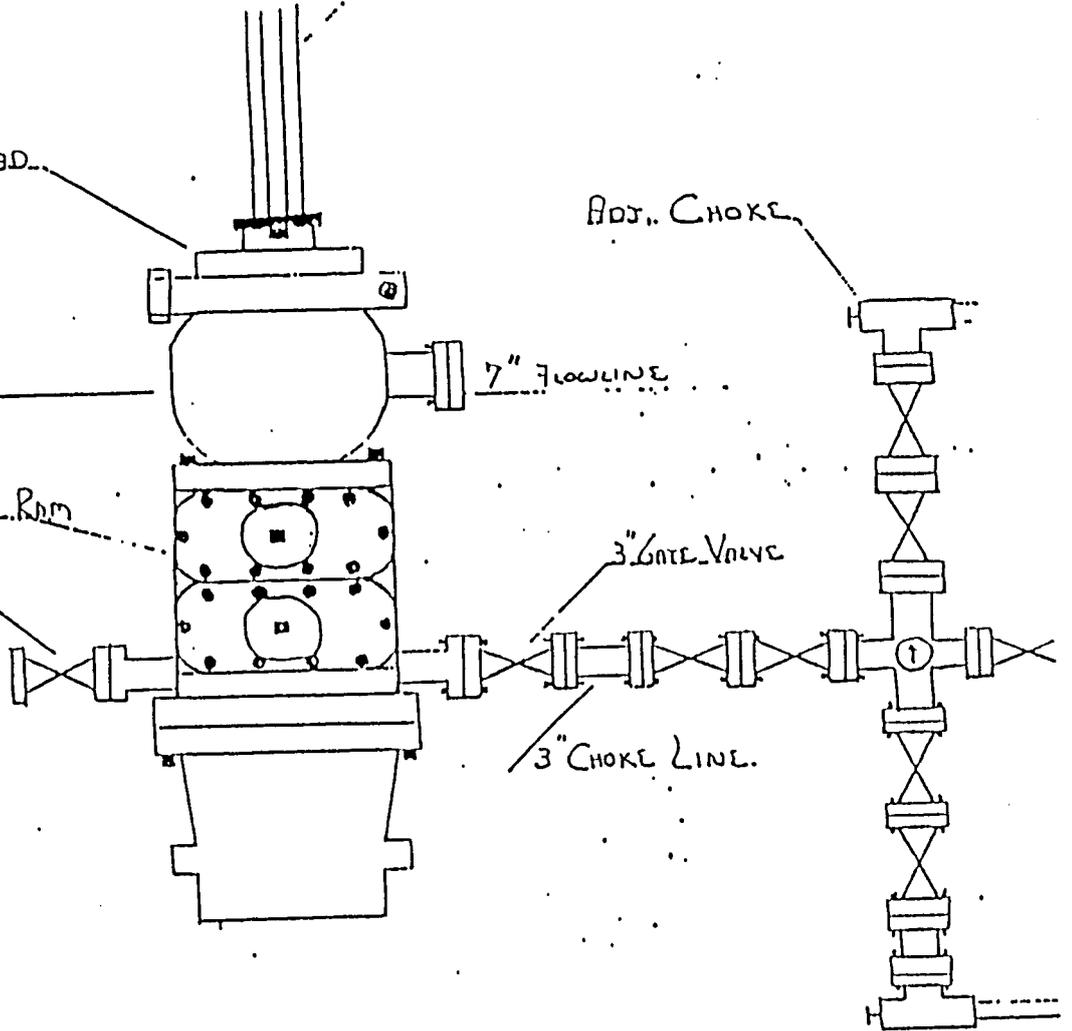
3" GATE VALVE

3" GATE VALVE

3" CHOKE LINE

ADJ. CHOKE

#3000 STACK



SURFACE USE PROGRAM

EQUITABLE RESOURCES ENERGY COMPANY
Balcron Oil Division
Balcron Monument State #21-2-9-17
NE NW Section 2, T9S, R17E
Uintah County, Utah

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

1. EXISTING ROADS:

- a. From Myton, Utah, take Highway #40 west out of town 1.6 miles to the Sand Wash road. Go south on the Sand Wash road for approximately 13.5 miles to a road intersection. Turn left and continue 1.3 miles to a road intersection. Turn right and continue 0.6 miles to a road intersection. Turn left and proceed 0.3 mile to the existing Balcron State #22-2. Follow flags 0.3 mile to the proposed location.
- b. Existing roadways need no improvements for these drilling operations.
- c. All existing roads used by these drilling operations will be maintained in the same or better condition as were existing prior to entry.
- d. See Application for Permit to Drill (APD) for Maps A and B for access route.

2. PLANNED ACCESS ROADS: See APD Maps A & B

- a. Length: Approximately 0.3 miles of new access road will be required.
- b. Width: Maximum 30' overall right-of-way with an 18' running surface.
- c. Maximum grade: < 8%
- d. Turnouts: None

- e. Drainage design: Low water crossing if necessary.
- f. No culverts or bridges are necessary.
- g. Surface materials: Any surface materials which are required will be native materials from the location and/or access site.
- h. No gates, cattleguards, or fence cuts and/or modifications to existing facilities will be required.
- i. All travel will be confined to location and access routes.
- k. Federal right-of-way across Federal lands has been approved.

3. LOCATION OF EXISTING WELLS:

See APD Map C.

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

Upon completion, a sundry notice and plat showing exact production facilities will be submitted.

5. LOCATION AND TYPE OF WATER SUPPLY:

- a. The drilling water source will be obtained from a private source owned by Joe Shields.
- b. The drilling water will be hauled by truck to the location site.

6. CONSTRUCTION ROAD/LOCATION MATERIALS:

- a. Any construction materials which are required will be native materials from the location and/or access site.
- b. All construction materials for this location site and access road shall be borrowed material accumulated during the construction of the site and road. No additional construction material from other sources is anticipated at this time. If additional construction material is needed, it will be from an approved source.

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

7. METHODS FOR HANDLING WASTE MATERIALS AND DISPOSAL:

a. Garbage will be stored in a dumpster and disposed of according to local and state regulations, at an approved facility. Disposal will not be allowed on location. No trash will be disposed of in the reserve pit.

b. Fluids produced during the completion operation will be collected in test tanks. Any spills of oil, gas, salt water or other noxious fluids will be cleaned up and hauled to an approved disposal site. Burning will not be allowed.

c. The reserve pit will be lined. If a plastic nylon reinforced liner is used, it will be torn and perforated before backfilling of the reserve pit.

d. Saltwater or testing tanks will be located and/or diked so that any spilled fluids will flow into the reserve pit. Saltwater tanks will not be placed on topsoil stockpiles.

e. Any produced water will be contained on site for a period not to exceed 90 days.

f. Sewage will be disposed of according to county and state requirements. Sealed chemical portable toilets will be on location during these drilling operations. Waste and chemicals will not be disposed of on location.

g. Cuttings will be deposited in the reserve pit.

8. ANCILLARY FACILITIES:

None anticipated.

9. LOCATION SITE LAYOUT:

a. See APD for the proposed location site and elevation plat.

b. See APD for the drill pad layout, showing elevations, orientation, and access to the pad.

- c. See APD for the drilling rig facilities layout. No permanent living facilities are planned. There will be two or three trailers on location during drilling operations.
- d. The reserve pit and the blooie pit will be constructed as a combination pit capable of holding 12,000 bbls of fluid. The size of the pit will be approximately equivalent to four times the TD hole volume. The blooie pit might be used for testing, but only after the drilling is completed and the drilling equipment and personnel are off the location.
- e. The reserve pit will be located on the South side of the location.
- f. If needed, flare pit will be located downwind of the prevailing wind directions a minimum of 100' from the wellhead and 30' from the reserve pit fence.
- g. Stockpiled topsoil (first 6 inches) will be stored on the North side between corners 1 and 8.
- h. Access to the wellpad will be from the East near corner #3.
- i. All pits will be fenced.

10. PLANS FOR RECLAMATION OF LOCATION SITE:

Producing location:

- a. Immediately upon well completion, the location and surrounding areas will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.
- b. Immediately upon well completion, any hydrocarbons in the pit will be removed.
- c. A plastic nylon reinforced liner will be used, and it will be torn and perforated before backfilling of the reserve pit.
- d. The reserve pit and that portion of the location not needed for production facilities or operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 120 days from the date of well completion.

14. CERTIFICATION:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that any statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Equitable Resources Energy Company's Balcron Oil Division and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

June 21, 1995
Date

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

/rs



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

June 21, 1995

Mr. Mike Hebertson
State of Utah
Division of Oil, Gas and Mining
355 West North Temple
Salt Lake City, UT 84180

Dear Mr. Hebertson:

RE: Balcron Monument State #21-2-9-17
NE NW Section 2, T9S, R17E
Uintah County, Utah

As we discussed yesterday, attached is our proposed Surface Use Plan for the referenced well. Please consider this as part of our Application for Permit to Drill.

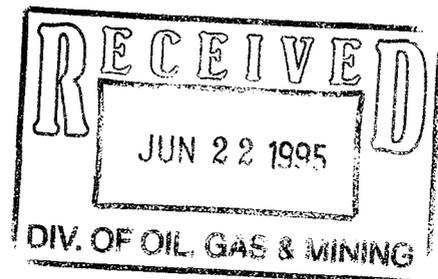
Sincerely,

Bobbie Schuman

Bobbie Schuman
Regulatory and
Environmental Specialist

/hs

Attachment





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)

July 14, 1995

Equitable Resources Energy Company
1601 Lewis Avenue
Billings, Montana 59102

Re: Balcron Monument State #21-2-9-17 Well, 821' FNL, 2187' FWL, NE NW, Sec. 2,
T. 9 S., R. 17 E., Uintah County, Utah

Gentlemen:

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-32703.

Sincerely,

R. J. Fifth
Associate Director

ldc

Enclosures

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



Operator: Equitable Resources Energy Company

Well Name & Number: Balcron Monument State #21-2-9-17

API Number: 43-047-32703

Lease: State ML-45555

Location: NE NW Sec. 2 T. 9 S. R. 17 E.

Conditions of Approval

1. General

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

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5340.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews or Mike Hebertson at (801)538-5340.

3. Reporting Requirements

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

4. Onsite Inspection

Compliance with the requirements and stipulations of the On-site Pre-drill Evaluation and Review.

OPERATOR Equitable Resources Energy Company
Balcron Oil Division

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

OPERATOR ACCT. NO. N 9890

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11863	43-047-32703	Balcron Monument State #21-2-9-17	NENW	2	9S	17E	Uintah	11-29-95	11-29-95
WELL 1 COMMENTS: <i>Entity added 12-6-95. Lee</i> Spud of a new well.											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

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

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

(3/89)

Molly Conrad
Signature
Operations Secretary
11-30-95
Date
Phone No. (406) 259-7860

DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

SPUDDING INFORMATION

Name of Company: EQUITABLE RESOURCES

Well Name: BALCRON MONUMENT STATE 21-2-9-17

Api No. 43-047-32703

Section 2 Township 9S Range 17E County UINTAH

Drilling Contractor UNION

Rig # 17

SPUDDED: Date 11/29/95

Time _____

How ROTARY

Drilling will commence _____

Reported by D. HACKFORD-DOGM

Telephone # _____

Date: 12/4/95 SIGNED: JLT

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

WELL NAME: MON. BUTTE STATE 21-2-9-17 API NO: 43-047-32703

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

COMPANY NAME: EQUITABLE RES. COMPANY MAN AL PLUNKETT

INSPECTOR: DAVID W. HACKFORD DATE: 11/29/95

CASING INFORMATION: SURFACE CASING: YES

SIZE: 8 5/8" GRADE: J-55, #24 HOLE SIZE: 12 1/4" DEPTH: 280'

PIPE CENTRALIZED: YES

CEMENTING COMPANY: BJ SERVICES

CEMENTING STAGES: ONE

SLURRY INFORMATION:

1. CLASS: "G" ADDITIVES: 2% CALCIUM CHLORIDE, 1/4 # PER SACK CELLOCELE

LEAD : 160 SACKS TAIL: NO

2. SLURRY WEIGHT LBS. PER GALLON:

LEAD: 15.8 PPG TAIL: NA

3. WATER (GAL/SX)

LEAD: 4.96 GALLONS PER SACK TAIL: NA

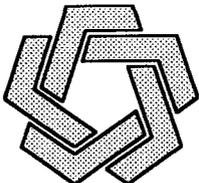
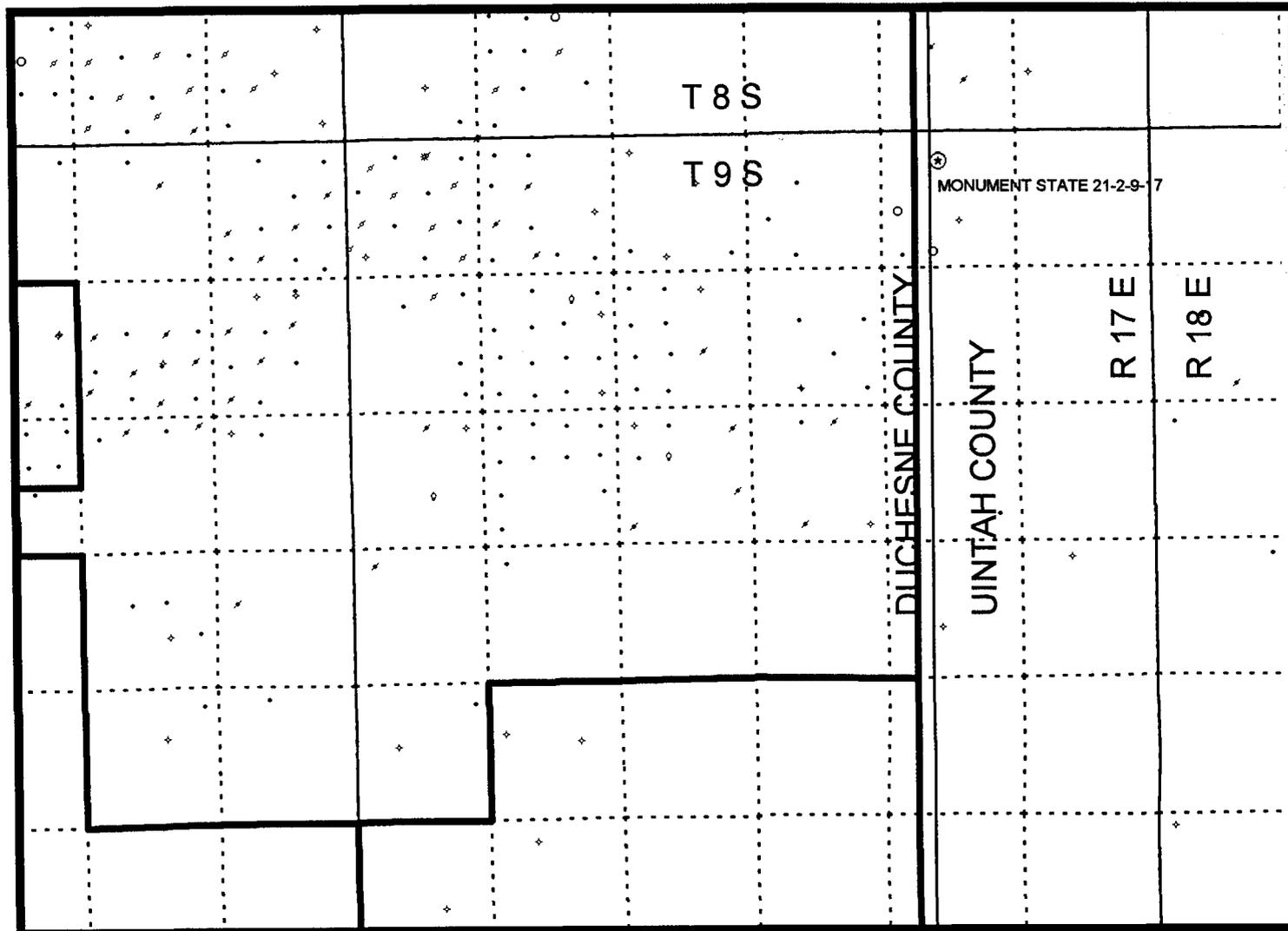
CEMENT TO SURFACE: YES LOST RETURNS: NO

1 INCH INFORMATION: WEIGHT: N/A CEMENT TO SURFACE:

FEET: SX: CLASS: CACLX: RETURNS:

ADDITIONAL COMMENTS: PLUG BUMPED AT 7:30 PM. JOB WENT WELL. HOLE CIRCULATED THROUGHOUT CEMENT JOB. HOLE STOOD FULL AFTER JOB. CASING SHOE AT 257', HOLE DEPTH 280'. DEPTHS ARE FROM KELLY BUSHING.

EQUITABLE RESOURCES
EIGHT MILE FLAT NORTH
UINTAH COUNTY, NO SPACING



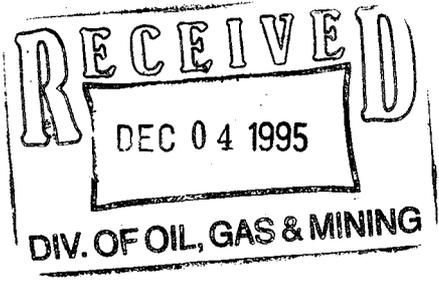
12-4-95-



**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

November 30, 1995

CONFIDENTIAL

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

Gentlemen:

**RE: Balcron Monument State #21-2-9-17
NE NW Section 2, T9S, R17E
Uintah County, Utah
API #43-047-32703**

**This letter is notice that the subject well was spud on 11-29-95 at
11:00 a.m.**

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

Sincerely,

**Molly Conrad
Operations Secretary**

/mc

**cc: State of Utah, Division of Oil, Gas, & Mining - also enclosed is
Entity Action Form 6.
Mary Lou Dixon, Uintah Basin Health Dept. - VIA FAX
Bobbie Schuman
Lou Ann Carlson**

Balcron Monument State #21-2-9-17

43-047.32703

NE NW Section 2, T9S, R17E

Uintah County, UT

800' FNL, 1980' FWL

PROPOSED FOOTAGES

821' FNL, 2187' FWL

ACTUAL FOOTAGES

Field: Monument Butte

STATE LEASE #ML-45555

PTD: 5,850' (Green River formation)

GL: 5,017'

**CULTURAL RESOURCE EVALUATION
OF NINE 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-95-54937
AERC Project 1489 (BLCR-95-5)

Utah State Project No.: UT-95-AF-306b,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

July 12, 1995

ABSTRACT

An intensive cultural resource evaluation has been conducted for Balcron Oil Company of nine proposed well locations and access routes (Balcron Monument State well #21-2-9-17; Balcron Monument Federal wells #12-24-8-17, 23-24-18-17, 11-20-9-18Y, 22-20-9-18Y, 14-3-9-17Y, 11-10-9-17Y, 12-10-9-17Y and 21-10-9-17Y). These evaluated locations are situated on Utah State and federally administered lands located in the Pariette Draw, Castle Peak Draw and Eight-mile Flat localities of Duchesne and Uintah Counties, Utah. This evaluation involved a total of 105.75 acres, of which 90 acres are associated with the well pads and an additional 15.75 acres are associated with five access road rights-of-way. These evaluations were conducted by Glade Hadden of AERC on July 5, 6 and 7, 1995.

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

Two newly identified prehistoric cultural resource activity loci were discovered and recorded during the examinations. 42Dc 906 is a significant rockshelter site located outside the immediate development zone of Monument Federal well #12-10-9-17Y. 42Un 2237 is a non-significant lithic scatter located on the well pad and access road of Monument Federal well #12-24-8-17.

No isolated artifacts were noted during the investigations.

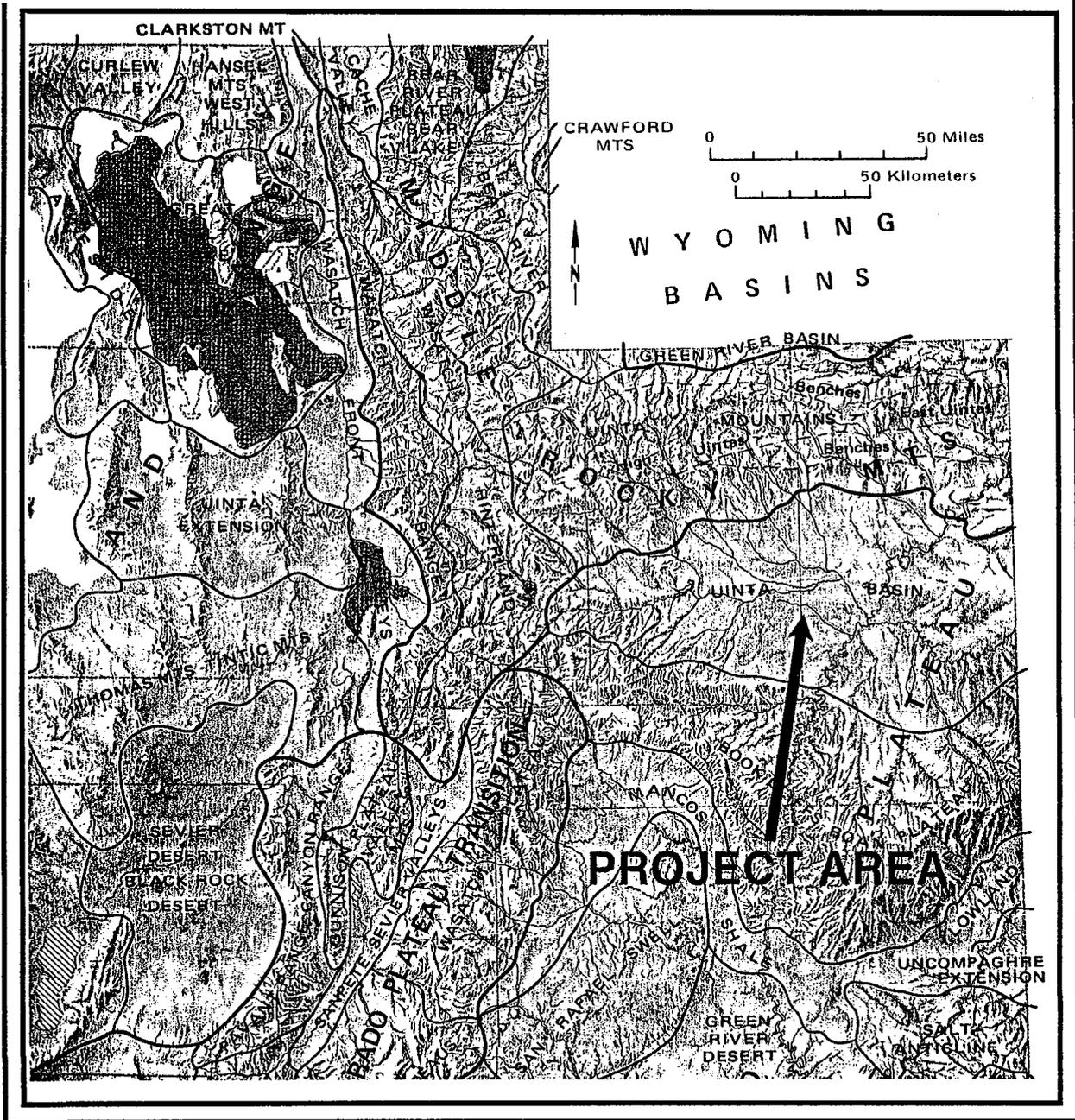
AERC recommends project clearance based on adherence to the stipulations noted in the final section of this report.

TABLE OF CONTENTS

	page
Abstract	ii
Table of Contents	iii
List of Maps of the Project Area	iv
General Information	1
Project Location	1
Environmental Description	7
Previous Research in the Locality	8
File Search	8
Prehistory and History of the Cultural Region	8
Site Potential in the Project Development Zone	8
Field Evaluations	9
Methodology	9
Site Significance Criteria	9
Results of the Inventory	10
42Dc 906	10
42Un 2237	10
Conclusion and Recommendations	12
References	13

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

PROJECT: BLCR - 95 - 5
SCALE: see below
QUAD: UG & MS Map 43
DATE: July 12, 1995



UTAH

T. multiple

R. multiple

Meridian: Salt Lake B & M

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

LIST OF MAPS OF THE PROJECT AREA

	page
MAP 1: General Balcron Project Locality in Duchesne and Uintah Counties, Utah	2
MAP 2: Cultural Resource Survey of Balcron Units 12-24 and 23-24 in the Pariette Draw Locality Uintah of County, Utah	3
MAP 3: Cultural Resource Survey of Balcron Units 14-3, 11-10, 12-10, 21-2 and 21-10 in the Castle Peak Draw Locality of Duchesne and Uintah Counties, Utah	4
MAP 4: Cultural Resource Survey of Balcron Units 14-3, 11-10 and 12-10 in the Castle Peak Draw Locality of Duchesne County, Utah	5
MAP 5: Cultural Resource Survey of Balcron Units 11-20 and 22-20 in the Eight Mile Flat Locality of Uintah, County Utah	6

GENERAL INFORMATION

On July 5, 6 and 7, 1995, AERC archaeologist Glade Hadden conducted an intensive cultural resource evaluation for Balcron Oil Company of Billings Montana. This examination involved nine proposed well locations (Balcron Monument State well #21-2-9-17; Balcron Monument Federal wells #12-24-8-17, 23-24-18-17, 11-20-9-18Y, 22-20-9-18Y, 14-3-9-17Y, 11-10-9-17Y, 12-10-9-17Y and 21-10-9-17Y) and associated access roads. The project area is in the Pariette Draw, Castle Peak Draw and Eight Mile Flat localities south east of Myton, Utah (see Map 1). A total of 105.75 acres was examined which include 80 acres associated with the Federal well pads and 13.3 acres associated with the 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 10 acres are associated with the Monument State well pad and 2.45 acres associated with the access route 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

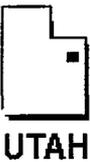
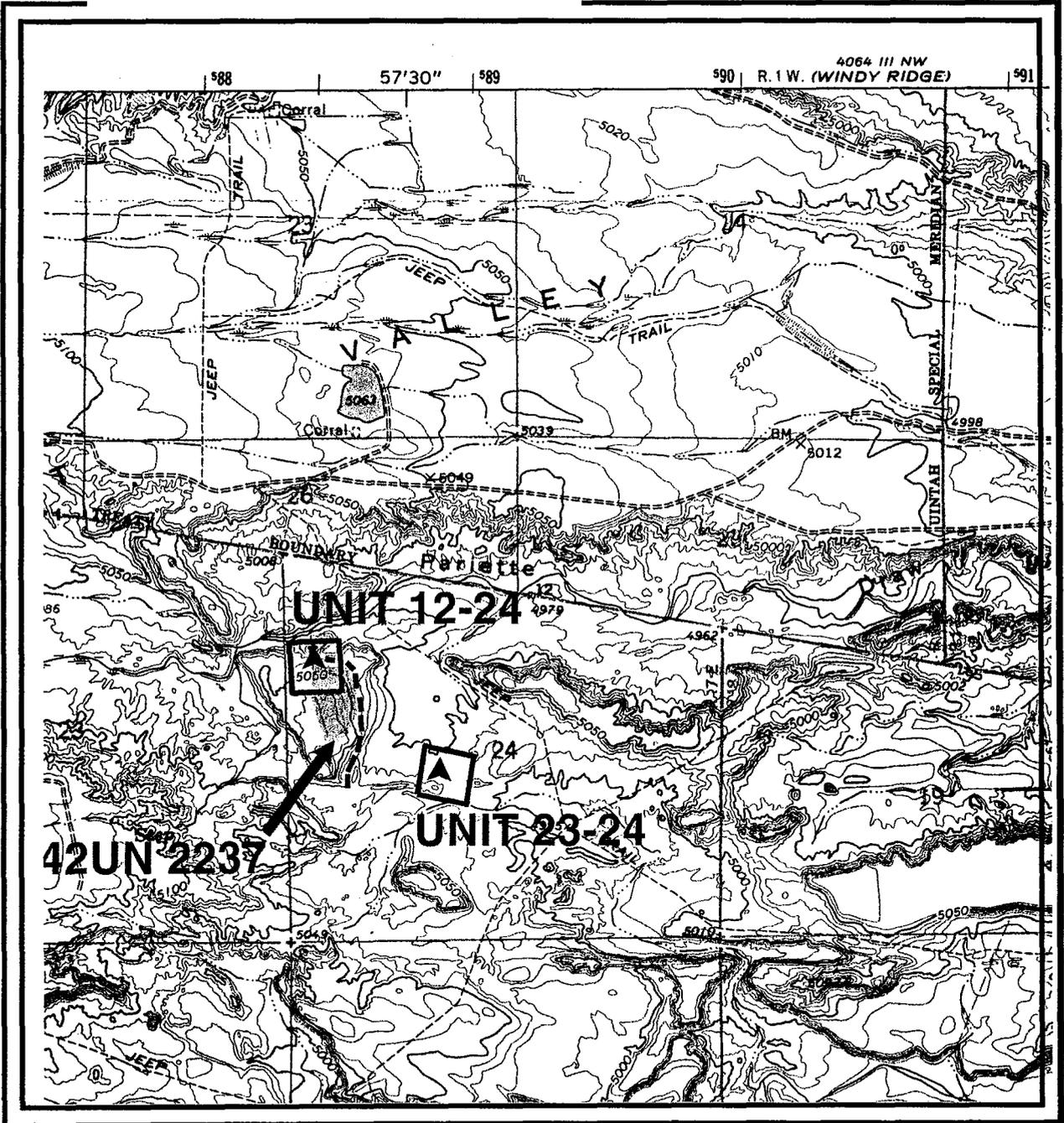
The project location is in the Pariette and Castle Peak Draw localities of Duchesne and Uintah Counties, Utah, and the Eight Mile Flat locality of Uintah County. All of the evaluated wells and access routes are situated on the Pariette Draw SW and Myton SE 7.5 minute topographic quads (see Maps).

Balcron Monument State #21-2-9-17 is situated in the SE quarter of the NE quarter of the NW quarter of Section 2, Township 9 South, Range 17 East SLBM, together with ca. 0.2 miles of access route (see Map 3).

**MAP 2: CULTURAL RESOURCE SURVEY
OF BALCRON UNITS 12-24 & 23-24
IN THE PARIETTE DRAW LOCALITY
OF UINTAH COUNTY, UTAH**



PROJECT: BLCR - 95 - 5
SCALE: 1:24,000
QUAD: Pariette Draw SW, Utah
DATE: July 12, 1995



T. 8 South
R. 17 East
Meridian: Salt Lake B. & M.

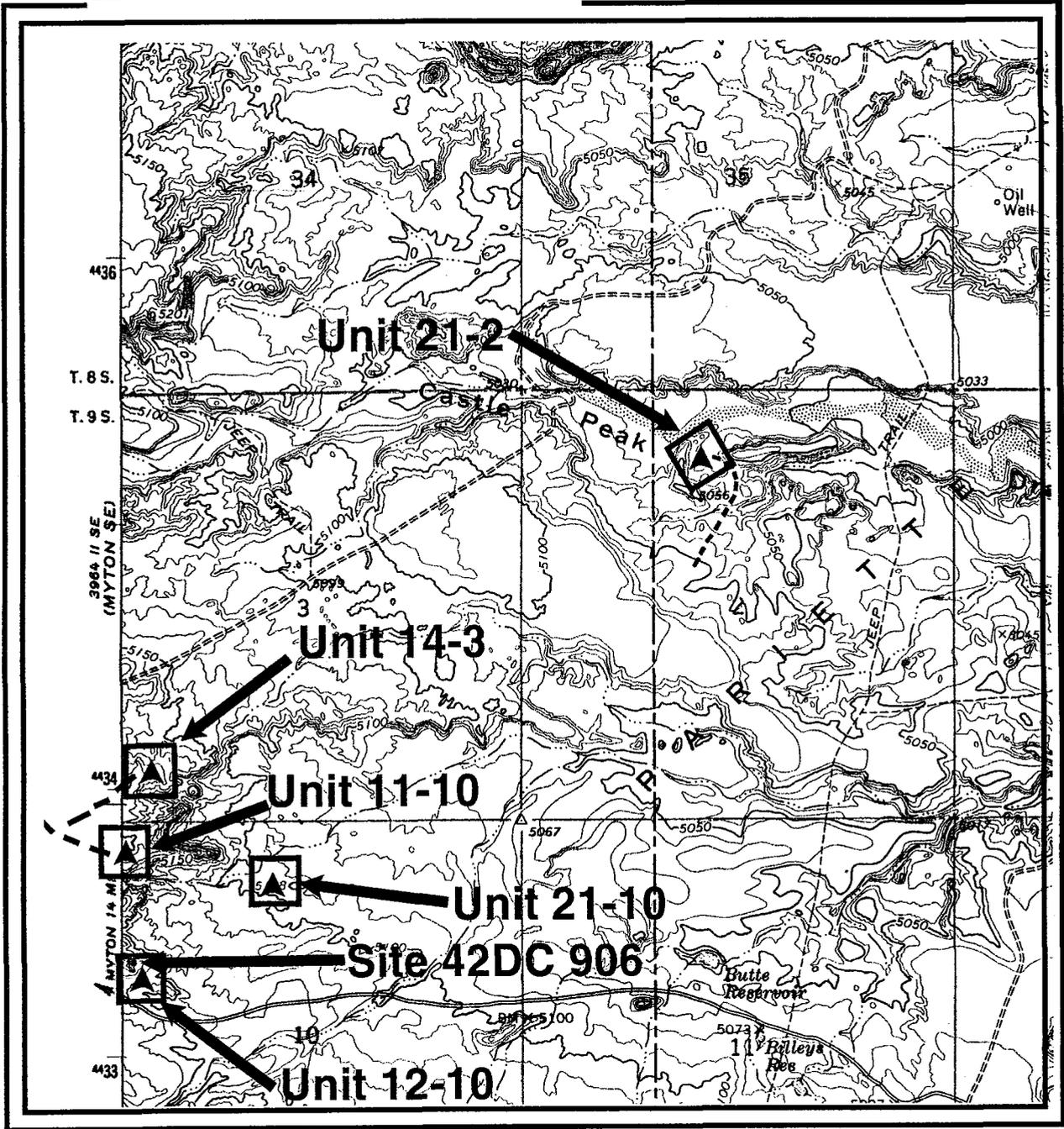
LEGEND:

- Well Location
- Access Route
- Cultural Site

Ten Acre
Survey
Area

**MAP 3: CULTURAL RESOURCE SURVEY
 OF BALCRON UNITS 14-3, 11-10,
 12-10, 21-2 & 21-10 IN THE
 CASTLE PEAK DRAW LOCALITY OF
 DUCHESNE & UINTAH COUNTIES, UTAH**

PROJECT: BLCR - 95 - 5
SCALE: 1:24,000
QUAD: Pariette Draw SW, Utah
DATE: July 12, 1995



T. 8 & 9 South
 R. 17 East
 Meridian: Salt Lake B. & M.

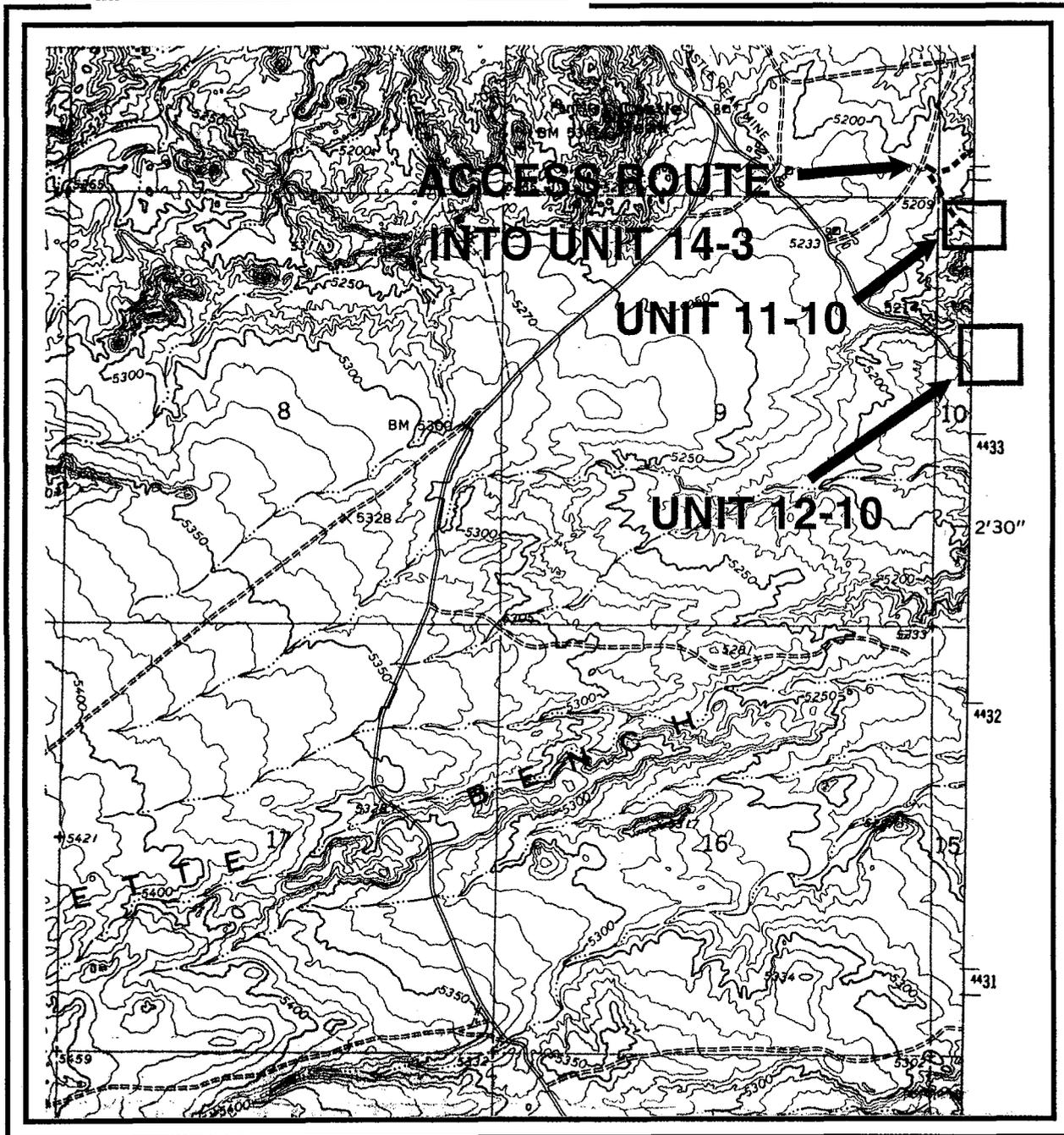
LEGEND:

- Well Location
- Access Route
- Cultural Site

- Ten Acre Survey Area

**MAP 4: CULTURAL RESOURCE SURVEY
OF BALCRON UNITS 14-3, 11-10, & 12-10
IN THE CASTLE PEAK DRAW LOCALITY
OF DUCHESNE COUNTY, UTAH**

PROJECT: BLCR - 95 - 5
SCALE: 1:24,000
QUAD: Myton SE, Utah
DATE: July 12, 1995



T. 9 South

R. 17 East

Meridian: Salt Lake B. & M.

LEGEND:

Well Location



Access Route

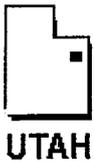
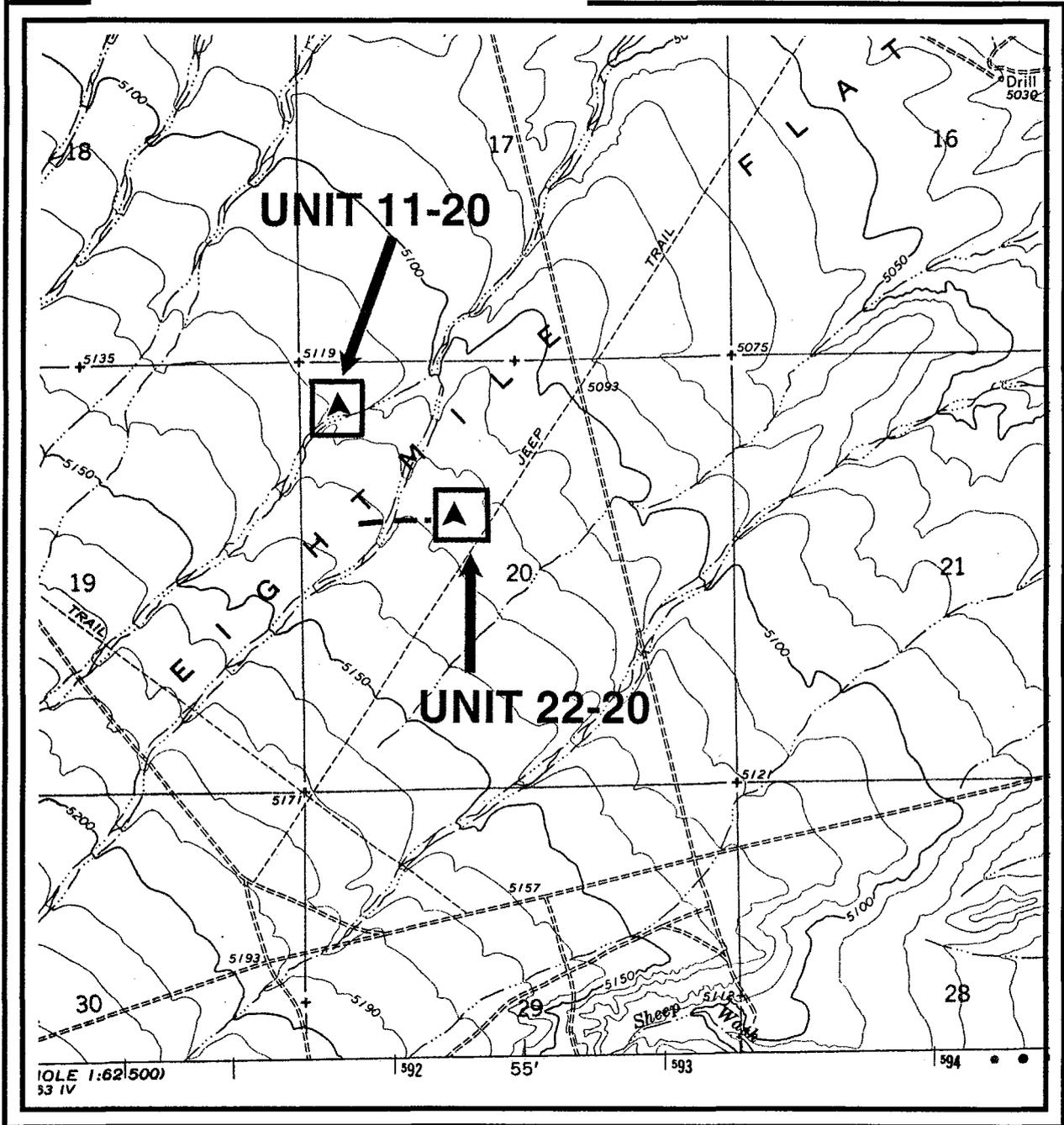


Ten Acre
Survey
Area



**MAP 5: CULTURAL RESOURCE SURVEY
OF BALCRON UNITS 11-20 & 22-20
IN THE EIGHT MILE FLAT LOCALITY
OF UTAH COUNTY, UTAH**

PROJECT: BLCR - 95 - 5
SCALE: 1:24,000
QUAD: Parlette Draw SW, Utah
DATE: July 12, 1995



T. 9 South
R. 18 East

Meridian: Salt Lake B. & M.

LEGEND:

Well Location 
Access Route 

Ten Acre Survey Area 

Balcron Monument Federal #12-24-8-17 is situated in the NW quarter of the SW quarter of the NW quarter of Section 24, Township 8 South, Range 17 East SLBM, together with ca. 0.4 miles of access route (see Map 2).

Balcron Monument Federal #23-24-8-17 is situated in the NW quarter of the NE quarter of the SW quarter of Section 24, Township 8 South, Range 17 East SLBM (see Map 2).

Balcron Monument Federal #11-20-9-18Y is situated in the NW quarter of the NW quarter of the NW quarter of Section 20, Township 9 South, Range 18 East SLBM (see Map 5).

Balcron Monument Federal #22-20-9-18Y is situated in the Center of the SE quarter of the NW quarter of Section 20, Township 9 South, Range 18 East SLBM, together with ca. 0.3 miles of access route (see Map 5).

Balcron Monument Federal #14-3-9-17Y is situated in the SE quarter of the SW quarter of the SW quarter of Section 3, Township 9 South, Range 17 East SLBM, together with ca. 0.2 miles of access route (see Maps 3 and 4).

Balcron Monument Federal #11-10-9-17Y is situated in the NW quarter of the NW quarter of the NW quarter of Section 10, Township 9 South, Range 17 East SLBM, together with ca. 0.2 miles of access route (see Maps 3 and 4).

Balcron Monument Federal #12-10-9-17Y is situated in the Center of the SW quarter of the NW quarter of Section 10, Township 9 South, Range 17 East SLBM (see Maps 3 and 4).

Balcron Monument Federal #21-10-9-17Y is situated in the SE quarter of the NE quarter of the NW quarter of Section 10, 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 June 16, 1995. A similar search was conducted in the Vernal District Office of the BLM on June 20, 1995. 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, Hauck and Hadden 1993, 1994).

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 six 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 archaeologist walking a series of 10 to 20 meter-wide transects across an area associated with each ten acre well pad. Access routes are evaluated by the archaeologist 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. 15.75 acres) was examined for the various proposed access roads, in addition to the 90 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

Two prehistoric cultural resource activity loci were observed and recorded during the archaeological evaluations.

Site 42DC 906 consists of a shallow rockshelter and an associated scatter of burned stone, lithic debitage, one core and one biface, all contained within a ca. 10 x 10 meter area. The rock shelter faces toward the north and overlooks a large tributary basin/drainage into Castle Peak Draw.

This is a Significant site. The site contains the potential for having buried features and multi-component contexts, and thus the site qualifies for nomination to the National Register of Historic Places under criterion d of Title 36 CFR 60.6 and exhibits research potential.

This site is associated with Balcron's Monument Federal well #12-10-9-17Y. It is located outside the proposed development zone, but may receive secondary impacts in the form of increased visibility and access due to the development of this well. AERC recommends that a mitigation plan should be implemented, including surface mapping and excavation of buried cultural deposits prior to the commencement of any construction on Monument Federal well 12-10-9-17Y.

Site 42UN 2237 consists of an extensive (ca. 250 x 150 meter) lithic scatter sparsely distributed across the top of a large, dune-covered ridge. Artifacts include primary, secondary and tertiary flakes, no tools and no features. Most of the debitage is exposed on the surface, with some revealed in small blowout depressions.

This is not a significant site. This site has lost most of the original context and contains little potential for having intact buried features or multi-component contexts. The site does not qualify under any of the criteria of Title 36 CFR 60.6.

42Un 2237 is located on the well pad and access route of Monument Federal well #12-24-8-17. Although this is not a significant site, there remains the potential for the discovery of significant deposits within the extensive dune field across much of the location. For this reason, AERC recommends that a qualified archaeologist be present during the initial blading and sub-surface disturbance of the well pad and access route associated with this site. If significant deposits are discovered during this operation, the appropriate mitigation measures should be taken.

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

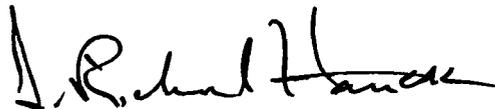
No diagnostic or non-diagnostic isolated artifacts were observed or recorded during the evaluation.

CONCLUSION AND RECOMMENDATIONS

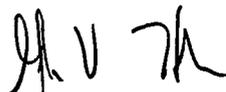
One known significant cultural resources may be adversely impacted during the development and operation of Balcron Well Unit 12-10-9-17Y. No other known significant cultural resources will be adversely impacted during the development and operation of the remaining Balcron Well Units as evaluated during 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. a mitigation plan should be implemented for Site 42Dc 906, including surface mapping and excavation of buried cultural deposits, prior to the commencement of any construction on Monument Federal well 12-10-9-17Y;
2. a qualified archaeologist should be present during the initial blading and sub-surface disturbance of the Monument Federal 12-24-8-17 well pad and access route associated with site 42Un 2237. If significant deposits are discovered during this operation, the appropriate mitigation measures should be taken;
3. 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;
4. all personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area; and
5. 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



Glade V Hadden
Field Supervisor

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, Archaeological-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, Archaeological-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.
- 1994d Cultural Resource Evaluation of Proposed Well Locations and Access Routes in the Castle Peak Draw and Eight Mile Flat Localities of Duchesne and Uintah Counties, Utah. Report Prepared for Balcron Oil Company, BLCR-94-10, Archaeological-Environmental Research Corporation, Bountiful.
- 1994e Cultural Resource Evaluation of Two Proposed Balcron Monument State Well Locations and Access Routes in the Castle Peak Draw Locality of Uintah County, Utah. Report Prepared for Balcron Oil Company, BLCR-94-10b, Archaeological-Environmental Research Corporation, Bountiful.

1994f Cultural Resource Evaluation of Proposed Well Locations and Access Routes in the Monument Buttes and Pleasant Valley Localities of Duchesne and Uintah Counties, Utah. Report Prepared for Balcron Oil Company, BLCR-94-11, Archeological-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.



**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

JAN 2 1996

December 28, 1995

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

Gentlemen:

**RE: Balcron Monument State #21-2-9-17
NE NW Section 2, T9S, R17E
Uintah County, Utah
API #43-047-32703**

This letter will serve as notice that first production on the subject well was on 12-27-95 at 3:30 p.m.

Please feel free to contact me if you need any additional information.

Sincerely,

Molly Conrad

**Molly Conrad
Operations Secretary**

/mc

cc:

**Lou Ann Carlson
Bobbie Schuman**



**EQUITABLE RESOURCES
ENERGY COMPANY**

BALCRON OIL DIVISION

1601 Lewis Avenue
Billings, MT 59102

COPY
VLD

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

JAN 2 1996

December 28, 1995

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

Gentlemen:

**RE: Balcron Monument State #21-2-9-17
NE NW Section 2, T9S, R17E
Uintah County, Utah
API #43-047-32703**

This letter will serve as notice that first production on the subject well was on 12-27-95 at 3:30 p.m.

Please feel free to contact me if you need any additional information.

Sincerely,

Molly Conrad

**Molly Conrad
Operations Secretary**

/mc

cc:

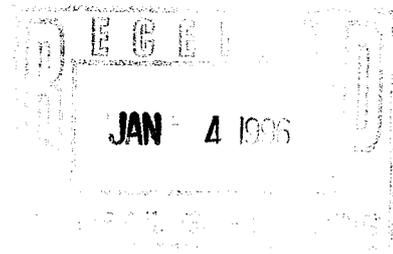
**Lou Ann Carlson
Bobbie Schuman**

GEOLOGIC AND DRILLING REPORT

**BALCRON OIL
MONUMENT STATE NO. 21-2-9-17
NE NW SECTION 2-T9S-R17E
UINTAH COUNTY, UTAH**

43-047-32703

CONFIDENTIAL



**BALCRON OIL
Equitable Resources Energy Co.
Billings, Montana**

Table of Contents

MONUMENT STATE NO. 21-2-9-17

Well Summary-----	1
Penetration Record-----	2
Daily Mud Check-----	3
Mud Additives-----	3
Bit Record-----	4
Deviation Record-----	4
Show Report-----	5
Formation Data-----	6
Sample Description-----	7
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. 21-2-9-17
LOCATION: 821' fn, 2187' fw, Section 2-T9S-R17E
Uintah County, Utah
ELEVATION: 5017 Ground, 5026 K.B.
SPUD DATE: 11:00 AM on November 29, 1995
COMPLETION DATE: Ran Production Casing on December 7, 1995
CASING POINT, DATE: December 6, 1995
TOTAL DEPTH: 5850' Driller Depth, 5846' Logger Depth
WELL STATUS: Awaiting Completion
DRILLING CONTRACTOR: Union Drilling Co., Inc.
RIG NO.: 17
HOLE SIZE: Surface; 12 1/4" to 280' Main Hole; 7 7/8" to T.D.
SURFACE CASING: 6 Joints (247.4') 8 5/8", 24#, J-55;
@ 257.4 K.B. w/160 sx Class "G" + 2% CaCl,
+ 1/4# sk Cello Seal.
MUD PROGRAMS: Air and Mist to 4115'
KCL water to Total Depth
LOGS: HLS: Dual Laterolog; Spectral Density
Dual Spaced Neutron
CORES: None
DRILL STEM TESTS: None
SAMPLE QUALITY: Good
PRODUCTION CASING: 5 1/2", 15.5# @ Total Depth
DRILLING EQUIPMENT: BLOW OUT PREVENTER:
RIG: Draw Works Cabot-Franks Rocket Make Schaeffer, Model 9" - 3000#
Mast Make Cabot Height 87' Type Hydraulic Dbl Ram
Power Caterpillar 343 Diesel 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

DAILY DEPTH AT 6:00 A.M.

Monument State No. 21-2-9-17

<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>	
9/21-27	-	-	-	-	-	-	Build Road & Loc Move in. Rig Up Spud @ 11:00AM
9/29	-	-	-	-	-	-	
9/30	280	280	6	-	18	-	Run & Cmt + 8 5/8" Csg WOC, Nipple Up
12/1	1804	1524	21 1/4	-	2 3/4	-	Trip f/Bit. Load Hole Condition f/Logs Open Hole Logs; LDDP; Run & Cmt Csg. Rig Released @ 4:00 AM
12/2	3230	1426	22 1/2	-	1 1/2	-	
12/3	4125	895	17 1/2	-	6 1/2	-	
12/4	4723	598	21 3/4	-	2 1/4	-	
12/5	5275	552	22 3/4	-	1 1/4	-	
12/6	5850	575	21 3/4	-	2 1/4	-	
12/7	5850	-	-	-	22	-	

TIME DISTRIBUTION SUMMARY

Rotating Hours----- 133 1/2 Hours
 Days on Location----- 8 Days
 Rig Repair----- 0 Hours
 Day Work----- 0 Hours

Mud Check

Monument State No. 21-2-9-17

<u>DATE</u>	<u>DEPTH</u>	<u>WT.</u>	<u>VIS.</u>	<u>PH</u>	<u>WL</u>	<u>CAKE</u>	<u>SALT</u>	<u>KCI</u>
9-30-95	280							
								Drilling with Air and Mist
12-1-95	1804							Drilling with Air and Mist
12-2-95	3230							Drilling with Air and Mist
12-3-95	4125							Drilling with Air and Mist
12-4-95	4723	8.5	27	10	-	-	9500	1.9%
12-5-95	5275	8.5	27	10	-	-	9600	2.0%
12-6-95	5850	8.5	27	10	-	-	9600	2.0%

Mud Additives

KCL ----- 55 sx
 Sawdust ----- 3 sx
 Poly S ----- 3 cans

Lime ----- 15 sx
 KD 700 ----- 2 Bbl
 Foamer ----- 9 cans

Bit Record



Monument State 21-2-9-17

<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	F.B.	Open	280	280	6	3-5	40	Air	150	1800 cfm
2	7 7/8	SEC	S88CF	24	4115	3835	60 3/4	40	60	Mist	240	1800 cfm
3	7 7/8	Nutek	NT-4	13	5850	1735	66 3/4	40	60	54	900	2°

DEVIATION RECORD

<u>DEPTH</u>	<u>ANGLE</u>	<u>DEPTH</u>	<u>ANGLE</u>
501	3/4°	3040	1 3/4°
1000	1°	4084	2 1/4°
1540	3/4°	4630	2°
2058	1 1/4°	5135	1 3/4°
2550	1 3/4°	5645	2°

Show Report



Monument Butte Federal 21-2-9-17

NO	DEPTH	DRILL RATE, Min/Ft			TOTAL GAS Units			CHROMATOGRAPH Units			
		From - To	Before	During	After	Before	Peak	After	C1	C2	C3
1	4218 - 36	2.0	1.5	2.0	40	200	15	145	65	25	10
2	4772 - 96	2.2	1.0	2.2	20	470	20	280	80	55	20
3	4916 - 24	2.8	1.2	2.4	20	350	20	260	80	40	15
4	5272 - 76	2.6	2.2	2.6	80	800	300	275	120	80	35

REMARKS

- 1 - Sandstone - tan, very fine grained, silty, angular, calcareous, poor to fair porosity, light brown uniform oil stain, bright yellow fluorescence, quick strong streaming cut, fair show of oil.
- 2 - Sandstone - tan, very fine grained, silty, angular, calcareous, poor porosity, light brown uniform oil saturation bright yellow fluorescence, instant strong streaming cut, good show of oil.
- 3 - Sandstone - light brown, very fine grained, silty, angular, calcareous, poor porosity, light brown, uniform oil saturation, bright yellow fluorescence, instant streaming cut, good show of oil.
- 4 - Sandstone - tan, light gray, very fine grained, silty, angular, calcareous, partly clay filled, tight to poor porosity, brown oil stain, yellow-brown fluorescence, instant strong streaming cut, blobs of brown oil on samples, oil one inch deep over shaker, gradually decreased to a few blobs over one hour period.

Formation Data

Monument State 21-2-9-17

Sample Tops

<u>ELEVATIONS</u>	<u>5017 GL</u>	<u>5026 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>
Uinta	Surface	+5017	1467	30' Low
Green River	1476	+3550	870	42' Low
Horseshoe Bench	2346	+2680	580	23' Low
2nd Garden Gulch	3926	+1100	294	41' Low
Y-2 Sandstone	4220	+806	313	42' Low
Yellow Marker	4533	+493	163	42' Low
Douglas Creek	4696	+330	72	38' Low
R-2 Sandstone	4768	+258	180	29' Low
2nd Douglas Creek	4948	+78	150	46' Low
Green Marker	5098	-72	198	40' Low
G-5 Sandstone	5296	-270	85	59' Low
Black Shale Marker	5381	-355	149	33" Low
Carbonate Marker	5530	-504	45	44' Low
B-1 Sandstone	5575	-549	48	48' Low
B-2 Sandstone	5623	-596	223+	-
TOTAL DEPTH	5846'			

REFERENCE WELL : Balcron Oil
 Monument State No. 22-2
 (1160' South)

Sample

Description



Balcron Oil
Monument State No. 21-2-9-17
NE NW Section 2-T9S-R17E

Drilling with air and mist; Samples caught from blooie line; Sample quality good; 50 foot sample intervals.

LOG TOP, GREEN RIVER FM. 1476' (+3550')

1400-1450	Sandstone - light gray to white, mostly loose grains of clear quartz, some milky white and dark gray chert, very fine to fine, angular to sub-round, some clay matrix, no show.
1450 - 1500	Marl - tan, brown, blocky, petroliferous; Sandstone - as above; Limestone - buff, tan, micritic, argillaceous.
1500 - 1550	Marl - as above; trace of Limestone - as above.
1550 - 1600	Marl - as above; Quartz grains - clear, silt sized to very fine, angular.
1600 - 1650	Marl - brown, blocky, petroliferous.
1650 - 1700	Marl - as above; Quartz grains - clear, silt sized to medium, angular.
1700 - 1750	Marl - dark brown, blocky, very petroliferous; Quartz - as above; Chert - clear to amber, coarse fragments.
1750 - 1800	Marl - tan, medium to dark brown, grayish brown, blocky, petroliferous; Quartz grains - very fine to medium, clear, angular; trace of Chert.
1800 - 1850	No change.

1850 - 1900	No change.
1900 - 1950	Marl - medium to dark brown, grayish brown, firm, blocky, petroliferous.
1950 - 2000	No change.
2000 - 2050	Marl - medium to light brown, grayish brown, firm, blocky to fissile, partly gritty to silty, petroliferous.
2050 - 2100	No change.
2100 - 2150	No change.
2150 - 2200	Marl - medium to dark brown, grayish brown, firm, blocky, petroliferous.
2200 - 2250	No change.
2250 - 2300	No change.

LOG TOP, HORSESHOE BENCH 2346' (+2680')

2300 - 2350	No change.
2350 - 2400	Shale - light gray, brownish gray, blocky to fissile, calcareous; Siltstone - light gray, sandy, calcareous; some Marl.
2400 - 2450	Shale and Siltstone - as above; Marl - tan, blocky, firm, petroliferous.
2450 - 2500	Marl - tan, light brown, firm, blocky, locally gritty to silty, petroliferous.
2500 - 2550	Marl - medium to dark brown, blocky, firm, very petroliferous; few Quartz crystals, very fine to fine, angular, clear; Limestone: buff, tan, micritic.
2550 - 2600	Marl - dark brown, blocky to fissile, firm, very petroliferous; some Limestone: as above.
2600 - 2650	No change.

2650 - 2700	Marl - tan, brown, blocky, firm, petroliferous.
2700 - 2750	No change.
2750 - 2800	Marl - brown, grayish brown, blocky to lumpy, firm, partly gritty, petroliferous.
2800 - 2850	No change.
2850 - 2900	No change.
2900 - 2950	Marl - tan, brown, grayish brown, blocky to fissile, partly gritty to silty, slightly petroliferous; some Sandstone - tan, light gray, very fine grained, silty, angular, shaley, calcareous, tight.
2950 - 3000	Sandstone - light gray, very fine to fine grained, silty, angular, shaley, partly clay filled, slightly calcareous, locally fair to good porosity, no visible show, slight milky cut, water sand; Shale - light gray, blocky, gritty, calcareous.
3000 - 3050	Sandstone - as above; some Shale - as above.
3050 - 3100	Marl - tan, brown, light gray, fissile to blocky, firm, slightly petroliferous.
3100 - 3150	No change.
3150 - 3200	Shale - light gray, fissile to blocky, partly gritty, calcareous, firm; Sandstone - light gray, very fine grained, silty, angular, shaley, calcareous, poor porosity, no visible show, <u>very slight milky cut</u> .
3200 - 3250	Sandstone - as above; some Shale - as above.
3250 - 3300	Marl - tan, brown, brownish gray, fissile to blocky, firm, petroliferous; Limestone - buff, tan, micritic.
3300 - 3350	No change.
3350 - 3400	As above; Siltstone - light gray, calcareous; few clear Quartz grains - very fine to fine.

- 3400 - 3450 Marl and Limestone - as above; Shale - light gray, calcareous; few Quartz grains.
- 3450 - 3500 Marl - light to medium gray, brownish gray, brown, petroliferous; Limestone - buff, tan, micritic.
- 3500 - 3550 No change.
- 3550 - 3600 Siltstone - light gray, sandy, shaley, calcareous; Shale - light gray, blocky, hard, gritty; Limestone - as before.
- 3600 - 3650 Shale - as above; some Siltstone - as above.
- 3650 - 3700 Marl - light to medium gray, brownish gray, brown, tan, blocky to fissile, firm, petroliferous; some Sandstone - tan, very fine grained, limey, hard, tight.
- 3700 - 3750 Marl - as above.
- 3750 - 3800 Marl - tan, brown, dark grayish brown, blocky to fissile, firm, petroliferous.
- 3800 - 3850 Marl - as above; Limestone - buff, tan, micritic, partly argillaceous.
- 3850 - 3900 Shale - light gray, greenish gray, fissile to lumpy, firm, calcareous; some Marl - as above.

LOG TOP, 2nd GARDEN GULCH 3926' (+1100')

- 3900 - 3950 Sandstone - white, very fine to fine grained, silty, angular, calcareous, hard, tight, partly clay filled, no show; Limestone - buff, micritic to fragmental; Shale - as above.
- 3950 - 4000 Sandstone - as above; traces of Limestone and Shale - as above.
- 4000 - 4050 Sandstone - as above; Shale - light gray, lumpy, firm, gritty, calcareous; some Limestone.
- 4050 - 4100 Shale - light gray, light grayish green, blocky to lumpy, firm, gritty, calcareous; Limestone - buff, tan, ostracodal to micritic; some silty Sandstone - as above.

4100 - 4115 No change.

Load hole with KCL water at 4115'.

Begin 30 foot samples.

4115 - 4150 Siltstone - light gray, very sandy, angular, very calcareous, hard, tight; Shale and Limestone - as above.

4150 - 4180 Shale - light to medium gray, blocky to fissile, firm, calcareous; Marl - grayish brown, tan, brown, blocky, petroliferous; Limestone - buff, tan, micritic, ostracodal.

4180 - 4210 As above; Siltstone - light gray, white, sandy, calcareous.

LOG TOP, Y-2 SANDSTONE 4220' (+806')

4210 - 4240 As above; Sandstone - tan, very fine grained, silty, angular, calcareous, poor to fair porosity, light brown uniform oil stain, bright yellow fluorescence, quick strong streaming cut, fair show of oil.

4240 - 4270 Shale and Siltstone - as above; some Marl and Limestone.

4270 - 4300 No change.

4300 - 4330 Marl - tan, brown, dark grayish brown, firm, blocky, petroliferous; Limestone - tan, brown, micritic, argillaceous.

4330 - 4360 Shale - light to medium gray, fissile to blocky, firm, calcareous, partly gritty; Siltstone - light gray, calcareous; Limestone - as above, ostracodal; some Marl - as above.

4360 - 4390 Decreasing Limestone; otherwise no change.

4390 - 4420 Marl - buff, tan, brown, dark brown, fissile to blocky, firm, petroliferous.

4420 - 4450 Shale - light gray, fissile to blocky, firm, calcareous; Marl - as above; some Limestone - buff, tan, micritic.

4450 - 4480 Siltstone - light gray, sandy, calcareous; Shale - as above; some Marl; Clay - white, soft.

4480 - 4510 No change.

LOG TOP, YELLOW MARKER 4533' (+493')

- 4510 - 4540 Marl - tan, brown, dark grayish brown, blocky to fissile, petroliferous, firm.
- 4540 - 4570 Shale - light gray, fissile to lumpy, gritty, calcareous; Limestone - cream, buff, tan, micritic, fragmental, ostracods.
- 4570 - 4600 Siltstone - white, sandy, calcareous; Shale - as above.
- 4600 - 4630 Marl - brown, blocky, firm, petroliferous; Shale and Siltstone - as above.
- 4630 - 4660 Shale - light gray, fissile, calcareous; some Marl and Siltstone.
- 4660 - 4690 As above; Clay - white.

LOG TOP, DOUGLAS CREEK 4696' (+330')

- 4690 - 4720 Shale - as above; Marl - dark brown, blocky, firm, petroliferous; some Sandstone - white, light gray, very fine grained, silty, calcareous, tight, *no show*.
- 4720 - 4750 As above; Sandstone - tan, very fine grained, silty, angular, calcareous, very poor porosity, *light brown oil stain, bright yellow fluorescence, slow streaming cut, poor show of oil.*

LOG TOP, R-2 SANDSTONE 4768' (+258')

- 4750 - 4780 Marl - buff, tan, brown, blocky, firm, petroliferous; Shale - light gray, fissile to blocky, firm, calcareous; Sandstone - tan, very fine grained, silty, angular, calcareous, poor porosity, *light brown uniform oil saturation, bright yellow fluorescence, instant strong streaming cut, good show of oil.*
- 4780 - 4810 Sandstone - as above with show as above; Marl and Shale - as above; Siltstone - light gray, sandy, calcareous.
- 4810 - 4840 Siltstone - buff, tan, sandy, calcareous; Marl and Shale - as above.

- 4840 - 4870 Shale and Marl - as above; some Siltstone - white, sandy; Clay - white, soft.
- 4870 - 4900 Shale - light gray, blocky to fissile, calcareous; Marl - tan, brown, firm, blocky, petroliferous.
- 4900 - 4930 As above; Sandstone - light brown, very fine grained, silty, angular, calcareous, poor porosity, light brown uniform oil saturation, bright yellow fluorescence, instant streaming cut, good show of oil.

LOG TOP, 2nd DOUGLAS CREEK 4948' (+78')

- 4930 - 4960 Marl - medium gray, dark brownish gray, tan, brown, fissile to blocky, firm, petroliferous.
- 4960 - 4990 Some Marl - as above; Shale - light gray, fissile to blocky, firm, calcareous; Sandstone - white, very fine grained, silty, calcareous, angular, hard, tight, no show.
- 4990 - 5020 Shale and Marl - as above; Siltstone - light gray, calcareous, firm.
- 5020 - 5050 Siltstone - as above; some Marl and Shale.
- 5050 - 5080 Shale - light gray, blocky to fissile, firm, gritty, calcareous; some Marl.

LOG TOP, GREEN MARKER 5098' (-72')

- 5080 - 5110 Marl - tan, brown, blocky to fissile, firm, petroliferous.
- 5110 - 5140 As above; Limestone - buff, tan, micritic, partly chalky.
- 5140 - 5170 No change.
- 5170 - 5200 As above; Shale - light gray, fissile, calcareous, gritty.
- 5200 - 5230 Shale and Marl - as above; some Siltstone - light gray, shaley, calcareous; some Limestone - as above.
- 5230 - 5260 No change.

5260 - 5290 Sandstone - tan, light gray, very fine grained, silty, angular, calcareous, partly clay filled, tight to poor porosity, brown oil stain, yellow-brown fluorescence, quick strong streaming cut, oil over shale shaker; Shale and Marl - as above.

LOG TOP, G-5 SANDSTONE 5296' (-270')

5290 - 5320 (Much dark brown oil over shaker) Sandstone - as above with show - as above; Marl and Shale - as above; Oil blobs on samples.

5320 - 5350 As above; Shale - dark brownish gray to black, fissile to blocky, brittle, very petroliferous.

5350 - 5380 Marl - light to medium gray, tan, brown, hard, partly gritty, blocky, petroliferous; some Sandstone - as above; Limestone - tan, brown, fragmental, partly argillaceous; Shale - as above.

LOG TOP, BLACK SHALE MARKER 5381' (-355')

5380 - 5410 Shale - black, fissile to blocky, brittle, very petroliferous.

5410 - 5440 Shale - dark brown to black, fissile to blocky, brittle, petroliferous.

5440 - 5470 Shale - as above; Limestone - buff, tan, micritic, fragmental, argillaceous.

5470 - 5500 As above; Marl - tan, brown, blocky, firm, petroliferous.

5500 - 5530 Shale and Marl - as above; Limestone - tan, brown, fragmental.

LOG TOP, CARBONATE MARKER 5530' (-504')

5530 - 5560 As above; Clay - light gray; Sandstone - light gray, clear, very fine to fine grained, angular, calcareous to clay filled, tight, no show, slightly salt and pepper.

LOG TOP, B-1 SANDSTONE 5575' (-549')

5560 - 5590 Sandstone - as above; some Shale, Marl and Limestone.

5590 - 5620 Marl - light brown, blocky, firm, petroliferous; Shale - light gray, fissile to lumpy, calcareous, gritty; Limestone - buff, tan, chalky, micritic; Sandstone - as above.

LOG TOP, B-2 SANDSTONE 5623' (-596')

5620 - 5650 Decreasing Sandstone.

5650 - 5680 Shale, Marl and Limestone - as above; Siltstone - light gray, sandy, calcareous.

5680 - 5710 No change.

5710 - 5740 Shale - light gray, fissile, calcareous; Marl - tan, brown, blocky, petroliferous; Limestone - buff, tan, micritic, argillaceous; some Siltstone - as above.

5740 - 5770 No change.

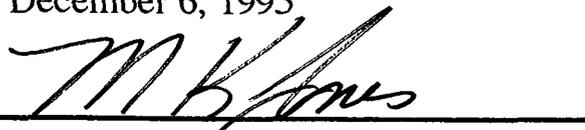
5770 - 5800 As above; Shale - black to very dark brown, blocky to lumpy, brittle, limey, petroliferous.

5800 - 5830 Limestone - buff, tan, micritic; Shale - light to medium gray, fissile to blocky, calcareous; trace of Oil Shale.

5830 - 5850 Shale - black, dark brown, blocky to fissile, limey, petroliferous, brittle; Limestone - as above.

Driller's Total Depth 5850'
Logger's Total Depth 5846'

December 6, 1995



M.K. Jones
Petroleum Geologist

GEOLOGIC WELL LOG

OPERATOR: BALCRON OIL

WELL: MONUMENT STATE NO. 21-2-9-17

COUNTY: UINTAH STATE: UTAH

SECTION: 2, TOWNSHIP 9S, RANGE 17E

QTR. SEC. NE NW 821' FNL, 2187' FWL

KB 5026', GR 5017'

RIG: UNION # 17

TOTAL DEPTH: 5850'

STATUS: AWAITING COMPLETION

SPUD DATE: 11-2-95 COMP. DATE: UNKNOWN

PERFS: UNKNOWN

IP: UNKNOWN

GEOLOGIST: K. Jones

LITHOLOGIC SYMBOLS

	Sandstone		Salt		Anhydrite
	Conglomerate		Chert		Argillaceous
	Siltstone		Coal		Calcareous
	Shale		Igneous		Dolomitic
	Marl		Volcanics		Fossiliferous
	Limestone		Metamorphic		Glauconitic
	Dolomite		Clay		Oolitic
	Anhydrite				Plant Remains
					Pyrite
					Siliceous
					Stylolites
					Petroliferous

POROSITY & SHOW SYMBOLS

X	POOR	}	INTERPARTICLE POROSITY
XX	FAIR		
XXX	GOOD		
V	POOR	}	VUG POROSITY
VV	FAIR		
VVV	GOOD		
●	POOR	}	OIL SHOWS
●	FAIR		
●	GOOD		
☀	POOR	}	GAS SHOWS
☀	FAIR		
☀	GOOD		

OPERATIONAL SYMBOLS

	CORE
	SIDEWALL CORE
	DST
	CASING SEAT
	PERFORATIONS
	SQUEEZED PERFS

GEOLOGIST: Kay Jones

FROM: 1400' **TO:** Total Depth

DRILL RATE

Mn/Ft



Ft/Hr



P
o
r
o
s
S
h
o
w
s
C
o
r
e
C
s
g
e

TEXT



SS - lt gy-wh, mstly lsc gns, clr qtz, sm mlk wh & dk gy cht, vf-fg, ang-sb ind, NS

Bit No. 2
S88CF

GREEN RIVER 1476'

1500

Marl - tn, brn, blk, petrol,
Ls - bf, tn, mic, arg

Qtz. gns

1600

Marl - brn, blk, petrol

Qtz gns

1700

Marl - dk brn, blk, vy petrol;
Cht - clr to ambr

Marl - tn, md-dk brn, grysh brn, blk, petrol

1800

1900

Marl - md-dk brn, gvsh brn, frm, blk, petrol

Min/Ft

2000

Marl - md-lt brn, gvsh brn, frm, blk, fsl,
prtly grty-slt, petrol

0

5

10

2100

Marl - md-dk brn, gysh brn, frm, blk, petrol

2200

2300

HORSESHOE BENCH 2346'

Sh - lt gy, brnsh gy, blk-fsl, calc;
Sltst - lt gy, sdy, calc

2400

Marl - tn, blk, petrol

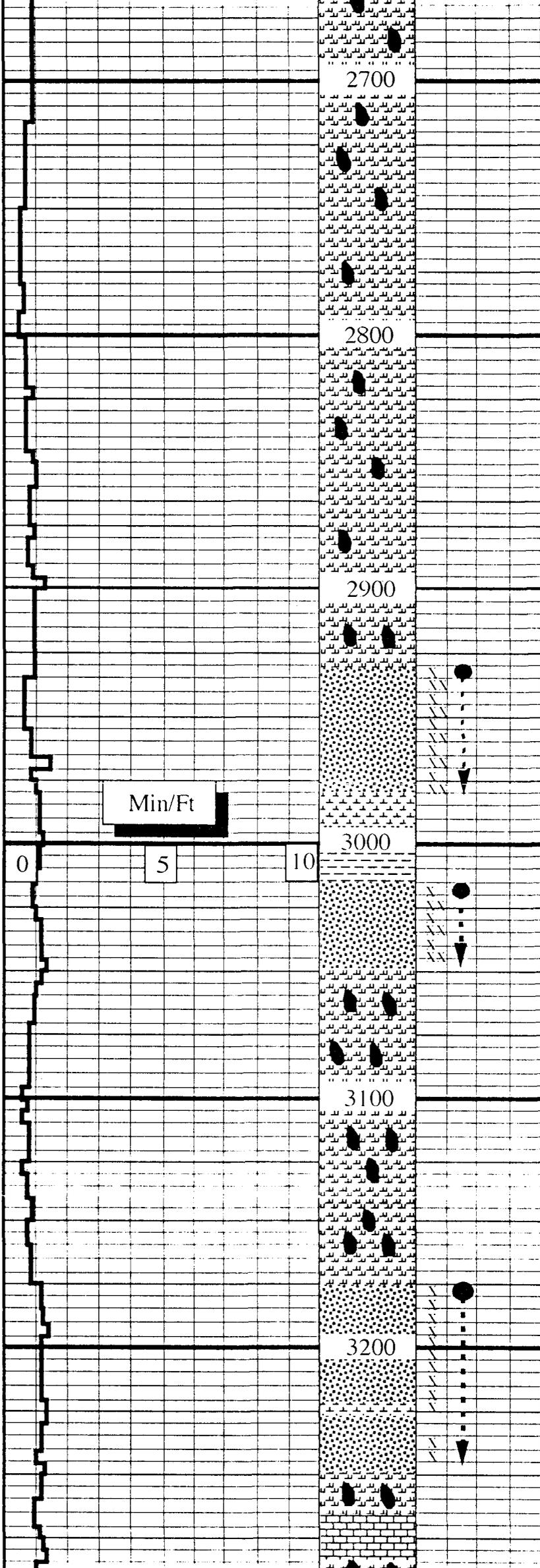
Marl - tn, lt brn, frm, blk, lclly grty-slt, petrol

2500

Marl - md-dk brn, blk, frm, vy petrol,
Ls - bf, tn, mic

Marl - dk brn, blk-fsl, frm, vy petrol

2600



Marl - tn, brn, blk, frm, petrol

2700

Marl - brn, gysh brn, blk-impy, frm, prtly grty, petrol

2800

2900

Marl - tn, brn, gysh brn, blk-fsl, prtly grty-slty, sli petrol;

SS - tn, lt gy, vfg slty, ang, shly, calc, tite

Min/Ft

0 5 10

3000

SS - lt gy, vf-fg, slty, ang, shly, prtly cly fld, sli calc, lely fr-gd por, sli mlky et (Hole making water)

Sh - lt gy, grty, blk, calc

3100

Marl - tn, brn, lt gy, fsl-blky, frm, sli petrol

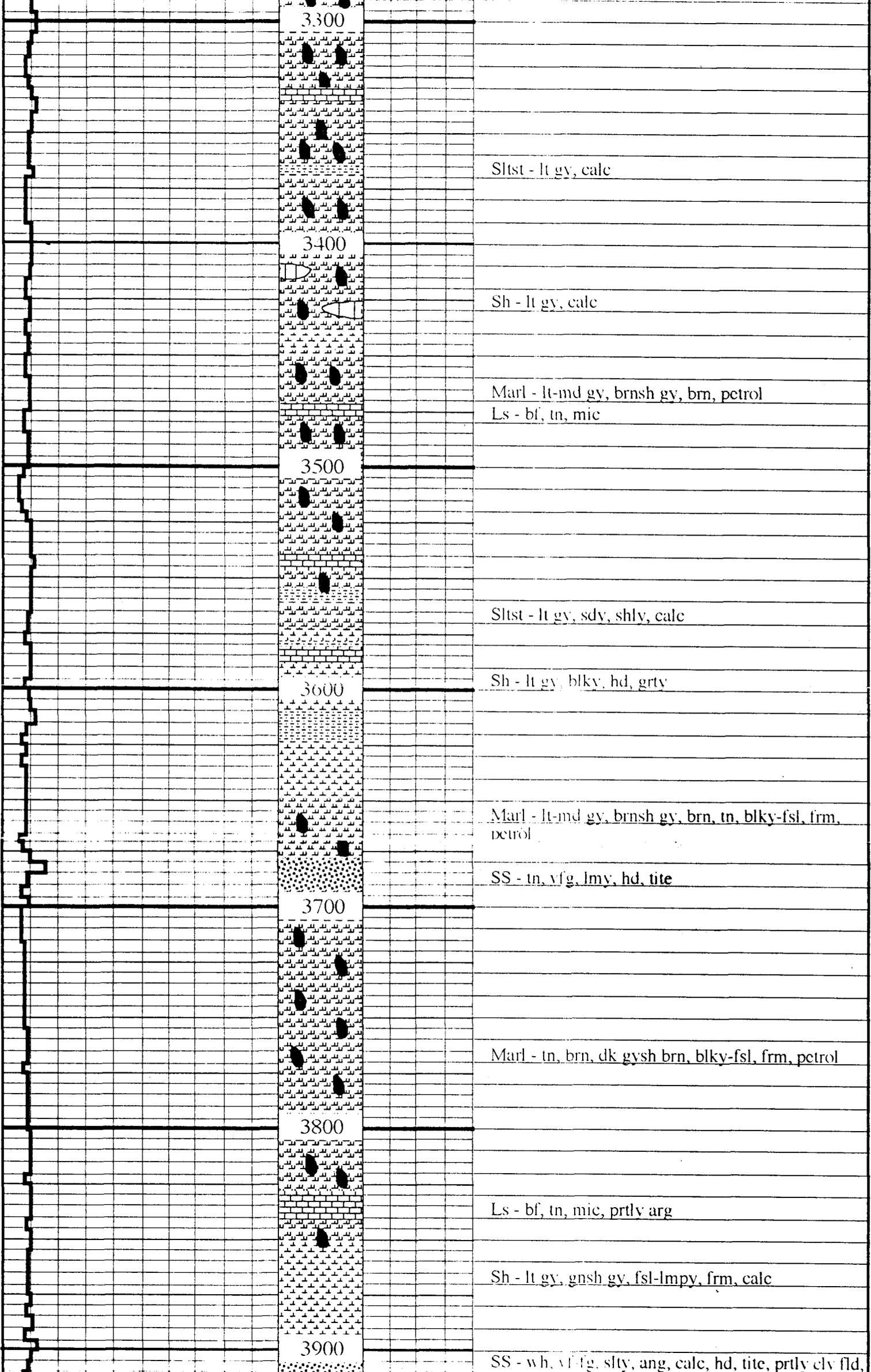
Sh - lt gy, fsl-blky, prtly grty, calc, frm

3200

SS - lt gy, vfg, slty, ang, shly, calc, pr por, vy sli mlky et

Marl - tn, brn, brnsh gy, fsl-blky, frm, petrol,

Ls - bf, tn, mic



Ls - bf, mic-frag

4000

Sh - lt gy, lmpy, frm, grty, calc

Sh - lt gy, lt gysh gn, blkylmpy, frm, grty, calc

Ls - bf, tn, ost, mic

4100

DEPTH SCALE CHANGE

Min/Ft

4100

0 5 10

Bit No. 3
NT 4

Slst - lt gy, vy sdy, ang, calc, hd, tite

Sh - lt-md gy, blkylfsl, frm, calc

Marl - gysh brn, tn, brn, blkyl, petrol;

Ls - bf, tn, mic, ostracodal

Slst - lt gy, sdy, calc

4200

SS - tn, vfg, slty, ang, calc, pr-fr por, lt brn OS, brt yell fluor, qk stmg stmg ct, Good Show

Min/Ft

0

5

10

4500

Marl - tn, brn, dk gysh brn, blk-y-fsl, frm, petrol

Marl - tn, brn, dk gysh brn, blk-y-fsl, frm, petrol

YELLOW MARKER 4533'

Slst - wh, sdy, calc

4600

Marl - brn, blk-y, frm, petrol

Sh - lt gy, fsl, calc

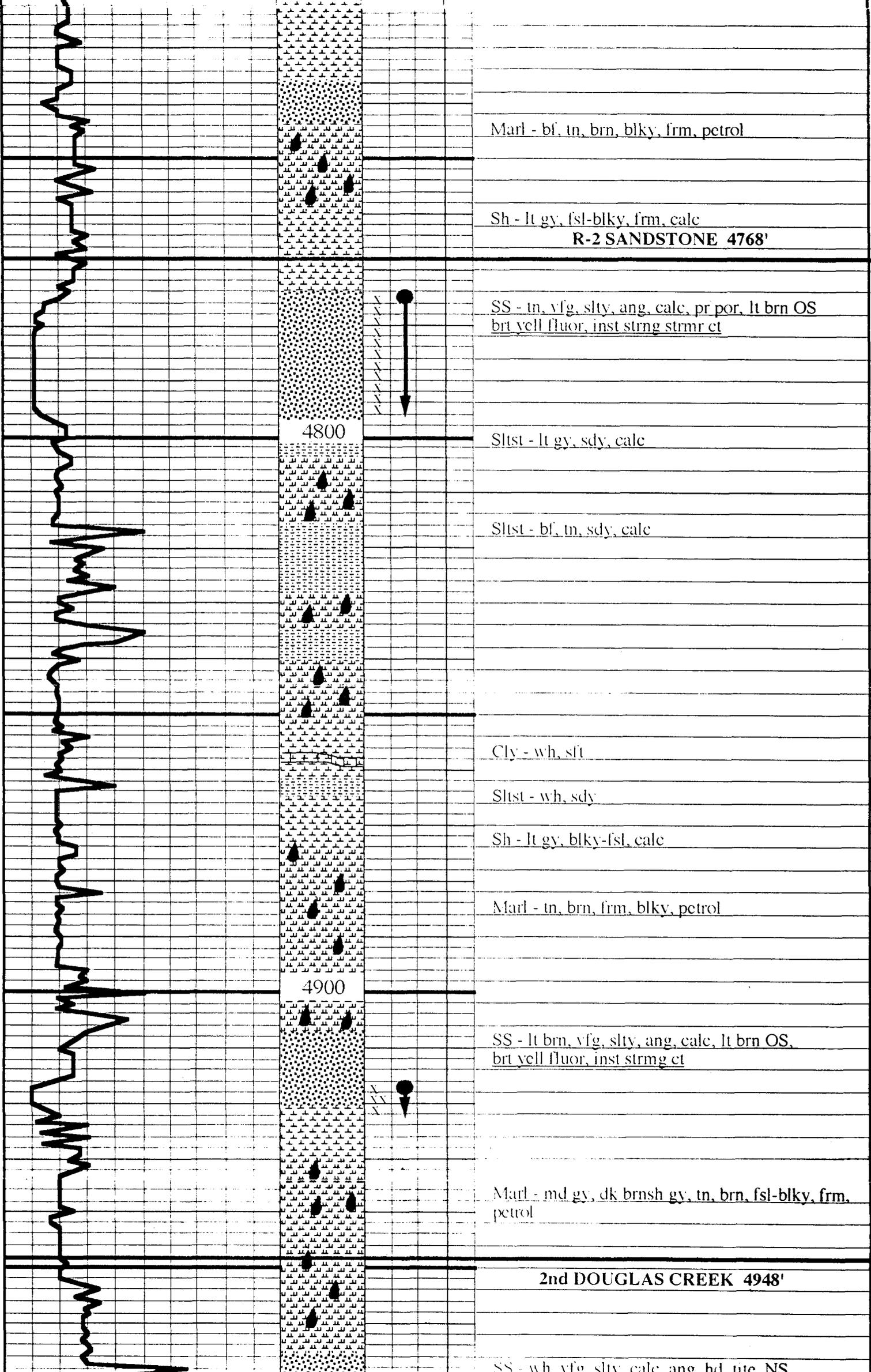
Cly - wh

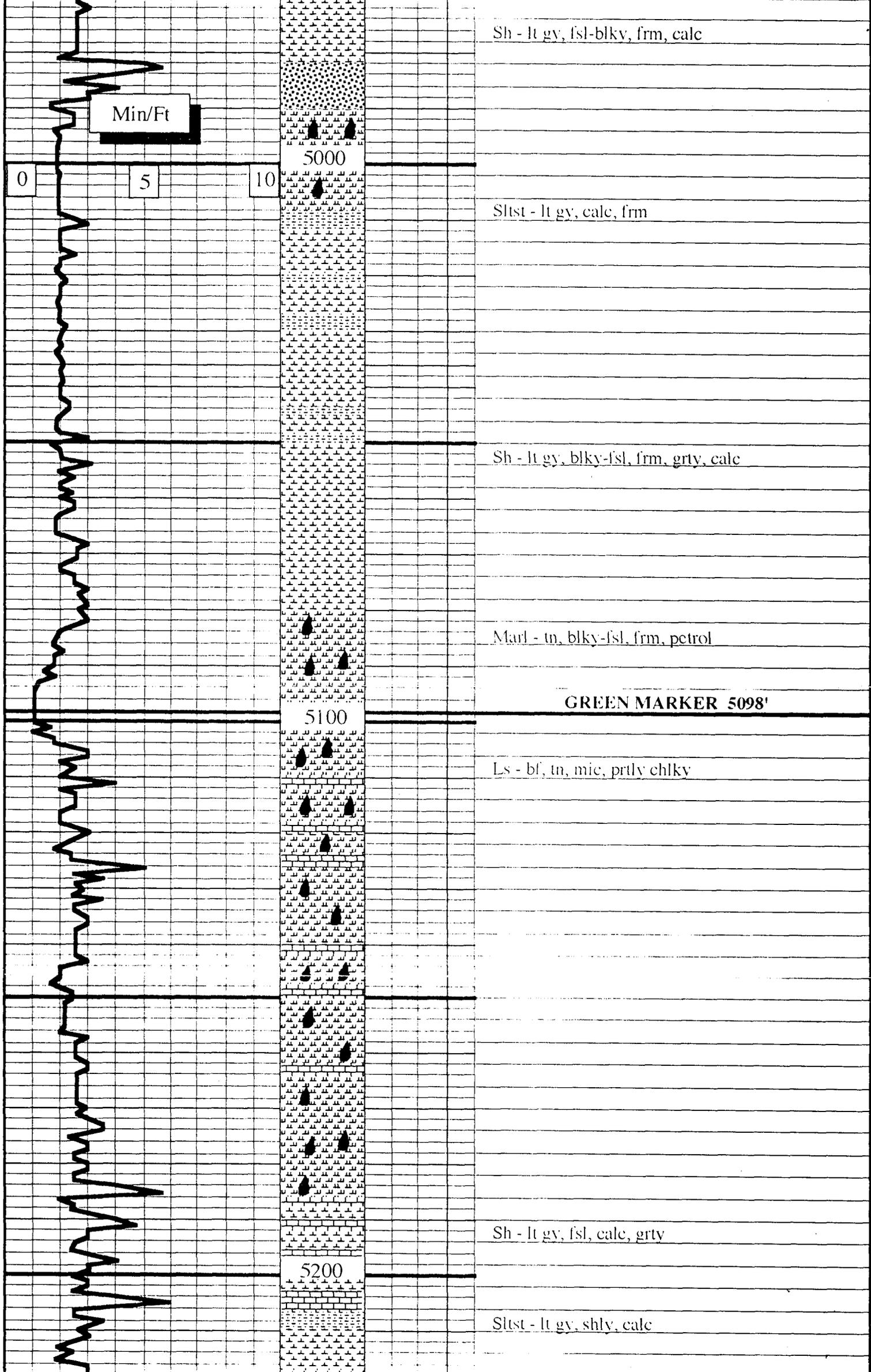
DOUGLAS CREEK 4696'

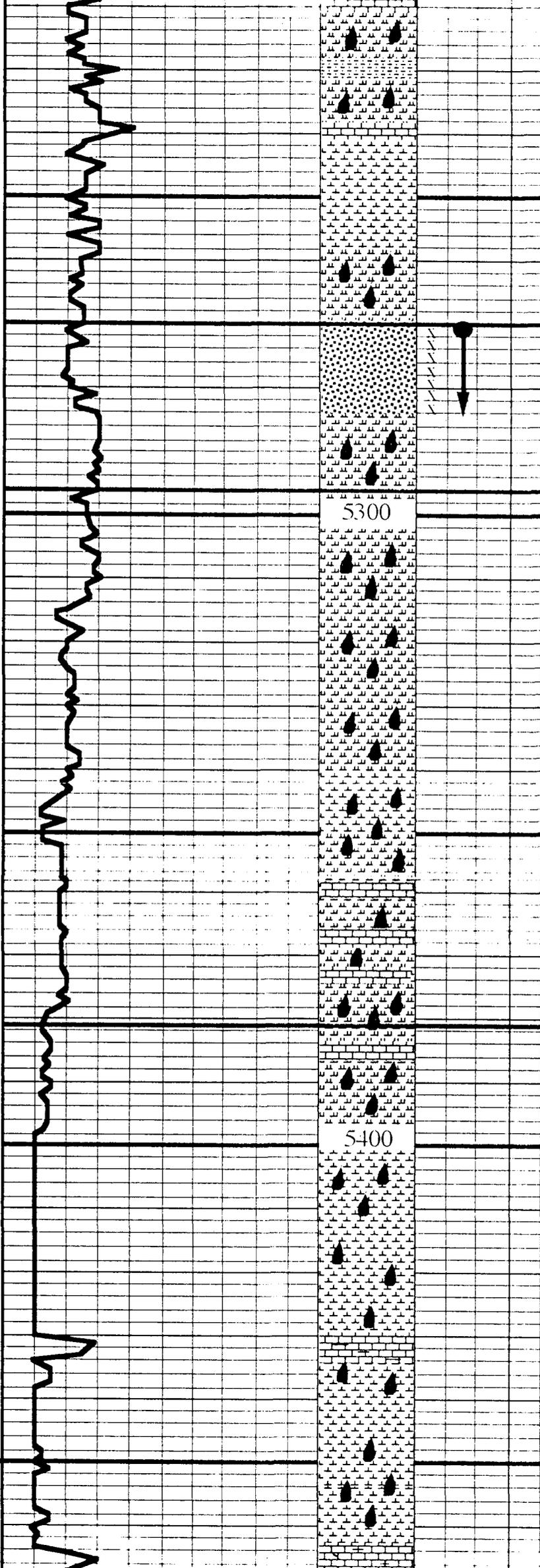
4700

Marl - dk brn, blk-y, frm, petrol

SS - wh, lt gy, vfg, slty, calc, tite, NS







G-4 SANDSTONE 5270'

SS - tn, lt gy, vfg, slty, ang, calc, prtly cly fld,
 pr por, brn OS, yell-brn fluor, strmg ct
 Oil over shaker 1" deep.

G-5 SANDSTONE 5296'

5300

Sh - dk brnsh gy-blk, fsl-blky, brtl, vy petrol

Marl - lt-md gy, tn, brn, hd, prtly grty, blky, petrol

Ls - tn, brn, frag, partly arg

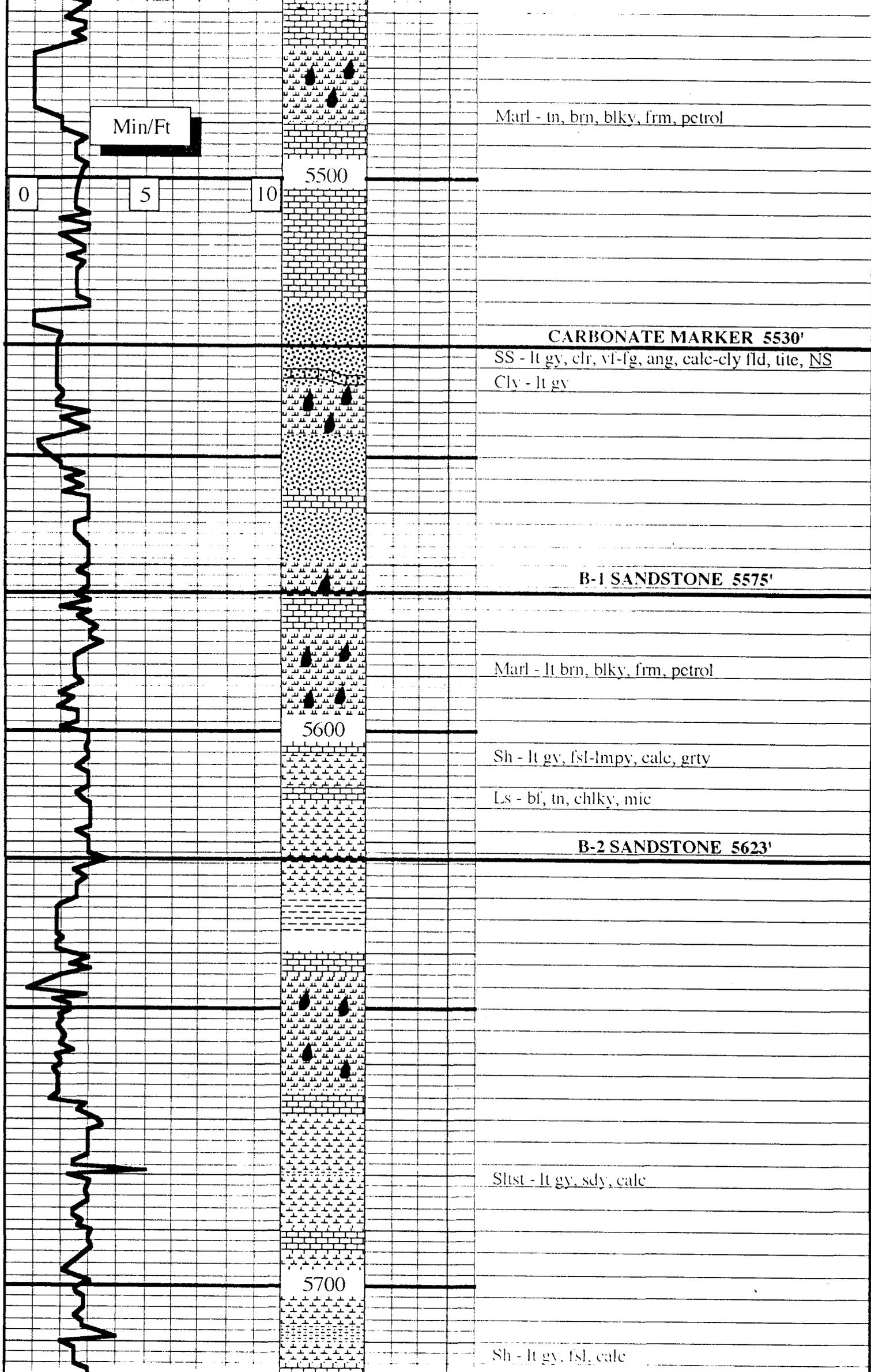
BLACK SHALE FACIES 5381'

5400

Sh - blk, fsl-blky, brtl, petrol

Sh - dk brn-blk, fsl-blky, brtly, petrol

Ls - bf, tn, mic, frag, arg



Min/Ft

0 5 10

5500

Marl - tn, brn, blk, frm, petrol

CARBONATE MARKER 5530'

SS - lt gy, clr, vl-fg, ang, calc-cly fld, tite, NS
Cly - lt gy

B-1 SANDSTONE 5575'

Marl - lt brn, blk, frm, petrol

5600

Sh - lt gy, fsl-impv, calc, grty

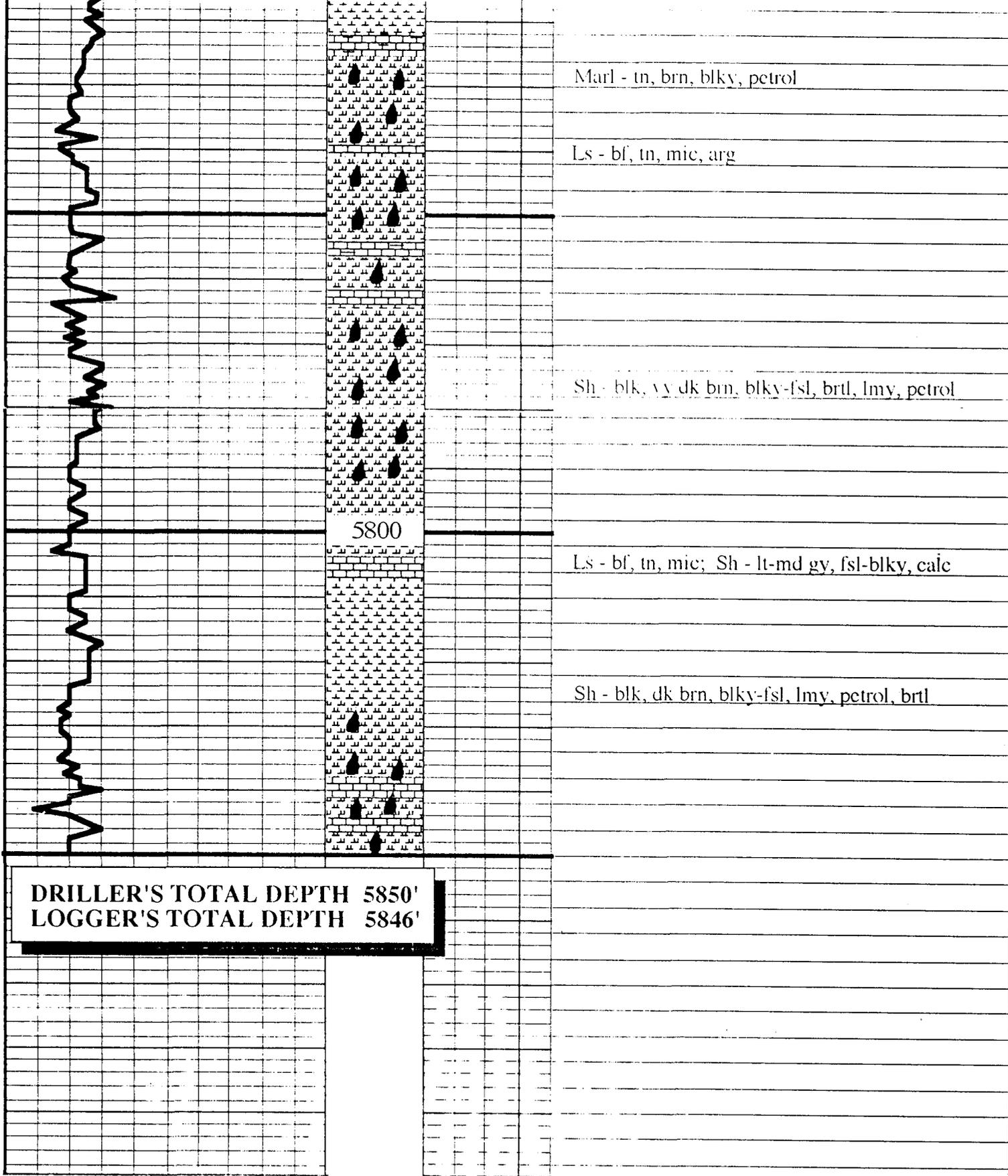
Ls - bf, tn, chlky, mic

B-2 SANDSTONE 5623'

Slst - lt gy, sdy, calc

5700

Sh - lt gy, fsl, calc



Marl - tn, brn, blk, petrol

Ls - bf, tn, mic, arg

Sh - blk, v. dk brn, blk-fsl, brtl, lmy, petrol

5800

Ls - bf, tn, mic; Sh - lt-md gy, fsl-blky, calc

Sh - blk, dk brn, blk-fsl, lmy, petrol, brtl

DRILLER'S TOTAL DEPTH 5850'
LOGGER'S TOTAL DEPTH 5846'

CONFIDENTIAL

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

<p>1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other <u>FEB - 1 1996</u></p> <p>b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESRV. <input type="checkbox"/> Other _____</p> <p>2. NAME OF OPERATOR Equitable Resources Energy Company, Balcron Oil Division</p> <p>3. ADDRESS OF OPERATOR 1601 Lewis Avenue, Billings, MT 59102 (406) 259-7860</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 821' ENL & 2187' FWL At top prod. interval reported below At total depth</p>						<p>5. LEASE DESIGNATION AND SERIAL NO. ML-45555</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME n/a</p> <p>7. UNIT AGREEMENT NAME n/a</p> <p>8. FARM OR LEASE NAME Balcron Monument State</p> <p>9. WELL NO. #21-2-9-17</p> <p>10. FIELD AND POOL, OR WILDCAT Undesignated/Green River</p> <p>11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA NE NW Section 2, T9S, R17E</p>				
<p>14. API NO. 43-047-32703</p> <p>DATE ISSUED 7-14-95</p>		<p>12. COUNTY Uintah</p>	<p>13. STATE Utah</p>		<p>15. DATE SPUNDED 11-29-95</p>	<p>16. DATE T.D. REACHED 12-6-95</p>	<p>17. DATE COMPL. (Ready to prod.) 12-27-95</p>	<p>18. ELEVATIONS (DR. RES. RT. GR. ETC.) 5017' GL</p>	<p>19. ELEV. CASINGHEAD n/a</p>	
<p>20. TOTAL DEPTH, MD & TVD 5850'</p>		<p>21. PLUG BACK T.D., MD & TVD 5761'</p>		<p>22. IF MULTIPLE COMPL., HOW MANY n/a</p>	<p>23. INTERVALS DRILLED BY →</p>	<p>ROTARY TOOLS SFC - TD</p>	<p>CABLE TOOLS n/a</p>			
<p>24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) 4224' - 4920' Green River</p>								<p>25. WAS DIRECTIONAL SURVEY MADE No</p>		
<p>26. TYPE ELECTRIC AND OTHER LOGS RUN NGRT/DSNT/SULT/DLIT CBL/GR <u>MUD LOG</u></p>						<p>27. WAS WELL CORED YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> (Submit analysis) DRILL STEM TEST YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> (See reverse side)</p>				
<p>28. CASING RECORD (Report all strings set in well)</p>										
CASING SIZE		WEIGHT, LB./FT.	DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED	
8-5/8"		24#	257.40'		12-1/4"		160 sxs Class "G" w/additives		None	
5-1/2"		15.5#	5809.28'		7-7/8"		278 sxs Super "G" w/additives		None	
							330 sxs 50/50 POZ w/additives			
<p>29. LINER RECORD</p>										
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	30. TUBING RECORD		SIZE	DEPTH SET (MD)	PACKER SET (MD)	
n/a							2-7/8"	4971.68'	n/a	
<p>31. PERFORATION RECORD (Interval, size and number)</p> <p>4913' - 4920' (5 holes) 4294' - 4312' (8 holes)</p> <p>4817' - 4824' (4 holes)</p> <p>4812' - 4814' (4 holes)</p> <p>4770' - 4790' (10 holes)</p> <p>4224' - 4232' (6 holes)</p>					<p>32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.</p> <p>DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED</p> <p>**Please see attachment.</p>					
<p>33. PRODUCTION</p>										
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)			
12-27-95		1-1/2" Insert Pump					Producing			
DATE OF TEST	HOURS TESTED	CBOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO			
1-7-96	24	n/a	→	67.42	N.M.	6	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	→	67.42	N.M.	6	34				
<p>34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Used for fuel.</p>							<p>TEST WITNESSED BY Dale Griffin</p>			
<p>35. LIST OF ATTACHMENTS ** Section 32, Acid, Shot, Fracture, Cement Squeeze, ETC.</p>										
<p>36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records</p>										
SIGNED <u>Molly Comack</u>		TITLE <u>Operations Secretary</u>				DATE <u>1-31-96</u>				

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.
			No DST's run.
			Green River Horsebench SS 2nd Garden Gulch Douglas Creek Castle Peak
			Meas. Depth True Vert. Depth 1476' 1476' 2327' 2327' 3926' 3926' 4948' 4948' 5530' 5530'

**Attachment to Completion Report
Balcron Monument State #21-2-9-17
NE NW Section 2, T9S, R17E
Uintah County, Utah**

<u>INTERVAL</u>	<u>AMOUNT AND KIND OF MATERIAL USED</u>
4770' - 4824'	Break down with 2016 gallons 2% KCL water.
4913' - 4920'	Break down with 1638 gallons 2% KCL water.
4770' - 4920'	Frac with 163,940# 16/30 mesh sand with 45,318 gallons 2% KCL gelled water.
4224' - 4232'	Break down with 1470 gallons 2% KCL water.
4294' - 4312'	Break down with 1890 gallons 2% KCL water.
4224' - 4312'	Frac with 117,000# 16/30 mesh sand with 32,634 gallons 2% KCL gelled water.

/mc
MC

DAILY OPERATING REPORT

BALCRON MONUMENT STATE #21-2-9-17

Location: NE NW Section 2, T9S, R17E

Uintah County, Utah

821 FNL & 2187' FWL

PTD: 6,000' Formation: Green River

Undesignated Field

Elevations: 5,017' GL

Contractor: Union Drilling #17

Operator: Balcron/EREC

Spud: 11-29-95 @ 11 a.m.

Casing: 8-5/8", 24#, J-55 @ 257.40'

5-1/2", 15.5#, J-55 @ 5809.28'

Tubing: 2-7/8", 6.5#, J-55 @ 4971.68'

---TIGHT HOLE---

11-21/27-95 Build location & install pit liner.

DC: \$13,322

CC: \$13,322

11-30-95 TD: 280' (280') Day 1

Formation: Uintah

MW air & mist

Present Operation: Drill cmt

RU, drill rat hole, set conductor, NU air bowl & drill 12-1/4" hole. Blow hole, TOO, ND air bowl. Run 8-5/8" csg as follows:

Guide Shoe .60'

1 jt 8-5/8" 24# shoe jt 39.30'

Insert Float ---

5 jts 8-5/8" 24# J-55 207.50'

247.40'

Landing jt 10.00'

Csg set @ 257.40'

Cmt by BJ w/160 sxs Class "G" w/2% CCL & 1/4#/sx Cello-Seal. 7 bbls cmt back to pit. Plug down @ 7:30 p.m. WOC, NU BOP & test BOP & manifold to 2000# - OK. Test csg to 1500# - OK. TIH & drill cmt. Utah O&G rep Dave Hackford on cmt job. Well spud @ 11 a.m. 11-30-95.

DC: \$11,423

CC: \$24,745

11-30-95 TD: 1,804' (1,524') Day 2

Formation: Green River

Present Operation: Drilling

Drill cement, drill, survey, clean on rig.

DC: \$20,560

CC: \$45,305

DAILY OPERATING REPORT

BALCRON MONUMENT STATE #21-2-9-17

Location: NE NW Section 2, T9S, R17E

Uintah County, Utah

---TIGHT HOLE---

- 12-2-95 TD: 3,230' (1,426') Day 3
Formation: Horsebench SS
MW air & mist
Present Operation: Drilling
Drill, survey, clean on rig. Hole has been making wtr since around 800' (10-15 gals/min). BGG 20-30 units, CG 350-500 units.
DC: \$18,713 CC: \$64,018
- 12-3-95 TD: 4,125' (895') Day 4
Formation: 2nd Garden Gulch
MW 8.5 VIS 26 pH 10
Present Operation: Drilling
Drill, load hole w/fluid, circ, trip for bit. PU drill collars & drill ahead. BGG 20 unit, CG 300-500 units, TG 500 units.
DC: \$12,756 CC: \$76,774
- 12-4-95 TD: 4,723' (598') Day 5
Formation: Douglas Creek
MW 8.5 VIS 27 pH 10
Present Operation: Drilling
Drill, work on brakes, drill, survey, & clean on rig. Y-2 fair sand, oil show & 80-100 units increase in gas. BGG 20 units, CG 300-500 units.
DC: \$9,836 CC: \$86,610
- 12-5-95 TD: 5,275' (552') Day 6
Formation: G-zone
MW 8.5 VIS 27 pH 10
Present Operation: Drilling
Drill, survey & clean on rig. R-2 or R-3 20' good sand, oil show, 350 unit gas increase. R-5 6' good sand, oil & gas shows. BGG 60 to 80 units, CG 500 to 600 units.
DC: \$8,751 CC: \$95,361
- 12-6-95 TD: 5,850' (575') Day 7
Formation: B-zone
MW 8.5 pH 10
Present Operation: TOOH
Drill, survey, clean on rig, & circ for logs. Drop survey & start out of hole. G-5 - 10' of sand, good oil & gas (not of prognosis). No G-3. B-1 - not much of anything.
DC: \$9,260 CC: \$104,621

DAILY OPERATING REPORT

BALCRON MONUMENT STATE #21-2-9-17

Location: NE NW Section 2, T9S, R17E
Uintah County, Utah

---TIGHT HOLE---

- 12-7-95 TD: 5,850' (0') Day 8
Formation: B-Zone
Present Operation: RDMO
TOOH, log well, TIH w/drill collars & drill pipe. LD drill pipe & collars. Change pipe rams, run 5-1/2" csg as follows:
- | | |
|---------------------------|----------|
| Guide Shoe | .60' |
| 1 jt 5-1/2" 15.5# shoe jt | 44.35' |
| Float shoe | 1.00' |
| 133 jts 5-1/2" 15.5#J-55 | 5753.33' |
| | 5799.28' |
| Landing jt | 10.00' |
| Set @ | 5809.28' |
| PBTD @ | 5763.33' |
- Cmt by BJ w/278 sxs Super "G" w/47#/sx "G", 3#/sx POZ, 34#/sx BA-91, 3% salt, 2% gel, 3%/sx HiSeal & 1/4#/sx CelloSeal. Tail w/330 sxs 50-50 POZ w/2% gel, 1/4#/sx CelloSeal & 2#/sx HiSeal2. Plug down @ 2 a.m. Circ cmt, set slips, ND BOP & clean mud tanks. Release rig @ 6 a.m.
DC: \$63,327 CC: \$167,948
- 12-8-95 Completion
MIRU Cannon Well Service Rig #2. NU 5M wellhead & BOP.
DC: \$1,435 CC: \$169,383
- 12-9-95 Completion
TIH w/4-3/4" bit & scraper & 186 jts. Tag PBTD @ 5761' KB. Circ hole clean w/125 BW. TOOH w/tbg, scraper, & bit. SWIFN.
DC: \$1,957 CC: \$171,340
- 12-11-95 Completion
RU Schlumberger to run CBL from 5750' KB to 2590' KB, TOC @ 2820' KB. Perf 4913'-30' (5 holes), 4812'-14' & 4817'-24' (4 holes) & 4770'-90' (10 holes). RD Schlumberger. TIH w/RBP, retrieving tool, 2-3/8" x 4' sub, HP packer, 2-3/8" x 2-7/8" crossover, SN & 156 jts 2-7/8" tbg. Set BP @ 4856' KB, EOT @ 4731' KB, packer @ 4723' KB. RU BJ Services to break down 4770'-4824' w/2,016 gals 2% KCL wtr. ATP 1800 psi, ATR 4 bpm, ISIP 1050 psi. Pump 2 balls/bbl. Reset BP @ 4981', EOT @ 4853' & packer @ 4845' & break down 4913'-20' w/1,638 gals 2% KCL wtr. ATP 2550 psi, ATR 4.3 ISIP 1300 psi. Pump 2 balls/bbl. TOOH w/tbg, packer, & retrieving tool. SWIFN. 212 BLWTR.
DC: \$6,784 CC: \$178,124

DAILY OPERATING REPORT

BALCRON MONUMENT STATE #21-2-9-17

Location: NE NW Section 2, T9S, R17E

Uintah County, Utah

---TIGHT HOLE---

12-12-95 Completion

RU BJ to frac 4770-4920' w/163,940# 16/30 mesh sand w/45,318 gals 2% KCL gelled wtr. ATP 2600 psi, ATR 41 bpm, ISIP 2090 psi, 5 min 1650 psi, 10 min 1600 psi, 15 min 1580 & 30 min 1420 psi. Start forced closure flow back @ 1 bpm. Flow back 6-1/2 hrs, flowed back 465 BW, & 1000# sand (estimated), flow back temperature 80 deg F. TIH w/retrieving tool, 2-3/8" x 4' sub, HD packer, 2-3/8" x 2-7/8" crossover, SN & 152 jts 2-7/8" tbg. Tag sand 2 4705' KB. Circ down to BP @ 4981' KB. Set packer @ 4731' KB. SWIFN. 826 BLWTR.
DC: \$47,783 CC: \$225,907

12-13-95 Completion

Flow back 25 BW, made 29 swab runs, recovered 3 BO & 141 BW. Last 2 runs 20% oil, no sand last 5 runs & good gas last 15 runs. FL 1900' last 5 runs. Release packer, tag sand @ 4951' KB, circ down to BP @ 4981' KB, used 10 BW. Release BP, reset BP @ 4372' KB. SWIFN.
DC: \$2,095 CC: \$228,002

2-14-95 Completion

RU Schlumberger to perf 4224'-32' (6 holes) & 4294'-4312' (8 holes). RD Schlumberger. TIH w/retrieving tool, 2-3/8" x 4' sub, HD packer, 2-3/8" x 2-7/8" crossover, SN & tbg. Set packer @ 4204' KB, EOT @ 4211' KB, BP @ 4278'. RU BJ Services to break down 4224'-32' w/1,470 gals 2% KCL wtr. ATP 2500 psi, ATR 4.1 bpm, ISIP 1900 psi. Pump 2 balls/bbl. Release packer & BP. Reset BP @ 4378', EOT @ 4275', & packer @ 4267'. RU to break down 4294'-4312' w/1,890 gals 2% KCL wtr, ATP 2700 psi, ATR 4 bpm, ISIP 1900 psi. Pump 2 balls/bbl. TOOH w/tbg, packer & retrieving tools. Flowed back 10 BW. SWIFN.
DC: \$4,191 CC: \$232,193

12-15-95 Completion

RU BJ Services to frac 4224'-4312'. See treatment report. Start frac. End frac. Start forced closure flow back 1.0 BPM. Flow back 6-1/2 hours. Final pressure 30 psi. Flowed back 465 BW, 0 BO, 2% sand, last 2 hours. TIH w/retrieving head, 2-3/8" SN and 133 jts 2-7/8" tubing. Tag sand at 4130' KB. Circulate down to BO at 4372' KB. Pull up and set pkr at 4204' KB. SIFN.
DC: \$39,477 CC: \$269,144

12/16/95 Present operation: Completion

Made 28 swab runs. Recovered 4 BO, 135 BW. Last 2 runs 15% oil. Last 5 runs, no sand. Last 3 runs FL 2200'. Release pkr. Tag sand at 4372' KB. Circulate down to BP at 4372' KB. Used 11 BW. Release BP. TOOH w/tubing, Pkr & BP. TIH w/ tubing production string (1 notched pin collar, 1 jt 2-3/8" EUE J-55, 1 perf sub, 1 SN, 24 jts 2-7/8" EUE J-55, 1 tubing anchor, 135 jts 2-7/8" EUE J-55.) SIFN.
DC: \$2,076 CC: \$269,264

DAILY OPERATING REPORT

BALCRON MONUMENT STATE #21-2-9-17

Location: NE NW Section 2, T9S, R17E

Uintah County, Utah

---TIGHT HOLE---

12/17/95 Completion

ND BOP, ND 5M wellhead, NU3M wellhead. Set tubing anchor w/12" tension (13000#). Flange up wellhead. Flush tubing w/30 bbls 2% KCL water. Tih w/rod production string. Pressure test downhole pump and tubing to 1000 psi - l.k. Clamp rods off. RDMO.

DC: \$1,640

CC: \$270,904

12-27-95 Well started pumping @ 3:30 p.m. 4.25 SPM & 86" stroke. Steve Farnsworth will be pumping.

DC: \$13,189

CC: \$284,093

FEB 11

REPORT OF WATER ENCOUNTERED DURING DRILLING

1. Well name and number: Balcron Monument State #21-2-9-17

API number: 43-013-32703

2. Well Location: QQ NE NW Section 2 Township 9S Range 17E County Uintah

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: Old Route 33 West

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		
800	1450'	Approximately 10 to 15 gallons/min	Not tested.

6. Formation tops: See original completion Report.

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

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

Date: 1-31-96

Name & Signature: Molly Conrad, Molly Conrad

Title: Operations Secretary

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

Operator: EQUITABLE RES. Lease: State: X Federal: Indian: Fee:

Well Name: MONUMENT STATE 21-2-9-17 API Number: 43-047-32703

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

Well Status: POW Well Type: Oil: X Gas:

PRODUCTION LEASE EQUIPMENT: (NUMBER)

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

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

Heater Treater(s): 1

PUMPS:

Triplex: Chemical: Centrifugal: 1

LIFT METHOD:

Pumpjack: X Hydraulic: Submersible: Flowing:

GAS EQUIPMENT: (NUMBER)

Purchase Meter: 0 Sales Meter: 0

TANKS:

	NUMBER	SIZE	
Oil Storage Tank(s):	<u>2</u>	<u>400</u>	BBLs
Water Tank(s):	<u> </u>	<u> </u>	BBLs
Power Water Tank:	<u> </u>	<u> </u>	BBLs
Condensate Tank(s):	<u> </u>	<u> </u>	BBLs
Propane Tank:	<u>1</u>		

Central Battery Location: (IF APPLICABLE)

Qtr/Qtr: Section: Township: Range:

REMARKS: RESERVE PIT IS CLOSED. OIL TANKS HAVE BURNERS. PIT TANK HAS BEEN
INSTALLED. CASINGHEAD GAS USED FOR FUEL WITH PROPANE FOR BACKUP.

Inspector: DAVID W. HACKFORD Date: 3/11/96

↑
North

Top Soil

22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



Wellhead

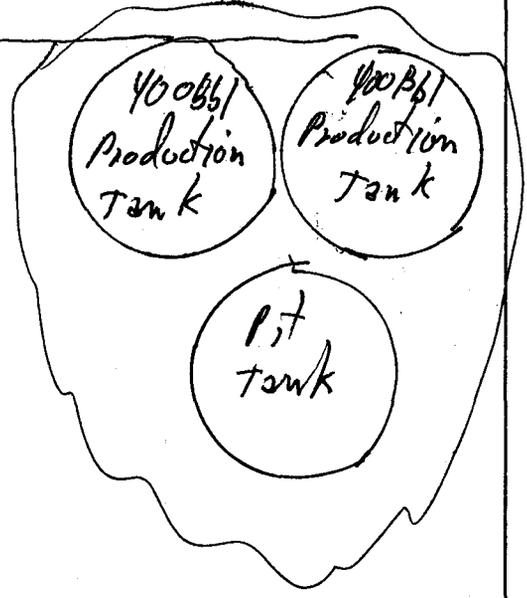


Gas Powered
Pumpjack

Propane

Heater
Treater

Berm



Access

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			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
✓	BALCRON FEDERAL 42-19Y							
4304732616	11756 09S 18E 19		GRRV					
✓	BALCRON FEDERAL 12-20Y							
4304732617	11758 09S 18E 20		GRRV					
✓	BALCRON FEDERAL 32-19Y							
4304732615	11771 09S 18E 19		GRRV					
✓	BALCRON MONUMENT FEDERAL 24-25							
4304732669	11825 08S 17E 25		GRRV					
✓	BALCRON MONUMENT FEDERAL 34-25							
4304732670	11831 08S 17E 25		GRRV					
✓	BALCRON MONUMENT FEDERAL 22-22-8-17Y							
01331538	11842 08S 17E 22		GRRV					
✓	BALCRON MONUMENT FEDERAL 11-22-8-17Y							
4301331539	11845 08S 17E 22		GRRV					
✓	BALCRON MONUMENT FEDERAL 11-20-9-18Y							
4304732712	11846 09S 18E 20		GRRV					
✓	BALCRON MONUMENT FEDERAL 22-20-9-18Y							
4304732711	11852 09S 18E 20		GRRV					
✓	BALCRON MONUMENT FEDERAL 14-3-9-17Y							
4301331535	11857 09S 17E 3		GRRV					
✓	BALCRON MONUMENT FEDERAL 21-10-9-17Y							
4301331537	11859 09S 17E 10		GRRV					
✓	BALCRON MONUMENT STATE 21-2-9-17							
4304732703	11863 09S 17E 2		GRRV					
✓	BALCRON MONUMENT FEDERAL 12-10-9-17Y							
4301331536	11867 09S 17E 10		GRRV					
TOTALS								

COMMENTS: _____

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

Date: _____

Name and Signature: _____

Telephone Number: _____

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		



EQUITABLE RESOURCES
ENERGY COMPANY

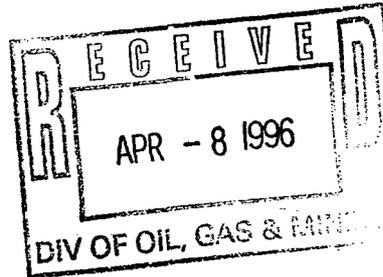
BALCRON OIL DIVISION

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

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

8. Well Name and Number:
See attached listing

9. API Well Number:
See attached listing

10. Field and Pool, or Wildcat:
See attached listing

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

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

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

4. Location of Well
Footages: See attached listing

County: See attached list

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

State: UTAH

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

NOTICE OF INTENT
(Submit in Duplicate)

- 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 Operator name change
- New Construction
- Pull or Alter Casing
- Reperforate
- Vent or Flare
- Water Shut-Off

Date of work completion _____

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

* Must be accompanied by a cement verification report.

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

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

MAR 27 1996

13. Name & Signature: Bobbie Schuman
Bobbie Schuman

Title: Regulatory and Environmental Specialist Date: March 27, 1996

(This space for State use only)

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1	LEP 7-SJ	<input checked="" type="checkbox"/>
2	DES 8-FILE	<input checked="" type="checkbox"/>
3	VLD (GILY)	<input checked="" type="checkbox"/>
4	RJE	<input checked="" type="checkbox"/>
5	IEG	<input checked="" type="checkbox"/>
6	FILM	<input checked="" type="checkbox"/>

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**

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 (406) <u>259-7860</u>	<u>BILLINGS MT 59102-4126</u>
	account no. <u>N9890</u>	phone (406) <u>259-7860</u>
		account no. <u>N9890</u>

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

Name: **SEE ATTACHED**	API: <u>047-32703</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

- Y 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.
- Y 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) ~~for each well listed above.~~ *(4-10-96)*
- Y 6. Cardex file has been updated for each well listed above. *(4-11-96)*
- Y 7. Well file labels have been updated for each well listed above. *(4-11-96)*
- Y 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)*
- Y 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.
- DTS 2. Copies of documents have been sent to State Lands for changes involving State leases.
Sent to Ed Bouncer - Trust Lands

FILMING

WSP 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"

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 requirments. 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

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.

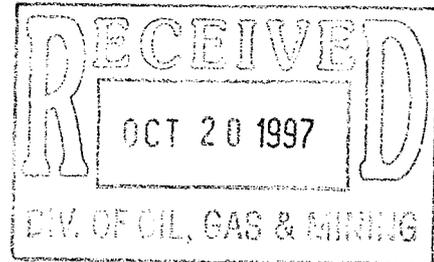
If you should have questions regarding this matter, please do not hesitate to contact me at the number listed below.

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

County:
State:

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

CG, Sec., T., R., M.:

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 Potter **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.*

OPERATOR INLAND PRODUCTION COMPANY
 ADDRESS _____

OPERATOR ACCT. NO. H 5160

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API 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: *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 & REPORTING PURPOSES.											
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.

(3/89)

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

OPERATOR CHANGE WORKSHEET

Routing	
1-LEC ✓	6-MEC ✓
2-GH ✓	7-KAS ✓
3-DPS ✓	8-SIV ✓
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

TO: (new operator)	<u>INLAND PRODUCTION COMPANY</u>	FROM: (old operator)	<u>EQUITABLE RESOURCES ENERGY</u>
(address)	<u>PO BOX 1446</u>	(address)	<u>C/O CRAZY MTN O&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>

WELL(S) attach additional page if needed:

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

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

- Sec 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)
- Sec 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.
- Sec 5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. (12-19-97) (ULIC DBASE E. QUATTRO 12-19-97)
- Sec 6. **Cardex** file has been updated for each well listed above. (12-19-97)
- Sec 7. Well **file labels** have been updated for each well listed above. (12-19-97)
- Sec 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)
- Sec 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/EC 1. (r649-8-7) **Entity assignments have been reviewed** for all wells listed above. Were entity changes made? (yes/no) ____ If entity assignments were changed, attach copies of Form 6, Entity Action Form.
- Y/EC 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."*

- Y/EC 1. (r649-3-1) The **NEW** operator of any fee lease well listed above has furnished a proper bond.
- N/A 2. A **copy of this form** has been placed in the new and former operator's bond files.
- N/A 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

- Y/S 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

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

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 21-2-9-17

9. API Well No.
43-047-32703

10. Field and Pool, or Exploratory Area
UNDESIGNATED

11. County or Parish, State
UINTAH 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)
0821 FNL 2187 FWL NE/NW Section 2, T09S R17E

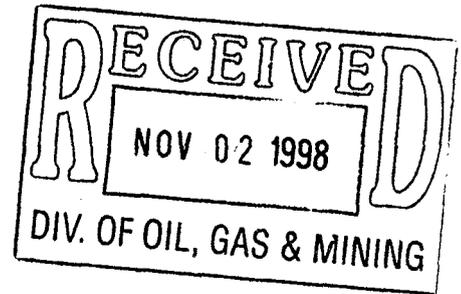
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other Site Security
	<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

Inland Production Company Site Facility Diagram

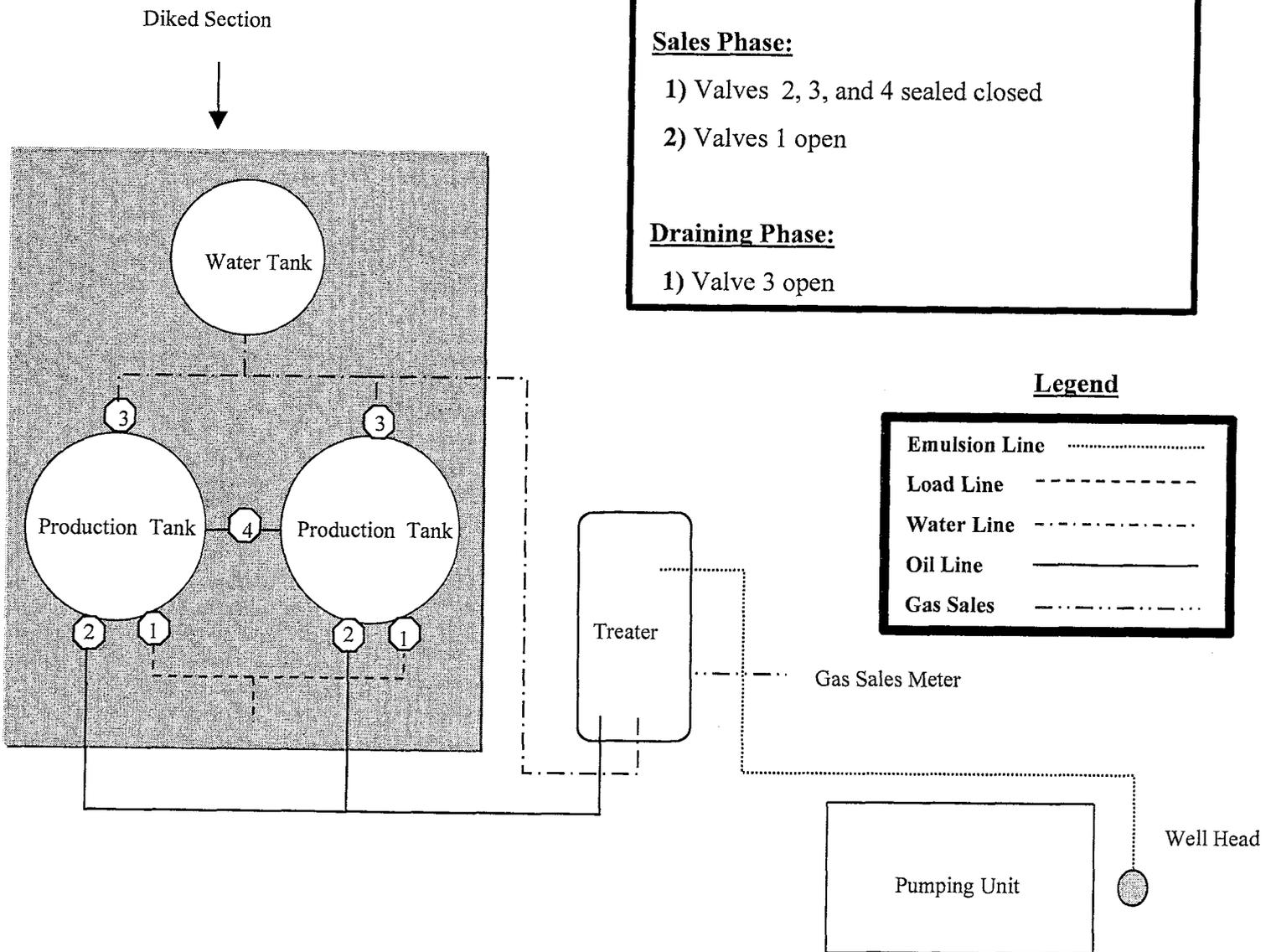
Monument State 21-2

NE/NW Sec. 2, T9S, 17E

Uintah County

May 12, 1998

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





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 1st day of September, 2004.

INLAND RESOURCES INC.

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

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change

Merger

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

9/1/2004

FROM: (Old Operator): N5160-Inland Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721	TO: (New Operator): N2695-Newfield Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721
---	--

CA No.

Unit:

CASTLE DRAW

WELL(S)

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
MON ST 14-2	02	090S	170E	4301331425	12275	State	WI	A
MONUMENT ST 12-2	02	090S	170E	4301331481	12275	State	OW	P
MONUMENT ST 13-2	02	090S	170E	4301331482	12275	State	WI	A
MONUMENT ST 11-2-9-17CD	02	090S	170E	4301331685	12275	State	WI	A
CASTLE DRAW 10-2R-9-17	02	090S	170E	4304731195	12275	State	WI	A
MON ST 31-2-9-17CD	02	090S	170E	4304732563	12275	State	WI	A
MONUMENT ST 22-2	02	090S	170E	4304732610	12275	State	WI	A
MONUMENT ST 24-2	02	090S	170E	4304732612	12275	State	OW	P
BALCRON MON ST 23-2	02	090S	170E	4304732613	12275	State	WS	I
MONUMENT ST 21-2-9-17	02	090S	170E	4304732703	12275	State	OW	P
MONUMENT ST 32-2	02	090S	170E	4304732737	12275	State	OW	P
CASTLE DRAW 8-2	02	090S	170E	4304732842	12275	State	D	PA
CASTLE DRAW 1-2-9-17	02	090S	170E	4304732843	12275	State	OW	S
CASTLE DRAW 9-2-9-17	02	090S	170E	4304733238	12275	State	OW	P
CASTLE DRAW 15-2-9-17	02	090S	170E	4304733239	12275	State	OW	P
CASTLE DRAW 16-2-9-17	02	090S	170E	4304733240	12275	State	WI	A

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

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

6a. (R649-2) 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

SEP 24 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

43,047,32703
 95 NE 2

RE: Additional Well: Castle Draw Area Permit
UIC Permit No. UT20776-00000
Well ID: UT20776-07541
 Monument State 21-2-9-17
 Uintah County, Utah

Dear Mr. Gerbig:

The Newfield Production Company request to convert the former Green River Formation oil well Monument No. 21-2-9-17 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 3769 feet and the top of the Wasatch Formation estimated to be at 6053 feet.

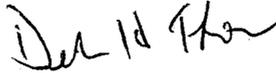
RECEIVED
OCT 03 2007
 DIV. OF OIL, GAS & MINING

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 **1305 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. 312628) and submit the required data to **ATTENTION: Bob Near**, at the letterhead address, citing **MAIL CODE: 8P-W-GW** very prominently.

Sincerely,



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

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, Vice Chairman
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 Champoose, 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:

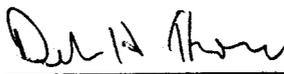
Well Name:	<u>Monument State No. 21-2-9-17</u>
EPA Well ID Number:	<u>UT20776-07541</u>
Location:	221 ft FNL & 2187 ft FWL NE NW Sec. 2 – T9S – R17E Uintah County, Utah.

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: SEP 24 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. 21-2-9-17

EPA Well ID Number: UT 20776-07541

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 (3769 feet) to the top of the Wasatch Formation, (estimated 6053 feet).

Of the two (2) sand/frac treatments conducted on the Monument State No. 21-2-9-17 the minimum calculated fracture gradient (FG) is 0.98 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 1305 psig, based on the following calculation:

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

$$\text{FG} = 0.749 \text{ psi/ft} \quad \text{SG} = 1.015 \quad \text{D} = \underline{4224 \text{ ft}} \text{ (top perforation depth KB)}$$

$$\text{MAIP} = \underline{1305 \text{ psig}}$$

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. 21-2-9-17, 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. 31-2-9-17	NW NE Sec. 2 - T9S - R17E
Well: Balcron Monument State No. 22-2	SE NW Sec. 2 - T9S - R17E
Well: Monument State No. 32-2	SW NE Sec 2 - T9S - R17E

Authorization for Additional Well: UIC Area Permit UT20776-00000
Well: Monument State No. 21-2-9-17 EPA Well ID: UT20776-07541

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. 21-2-9-17: 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–3752 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 of the highest perforation 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 2852 feet to 3023 feet, i.e., approximately fifty (50) feet above the top of the Trona Zone (2902 feet) and the base of the Mahogany Bench (2973 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 (1401 feet) approximately 1350 to 1450 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 1300 feet to 1400 feet.

PLUG NO. 4: Set a Class "G" cement plug within the 5-1/2" casing to 307 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. 21-2-9-17**

EPA Well ID Number: **UT20776-07541**

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 150 feet below ground surface in the Monument State No. 21-2-9-17.

http://NRWRT1.NR.STATE.UT.US: -1180 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 fifty-six (56) feet of shale between the depths of 3696 feet and 3752 feet (KB).

Injection Zone: The Injection Zone at this well location is an approximate 2301 feet of multiple lenticular sand units interbedded with shale, marlstone and limestone from the top of the Garden Gulch Member at 3752 feet (KB) to the top of the Wasatch Formation which is estimated to be at 6053 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 only two (2) feet of 80% or greater cement bond across 56 feet of the confining zone (3696 feet to 3752 feet).

Authorization for Additional Well: UIC Area Permit UT20776-00000
Well: Monument State 21-2-9-17 EPA Well ID: UT20776-07541

Surface Casing: 8-5/8" casing is set at 257 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 5809 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 5763 feet. EPA calculates top of cement at 1909 feet. Estimated CBL top of cement is 2820 feet.

Perforations: Top perforation: **4224 feet** (KB) - Bottom perforation: **4930 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. Only one (Monument State No. 32-2) was found to have 80% or greater cement bond across the confining zone and thus may not prevent injectate movement into the USDWs. The three remaining AOR wells that have no 80% cement bond over their confining zones 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 21-2-9-17 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. 31-2-9-17	NW NE Sec. 2 – T9S - R17E
Well: Balcron Monument State No.22-2	SE NW Sec. 2 – T9S - R17E
Well: Pinehurst Federal No. 32-2	SW 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-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, 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 21-2-9-17

2. NAME OF OPERATOR:

NEWFIELD PRODUCTION COMPANY

9. API NUMBER:

4304732703

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: 821 FNL 2187 FWL

COUNTY: UINTAH

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NENW, 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: 11/15/2007	<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 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 11/15/07.

On 12/14/07 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 csg was pressured up to 1700 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbp pressure was 0 psig during the test. There was not an EPA representative available to witness the test.

EPA# UT20776-07541

API# 43-047-32703

RECEIVED

DEC 24 2007

DIV. OF OIL, GAS & MINING

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 12/19/2007

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: _____ Date: 12 / 17 / 2007
 Test conducted by: J.D. Horrocks
 Others present: _____

Well Name: <u>Monument State 21-2-9-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Monument unit</u>		
Location: <u>NE/NW</u> Sec: <u>2</u> T <u>9</u> N <u>10</u> R <u>17</u> E/W County: <u>Uintah</u> State: <u>ut</u>		
Operator: <u>Newfield Exploration</u>		
Last MIT: <u>/ /</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
TUBING PRESSURE			
Initial Pressure	<u>0</u> psig	psig	psig
End of test pressure	<u>0</u> psig	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	<u>1700</u> psig	psig	psig
5 minutes	<u>1700</u> psig	psig	psig
10 minutes	<u>1700</u> psig	psig	psig
15 minutes	<u>1700</u> psig	psig	psig
20 minutes	<u>1700</u> psig	psig	psig
25 minutes	<u>1700</u> psig	psig	psig
30 minutes	<u>1700</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<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: _____



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8

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

FEB 26 2008

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Eric Sundberg
Regulatory Analyst
Newfield Exploration Company
1401 17th Street, Suite 1000
Denver, CO 80202

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

43 047 32703

RE: **Limited Authorization to Inject**
Monument State 21-2-9-17
NE NW Section 2-T9S-R17E
Uintah County, UT
EPA Permit UT20776-07541

Dear Mr. Sundberg:

Newfield Production Company (Newfield) has satisfactorily completed the Environmental Protection Agency (EPA) **Prior to Commencing Injection** requirements for Final Permit UT20776-07541, effective September 24, 2007. The Part I (Internal) Mechanical Integrity Test (MIT), Well Rework Record (EPA Form No. 7520-12), schematic diagram, and pore pressure calculation, were reviewed and approved by EPA on January 28, 2008.

As of the date of this letter, Newfield is authorized to commence injection into Monument State 21-2-9-17 at a maximum authorized injection pressure (MAIP) of **1305 psig**. 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 to 3752 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 years thereafter.

As of this approval, responsibility for permit compliance and enforcement is transferred to Region 8 UIC Technical Enforcement Program office. Therefore, please direct all monitoring

RECEIVED

MAR 03 2008

DIV. OF OIL, GAS & MINING

and compliance correspondence to the following address, referencing your well name and UIC Permit number on all correspondence regarding this well to:

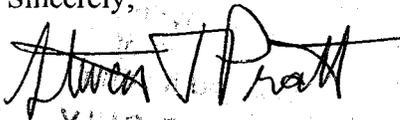
Mr. Nathan Wisner
Technical Enforcement Program – UIC
U.S. EPA Region 8: Mail Code 8ENF-UFO
1595 Wynkoop Street
Denver, CO 80202-1129

Or you may reach Mr. Wisner by telephone at 303-312-6211, or 1-800-227-8917, ext. 312-6211.

Please remember that it is your responsibility to be aware of and to comply with all conditions of Monument State 21-2-9-17, Permit UT20776-07541.

If you have questions regarding the above action, please call Bob Near at 303-312-6278 or 1-800-227-8917, ext. 312-6278.

Sincerely,



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

cc:

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

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

Irene Cuch, Vice-Chairwoman
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
BIA - Uintah & Ouray Indian Agency

Shawn Chapoose, Director
Land Use Department
Ute Indian Tribe

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

Fluid Minerals Engineering Office
BLM - Vernal Office

Michael Guinn
District Manager
Newfield Production Company
Myton, Utah



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8

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

FEB 26 2008

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Accepted by the
Utah Division of
Oil, Gas and Mining

FOR RECORD ONLY

Eric Sundberg
Regulatory Analyst
Newfield Exploration Company
1401 17th Street, Suite 1000
Denver, CO 80202

43 047 32703
9S 17E 2

RE: **Limited Authorization to Inject**
Monument State 21-2-9-17
NE NW Section 2-T9S-R17E
Uintah County, UT
EPA Permit UT20776-07541

Dear Mr. Sundberg:

Newfield Production Company (Newfield) has satisfactorily completed the Environmental Protection Agency (EPA) **Prior to Commencing Injection** requirements for Final Permit UT20776-07541, effective September 24, 2007. The Part I (Internal) Mechanical Integrity Test (MIT), Well Rework Record (EPA Form No. 7520-12), schematic diagram, and pore pressure calculation, were reviewed and approved by EPA on January 28, 2008.

As of the date of this letter, Newfield is authorized to commence injection into Monument State 21-2-9-17 at a maximum authorized injection pressure (MAIP) of **1305 psig**. 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 to 3752 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 years thereafter.

As of this approval, responsibility for permit compliance and enforcement is transferred to Region 8 UIC Technical Enforcement Program office. Therefore, please direct all monitoring

and compliance correspondence to the following address, referencing your well name and UIC Permit number on all correspondence regarding this well to:

Mr. Nathan Wisler
Technical Enforcement Program – UIC
U.S. EPA Region 8: Mail Code 8ENF-UFO
1595 Wynkoop Street
Denver, CO 80202-1129

Or you may reach Mr. Wisler by telephone at 303-312-6211, or 1-800-227-8917, ext. 312-6211.

Please remember that it is your responsibility to be aware of and to comply with all conditions of Monument State 21-2-9-17, Permit UT20776-07541.

FOR RECORD ONLY

If you have questions regarding the above action, please call Bob Near at 303-312-6278 or 1-800-227-8917, ext. 312-6278.

Sincerely,



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

cc:

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

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

Irene Cuch, Vice-Chairwoman
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
BIA - Uintah & Ouray Indian Agency

Shawn Chapoose, Director
Land Use Department
Ute Indian Tribe

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

Fluid Minerals Engineering Office
BLM - Vernal Office

Michael Guinn
District Manager
Newfield Production Company
Myton, Utah

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:
CASTLE DRAW UNIT

8. WELL NAME and NUMBER:
MONUMENT ST 21-2-9-17

9. API NUMBER:
4304732703

10. FIELD AND POOL, OR WILDCAT:
MONUMENT BUTTE

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.

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: 821 FNL 2187 FWL COUNTY: UINTAH
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NENW, 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 checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will <u>09/18/2008</u>	<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"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: _____	<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 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 above reference well was put on injection at 1:00 PM on 8-18-08.

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

NAME (PLEASE PRINT) Kathy Chapman TITLE Office Manager
SIGNATURE *Kathy Chapman* DATE 09/19/2008

(This space for State use only)

RECEIVED
SEP 23 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-45555
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: -
7. UNIT or CA AGREEMENT NAME: CASTLE DRAW UNIT
8. WELL NAME and NUMBER: MONUMENT ST 21-2-9-17
9. API NUMBER: 4304732703
10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE

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.

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

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 821 FNL 2187 FWL
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NENW, 2, T9S, R17E

COUNTY: UINTAH
STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> 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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 02/18/2009	<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 February 12, 2009. Results from the test indicate that the fracture gradient is .773 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed to 1405 psi.

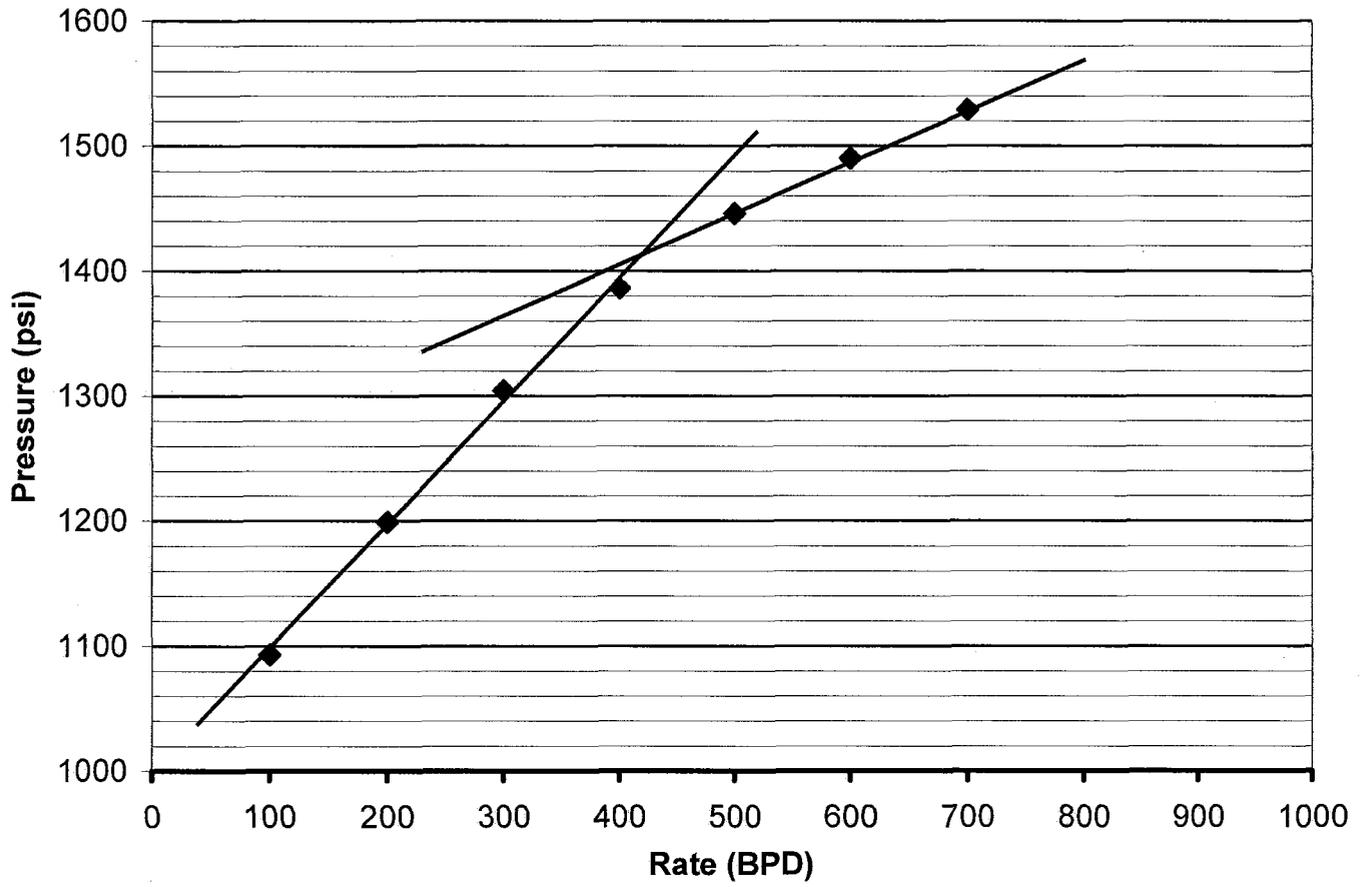
**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY**

NAME (PLEASE PRINT) Cheyenne Bateman TITLE Well Analyst Foreman
SIGNATURE  DATE 02/18/2009

(This space for State use only)

RECEIVED
FEB 23 2009
DIV. OF OIL, GAS & MINING

Monument State 21-2-9-17
Sundance Unit
Step Rate Test
February 12, 2009



Start Pressure: 1003 psi
Instantaneous Shut In Pressure (ISIP): 1494 psi
Top Perforation: 4224 feet
Fracture pressure (Pfp): 1410 psi
FG: 0.773 psi/ft

Step	Rate(bpd)	Pressure(psi)
1	100	1093
2	200	1199
3	300	1304
4	400	1386
5	500	1446
6	600	1490
7	700	1529

PSIA

Absolute Pressure



Monument State 21-2-9-17 SRT
(2-12-09)

Device - PrTemp1000
Serial Number - M75866
Device ID - PrTemp

PSIA

1800

1600

1400

1200

1000

800

600

1800

1600

1400

1200

1000

800

600

09:00:55 AM
Feb 12, 2009
MST

10:20:46 AM
Feb 12, 2009
MST

11:40:38 AM
Feb 12, 2009
MST

01:00:29 PM
Feb 12, 2009
MST

02:20:20 PM
Feb 12, 2009
MST

03:40:12 PM
Feb 12, 2009
MST

05:00:03 PM
Feb 12, 2009
MST



Report Name: PrTemp1000 Data Table
 Report Date: Feb 13, 2009 08:19:41 AM MST
 File Name: S:\Wellinfo\PTC@instruments 2.00\Monument Sate 21-2-9-17 SRT (2-11-09).csv
 Title: Monument State 21-2-9-17 SRT (2-12-09)
 Device: PrTemp1000 - Temperature and Pressure Recorder
 Hardware Revision: REV2C (64K)
 Serial Number: M75866
 Device ID: PrTemp
 Data Start Date: Feb 12, 2009 09:14:59 AM MST
 Data End Date: Feb 12, 2009 04:44:59 PM MST
 Reading Rate: 1 Minute
 Readings: 1 to 91 of 91
 Last Calibration Date: May 21, 2008
 Next Calibration Date: May 21, 2009

<u>Reading</u>	<u>Date and Time (MST)</u>	<u>Absolute Pressure</u>	<u>Annotation</u>
1	Feb 12, 2009 09:14:59 AM	1004.800	PSIA
2	Feb 12, 2009 09:19:59 AM	1004.200	PSIA
3	Feb 12, 2009 09:24:59 AM	1004.000	PSIA
4	Feb 12, 2009 09:29:59 AM	1003.800	PSIA
5	Feb 12, 2009 09:34:59 AM	1003.600	PSIA
6	Feb 12, 2009 09:39:59 AM	1003.200	PSIA
7	Feb 12, 2009 09:44:59 AM	1003.200	PSIA
8	Feb 12, 2009 09:49:59 AM	1030.000	PSIA
9	Feb 12, 2009 09:54:59 AM	1042.200	PSIA
10	Feb 12, 2009 09:59:59 AM	1051.600	PSIA
11	Feb 12, 2009 10:04:59 AM	1058.800	PSIA
12	Feb 12, 2009 10:09:59 AM	1064.800	PSIA
13	Feb 12, 2009 10:14:59 AM	1068.600	PSIA
14	Feb 12, 2009 10:19:59 AM	1072.800	PSIA
15	Feb 12, 2009 10:24:59 AM	1077.200	PSIA
16	Feb 12, 2009 10:29:59 AM	1081.600	PSIA
17	Feb 12, 2009 10:34:59 AM	1086.200	PSIA
18	Feb 12, 2009 10:39:59 AM	1089.600	PSIA
19	Feb 12, 2009 10:44:59 AM	1092.600	PSIA
20	Feb 12, 2009 10:49:59 AM	1118.800	PSIA
21	Feb 12, 2009 10:54:59 AM	1130.800	PSIA
22	Feb 12, 2009 10:59:59 AM	1140.400	PSIA
23	Feb 12, 2009 11:04:59 AM	1148.600	PSIA
24	Feb 12, 2009 11:09:59 AM	1158.000	PSIA
25	Feb 12, 2009 11:14:59 AM	1168.400	PSIA
26	Feb 12, 2009 11:19:59 AM	1171.000	PSIA
27	Feb 12, 2009 11:24:59 AM	1177.600	PSIA
28	Feb 12, 2009 11:29:59 AM	1183.000	PSIA
29	Feb 12, 2009 11:34:59 AM	1189.600	PSIA
30	Feb 12, 2009 11:39:59 AM	1194.800	PSIA
31	Feb 12, 2009 11:44:59 AM	1199.000	PSIA
32	Feb 12, 2009 11:49:59 AM	1222.000	PSIA
33	Feb 12, 2009 11:54:59 AM	1236.200	PSIA
34	Feb 12, 2009 11:59:59 AM	1246.600	PSIA
35	Feb 12, 2009 12:04:59 PM	1255.000	PSIA
36	Feb 12, 2009 12:09:59 PM	1263.800	PSIA
37	Feb 12, 2009 12:14:59 PM	1270.600	PSIA
38	Feb 12, 2009 12:19:59 PM	1277.000	PSIA
39	Feb 12, 2009 12:24:59 PM	1282.400	PSIA
40	Feb 12, 2009 12:29:59 PM	1289.000	PSIA
41	Feb 12, 2009 12:34:59 PM	1294.800	PSIA
42	Feb 12, 2009 12:39:59 PM	1298.600	PSIA
43	Feb 12, 2009 12:44:59 PM	1304.200	PSIA
44	Feb 12, 2009 12:49:59 PM	1325.000	PSIA
45	Feb 12, 2009 12:54:59 PM	1335.000	PSIA
46	Feb 12, 2009 12:59:59 PM	1343.800	PSIA
47	Feb 12, 2009 01:04:59 PM	1350.600	PSIA
48	Feb 12, 2009 01:09:58 PM	1355.000	PSIA
49	Feb 12, 2009 01:14:59 PM	1361.200	PSIA
50	Feb 12, 2009 01:19:59 PM	1364.800	PSIA
51	Feb 12, 2009 01:24:59 PM	1370.600	PSIA
52	Feb 12, 2009 01:29:59 PM	1374.600	PSIA
53	Feb 12, 2009 01:34:59 PM	1378.200	PSIA
54	Feb 12, 2009 01:39:59 PM	1383.200	PSIA
55	Feb 12, 2009 01:44:58 PM	1384.800	PSIA
56	Feb 12, 2009 01:49:58 PM	1405.000	PSIA
57	Feb 12, 2009 01:54:58 PM	1407.800	PSIA
58	Feb 12, 2009 01:59:58 PM	1415.600	PSIA
59	Feb 12, 2009 02:04:58 PM	1419.200	PSIA
60	Feb 12, 2009 02:09:58 PM	1424.400	PSIA

61	Feb 12, 2009 02:14:58 PM	1427.400	PSIA
62	Feb 12, 2009 02:19:58 PM	1432.800	PSIA
63	Feb 12, 2009 02:24:58 PM	1433.800	PSIA
64	Feb 12, 2009 02:29:58 PM	1436.000	PSIA
65	Feb 12, 2009 02:34:58 PM	1441.400	PSIA
66	Feb 12, 2009 02:39:58 PM	1443.800	PSIA
67	Feb 12, 2009 02:44:58 PM	1445.600	PSIA
68	Feb 12, 2009 02:49:58 PM	1455.000	PSIA
69	Feb 12, 2009 02:54:58 PM	1462.600	PSIA
70	Feb 12, 2009 02:59:58 PM	1465.800	PSIA
71	Feb 12, 2009 03:04:58 PM	1470.000	PSIA
72	Feb 12, 2009 03:09:58 PM	1475.600	PSIA
73	Feb 12, 2009 03:14:59 PM	1477.000	PSIA
74	Feb 12, 2009 03:19:59 PM	1476.400	PSIA
75	Feb 12, 2009 03:24:59 PM	1482.200	PSIA
76	Feb 12, 2009 03:29:59 PM	1487.800	PSIA
77	Feb 12, 2009 03:34:59 PM	1486.400	PSIA
78	Feb 12, 2009 03:39:59 PM	1488.000	PSIA
79	Feb 12, 2009 03:44:59 PM	1490.000	PSIA
80	Feb 12, 2009 03:49:59 PM	1503.600	PSIA
81	Feb 12, 2009 03:54:59 PM	1506.400	PSIA
82	Feb 12, 2009 03:59:59 PM	1507.600	PSIA
83	Feb 12, 2009 04:04:59 PM	1512.400	PSIA
84	Feb 12, 2009 04:09:59 PM	1512.800	PSIA
85	Feb 12, 2009 04:14:59 PM	1514.400	PSIA
86	Feb 12, 2009 04:19:59 PM	1517.600	PSIA
87	Feb 12, 2009 04:24:59 PM	1519.800	PSIA
88	Feb 12, 2009 04:29:59 PM	1523.200	PSIA
89	Feb 12, 2009 04:34:59 PM	1523.400	PSIA
90	Feb 12, 2009 04:39:59 PM	1527.800	PSIA
91	Feb 12, 2009 04:44:59 PM	1528.600	PSIA

PSIA

Absolute Pressure

Monument State 21-2-9-17 ISIP
(2-12-09)

Device - PrTemp1000
Serial Number - M75866
Device ID - PrTemp

PSIA

1600

1550

1500

1450

1400

1350

1600

1550

1500

1450

1400

1350

04:40:00 PM
Feb 12, 2009
MST

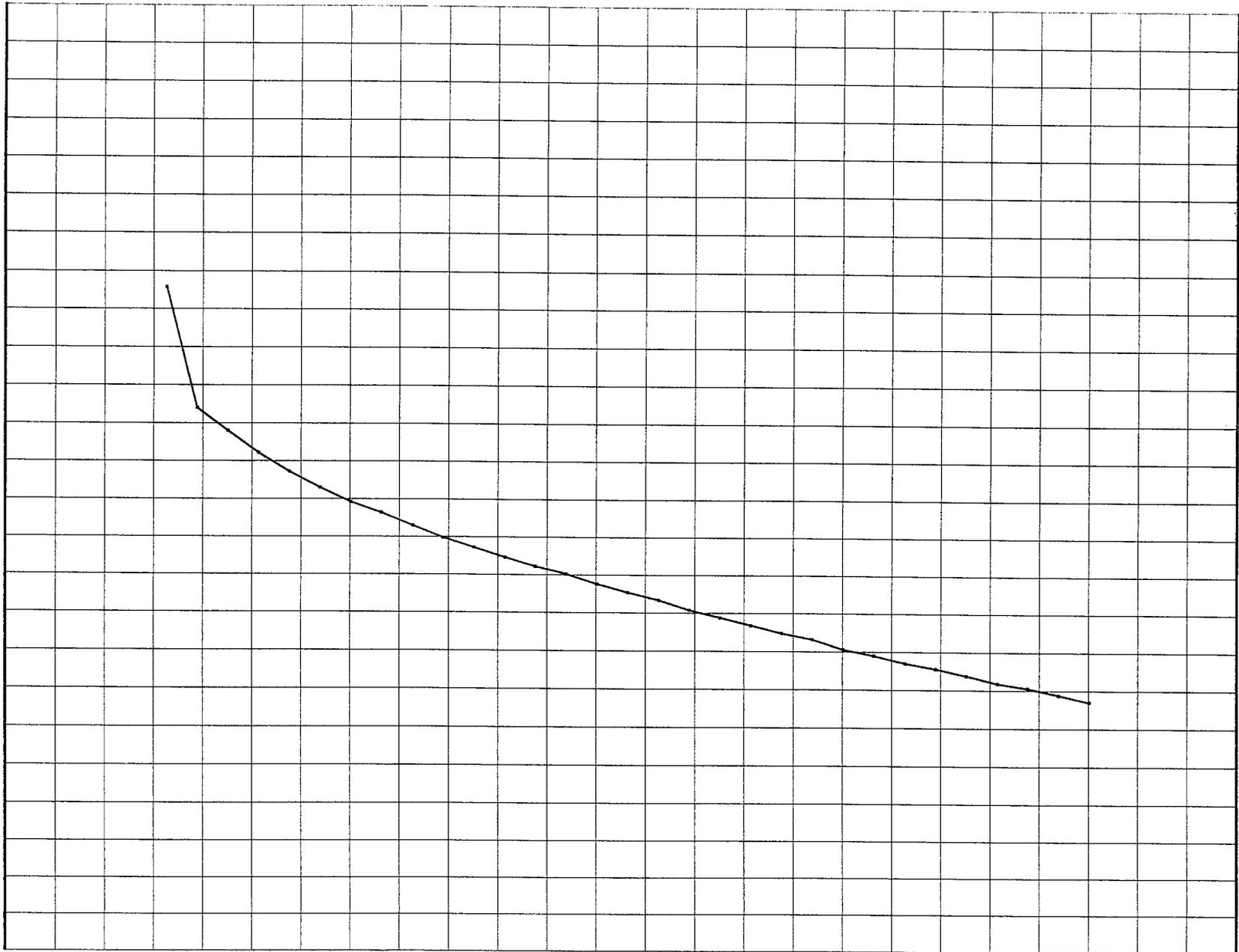
04:48:00 PM
Feb 12, 2009
MST

04:56:00 PM
Feb 12, 2009
MST

05:04:00 PM
Feb 12, 2009
MST

05:12:00 PM
Feb 12, 2009
MST

05:20:00 PM
Feb 12, 2009
MST



Report Name: PrTemp1000 Data Table
 Report Date: Feb 13, 2009 08:19:53 AM MST
 File Name: S:\Wellinfo\PTC@ Instruments 2.00\Monument State 21-2-9-17 ISIP (2-11-09).csv
 Title: Monument State 21-2-9-17 ISIP (2-12-09)
 Device: PrTemp1000 - Temperature and Pressure Recorder
 Hardware Revision: REV2C (64K)
 Serial Number: M75866
 Device ID: PrTemp
 Data Start Date: Feb 12, 2009 04:45:13 PM MST
 Data End Date: Feb 12, 2009 05:15:13 PM MST
 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 (MST)</u>	<u>Absolute Pressure</u>	<u>Annotation</u>
1	Feb 12, 2009 04:45:13 PM	1525.800	PSIA
2	Feb 12, 2009 04:46:13 PM	1494.000	PSIA
3	Feb 12, 2009 04:47:13 PM	1488.000	PSIA
4	Feb 12, 2009 04:48:13 PM	1482.200	PSIA
5	Feb 12, 2009 04:49:13 PM	1477.200	PSIA
6	Feb 12, 2009 04:50:13 PM	1473.000	PSIA
7	Feb 12, 2009 04:51:13 PM	1469.200	PSIA
8	Feb 12, 2009 04:52:13 PM	1466.400	PSIA
9	Feb 12, 2009 04:53:14 PM	1463.000	PSIA
10	Feb 12, 2009 04:54:13 PM	1459.800	PSIA
11	Feb 12, 2009 04:55:13 PM	1457.200	PSIA
12	Feb 12, 2009 04:56:14 PM	1454.600	PSIA
13	Feb 12, 2009 04:57:13 PM	1452.200	PSIA
14	Feb 12, 2009 04:58:13 PM	1450.200	PSIA
15	Feb 12, 2009 04:59:13 PM	1447.600	PSIA
16	Feb 12, 2009 05:00:13 PM	1445.400	PSIA
17	Feb 12, 2009 05:01:13 PM	1443.400	PSIA
18	Feb 12, 2009 05:02:13 PM	1440.800	PSIA
19	Feb 12, 2009 05:03:13 PM	1438.800	PSIA
20	Feb 12, 2009 05:04:13 PM	1436.800	PSIA
21	Feb 12, 2009 05:05:13 PM	1434.800	PSIA
22	Feb 12, 2009 05:06:13 PM	1433.200	PSIA
23	Feb 12, 2009 05:07:13 PM	1430.600	PSIA
24	Feb 12, 2009 05:08:13 PM	1429.000	PSIA
25	Feb 12, 2009 05:09:14 PM	1427.000	PSIA
26	Feb 12, 2009 05:10:13 PM	1425.600	PSIA
27	Feb 12, 2009 05:11:13 PM	1423.800	PSIA
28	Feb 12, 2009 05:12:14 PM	1421.800	PSIA
29	Feb 12, 2009 05:13:13 PM	1420.600	PSIA
30	Feb 12, 2009 05:14:13 PM	1418.800	PSIA
31	Feb 12, 2009 05:15:13 PM	1417.000	PSIA

Federal 21-2-9-17 Rate Sheet (2-12-09)

<i>Step # 1</i>	Time:	9:50	9:55	10:00	10:05	10:10	10:15
	Rate:	100.3	100.3	100.3	100.3	100.2	100.2
	Time:	10:20	10:25	10:30	10:35	10:40	10:45
	Rate:	100.2	100.2	100.2	100.2	100.1	100.1
<i>Step # 2</i>	Time:	10:50	10:55	11:00	11:05	11:10	11:15
	Rate:	200.4	200.4	200.3	200.3	200.3	200.3
	Time:	11:20	11:25	11:30	11:35	11:40	11:45
	Rate:	200.2	200.2	200.1	200.1	200	200
<i>Step # 3</i>	Time:	11:50	11:55	12:00	12:05	12:10	12:15
	Rate:	300.6	300.6	300.6	300.5	300.5	300.5
	Time:	12:20	12:25	12:30	12:35	12:40	12:45
	Rate:	300.5	300.4	300.4	300.4	300.3	300.3
<i>Step # 4</i>	Time:	12:50	12:55	1:00	1:05	1:10	1:15
	Rate:	400.5	400.5	400.5	400.5	400.3	400.3
	Time:	1:20	1:25	1:30	1:35	1:40	1:45
	Rate:	400.3	400.3	400.3	400.3	400.3	400.2
<i>Step # 5</i>	Time:	1:50	1:55	2:00	2:05	2:10	2:15
	Rate:	500.7	500.7	500.7	500.7	500.6	500.6
	Time:	2:20	2:25	2:30	2:35	2:40	2:45
	Rate:	500.6	500.5	500.5	500.4	500.4	500.4
<i>Step # 6</i>	Time:	2:50	2:55	3:00	3:05	3:10	3:15
	Rate:	600.3	600.3	600.3	600.2	600.2	600.2
	Time:	3:20	3:25	3:30	3:35	3:40	3:45
	Rate:	600.2	600.2	600.1	600.1	600.1	600.1
<i>Step # 7</i>	Time:	3:50	3:55	4:00	4:05	4:10	4:15
	Rate:	700.6	700.6	700.6	700.6	700.5	700.4
	Time:	4:20	4:25	4:30	4:35	4:40	4:45
	Rate:	700.4	700.4	700.4	700.3	700.3	700.3
	Time:						
	Rate:						
	Time:						
	Rate:						



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

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

95 17E 2
RE: Underground Injection Control (UIC)
**Minor Permit Modification No. 1 and
Authorization to Continue Injection**
EPA UIC Permit UT20776-07541
Well: Monument State 21-2-9-17
Uintah County, Utah
API # 43-047-32703

Dear Mr. Guinn:

The Environmental Protection Agency (EPA) received the results from the February 12, 2009 Step Rate Test (SRT) on the Monument State 21-2-9-17 well. The test concluded the fracture gradient to be 0.773 psi/ft. Therefore, the **maximum allowable injection pressure (MAIP) is increased to 1,405 psig**, from the 1,305 psig specified in the Final Permit.

EPA also received the results of the February 17, 2009 Radioactive Tracer Survey (RTS) on the Monument State 21-2-9-17 well. EPA has determined that the test adequately demonstrated that injected fluids will remain in the authorized interval at the MAIP of 1,405 psig. The results of the RTS were reviewed and approved by EPA on March 4, 2009.

As of the date of this letter, the **EPA hereby authorizes injection into the Monument State 21-2-9-17 well under the terms and conditions of EPA UIC Permit UT20776-07541 at an MAIP of 1,405 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

RECEIVED
MAR 17 2009
DIV. OF OIL, GAS & MINING

demonstration must be run to show that the injected fluids will remain in the authorized injection interval at the higher pressure.

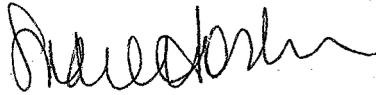
As of this approval, responsibility for Permit Compliance and Enforcement is transferred to Region 8 UIC Technical Enforcement Program office. Therefore, please direct all future notification, reporting, monitoring and compliance correspondence to the following address, referencing your well name and 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,



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

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: ML-45555
1. TYPE OF WELL Water Injection Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	8. WELL NAME and NUMBER: MONUMENT ST 21-2-9-17
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0821 FNL 2187 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 02 Township: 09.0S Range: 17.0E Meridian: S	9. API NUMBER: 43047327030000
9. FIELD and POOL or WILDCAT: MONUMENT BUTTE	COUNTY: Uintah
9. API NUMBER: 43047327030000	STATE: UTAH

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

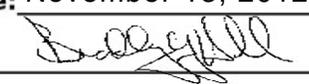
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/6/2012	<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 type="text" value="5 YR MIT"/>

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

On 11/05/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 11/06/2012 the casing was pressured up to 1075 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test . The tubing pressure was 1342 psig during the test. There was a State representative available to witness the test - Chris Jensen.

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

Date: November 13, 2012

By: 

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 11/9/2012	

Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

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

Witness: Chris Jensen Date 11/6/12 Time 12:45 am pm
Test Conducted by: Chris Walters
Others Present: _____

Well: <u>monument state 212-9-17</u>	Field: <u>monument Butte</u>
Well Location: <u>NE/NE 1/4 Sec. 2</u>	API No: <u>43-047-32703</u>
<u>T9S R17E Uintah County, UT</u>	

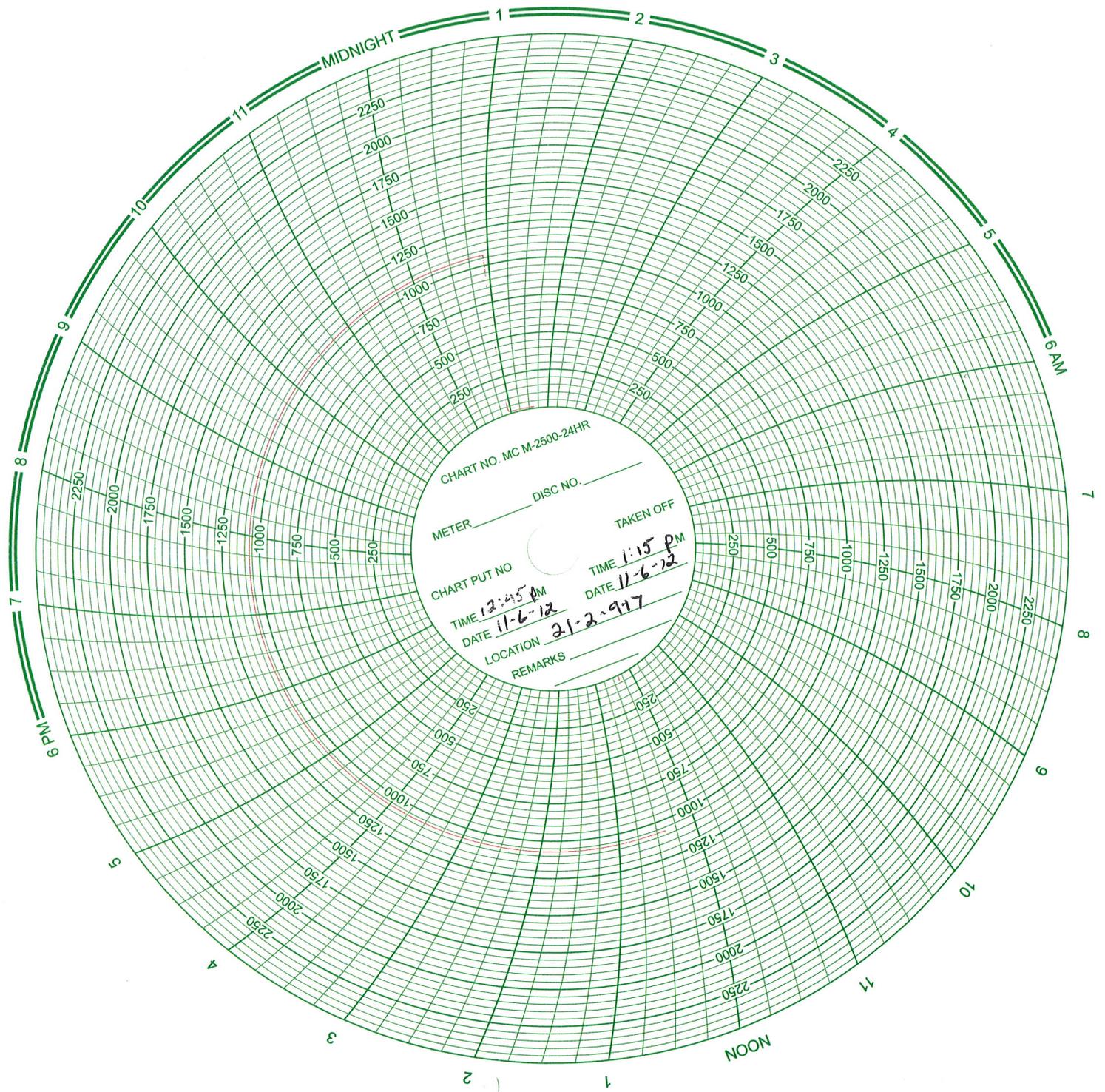
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1075</u>	psig
5	<u>1075</u>	psig
10	<u>1075</u>	psig
15	<u>1075</u>	psig
20	<u>1075</u>	psig
25	<u>1075</u>	psig
30 min	<u>1075</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 1342 psig

Result: Pass Fail

Signature of Witness: _____

Signature of Person Conducting Test: _____



Monument State #21-2-9-17

Spud Date: 11/29/95
 Put on Production: 12/27/95
 GL: 5017' KB: 5027'

Initial Production: BOPD,
 MCFD, BWPD

Injection Wellbore
 Diagram

SURFACE CASING

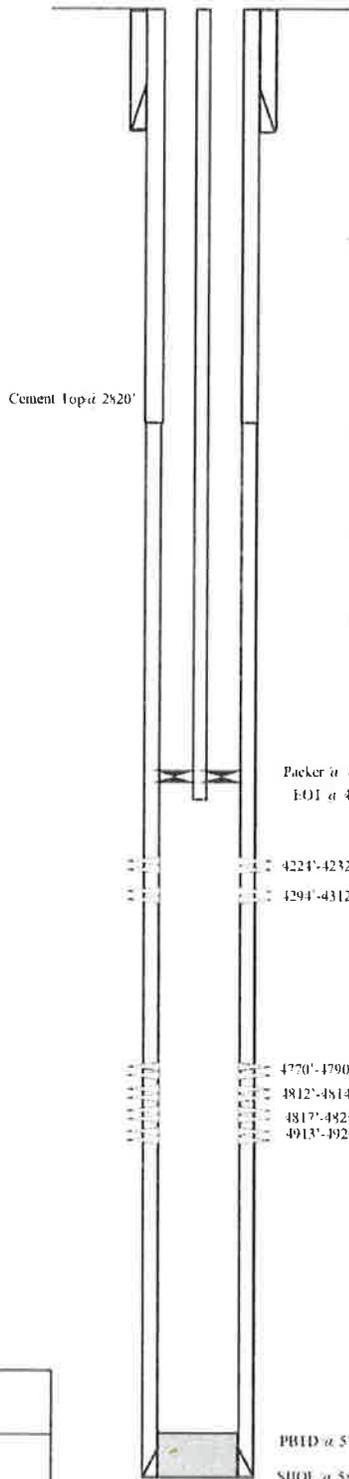
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 21#
 LENGTH: (247.4')
 DEPTH/LANDED: 257.4' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 svs Class G cement

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: (5799.28')
 DEPTH/LANDED: 5809.28' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 278 svs Super Class G + 330 svs 50-50 POZ
 CEMENT TOP AT: 2520' per CBL

TUBING

SIZE/GRADE: WT-2 7/8" J-55 + 6.5#
 NO. OF JOINTS: 134 jts (4157.68')
 TOTAL STRING LENGTH: FOI @ 1175 (8' KB)



FRAC JOB

12/12/95 4770'-4920' **Frac zone as follows:**
 163,940' 16-30 sand in 45,318 bbls 2% KCl
 frac fluid. Treated @ avg press of 2600 psi
 w/avg rate of 41 BPM ISIP 2090 psi

12/15/95 4294'-4312' **Frac zone as follows:**
 117,000# 16-30 sand in 32,634 bbls 2% KCl
 frac fluid. Treated @ avg press of 2750 psi
 w/avg rate of 31.4 BPM ISIP 2450 psi

ACID JOB -BREAKDOWN

12/11/95 4913'-4920' BJ Services: 1638 gal 2% KCl
 water w/ 10 ball sealers. Balled
 off. ATP: 2550 psi, ATR: 4.3 bpm
 ISIP: 1300 psi

12/11/95 4770'-4790'
 4812'-4814'
 4817'-4824' BJ Services: 2016 gal 2% KCl
 water w/ 28 ball sealers. Balled
 off. ATP: 1800 psi, ATR: 4.0 bpm,
 ISIP: 1050 psi

12/14/95 4294'-4312' BJ Services: 1890 gal 2% KCl
 water w/ 16 ball sealers. Ball
 action but no ball off. ATP: 2700 psi,
 ATR: 4.0 bpm, ISIP: 1900 psi

12/14/95 4224'-4232'
 4294'-4312' BJ Services: 1470 gal 2% KCl water
 w/ 12 ball sealers. Balled off. ATP:
 2500 psi, ATR: 4.1 bpm, ISIP: 1900 psi

11/15/07 **Well converted to an Injection well.
 MII completed and submitted.**

PERFORATION RECORD

2/11/95	4913'-4930'	4 JSPF	05 holes
2/11/95	4812'-4814'	4 JSPF	02 holes
2/11/95	4817'-4824'	4 JSPF	02 holes
2/11/95	4770'-4790'	4 JSPF	10 holes
2/14/95	4224'-4232'	4 JSPF	06 holes
2/14/95	4294'-4312'	4 JSPF	08 holes

NEWFIELD

Balcron Monument St. #21-2-9-17

821' ENL & 2187' FWL

NE NW Section 2-19S-R17E

Uintah Co, Utah

API # 43-047-32703; Lease # ML-45555

PBID @ 5763'
 SHOE @ 5809'
 TD @ 5850'