

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL       DEEPEN       PLUG BACK

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

2. NAME OF OPERATOR  
 Diamond Shamrock Corp.

3. ADDRESS OF OPERATOR  
 250 East 100 South Vernal, Utah 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)  
 At surface  
 1980' FEL 660' FSL Sec. 8, T9S, R17E, S.L.B. & M.  
 At proposed prod. zone  
 Same

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

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  
 660'

16. NO. OF ACRES IN LEASE  
 1295.31

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 40

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 1320'

19. PROPOSED DEPTH  
 6000'

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 5338'

22. APPROX. DATE WORK WILL START\*  
 June 25, 1983

5. LEASE DESIGNATION AND SERIAL NO.  
 U-7978

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
 Paiute

7. UNIT AGREEMENT NAME  
 Paiute

8. FARM OR LEASE NAME

9. WELL NO.  
 #34-8 PAIUTE

10. FIELD AND POOL, OR WILDCAT  
 Field Monument Butte

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Sec. 8, T9S, R17E, S.L.M.

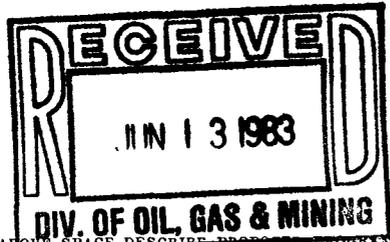
12. COUNTY OR PARISH  
 Duchesne

13. STATE  
 Utah

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12½"	8-5/8"	32# K-55	250'	circulate to surface
7-7/8"	5½"	15.5# K-55	T.D. 6000'	circulate to surface

Drill 12½" hole to approximately 250' set 8-5/8" casing. Set up B.O.P. as required and pressure test. Drill 7-7/8" hole to approximately 6000' if production is found feasible set 5½" production casing.



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

SIGNED Russ Fusio TITLE District Superintendent DATE June 6, 1983

(This space for Federal or State office use)

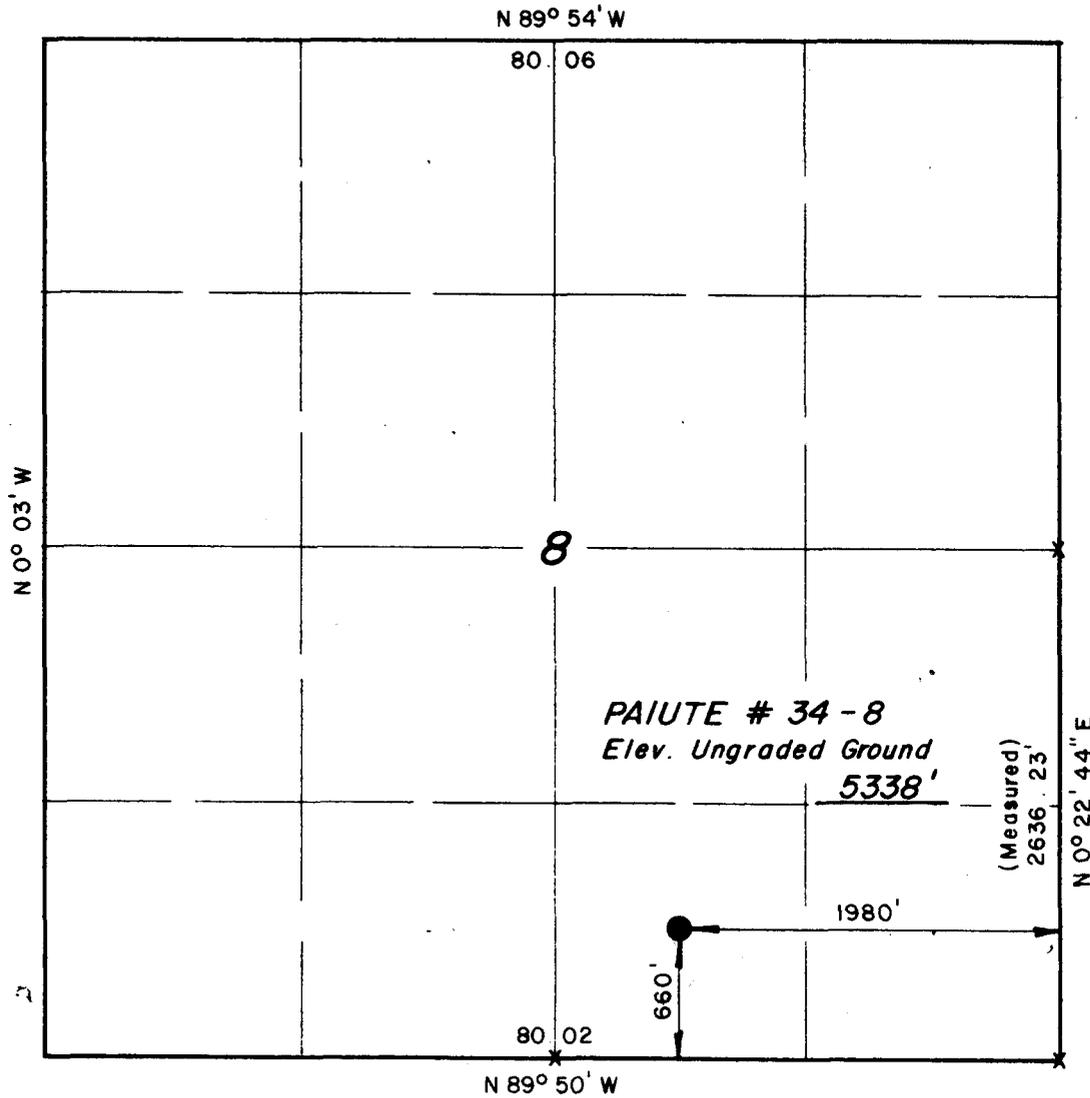
PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
 APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE STATE  
 OF UTAH DIVISION OF  
 OIL, GAS, AND MINING  
 DATE: 6-14-83  
 BY: [Signature]

T 9 S, R 17 E, S.L.B. & M.

PROJECT  
**DIAMOND SHAMROCK CORP.**

Well location, PAIUTE #34-8,  
 located as shown in the SW1/4 SE1/4  
 Section 8, T9S, R17E, S.L.B.&M.  
 Duchesne County, Utah.



CERTIFICATE

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 3154  
 STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING  
 P.O. BOX Q - 85 SOUTH - 200 EAST  
 VERNAL, UTAH - 84078

X = Section Corners Located

SCALE 1" = 100'	DATE 6 / 3 / 83
PARTY R.T. G.S. T.J.      B.F.W.	REFERENCES GLO Plat
WEATHER Cloudy & Warm	FILE Diamond Shamrock

Diamond Shamrock Corporation  
Well No. 34-8  
Section 8, T. 9 S., R. 17 E.  
Duchesne County, Utah  
Lease U-7978

#### Supplemental Stipulations

- 1) The maximum width of access roads will be 30 feet total disturbed area. Turnouts will not be required and traveling off the right-of-way will not be allowed.
- 2) Topsoil will be stockpiled as addressed in the applicant's 13 Point Plan. It is recommended the top 6-10 inches of topsoil material be stockpiled.
- 3) The BLM will be notified at least 24 hours prior to any construction or rehabilitation.
- 4) A burn pit will not be constructed. There will be no burying of garbage or trash at the location. No trash will be thrown in the reserve pit. All trash must be contained and hauled to the nearest sanitary landfill.
- 5) All permanent (on site for six (6) months duration or longer) structures constructed or installed, including the pumpjack, shall be painted a flat, non-reflective, earth tone color to match Tnemec 23-08351 Mesa Brown Enduratone or an approved equal. All facilities shall be painted within six months of when the production facilities are put in place. Facilities that are required to comply with O.S.H.A. (Occupational Safety and Health Act) standards are excluded.
- 6) Reserve pits will be fenced with a wire mesh fence topped with at least one strand of barbed wire.
- 7) Adequate and sufficient electric/radioactive logs will be run to locate and identify the prime oil shale horizons in the Green River formation. Casing and cementing programs will be adjusted to eliminate any potential influence of the well bore or productive hydrocarbon zones on the oil shale resource. Surface casing program may require adjustment for protection of fresh water aquifers. (See attached tentative casing program for the Uinta Basin.)

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24. SIGNED Russ Lucia TITLE District Superintendent DATE June 6, 1983

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE E. W. Guynn  
 APPROVED BY W. M. [Signature] TITLE District Oil & Gas Supervisor DATE JUL 01 1983  
 CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL  
STATE O & G

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A DATED 1/1/80

5. LEASE DESIGNATION AND SERIAL NO. U-7978  
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
 7. UNIT AGREEMENT NAME LAKE CITY, UTAH  
 8. FARM OR LEASE NAME  
 9. WELL NO. #34-8  
 10. FIELD AND POOL, OR WILDCAT Field  
 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 8, T9S, R17E, S.L.M.  
 12. COUNTY OR PARISH Duchesne 13. STATE Utah

OIL & GAS RECEIVED  
JUN 7 1983

1. GEOLOGICAL NAME OF SURFACE FORMATION

(A) Uinta Formation of Eocene Age

2. TOPS OF IMPORTANT GEOLOGICAL MARKERS

(A) Top Oil Shale	1,410'
(B) Horse Bench Sand	2,104'
(C) Base Oil Shale	2,761'
(D) Garden Gulch MBR	3,508'
(E) Garden Gulch III	3,716'
(F) Garden Gulch II	3,978'
(G) Douglas Creek MBR	4,488'
(H) Douglas Creek V Sand	4,567'
(I) Douglas Creek IV Sand	4,664'
(J) Douglas Creek II Sand	4,977'
(K) Upper Black Shale	5,125'
(L) Wasatch Tongue MBR	5,280'
(M) Wasatch Tongue III Sand	5,366' ✓
(N) Lower Black Shale	5,753'
(O) T.D.	6,000'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL OR GAS

(A) Oil anticipated at 4567' in Douglas Creek I Sand Member  
(Water not anticipated)

(B) Oil anticipated in Wasatch Tongue III Sand Formation  
5366'

4. PROPOSED CASING PROGRAM

(A) 250' of 8 5/8" surface casing 32# per foot.  
6000' of 5 1/2" 15.5# per foot. (K-55)

5. SPECIFICATION FOR PRESSURE CONTROL EQUIPMENT

(A) 12 inch 3000# Double Hydraulic B.O.P. with Pipe Rams  
and Blind Rams and Spherical B.O.P.

(B) B.O.P. to be pressure tested before spudding and daily  
testing of closing units and rams while drilling.

6. PROPOSED CIRCULATING MEDIUM

(A) Brine water is proposed to be used unless additional  
weight is needed to control pressures or heaving  
shale. In this event a chemical-gel fresh water mud  
will be used and Barite as needed to control pressure.

7. AUXILIARY EQUIPMENT TO BE USED

- (A) Upper Kelly Cock
- (B) Float At Bit
- (C) Floor T.I.W. Valve (stabbing valve) for drill pipe
- (D) Gas Detector Logging Unit

8. TESTING LOGGING AND CORING PROGRAM

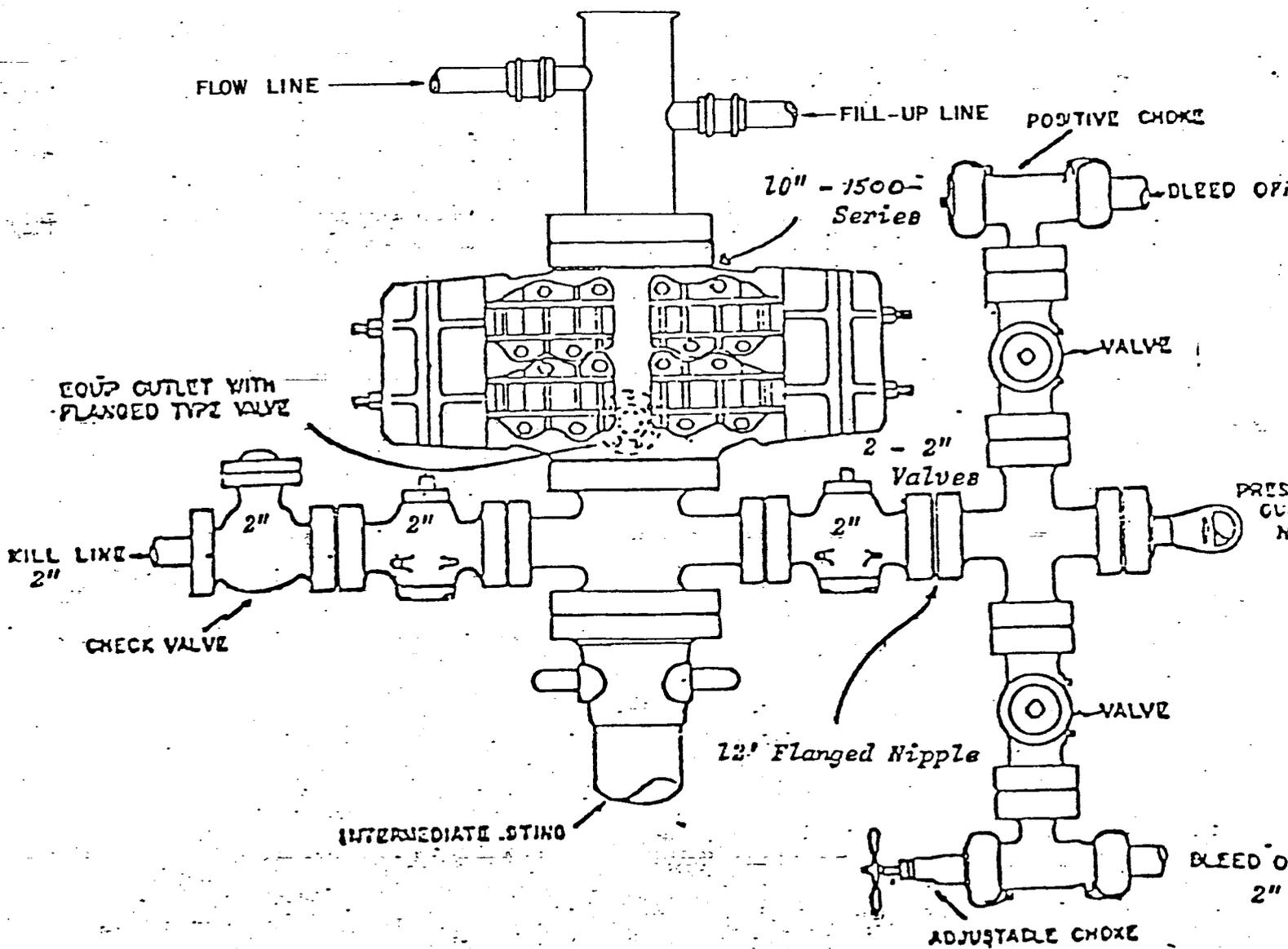
- (A) DIL - SFL Surface casing to T.D.
- (B) FDC - CNL Surface casing to T.D.
- (C) Cyberlook 3000' to T.D.

9. ANTICIPATED ABNORMAL PRESSURES, TEMPERATURES OF HAZARDS

- (A) No abnormal pressure expected
- (B) No Hydrogen Sulfide Gas Expected

10. STARTING DATE AND DURATION OF OPERATIONS

- (A) Anticipated starting date as soon as approvals are made.
- (B) This well is anticipated to be drilled in approximately 30 days.



NOTE: BLOWOUT PREVENTER HAS DOUBLE RAMS;  
 ONE BLIND AND ONE PIPE RAM.

Diag. A

DIAMOND SHAMROCK CORPORATION

13 Point Surface Use Plan

Well Location

Paiute #34-8 ✓

Located In

Section 8, T9S, R17E, S.L.B. & M.

Duchesne County, Utah

1. EXISTING ROADS

See attached Topographic Map "A".

To reach DIAMOND SHAMROCK CORPORATION, well location site Paiute #34-8, located in the SW 1/4 SE 1/4 Section 8, T9S, R17E, S.L.B. & M., Duchesne County, Utah:

Proceed Westerly out of Myton, Utah along U.S. Highway 40 - 1.7 miles + to the junction of this Highway and Utah State Highway 53; proceed Southerly along Utah State Highway 53 - 1.6 miles to its junction with Utah State Highway 216; proceed Southerly along State Highway 216 - 11.5 miles to its junction with a road to the Southwest; proceed in a Southwesterly direction along this road 0.5 miles to the proposed access road to be described in Item #2.

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

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 216 exits to the South; thereafter the road is constructed with existing materials and gravels. The Highways are maintained by Utah State road crews. All other roads are maintained by County crews.

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

2. PLANNED ACCESS ROAD

See Topographic Map "B".

The planned access road leaves the existing road described in Item #1 in the SW 1/4 SE 1/4 Section 8, T9S, R17E, S.L.B. & M., and proceeds in a Southeasterly direction approximately 250' to the proposed location site.

The proposed access road will be an 18' crown road (9' either side of the centerline) with drain ditches along either side of the proposed road where it is determined necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area.

Back slopes along the cut areas of the road will be 1 1/2 to 1 slopes and terraced.

There will be no turnouts required along this road.

There are no fences encountered along this access road therefore there are no gates or cattleguards required.

The lands involved in this action are under B.L.M. jurisdiction.

The terrain that is traversed by this road is relatively flat. The grade of this road will not exceed 8%.

3. LOCATION OF EXISTING WELLS

There are approximately 18 existing wells within a one mile radius of this proposed location site.

There are no known water wells, abandoned wells, shut-in wells or wells for observation or for other resources within a one mile radius.

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

There are existing production facilities belonging to DIAMOND SHAMROCK CORPORATION within a one mile radius.

A tank battery site will be set at the proposed location site. This battery will be used to contain production from this well. If in the event this battery can not be improvised, a flowline will be built which will extend to existing facilities in the area.

The area will be built if possible, with native materials and if these materials are not available then the necessary arrangements will be made to get them from private sources. These facilities will be constructed using bulldozers, graders and workman crews to construct and place the proposed facilities. If there is any deviation from the above, all appropriate agencies will be notified. Rehabilitation of disturbed areas no longer needed for operation after construction is completed will meet the requirements of Item #10.

5. LOCATION AND TYPE OF WATER SUPPLY

See Topographic Map "B".

At the present time, it is anticipated that the water for this well will be hauled by truck over the existing roads and the proposed access road approximately 15.0 miles from the Duchesne River at a point where it crosses under U.S. Highway 40. ✓

In the event that this source is not used, an alternate source will be used and all necessary arrangements will be made with the proper authorities.

There will be no water well drilled at this location site.

6. SOURCE OF CONSTRUCTION MATERIALS

All construction material for this location site and access road shall be borrow material accumulated during construction of the location site and access road. No pit lining materials from other sources are anticipated at this time, but if they are required, the appropriate actions will be taken to acquire them from private sources.

7. METHODS OF HANDLING WASTE DISPOSAL

See Location Layout Sheet.

A reserve pit will be constructed.

The reserve pit will vary in size and depth according to the water table at the time of drilling.

One half of the reserve pit will be used as a fresh water storage area during the drilling of this well and the other one half will be used to store non-flammable materials such as cuttings, salts, drilling fluids, chemicals and produced fluids, etc.

If deemed necessary by the agencies concerned to prevent contamination to surrounding areas, the reserve pits will be lined with a gel.

The pits will have wire and overhead flagging installed if deemed necessary to protect the water fowl, wildlife, and domestic animals.

At the onset of drilling, the reserve pit will be fenced on three sides and at the time drilling activities are completed, it will be fenced on the fourth side and allowed to dry completely prior to the time that backfilling and other reclamation activities are attempted.

When the reserve pit dries and reclamation activities commence, the pits will be covered with a minimum of four feet of soil and all requirements in Item #10 will be followed.

A portable toilet will be supplied for human waste.

8. ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. WELL SITE LAYOUT

See attached Location Layout Sheet.

The B.L.M. Representative shall be notified before any construction begins on the proposed location site.

As mentioned in Item #7, the pits will be unlined unless it is determined by the representatives of the agencies involved that the materials are too porous and would cause contamination to the surrounding area; then the pits will be lined with a gel and any other type of material necessary to make it safe and tight.

When drilling activities commence, all work shall proceed in a neat and orderly sequence.

#### 10. PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, all topsoil shall be stripped and stockpiled. (See location layout sheet and Item #9). When all drilling and production activities have been completed, the location site and access road will be reshaped to the original contour and stockpiled topsoil spread over the disturbed area.

Any drainages re-routed during construction activities shall be restored to their original line of flow as near as possible. Fences around pits are to be removed upon completion of drilling activities and all waste being contained in the trash basket shall be hauled to the nearest Sanitary Landfill.

Restoration activities shall begin within 90 days after completion of the well. Once restoration activities have begun, they shall be completed within 30 days.

When restoration activities have been completed, the location site and access ramp shall be reseeded with a seed mixture recommended by the B.L.M. Representative when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said clean-up and restoration activities shall be done and performed in a diligent and most workmanlike manner and in strict conformity with the above mentioned Items #7 and #10.

#### 11. OTHER INFORMATION

##### The Topography of the General Area - (See Topographic Map "A")

The area is a large basin formed by the Uinta Mountains to the North and the Book Cliff Mountains to the South. The Duchesne River is located approximately 13 miles to the North of the location site.

The basin floor is interlaced with numerous canyons and ridges formed by the non-perennial streams of the area. The sides of these canyons are steep and ledges formed in sandstone ledges, conglomerate deposits, and shale are common in this area.

The geologic structures of the area that are visible are of the Uinta formation (Eocene Epoch) Tertiary Period in the upper elevations and the cobblestone and younger alluvial deposits from the Quaternary Period.

Outcrops of sandstone ledges, conglomerate deposits and shale are common in this area.

The topsoils in the area range from a light brownish-gray sandy clay (SM-ML) type soil with poorly graded gravels to a clayey (OL) soil.

The majority of the numerous washes and draws in the area are of a non-perennial nature flowing during the early spring run-off and heavy rain storms of long duration which are rare as the normal annual rainfall in the area is only 8".

Due to the low precipitation average, climatic conditions and the marginal types of soils, the vegetation that is found in the area are common of the semi-arid regions and consists of areas of sagebrush, rabbitbrush, some grasses and cacti as the primary flora. This is also true of the lower elevations.

The fauna of the area is sparse and consists predominantly of the mule deer, pronghorn antelope, coyotes, rabbits, and varieties of small ground squirrels and other types of rodents. The area is used by man for the primary purpose of grazing domestic sheep and cattle.

The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

The Topography of the Immediate Area - (See Topographic Map "B").

Paiute #34-8 is located approximately 1 mile South of Castle Peak Draw a non-perennial drainage which runs to the North and East into the Green River.

The terrain in the vicinity of the location slopes from the Northeast through the location site to the Northeast at approximately a 1% grade.

The vegetation in the immediate area surrounding the location site consists of grasses and sparse amounts of sagebrush.

There are no occupied dwellings or other facilities of this nature in the general area.

All lands involved under this action are under B.L.M. jurisdiction.

There are no visible archaeological, historical, or cultural sites within any reasonable proximity of the proposed location site. (See Topographic Map "B").

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

Russ Ivie  
DIAMOND SHAMROCK CORPORATION  
85 South 200 East  
Vernal, UT 84078

1-801-789-5270

13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge true and correct; and that the work associated with the operation proposed herein will be performed by DIAMOND SHAMROCK CORPORATION and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

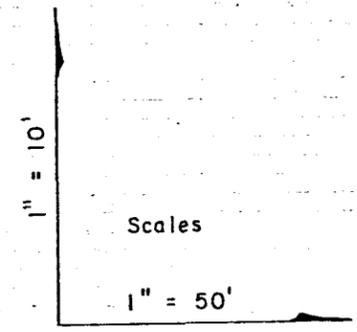
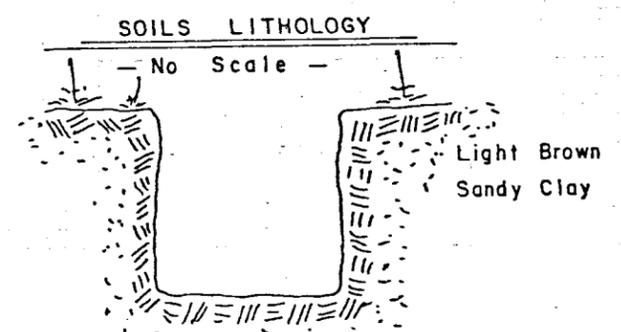
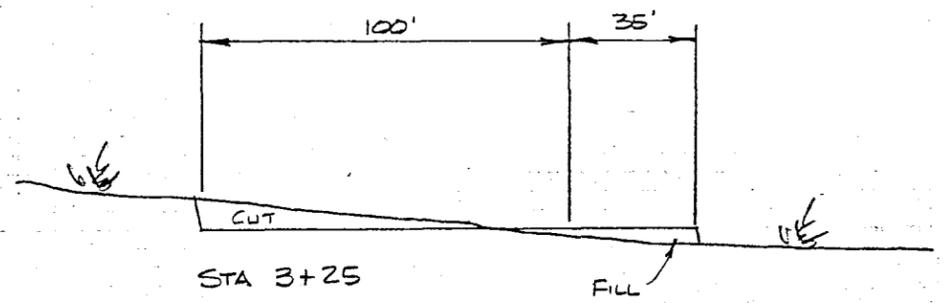
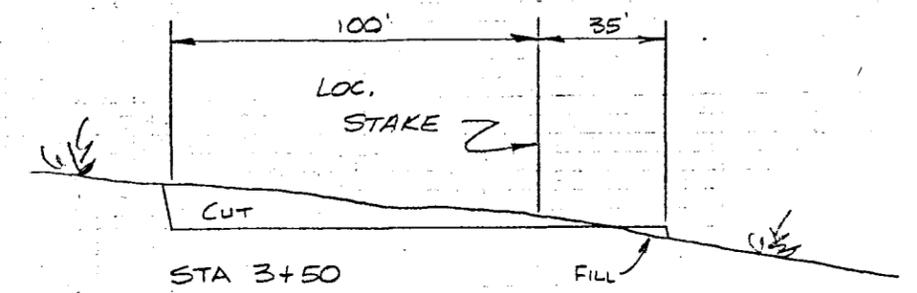
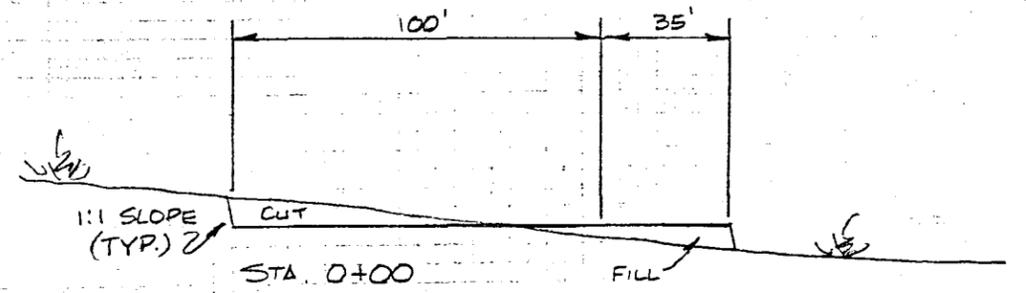
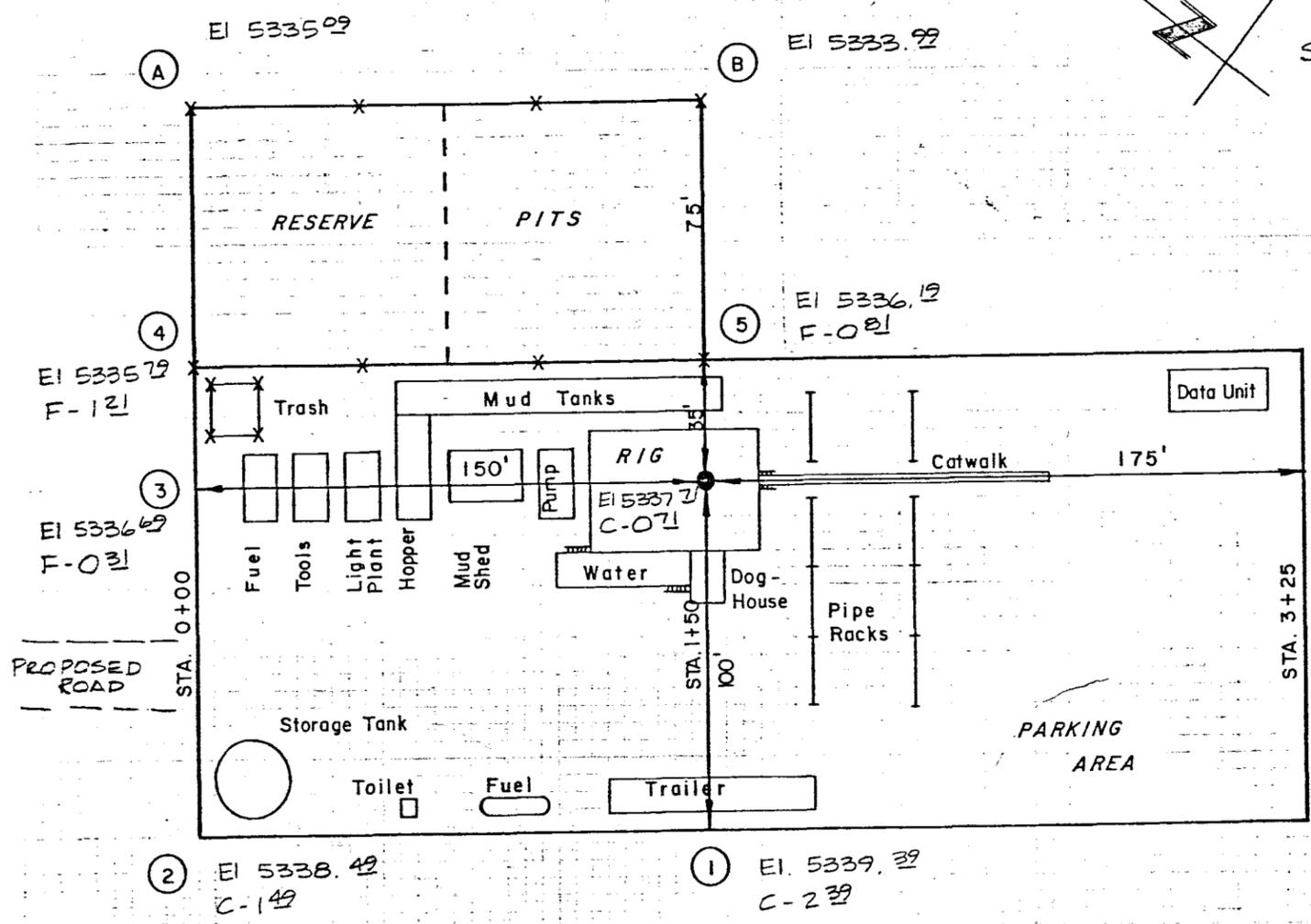
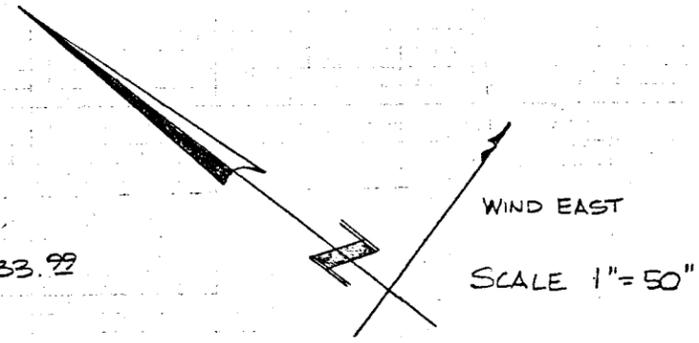
June 6, 1983  
Date

Russ Ivie  
Russ Ivie

# DIAMOND SHAMROCK CORP.

PAIUTE # 34 - 8

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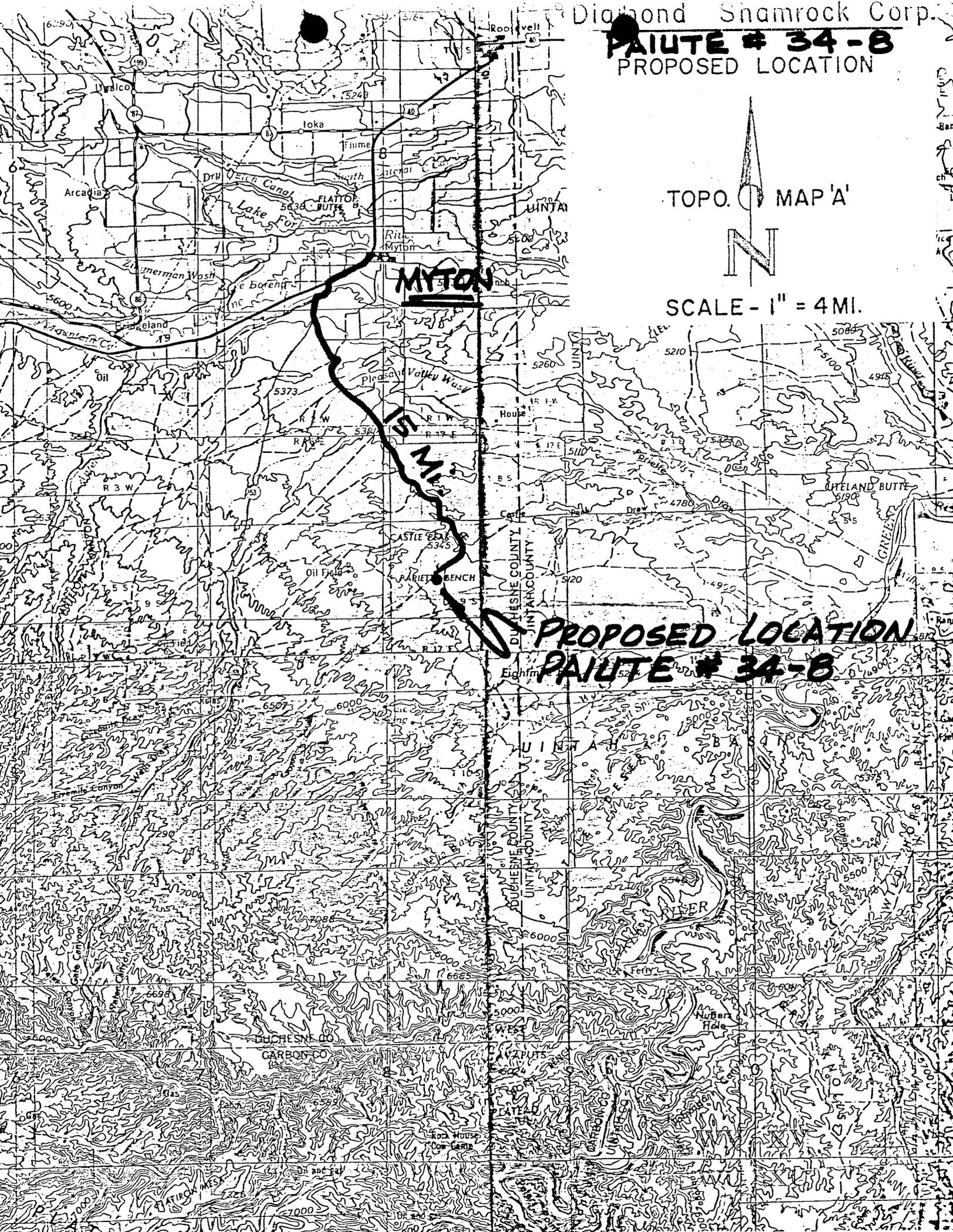


APPROXIMATE YARDAGES

Cu. Yds. Cut = 1,383  
Cu. Yds. Fill = 214

# PAUTE # 34-8

PROPOSED LOCATION



TOPO. MAP 'A'



SCALE - 1" = 4 MI.

**PROPOSED LOCATION**  
**PAUTE # 34-8**

Diamond Shamrock Corp.

**PAIUTE # 34-B**  
PROPOSED LOCATION

TOPO. MAP 'B'



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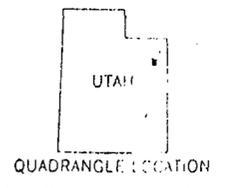
SCALE - 1" = 2000'

ROAD CLASSIFICATION

Medium-duty ——— Light-duty - - - - -

Unimproved dirt .....

○ State Route

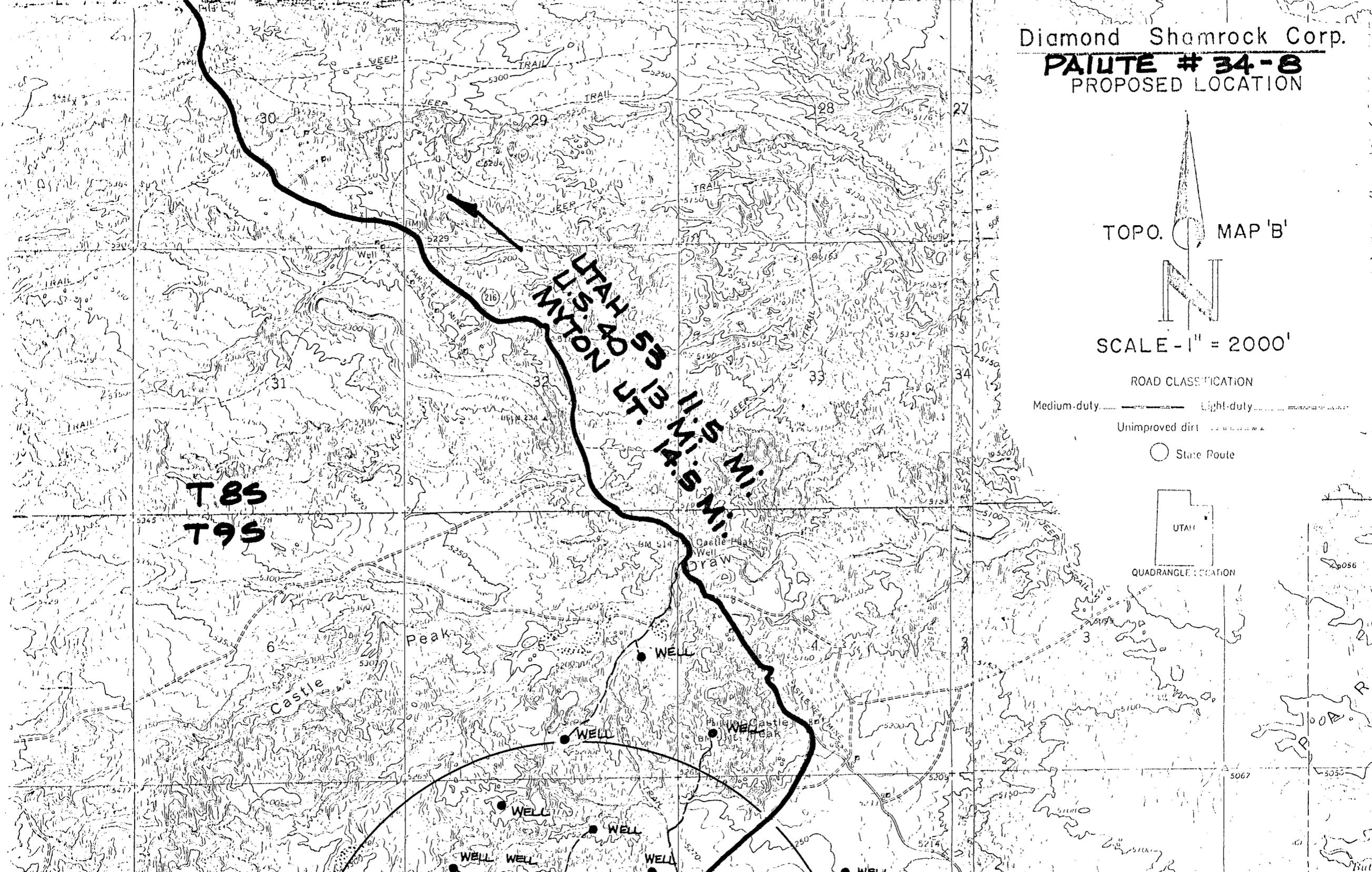


UTAH

QUADRANGLE LOCATION

**T 8S**  
**T 9S**

**UTAH S.B. 40 S. 11 T. 8 S. N. 11**



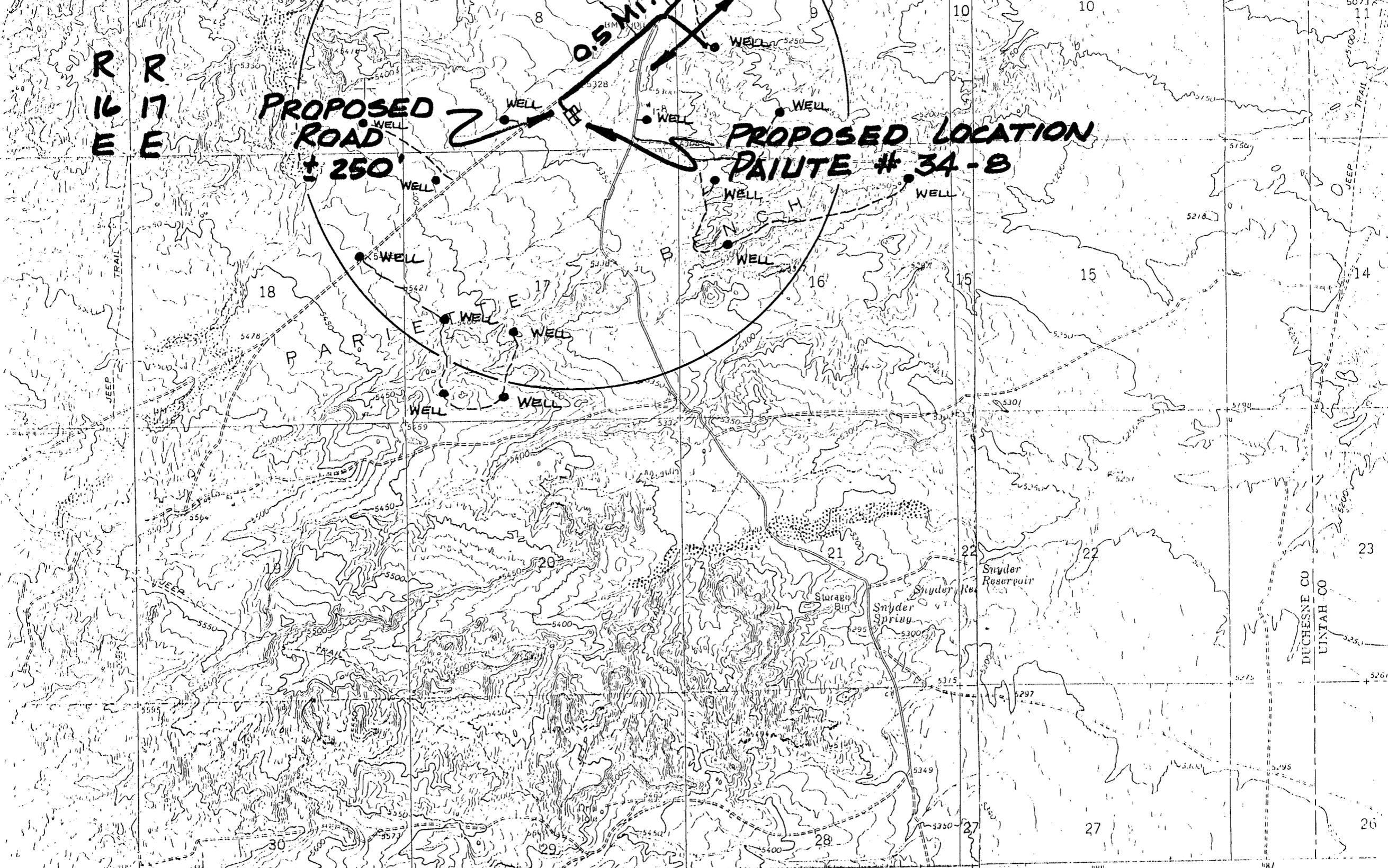
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16  
E

R  
17  
E

PROPOSED  
ROAD  
± 250'

PROPOSED LOCATION  
PAIUTE # 34-B

0.5 Miles



1080

1081

1082

2130'

1083

1084

1085

110° 00'

1086

1087



# United States Department of the Interior

GEOLOGICAL SURVEY  
Conservation Division  
2000 Administration Building  
1745 West 1700 South  
Salt Lake City, Utah 84104

February 2, 1981

## General Outline for the Protection and Isolation of Ground Water and Oil Shale in the Uinta Basin.

The oil shale occurs with varying thicknesses in most parts of the Uinta Basin and at varying depths. Ground water also occurs at varied depths above and below the Oil Shale. These ground waters have varying degrees of salinity. Nonetheless, drilling for hydrocarbon in the Uinta Basin should provide for the protection of the oil shale and the ground water if either is present.

The protection of the oil shale and the ground water can effectively be carried on through the design of an adequate casing and cementing program for each well drilled in the area.

In the Uinta Basin, water occurs mainly in the Uinta and the Green River formations. As drilling for hydrocarbon gets deeper into the crust of the earth, more ground water might be encountered and will be protected as it is encountered.

This notice's purpose is to attempt to lay the groundwork for a casing program and cementing program that will protect the oil shale and the ground water if present.

These programs are to be considered as guidelines. The specificity of casing depth, amount of cement and the depth of staging collars will be considered on an individual basis after a careful study of the logs of each individual well. Cementing from the bottom up is an economical solution if carefully conducted.

The casing and cementing program presented here as an example, will assume that fresh water was encountered in the upper parts of the Green River, that the oil shale occurs in the middle of the Green River (1000 foot section) and that some ground water is encountered in the lower parts of the Green River.

In this case, three areas will have to be cemented to assure the integrity of the ground water and oil shale. These areas are above the upper fresh water, across the oil shale and below the lower water aquifer. Deep aquifers that do not contain useful water are cemented to prevent water zone influence on production.

The following casing and cementing program will be appropriate for this example:

- A. Surface casing is set at approximately 300 feet and cemented to the surface.

- B. The next casing string will be set at approximately 300 feet below the lowest aquifer. Cementing will be done in three stages, using two stage collars and cement baskets or equivalent as described below and on attached sketches:
1. Cement first stage through the casing shoe to fill annulus back to base of lower aquifer.
  2. Place 1st stage collar (with cement basket immediately below) at a selected point at the base of the oil shale. Cement will have to reach top of oil shale.
  3. Place 2nd stage collar (with cement basket immediately below) 50 feet above the top of the Bird's Nest aquifer and cement to at least 300 feet above the stage collar.
- C. The above is an example. Reasonable equivalents that accomplish these same protective measures, (such as cementing the water zones instead of isolating them), depending on the individual cases will be considered for approval.
- D. When the above mentioned well is to be abandoned, inner-casing plugs will have to be placed at the same depth as the above mentioned annulus cement jobs.

The use of cement bond logs will verify the authenticity of the cement job performed.

- E. The Operator of such well should notify U.S.G.S. 48 hours prior to commencement of casing and cementing activity, so a technician could be dispatched to witness the operations to verify compliance with casing and cementing program.

Attached Sketches:

1. Schematic of the required casing and cementing program.
2. Cross section of the Uinta Basin.
3. Schematic of the general ground water protection program.

E. W. Guynn  
District Oil and Gas Supervisor

AMR/kr

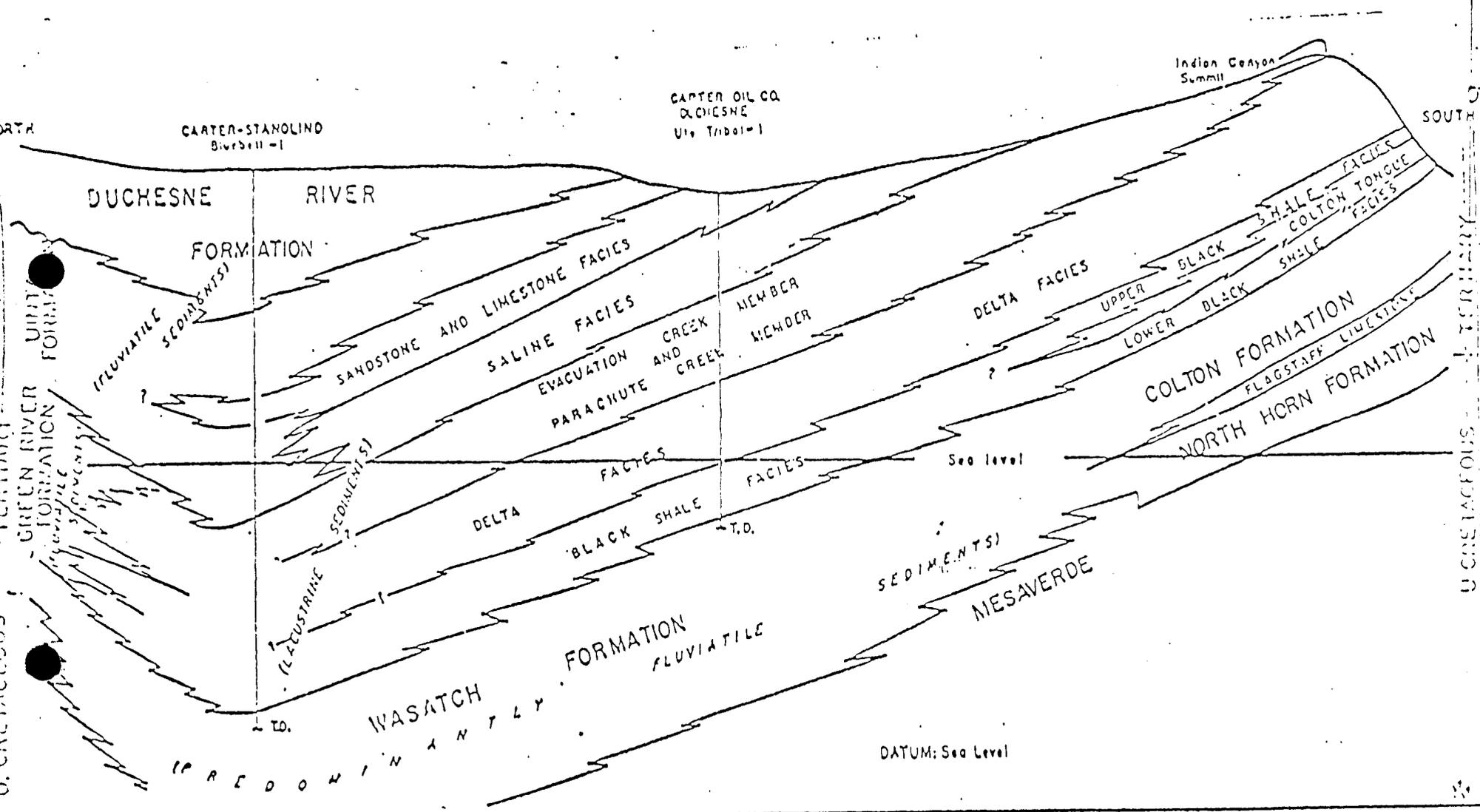
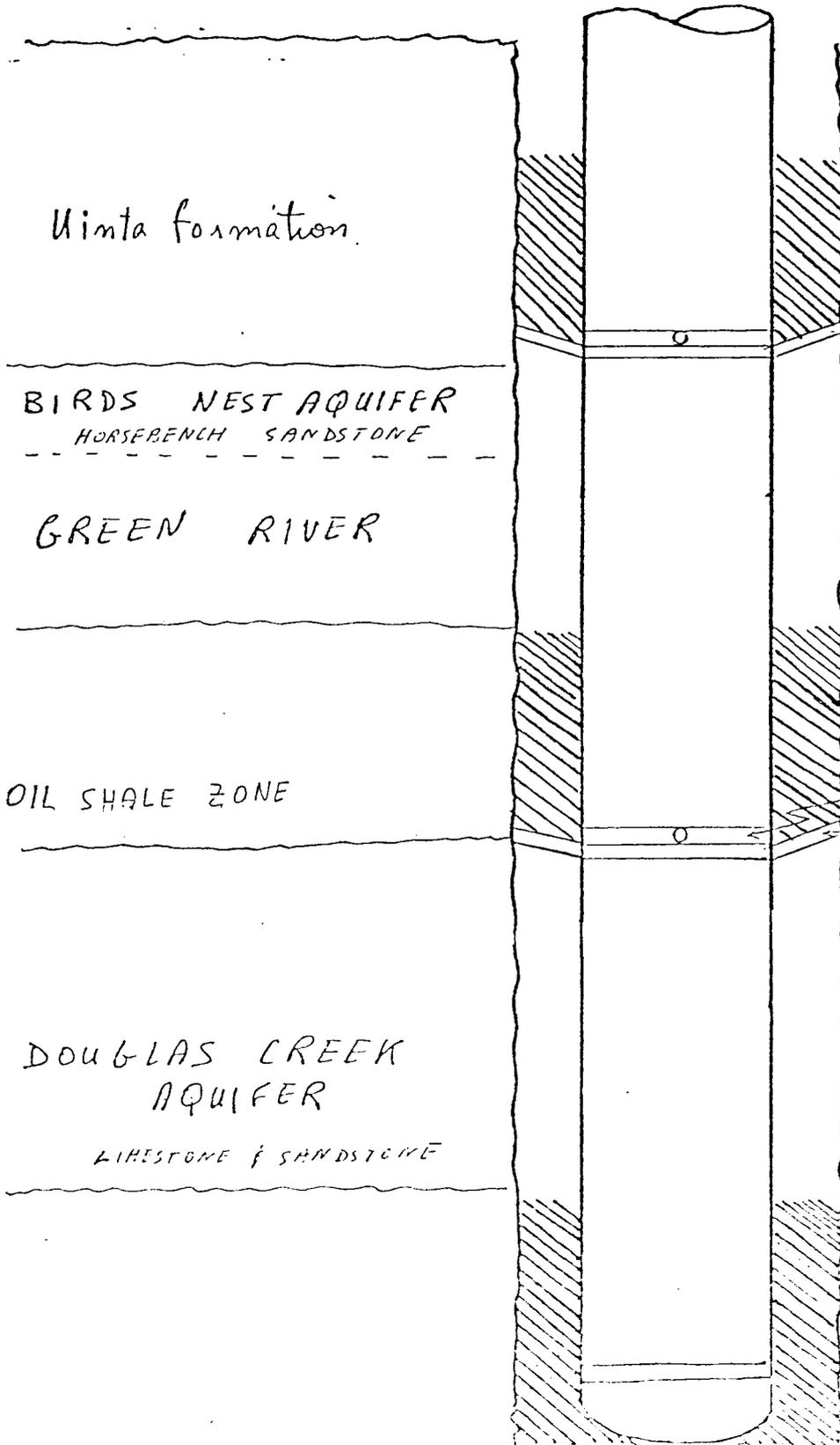


Figure 5.- View east of cross section of Uinta Basin showing stratigraphy and intertonguing of Tertiary rocks. Ute Tribal-1 (in section) is located about 8 miles southeast of the application area.

PARTIAL CASING & CEMENTING PROGRAM FOR WELLS IN NATURAL BUTTES FIELD. UINTAH COUNTY, UTAH



NO SCALE

CEMENT BASKET IS PLACED 50' ABOVE TOP AQUIFER. CEMENT TO RISE AT LEAST 300' IN ANNULUS

STAGE COLLAR  
CEMENT BASKET

CEMENT BASKET IS SET AT CONSOLIDATED SECTION AT THE BASE OF THE OIL SHALE ZONE. CEMENT TO REACH THE TOP OF THE MAHOGANY ZONE

CEMENT WILL REACH BASE OF LOWER AQUIFER

OPERATOR DIAMOND SHAWARCK COAT

DATE 6-14-83

WELL NAME PAUTE #34-8

SEC SWSE 8 T 9S R 17E COUNTY DUCHESNE

43-013-30778  
API NUMBER

FED  
TYPE OF LEASE

POSTING CHECK OFF:

INDEX

MAP

HL

NID

PI

PROCESSING COMMENTS:

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---

CHIEF PETROLEUM ENGINEER REVIEW:

6/24/83

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---

APPROVAL LETTER:

SPACING:

A-3

UNIT

c-3-a

CAUSE NO. & DATE

c-3-b

c-3-c

SPECIAL LANGUAGE:

(water)

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RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON FLAT MAP.

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER

NO

UNIT

c-3-b

c-3-c

CHECK DISTANCE TO NEAREST WELL.

CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

June 14, 1983

Diamond Shamrock Corporation  
250 East 100 South  
Vernal, Utah 84078

RE: Well No. Paiute 34-8  
SWSE Sec. 8, T.9S, R.17E  
660 FSL, 1980 FEL  
Duchesne County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Rule C-3(b), General Rules and Regulations and Rules of Practice and Procedure. A copy of the Utah Division of Water Rights (801-533-6071) approval for use or purchase of drilling water must be submitted to this office prior to spudding, otherwise this approval is void.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

RONALD J. FIRTH - Chief Petroleum Engineer  
Office: 533-5771  
Home: 571-6068

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-013-30778.

Sincerely,

Norman C. Stout  
Administrative Assistant

NCS/as  
cc: Oil & Gas Operations  
Encl.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: DIAMOND SHAWARDK

WELL NAME: PAUTE FED 34-8

SECTION SWSE 8 TOWNSHIP 25 RANGE 17E COUNTY DUCHESSNE

DRILLING CONTRACTOR TWT

RIG # 59

SPUDDED: DATE 8-28-83

TIME 10 PM

HOW ROTARY

DRILLING WILL COMMENCE \_\_\_\_\_

REPORTED BY JIM PACHULSKI

TELEPHONE # 307 266 1282

Water OK ✓  
 47-1674 } Joe  
 47-1675 } SIMONS  
 ✓ TED BALDWIN, ASST.  
 AREA ENGINEER IN VERMONT  
 Jopm  
 8-29

DATE 8-29-83 SIGNED Jopm

Does not have water right. Russvic said they would get right out it for resolution within 24 hrs. I told him the well would be considered illegal by COB 8/30/83.  
 - Jopm  
 8-29-83

NOTICE OF SPUD

wbr OK  
CJ.

Company: Deamond Shamrock

Caller: \_\_\_\_\_

Phone: \_\_\_\_\_

AUG 31 1983

Well Number: 34-8

DIVISION OF  
OIL, GAS & MINING

Location: SW SE Sec 8-9S-17E

County: Duchesne State: Utah

Lease Number: U-7978

Lease Expiration Date: \_\_\_\_\_

Unit Name (If Applicable): \_\_\_\_\_

Date & Time Spudded: 10:pm 8-26-83

Dry Hole Spudder/Rotary: \_\_\_\_\_

Details of Spud (Hole, Casing, Cement, etc.) \_\_\_\_\_

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

Rotary Rig Name & Number: TWT #59

Approximate Date Rotary Moves In: 8-25-83

FOLLOW WITH SUNDRY NOTICE

Call Received By: de Loin

Date: 8-29-83

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

5. LEASE DESIGNATION AND SERIAL NO.  
U-7978

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Paiute Federal

9. WELL NO.  
34-8

10. FIELD AND POOL, OR WILDCAT  
Field

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 8, T9S, R17E

12. COUNTY OR PARISH  
Duchesne

13. STATE  
Utah

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Diamond Shamrock Corporation

3. ADDRESS OF OPERATOR  
5730 West Yellowstone Hwy., Casper, Wyoming 82604

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)  
At surface  
1980' FEL, 660' FSL SW/SE

14. PERMIT NO.  
43-013-30778

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5338' GR.

RECEIVED  
AUG 31 1983  
DIVISION OF OIL, GAS & MINING

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

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

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

Spud August 26, 1983 @ 10:00 P.M. T.W.T. Rig #59. Drill 12 1/4" hole to 245.70' K.B. and set 246.71' of 8 5/8", K-55, 26# surface casing. Cemented to surface with 210 sxs. Class G with 1/4 PPS Flocele + 3% Ca Cl.

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

SIGNED Jean M. Caswell TITLE Environmental & Regulation Eng. DATE August 29, 1983

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Form 9-329 Rev. Feb 76  
OMB 42-RO356

MONTHLY REPORT  
OF  
OPERATIONS

Lease No. U-7978

Communitization Agreement No.                     

Field Name Field

Unit Name                     

Participating Area                     

County Duchesne

State Utah

Operator Diamond Chemicals Company-

formerly Diamond Shamrock Corporation

Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of September, 19 83

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
34-8	8 S.L.M.	9S	17E	<del>DRPC</del>					Paiute Federal 34-8  15', 31 holes. Frac w/369 Bbl. 2% KCL Gel & 27.5#K sand. 9-22 Run in hole & Swab. 9-23 Run in hole w/rods & Pump test. 9-24 thru 9-25 Pump test.

\*If none, so state.

Disposition of production (Lease, Participating Area, or Communitized Area basis)

Oil & Condensate (BBLs)

Gas (MCF)

Water (BBLs)

- \*On hand, Start of Month
- \*Produced
- \*Sold
- \*Spilled or Lost
- \*Flared or Vented
- \*Used on Lease
- \*Injected
- \*Surface Pits
- \*Other (Identify)
- \*On hand, End of Month
- \*API Gravity/BTU Content

_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
_____	_____	_____
_____	_____	XXXXXXXXXXXXXXXXXXXX
_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
_____	_____	XXXXXXXXXXXXXXXXXXXX
_____	_____	_____
_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
_____	_____	_____
_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
_____	_____	XXXXXXXXXXXXXXXXXXXX

Authorized Signature: [Signature] Address: 5730 W. Yellowstone Hwy.  
Casper, Wyoming 82604

Title: Asst. Dist. Drlg. Supt.

CORE ANALYSIS RESULTS

for

DIAMOND SHAMROCK CORPORATION

PAIUTE-FEDERAL 34-8 WELL  
MONUMENT BUTTE FIELD  
DUCHESNE COUNTY, UTAH

**CORE LABORATORIES, INC.**  
*Petroleum Reservoir Engineering*

DALLAS, TEXAS

DIAMOND SHAMROCK CORP.  
 PAIUTE-FEDERAL 34-8  
 MONUMENT BUTTE FIELD  
 DUCHESNE COUNTY, UTAH

DATE : 9-5-83  
 FORMATION : GREEN RIVER  
 DRG. FLUID: WBM  
 LOCATION : SW SE SEC. 8 T9S R17E

FILE NO : 3807-0050  
 ANALYSTS : R. MOHL  
 ELEVATION: 5302 GL

CONVENTIONAL ANALYSIS--BOYLE'S LAW POROSITY

SAMPLE NUMBER	DEPTH	PERM $K_a$ MAXIMUM	POR. He	FLUID OIL	SATS. WTR	GRAIN DEN	DESCRIPTION
1	4050.0-51.0	2.11	8.4	50.6	16.9	2.66	SD VFG
2	4051.0-52.0	0.42	6.9	50.2	13.2	2.65	SD VFG
3	4052.0-53.0	0.05	4.3	53.5	23.4	2.65	SD VFG SL/LMY
4	4053.0-54.0	0.02	5.5	38.0	43.4	2.66	SD VFG MICA
5	4054.0-55.0	1.50	9.9	34.9	20.4	2.65	SD VFG
6	4055.0-56.0	0.78	10.5	31.7	26.5	2.65	SD VFG
7	4056.0-57.0	1.83	12.2	40.3	26.3	2.66	SD VFG
8	4057.0-58.0	0.93	10.7	40.7	15.4	2.65	SD VFG
9	4058.0-59.0	1.99	9.8	34.2	34.2	2.67	SD VFG
10	4059.0-60.0	5.12	13.9	43.1	13.9	2.67	SD VFG
11	4060.0-61.0	3.25	12.4	34.1	17.1	2.67	SD VFG
12	4061.0-62.0	2.52	12.8	32.7	16.4	2.66	SD VFG
13	4062.0-63.0	0.63	8.0	35.4	42.5	2.66	CVF SD VFG
14	4063.0-64.0	1.04	11.0	26.7	20.4	2.66	SD VFG
15	4064.0-65.0	11.	11.3	32.3	17.1	2.66	SD VFG
16	4065.0-66.0	2.35	9.9	40.7	28.5	2.66	SD VFG
17	4066.0-67.0	<0.01	2.3	0.0	73.1	2.67	SD VFG LMY
	4067.0-71.0						SHALE-NO ANALYSIS
18	4071.0-72.0	<0.01	1.2	0.0	46.1	2.69	SD VFG LMY
	4072.0-76.0						SHALE-NO ANALYSIS
19	4076.0-77.0	<0.01	1.3	0.0	48.1	2.78	DOLO VF/XLN FOSS LMY
20	4077.0-78.0	<0.01	1.8	0.0	55.6	2.80	DOLO VF/XLN FOSS LMY
	4078.0-79.0						SHALE-NO ANALYSIS
21	4079.0-80.0	<0.01	4.8	28.5	52.9	2.66	SD VFG LMY
22	4080.0-81.0	0.49	7.1	23.3	54.3	2.66	SD VFG SL/LMY
23	4081.0-82.0	1.67	9.5	30.4	11.4	2.66	SD VFG
24	4082.0-83.0	1.58	10.0	29.3	11.0	2.65	SD VFG
25	4083.0-84.0	2.11	11.9	29.3	28.1	2.66	SD VFG

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operations, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

CORE LABORATORIES, INC.  
*Petroleum Reservoir Engineering*

DALLAS, TEXAS

DIAMOND SHAMROCK CORP.  
 FAIUTE-FEDERAL 34-8

DATE : 9-5-83  
 FORMATION : GREEN RIVER

FILE NO : 3807-0050  
 ANALYSTS : R. MOHL

## CONVENTIONAL ANALYSIS--BOYLE'S LAW POROSITY

SAMPLE NUMBER	DEPTH	PERM Ka MAXIMUM	POR. He	FLUID OIL	SATS. WTR	GRAIN DEN	DESCRIPTION
26	4084.0-85.0	2.93	11.9	30.1	9.5	2.66	SD VFG
27	4085.0-86.0	5.34	12.7	39.4	12.1	2.67	SD VFG
28	4086.0-87.0	2.15	9.1	48.5	24.2	2.66	SD VFG
	4087.0-01.0						SHALE-NO ANALYSIS
29	4101.0-02.0	<0.01	2.5	0.0	68.4	2.70	SD VFG LMY
30	4102.0-03.0	<0.01	3.9	0.0	75.7	2.69	SD VFG LMY
	4103.0-18.0						SHALE-NO ANALYSIS
	4118.0-22.0						LOST CORE
	4122.0-30.0						SHALE-NO ANALYSIS

CVF=CLOSED VERTICAL FRACTURE

**CORE LABORATORIES, INC.**  
*Petroleum Reservoir Engineering*  
 DALLAS, TEXAS

DIAMOND SHAMROCK CORP.  
 PAIUTE-FEDERAL 34-8

DATE : 9-5-83  
 FORMATION : GREEN RIVER

FILE NO. : 3807-0050  
 ANALYSTS : R. MOHL

-\*\*\* CORE SUMMARY AND CALCULATED RECOVERABLE OIL \*\*\*-

DEPTH INTERVAL: 4050.0 TO 4066.0

FEET OF CORE ANALYZED : 16.0 FEET OF CORE INCLUDED IN AVERAGES: 16.0

-- SAMPLES FALLING WITHIN THE FOLLOWING RANGES WERE AVERAGED --

PERMEABILITY HORIZONTAL RANGE (MD.)	:	0.01 TO 15.	(UNCORRECTED FOR SLIPPAGE)
HELIUM POROSITY RANGE (%)	:	0.0 TO 100.0	
OIL SATURATION RANGE (%)	:	0.0 TO 100.0	
WATER SATURATION RANGE (%)	:	0.0 TO 100.0	

SHALE SAMPLES EXCLUDED FROM AVERAGES.

AVERAGE PERMEABILITY (MILLIDARCIES)		AVERAGE TOTAL WATER SATURATION	:	22.4
ARITHMETIC PERMEABILITY	: 2.2	(PERCENT OF PORE SPACE)		
GEOMETRIC PERMEABILITY	: 1.1	AVERAGE CONNATE WATER SATURATION	:	(E) 21.0
HARMONIC PERMEABILITY	: 0.20	(PERCENT OF PORE SPACE)		
PRODUCTIVE CAPACITY (MILLIDARCY-FEET)		OIL GRAVITY (API)	:	(E) 38.0
ARITHMETIC CAPACITY	: 36.	ORIGINAL FORMATION VOLUME FACTOR	:	(E) 1.10
GEOMETRIC CAPACITY	: 17.	(BBLS SATURATED OIL/STOCK-TANK BBL)		
HARMONIC CAPACITY	: 3.2	ORIGINAL STOCK-TANK OIL IN PLACE	:	(C) 548.
AVERAGE POROSITY (PERCENT)	: 9.8	(BARRELS PER ACRE-FOOT)		
AVERAGE RESIDUAL OIL SATURATION	: 37.7			
(PERCENT OF PORE SPACE)				

=====

INTERPRETATION OF DATA

INTERVAL 4050-4066 OIL PRODUCTIVE W/WATER CUT AFTER SUCCESSFUL TREATMENT.

=====

(C) CALCULATED      (E) ESTIMATED      (M) MEASURED      (\*) REFER TO ATTACHED LETTER.

PERMEABILITY VS POROSITY

COMPANY: DIAMOND SHAMROCK CORP.  
 FIELD : MONUMENT BUTTE FIELD

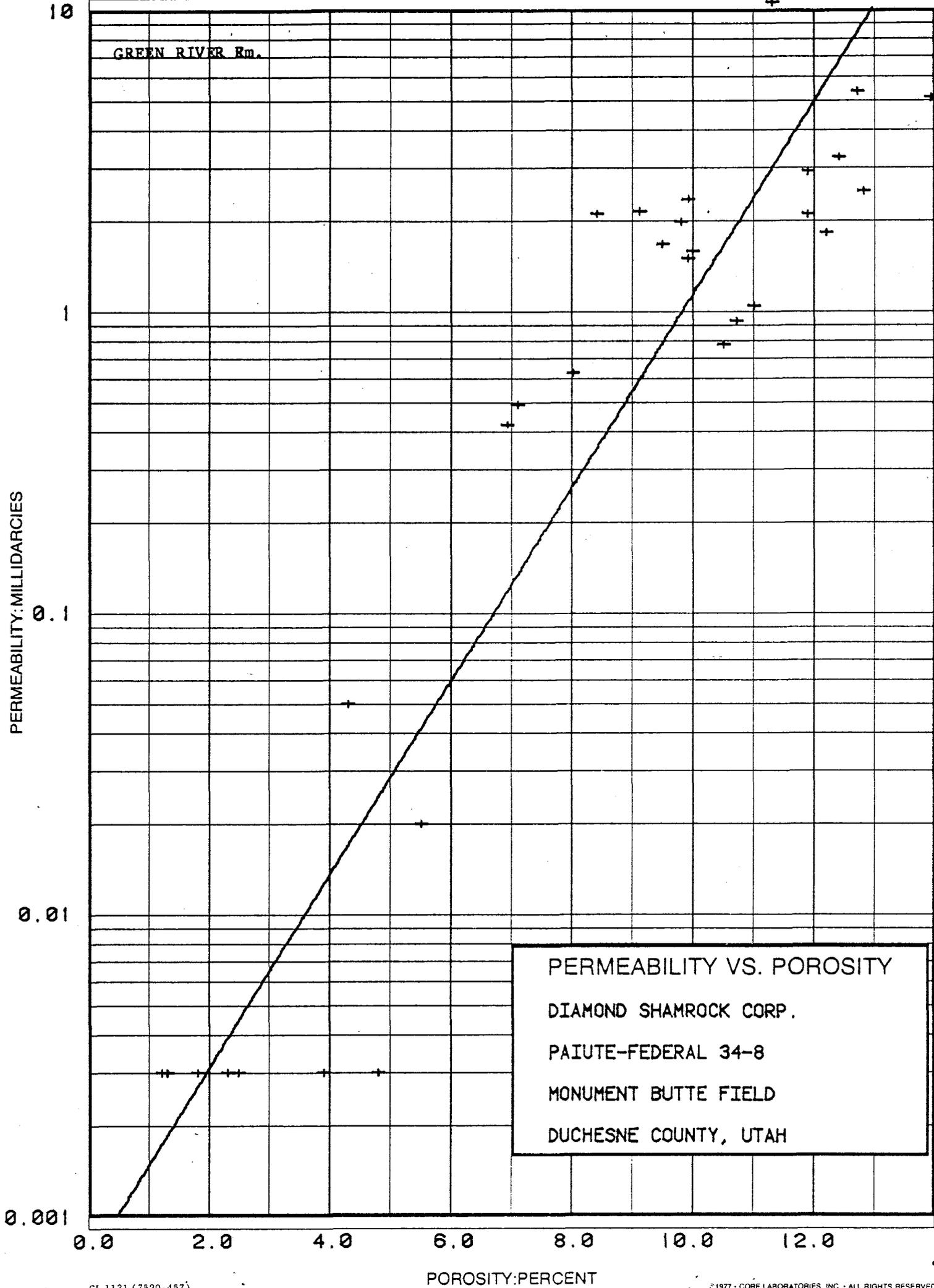
WELL : PAIUTE-FEDERAL 34-8  
 COUNTY, STATE: DUCHESNE COUNTY, UTAH

AIR PERMEABILITY : MD - HORIZONTAL ( UNCORRECTED FOR SLIPPAGE )  
 POROSITY : PERCENT ( HELIUM )

DEPTH INTERVAL	RANGE & SYMBOL	PERMEABILITY		POROSITY		POROSITY AVERAGE	PERMEABILITY AVERAGES		
		MINIMUM	MAXIMUM	MIN.	MAX.		ARITHMETIC	HARMONIC	GEOMETRIC
4050.0 - 4103.0	1 (+)	0.001	15.0	0.0	15.0	8.3	1.7	0.01	0.31

EQUATION OF REDUCED LINE RELATING PERMEABILITY(K) TO POROSITY :  
 $\text{LOG}(K) = (\text{SLOPE})(\text{POROSITY}) + \text{LOG OF INTERCEPT}$   
 $K = \text{ANTILOG}((\text{SLOPE})(\text{POROSITY}) + \text{LOG OF INTERCEPT})$

RANGE	EQUATION OF THE LINE
1	PERM = ANTILOG(( 0.3208)(POROSITY) + -3.1568)



STATISTICAL DATA FOR POROSITY AND PERMEABILITY HISTOGRAM

COMPANY: DIAMOND SHAMROCK CORP.  
 FIELD : MONUMENT BUTTE FIELD

WELL : PAIUTE-FEDERAL 34-8  
 COUNTY, STATE: DUCHESNE COUNTY, UTAH

AIR PERMEABILITY : MD. ( HORIZONTAL ) RANGE USED 0.001 TO 5.  
 POROSITY : PERCENT ( HELIUM ) RANGE USED 0.0 TO 46.0

(PERMEABILITY UNCORRECTED FOR SLIPPAGE)

DEPTH LIMITS : 4050.0 - 4103.0 INTERVAL LENGTH : 53.0  
 FEET ANALYZED IN ZONE : 30.0 LITHOLOGY EXCLUDED : NONE

DATA SUMMARY

POROSITY AVERAGE	PERMEABILITY AVERAGES		
	ARITHMETIC	HARMONIC	GEOMETRIC
7.8	1.1	0.01	0.22

STATISTICAL DATA FOR POROSITY AND PERMEABILITY HISTOGRAM

COMPANY: DIAMOND SHAMROCK CORP.  
 FIELD : MONUMENT BUTTE FIELD

WELL : PAIUTE-FEDERAL 34-8  
 COUNTY, STATE: DUCHESNE COUNTY, UTAH

GROUPING BY POROSITY RANGES

POROSITY RANGE	FEET IN RANGE	AVERAGE POROSITY	AVERAGE PERM. (GEOM.)	(ARITH)	FREQUENCY (PERCENT)	CUMULATIVE FREQUENCY (%)
0.0 - 2.0	3.0	1.4	0.005	0.005	11.1	11.1
2.0 - 4.0	3.0	2.9	0.005	0.005	11.1	22.2
4.0 - 6.0	3.0	4.9	0.017	0.025	11.1	33.3
6.0 - 8.0	2.0	7.0	0.454	0.455	7.4	40.7
8.0 - 10.0	7.0	9.2	1.7	1.8	25.9	66.7
10.0 - 12.0	6.0	11.0	1.4	1.6	22.2	88.9
12.0 - 14.0	3.0	12.5	2.5	2.5	11.1	100.0

TOTAL NUMBER OF FEET = 27.0

STATISTICAL DATA FOR POROSITY AND PERMEABILITY HISTOGRAM

COMPANY: DIAMOND SHAMROCK CORP.  
 FIELD : MONUMENT BUTTE FIELD

WELL : PAIUTE-FEDERAL 34-8  
 COUNTY, STATE: DUCHESNE COUNTY, UTAH

GROUPING BY PERMEABILITY RANGES

PERMEABILITY RANGE	FEET IN RANGE	AVERAGE PERM. (GEOM.)	AVERAGE PERM. (ARITH)	AVERAGE POROSITY	FREQUENCY (PERCENT)	CUMULATIVE FREQUENCY (%)
0.005 - 0.010	7.0	0.005	0.005	2.5	25.9	25.9
0.020 - 0.039	1.0	0.020	0.020	5.5	3.7	29.6
0.039 - 0.078	1.0	0.050	0.050	4.3	3.7	33.3
0.312 - 0.625	2.0	0.454	0.455	7.0	7.4	40.7
0.625 - 1.250	4.0	0.830	0.845	10.1	14.8	55.6
1.250 - 2.500	9.0	1.9	1.9	10.1	33.3	88.9
2.500 - 5.000	3.0	2.9	2.9	12.4	11.1	100.0

TOTAL NUMBER OF FEET = 27.0

STATISTICAL DATA FOR POROSITY AND PERMEABILITY HISTOGRAM

COMPANY: DIAMOND SHAMROCK CORP.  
 FIELD : MONUMENT BUTTE FIELD

WELL : PAIUTE-FEDERAL 34-8  
 COUNTY, STATE: DUCHESNE COUNTY, UTAH

POROSITY-FEET OF STORAGE CAPACITY LOST FOR SELECTED POROSITY CUT OFF

POROSITY CUT OFF	FEET LOST	CAPACITY LOST (%)	FEET REMAINING	CAPACITY REMAINING (%)	ARITH MEAN	MEDIAN
0.0	0.0	0.0	27.0	100.0	7.8	8.7
2.0	3.0	2.1	24.0	97.9	8.6	9.1
4.0	6.0	6.2	21.0	93.8	9.4	9.6
6.0	9.0	13.2	18.0	86.8	10.1	10.0
8.0	11.0	19.8	16.0	80.2	10.5	10.3
10.0	18.0	50.7	9.0	49.3	11.5	
12.0	24.0	82.2	3.0	17.8	12.5	
14.0	27.0	100.0	0.0	0.0		

TOTAL STORAGE CAPACITY IN POROSITY-FEET = 209.6

STATISTICAL DATA FOR POROSITY AND PERMEABILITY HISTOGRAM

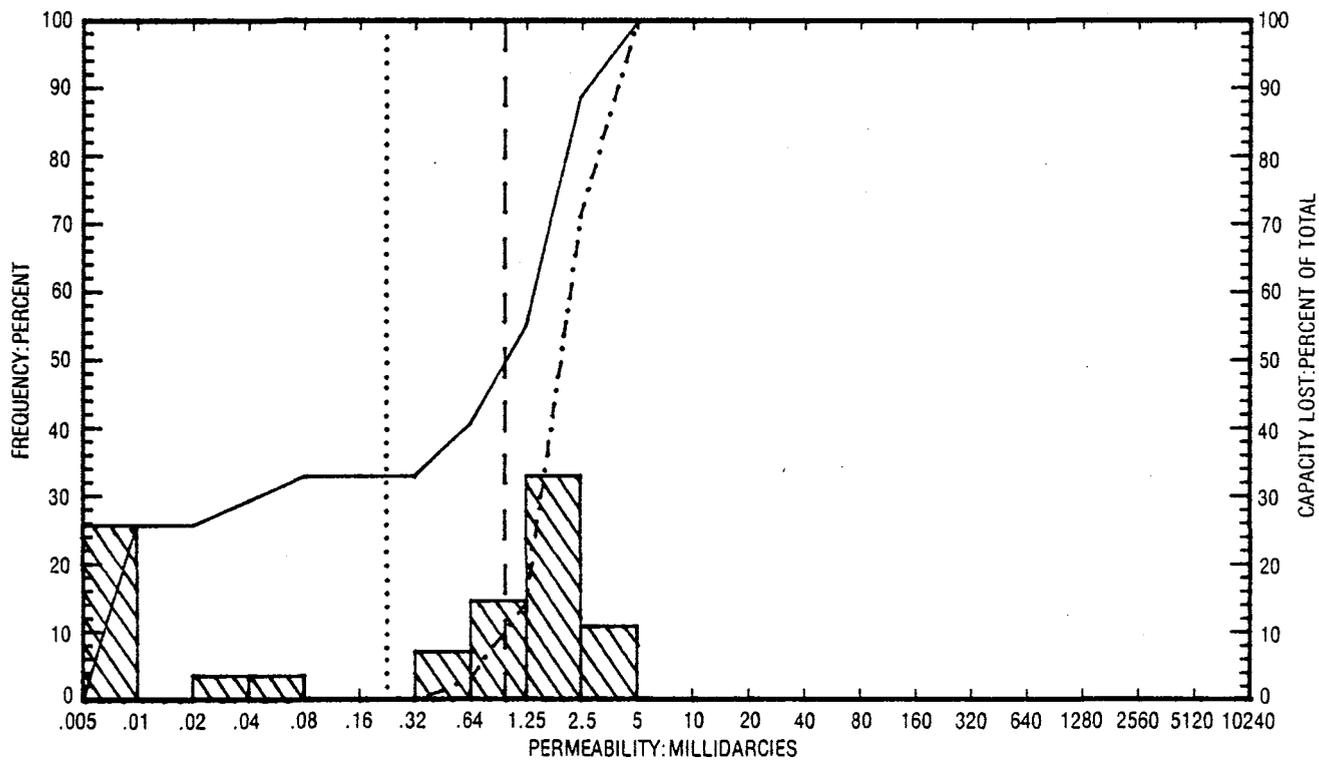
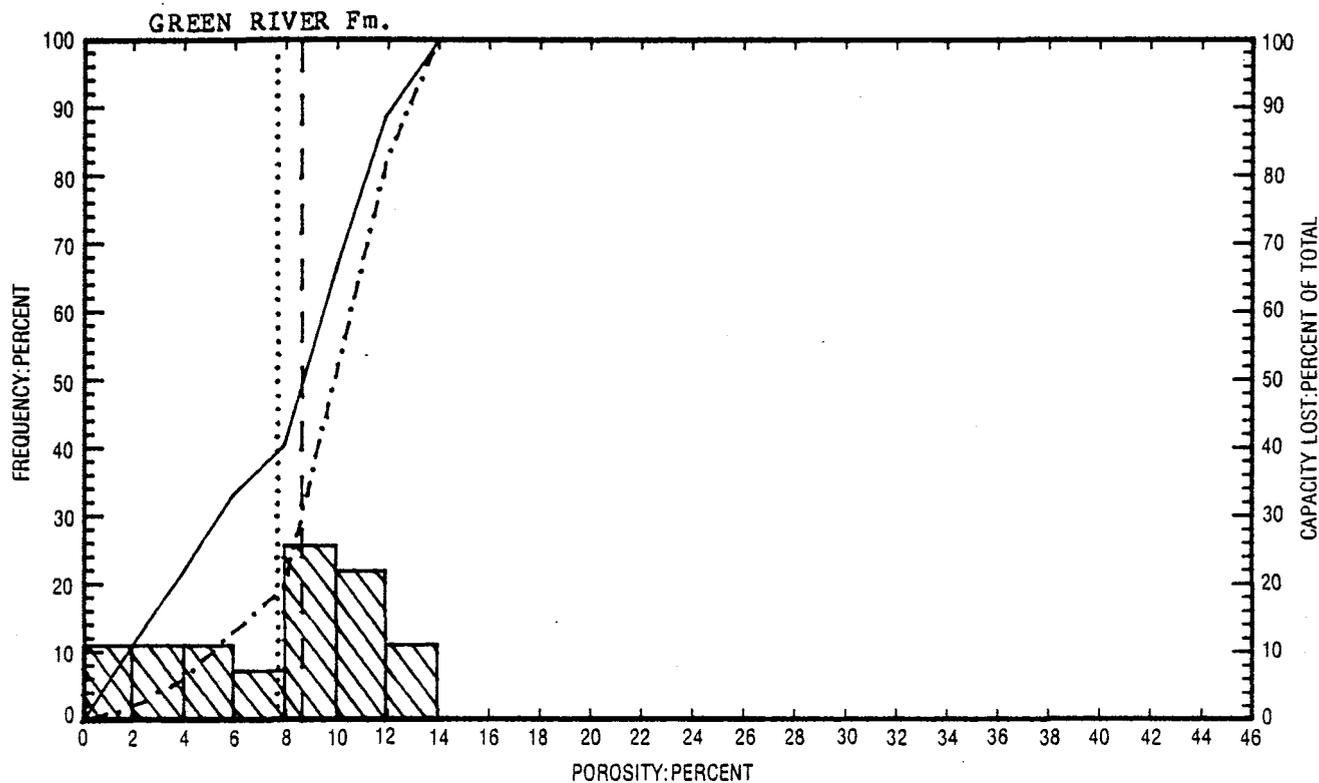
COMPANY: DIAMOND SHAMROCK CORP.  
 FIELD : MONUMENT BUTTE FIELD

WELL : PAIUTE-FEDERAL 34-8  
 COUNTY, STATE: DUCHESNE COUNTY, UTAH

MILLIDARCY-FEET OF FLOW CAPACITY LOST FOR SELECTED PERMEABILITY CUT OFF

PERMEABILITY CUT OFF	FEET LOST	CAPACITY LOST (%)	FEET REMAINING	CAPACITY REMAINING (%)	GEOM MEAN	MEDIAN
-----	-----	-----	-----	-----	-----	-----
0.005	0.0	0.0	27.0	100.0	0.22	0.96
0.010	7.0	0.1	20.0	99.9	1.01	1.46
0.020	7.0	0.1	20.0	99.9	0.99	1.46
0.039	8.0	0.2	19.0	99.8	1.21	1.52
0.078	9.0	0.3	18.0	99.7	1.45	1.57
0.156	9.0	0.3	18.0	99.7	1.45	1.57
0.312	9.0	0.3	18.0	99.7	1.45	1.57
0.625	11.0	3.3	16.0	96.7	1.67	1.70
1.250	15.0	14.5	12.0	85.5	2.11	
2.500	24.0	71.4	3.0	28.6	2.88	
5.	27.0	100.0	0.0	0.0		

TOTAL FLOW CAPACITY IN MILLIDARCY-FEET (ARITHMETIC) = 30.37



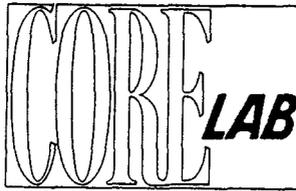
**PERMEABILITY AND POROSITY HISTOGRAMS**

DIAMOND SHAMROCK CORP.  
 PAIUTE-FEDERAL 34-8  
 MONUMENT BUTTE FIELD  
 DUCHESNE COUNTY, UTAH

**LEGEND**

- ARITHMETIC MEAN POROSITY      ..... (dotted)
- GEOMETRIC MEAN PERMEABILITY      ..... (dotted)
- MEDIAN VALUE      - - - - - (dashed)
- CUMULATIVE FREQUENCY      \_\_\_\_\_ (solid)
- CUMULATIVE CAPACITY LOST      - . - . - . (dash-dot)

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**CORE LABORATORIES, INC.**

*Petroleum Reservoir Engineering*

COMPANY DIAMOND SHAMROCK CORP. FILE NO. 3807-0050  
 WELL PAIUTE-FEDERAL 34-8 DATE 9-5-83 ENGRS. R. MOHL  
 FIELD MONUMENT BUTTE FORMATION GREEN RIVER ELEV. 5302 GL  
 COUNTY DUCHESNE STATE UTAH DRLG. FLD. WBM CORES \_\_\_\_\_

# CoRes Log

## CORE and RESISTIVITY EVALUATION

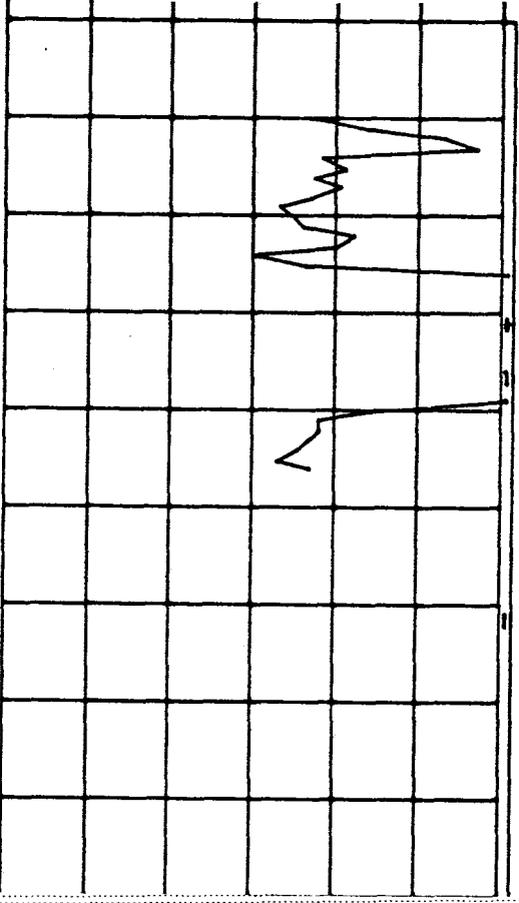
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RESISTIVITY PARAMETERS: a = 1.00 m = 2.00 n = 2.00 . Depths 4050 to 4103 .  
 a = \_\_\_\_\_ m = \_\_\_\_\_ n = \_\_\_\_\_ . Depths \_\_\_\_\_ to \_\_\_\_\_ .

PERMEABILITY  
MILLIDARCIES

CORE ANALYSIS CALCULATED RESISTIVITY  
 $R_0$  = OHM-METERS AT 100%  $S_w$  \_\_\_\_\_  
 $R_{np}$  = OHM-METERS AT CRITICAL  $S_w$  \_\_\_\_\_

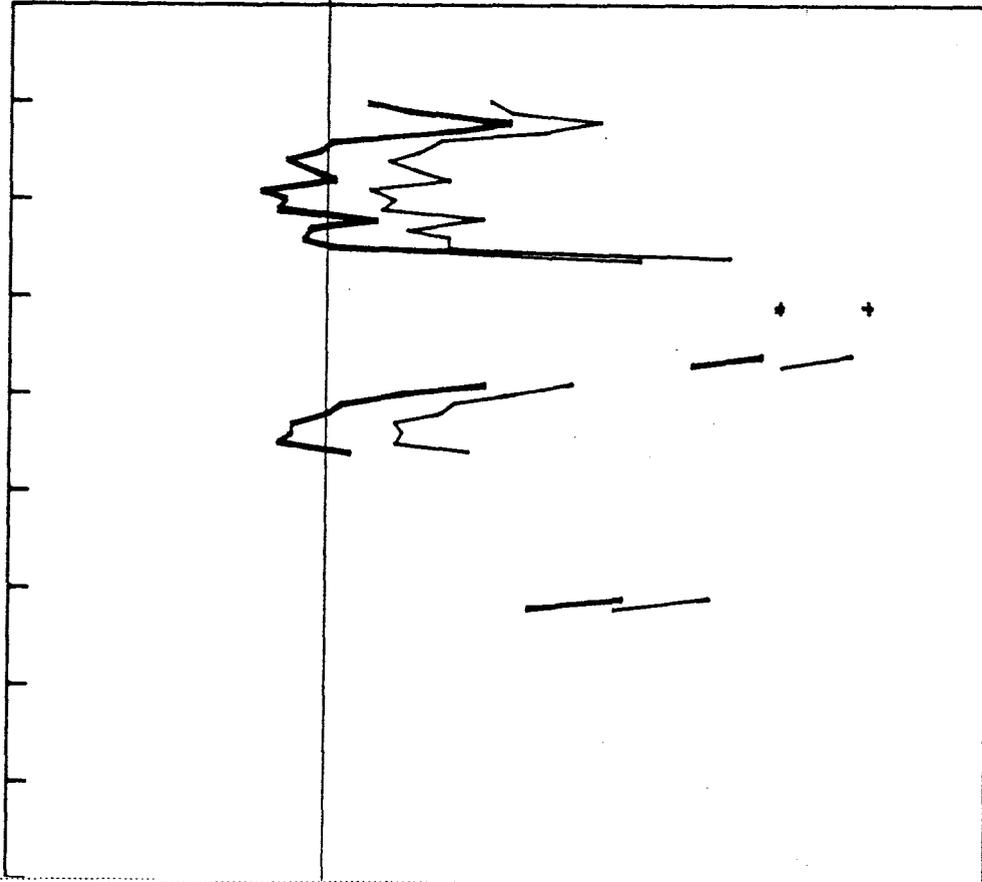
DEPTH FEET  
1000 100 10 1.0 0.1 0.01



4040

4090

← ONE OHM-METER REFERENCE FOR  $R_w = 0.01$



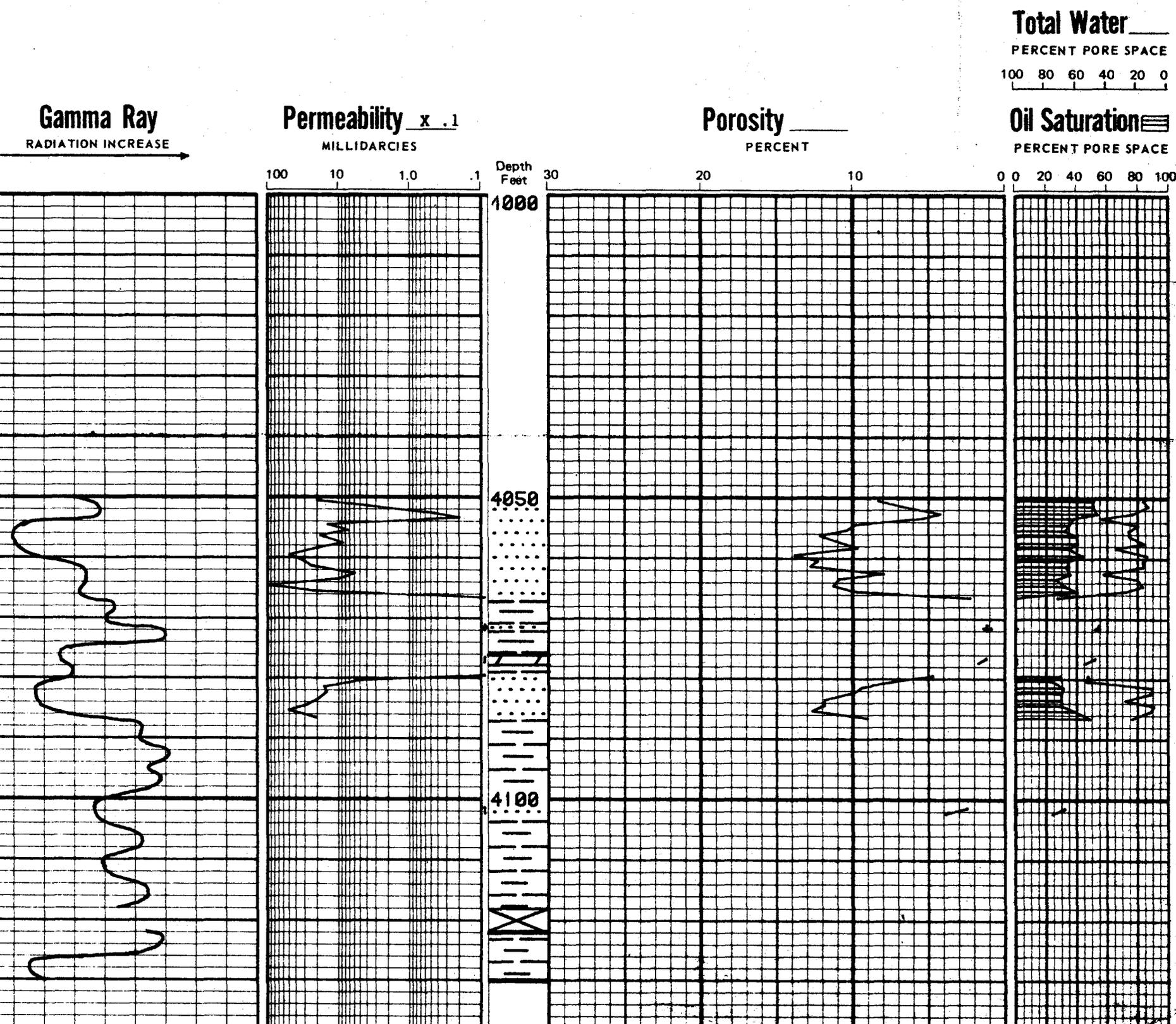


COMPANY DIAMOND SHAMROCK CORP. FILE NO. 3607-0050  
 WELL PAIUTE-FEDERAL 34-8 DATE 9-5-83  
 FIELD MONUMENT BUTTE FORMATION GREEN RIVER ELEV. 5302 GL  
 COUNTY DUCHESNE STATE UTAH DRLG. FLD. WBM CORES \_\_\_\_\_  
 LOCATION SW SE SEC. 8 T9S R17E

# CORRELATION COREGRAPH

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VERTICAL SCALE: 5" = 100'



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR DIAMOND CHEMICALS CO. (FORMERLY DIAMOND SHAMROCK) CORP.

3. ADDRESS OF OPERATOR P. O. DRAWER "E", VERNAL, UTAH 84078

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
 AT SURFACE: 1980' FEL & 660' FSL  
 AT TOP PROD. INTERVAL: SAME  
 AT TOTAL DEPTH: SAME

5. LEASE U-7978

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME PAIUTE FEDERAL

9. WELL NO. 34-8

10. FIELD OR WILDCAT NAME MONUMENT BUTTE FIELD

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC. 8, T9S, R17E

12. COUNTY OR PARISH DUCHESNE CO. 13. STATE UTAH

14. API NO. 43-013-30778

15. ELEVATIONS (SHOW DF, KDB, AND WD) 5338' GR

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other) <u>LAY A SURFACE GAS LINE</u>			

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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

Permission to lay a surface gas line from the existing lease gas line in Federal Lease #U-7978 to the Paiute Federal #34-8 is requested.

The laying of this line would conserve approximately 15 MCF/day of gas now being vented on this lease. The gas line will be 2" durable plastic pipe, and will be laid along existing lease and access roads, will be buried at the road crossings and will not create a surface disturbance.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

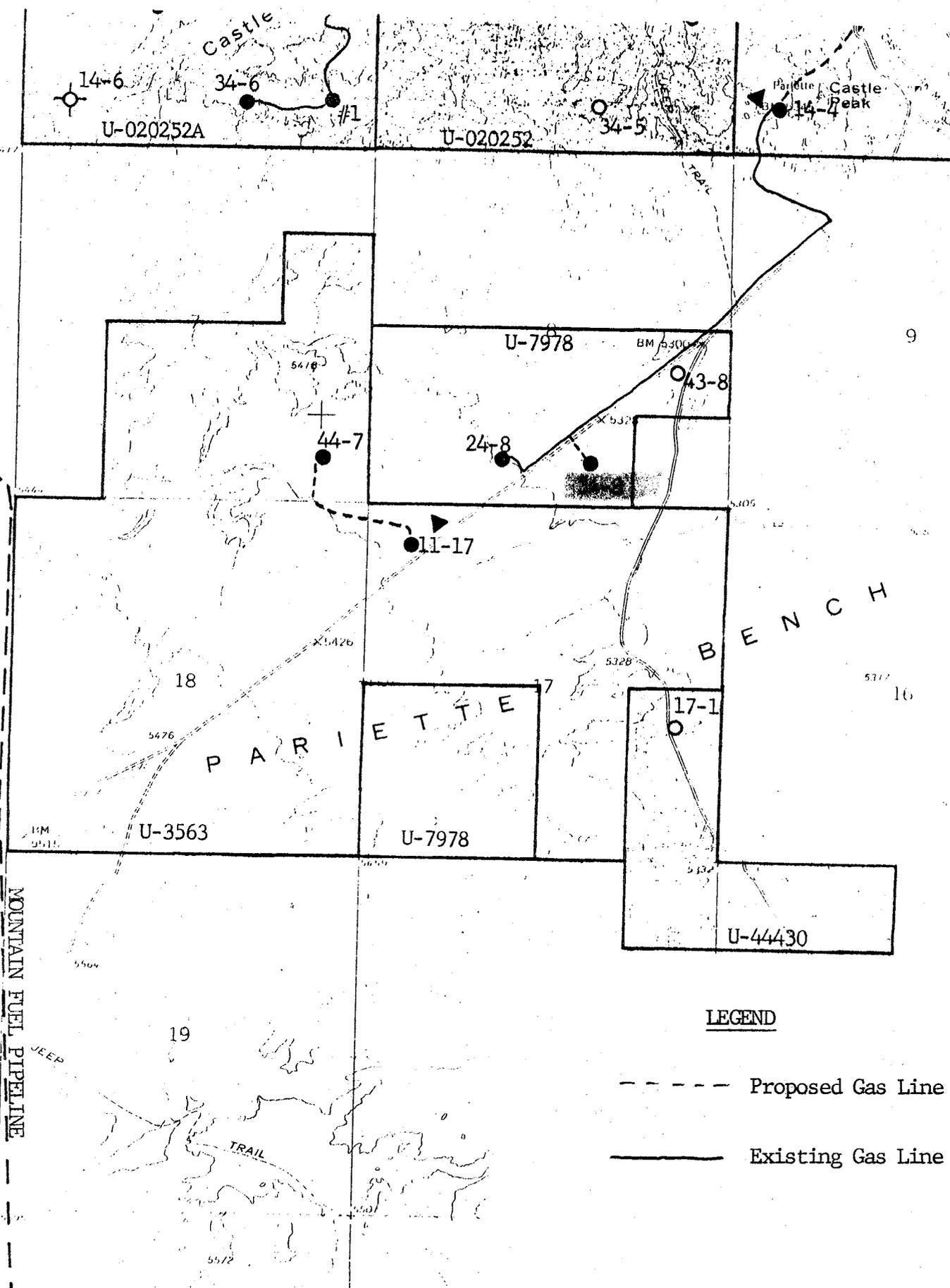
18. I hereby certify that the foregoing is true and correct

SIGNED Russ Ivie TITLE DISTRICT SUPERINTENDENT DATE SEPTEMBER 12, 1983

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

**RECEIVED**  
SEP 20 1983



LEGEND

- Proposed Gas Line
- Existing Gas Line

MOUNTAIN FUEL PIPELINE

Castle

Parquette Castle Peak

P A R I E T T E

B E N C H

U-020252A

U-020252

U-7978

U-3563

U-7978

U-44430

14-6

34-6

34-5

44-7

24-8

43-8

11-17

17-1

18

19

9

16

JEEP

JEEP

TRAIL

BM 5411

BM 5301

5419

5476

5504

5572

X5426

5328

5305

5332

5332

5317

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Form 8-329 Rev. Feb 76  
OMB 42-R0356

MONTHLY REPORT  
OF  
OPERATIONS

Lease No. U-7978  
Communitization Agreement No. -----  
Field Name Field  
Unit Name -----  
Participating Area -----  
County Duchesne State Utah  
Operator Diamond Chemicals Company  
formerly Diamond Shamrock corporation  
 Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of  
September, 19 83

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
34-8	8 S.L.M.	9S	17E	DRLG.					Paiute Federal 34-8
						8-26 Rig up Rotary Tool & Spud.			
						8-27 Drilling to 73'.			
						8-28 Drilling to 260' Run 8 5/8", 24#, K-55 casing. Set @ 245'. Cement w/210 sxs.			
						8-29 thru 9-3 Drilling to 4071'. Run in hole for Core.			
						9-4 Coring @ 4122'.			
						9-5 thru 9-9 Drilling to 6011' & Log.			
						9-10 Log. Run 5 1/2" 15.5#, K-55 casing.			
						9-11 5 1/2' casing set @ 6009' K.B. Cement w/920 sxs. Rig released.			
						9-12 thru 9-18 Waiting on completion tools.			
						9-19 Rig up completion Tool. Pull up tubing. Displace w/2% KCL.			
						9-20 Shut down.			
						9-21 Run CBL-VDL. Perf. 4989'-5004' 2 SPF			

Continued-

\*If none, so state.

Disposition of production (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*Produced	_____	_____	_____
*Sold	_____	_____	XXXXXXXXXXXXXXXXXXXX
*Spilled or Lost	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXXXX	_____	XXXXXXXXXXXXXXXXXXXX
*Used on Lease	_____	_____	XXXXXXXXXXXXXXXXXXXX
*Injected	_____	_____	_____
*Surface Pits	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	_____
*Other (Identify)	_____	_____	_____
*On hand, End of Month	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	_____	_____	XXXXXXXXXXXXXXXXXXXX

Authorized Signature: 

Address: 5730 W. Yellowstone Hwy.  
Casper, Wyoming 82604

Title: Asst. Dist. Drlg. Supt.

**RECEIVED**

SEP 30 1983

DIVISION OF  
OIL, GAS & MINING

CORE ANALYSIS RESULTS

for

DIAMOND SHAMROCK CORPORATION

PAIUTE-FEDERAL 34-8 WELL  
MONUMENT BUTTE FIELD  
DUCHESNE COUNTY, UTAH

**CORE LABORATORIES, INC.**  
*Petroleum Reservoir Engineering*

DALLAS, TEXAS

DIAMOND SHAMROCK CORP.  
 PAIUTE-FEDERAL 34-8  
 MONUMENT BUTTE FIELD  
 DUCHESNE COUNTY, UTAH

DATE : 9-5-83  
 FORMATION : GREEN RIVER  
 DRLG. FLUID: WBM  
 LOCATION : SW SE SEC. 8 T9S R17E

FILE NO : 3807-0050  
 ANALYSTS : R. MOHL  
 ELEVATION: 5302 GL

CONVENTIONAL ANALYSIS--BOYLE'S LAW POROSITY

SAMPLE NUMBER	DEPTH	PERM K <sub>a</sub> MAXIMUM	POR. H <sub>e</sub>	FLUID OIL	SATS. WTR	GRAIN DEN	DESCRIPTION
1	4050.0-51.0	2.11	8.4	50.6	16.9	2.66	SD VFG
2	4051.0-52.0	0.42	6.9	50.2	13.2	2.65	SD VFG
3	4052.0-53.0	0.05	4.3	53.5	23.4	2.65	SD VFG SL/LMY
4	4053.0-54.0	0.02	5.5	38.0	43.4	2.66	SD VFG MICA
5	4054.0-55.0	1.50	9.9	34.9	20.4	2.65	SD VFG
6	4055.0-56.0	0.78	10.5	31.7	26.5	2.65	SD VFG
7	4056.0-57.0	1.83	12.2	40.3	26.3	2.66	SD VFG
8	4057.0-58.0	0.93	10.7	40.7	15.4	2.65	SD VFG
9	4058.0-59.0	1.99	9.8	34.2	34.2	2.67	SD VFG
10	4059.0-60.0	5.12	13.9	43.1	13.9	2.67	SD VFG
11	4060.0-61.0	3.25	12.4	34.1	17.1	2.67	SD VFG
12	4061.0-62.0	2.52	12.8	32.7	16.4	2.66	SD VFG
13	4062.0-63.0	0.63	8.0	35.4	42.5	2.66	CVF SD VFG
14	4063.0-64.0	1.04	11.0	26.7	20.4	2.66	SD VFG
15	4064.0-65.0	11.	11.3	32.3	17.1	2.66	SD VFG
16	4065.0-66.0	2.35	9.9	40.7	28.5	2.66	SD VFG
17	4066.0-67.0	<0.01	2.3	0.0	73.1	2.67	SD VFG LMY
	4067.0-71.0						SHALE-NO ANALYSIS
18	4071.0-72.0	<0.01	1.2	0.0	46.1	2.69	SD VFG LMY
	4072.0-76.0						SHALE-NO ANALYSIS
19	4076.0-77.0	<0.01	1.3	0.0	48.1	2.78	DOLO VF/XLN FOSS LMY
20	4077.0-78.0	<0.01	1.8	0.0	55.6	2.80	DOLO VF/XLN FOSS LMY
	4078.0-79.0						SHALE-NO ANALYSIS
21	4079.0-80.0	<0.01	4.8	28.5	52.9	2.66	SD VFG LMY
22	4080.0-81.0	0.49	7.1	23.3	54.3	2.66	SD VFG SL/LMY
23	4081.0-82.0	1.67	9.5	30.4	11.4	2.66	SD VFG
24	4082.0-83.0	1.58	10.0	29.3	11.0	2.65	SD VFG
25	4083.0-84.0	2.11	11.9	29.3	28.1	2.66	SD VFG

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CORE LABORATORIES, INC.  
*Petroleum Reservoir Engineering*

DALLAS, TEXAS

DIAMOND SHAMROCK CORP.  
 PAIUTE-FEDERAL 34-8

DATE : 9-5-83  
 FORMATION : GREEN RIVER

FILE NO : 3807-0050  
 ANALYSTS : R. NOHL

## CONVENTIONAL ANALYSIS--BOYLE'S LAW POROSITY

SAMPLE NUMBER	DEPTH	PERM K <sub>a</sub> MAXIMUM	POR. He	FLUID OIL	SATS. WTR	GRAIN DEN	DESCRIPTION
26	4084.0-85.0	2.93	11.9	30.1	9.5	2.66	SD VFG
27	4085.0-86.0	5.34	12.7	39.4	12.1	2.67	SD VFG
28	4086.0-87.0	2.15	9.1	48.5	24.2	2.66	SD VFG
	4087.0-01.0						SHALE-NO ANALYSIS
29	4101.0-02.0	<0.01	2.5	0.0	68.4	2.70	SD VFG LMY
30	4102.0-03.0	<0.01	3.9	0.0	75.7	2.69	SD VFG LMY
	4103.0-18.0						SHALE-NO ANALYSIS
	4118.0-22.0						LOST CORE
	4122.0-30.0						SHALE-NO ANALYSIS

CVF=CLOSED VERTICAL FRACTURE

**CORE LABORATORIES, INC.**  
*Petroleum Reservoir Engineering*  
 DALLAS, TEXAS

DIAMOND SHAMROCK CORP.  
 PAIUTE-FEDERAL 34-8

DATE : 9-5-83  
 FORMATION : GREEN RIVER

FILE NO. : 3807-0050  
 ANALYSTS : R. MOHL

\*\*\* CORE SUMMARY AND CALCULATED RECOVERABLE OIL \*\*\*

DEPTH INTERVAL: 4050.0 TO 4066.0

FEET OF CORE ANALYZED : 16.0      FEET OF CORE INCLUDED IN AVERAGES: 16.0

-- SAMPLES FALLING WITHIN THE FOLLOWING RANGES WERE AVERAGED --

PERMEABILITY HORIZONTAL RANGE (MD.)	:	0.01 TO 15.	(UNCORRECTED) FOR SLIPPAGE)
HELIUM POROSITY RANGE (%)	:	0.0 TO 100.0	
OIL SATURATION RANGE (%)	:	0.0 TO 100.0	
WATER SATURATION RANGE (%)	:	0.0 TO 100.0	

SHALE SAMPLES EXCLUDED FROM AVERAGES.

AVERAGE PERMEABILITY (MILLIDARCIES)		AVERAGE TOTAL WATER SATURATION	:	22.4
ARITHMETIC PERMEABILITY	:	(PERCENT OF PORE SPACE)		
GEOMETRIC PERMEABILITY	:			
HARMONIC PERMEABILITY	:	AVERAGE CONNATE WATER SATURATION	:	(E) 21.0
		(PERCENT OF PORE SPACE)		
PRODUCTIVE CAPACITY (MILLIDARCY-FEET)		OIL GRAVITY (API)	:	(E) 38.0
ARITHMETIC CAPACITY	:			
GEOMETRIC CAPACITY	:	ORIGINAL FORMATION VOLUME FACTOR	:	(E) 1.10
HARMONIC CAPACITY	:	(BBLS SATURATED OIL/STOCK-TANK BBL)		
AVERAGE POROSITY (PERCENT)	:	ORIGINAL STOCK-TANK OIL IN PLACE	:	(C) 548.
		(DARRELS PER ACRE-FOOT)		
AVERAGE RESIDUAL OIL SATURATION	:			
(PERCENT OF PORE SPACE)	:			

=====

INTERPRETATION OF DATA

INTERVAL 4050-4066 OIL PRODUCTIVE W/WATER CUT AFTER SUCCESSFUL TREATMENT.

=====

(C) CALCULATED      (E) ESTIMATED      (M) MEASURED      (\*) REFER TO ATTACHED LETTER.

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PERMEABILITY VS POROSITY

COMPANY: DIAMOND SHAMROCK CORP.  
 FIELD : MONUMENT BUTTE FIELD

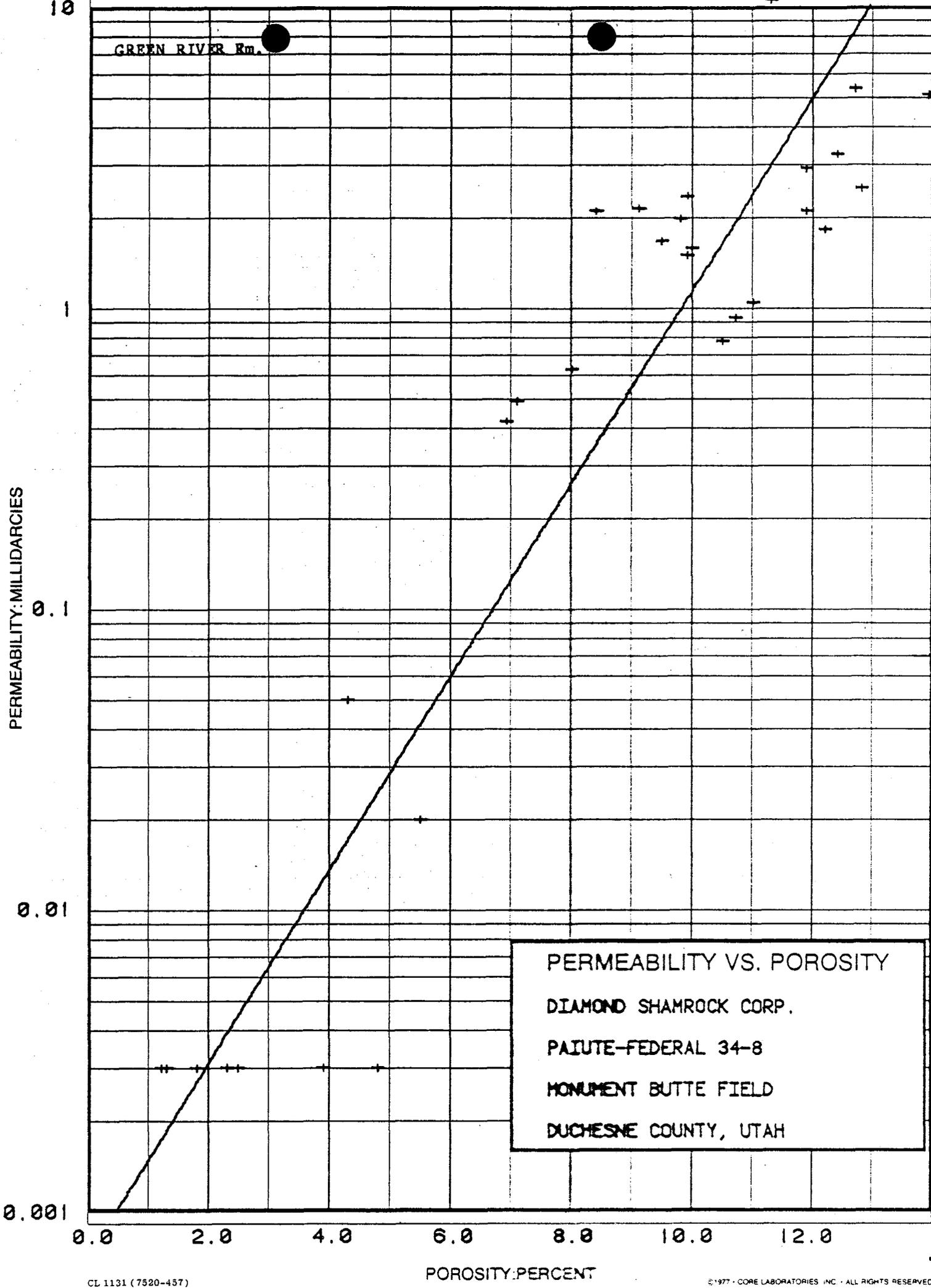
WELL : PAIUTE-FEDERAL 34-8  
 COUNTY, STATE: DUCHESNE COUNTY, UTAH

AIR PERMEABILITY : MD - HORIZONTAL ( UNCORRECTED FOR SLIPPAGE )  
 POROSITY : PERCENT ( HELIUM )

DEPTH INTERVAL	RANGE & SYMBOL	PERMEABILITY		POROSITY		POROSITY AVERAGE	PERMEABILITY AVERAGES		
		MINIMUM	MAXIMUM	MIN.	MAX.		ARITHMETIC	HARMONIC	GEOMETRIC
4050.0 - 4103.0	1 (+)	0.001	15.0	0.0	15.0	8.3	1.7	0.01	0.31

EQUATION OF REDUCED LINE RELATING PERMEABILITY(K) TO POROSITY :  
 $\text{LOG}(K) = (\text{SLOPE})(\text{POROSITY}) + \text{LOG OF INTERCEPT}$   
 $K = \text{ANTILOG}((\text{SLOPE})(\text{POROSITY}) + \text{LOG OF INTERCEPT})$

RANGE	EQUATION OF THE LINE
1	$\text{PERM} = \text{ANTILOG}(( 0.3208)(\text{POROSITY}) + -3.1568)$



STATISTICAL DATA FOR POROSITY AND PERMEABILITY HISTOGRAM

COMPANY: DIAMOND SHAMROCK CORP.  
FIELD : MONUMENT BUTTE FIELD

WELL : PAIUTE-FEDERAL 34-8  
COUNTY, STATE: DUCHESNE COUNTY, UTAH

AIR PERMEABILITY : MD. ( HORIZONTAL ) RANGE USED 0.001 TO 5.  
POROSITY : PERCENT ( HELIUM ) RANGE USED 0.0 TO 46.0

(PERMEABILITY UNCORRECTED FOR SLIPPAGE)

DEPTH LIMITS : 4050.0 - 4103.0 INTERVAL LENGTH : 53.0  
FEET ANALYZED IN ZONE : 30.0 LITHOLOGY EXCLUDED : NONE

DATA SUMMARY

POROSITY AVERAGE	PERMEABILITY AVERAGES		
	ARITHMETIC	HARMONIC	GEOMETRIC
7.8	1.1	0.01	0.22

STATISTICAL DATA FOR POROSITY AND PERMEABILITY HISTOGRAM

COMPANY: DIAMOND SHAMROCK CORP.  
 FIELD : MONUMENT BUTTE FIELD

WELL : PAIUTE-FEDERAL 34-8  
 COUNTY, STATE: DUCHESNE COUNTY, UTAH

GROUPING BY POROSITY RANGES

POROSITY RANGE	FEET IN RANGE	AVERAGE POROSITY	AVERAGE PERM. (GEOM.)	AVERAGE PERM. (ARITH)	FREQUENCY (PERCENT)	CUMULATIVE FREQUENCY (%)
0.0 - 2.0	3.0	1.4	0.005	0.005	11.1	11.1
2.0 - 4.0	3.0	2.9	0.005	0.005	11.1	22.2
4.0 - 6.0	3.0	4.9	0.017	0.025	11.1	33.3
6.0 - 8.0	2.0	7.0	0.454	0.455	7.4	40.7
8.0 - 10.0	7.0	9.2	1.7	1.8	25.9	66.7
10.0 - 12.0	6.0	11.0	1.4	1.6	22.2	88.9
12.0 - 14.0	3.0	12.5	2.5	2.5	11.1	100.0

TOTAL NUMBER OF FEET = 27.0

STATISTICAL DATA FOR POROSITY AND PERMEABILITY HISTOGRAM

COMPANY: DIAMOND SHAMROCK CORP.  
 FIELD : MONUMENT BUTTE FIELD

WELL : PAIUTE-FEDERAL 34-8  
 COUNTY, STATE: DUCHESNE COUNTY, UTAH

GROUPING BY PERMEABILITY RANGES

PERMEABILITY RANGE	FEET IN RANGE	AVERAGE PERM. (GEOM.)	AVERAGE PERM. (ARITH)	AVERAGE POROSITY	FREQUENCY (PERCENT)	CUMULATIVE FREQUENCY (%)
-----	-----	-----	-----	-----	-----	-----
0.005 - 0.010	7.0	0.005	0.005	2.5	25.9	25.9
0.020 - 0.039	1.0	0.020	0.020	5.5	3.7	29.6
0.039 - 0.078	1.0	0.050	0.050	4.3	3.7	33.3
0.312 - 0.625	2.0	0.454	0.455	7.0	7.4	40.7
0.625 - 1.250	4.0	0.830	0.845	10.1	14.8	55.6
1.250 - 2.500	9.0	1.9	1.9	10.1	33.3	88.9
2.500 - 5.000	3.0	2.9	2.9	12.4	11.1	100.0

TOTAL NUMBER OF FEET = 27.0

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operations, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

STATISTICAL DATA FOR POROSITY AND PERMEABILITY HISTOGRAM

COMPANY: DIAMOND SHAMROCK CORP.  
 FIELD : MONUMENT BUTTE FIELD

WELL : PAIUTE-FEDERAL 34-8  
 COUNTY, STATE: DUCHESNE COUNTY, UTAH

POROSITY-FEET OF STORAGE CAPACITY LOST FOR SELECTED POROSITY CUT OFF

POROSITY CUT OFF	FEET LOST	CAPACITY LOST (%)	FEET REMAINING	CAPACITY REMAINING (%)	ARITH MEAN	MEDIAN
-----	-----	-----	-----	-----	-----	-----
0.0	0.0	0.0	27.0	100.0	7.8	8.7
2.0	3.0	2.1	24.0	97.9	8.6	9.1
4.0	6.0	6.2	21.0	93.8	9.4	9.6
6.0	9.0	13.2	18.0	86.8	10.1	10.0
8.0	11.0	19.8	16.0	80.2	10.5	10.3
10.0	18.0	50.7	9.0	49.3	11.5	
12.0	24.0	82.2	3.0	17.8	12.5	
14.0	27.0	100.0	0.0	0.0		

TOTAL STORAGE CAPACITY IN POROSITY-FEET = 209.6

STATISTICAL DATA FOR POROSITY AND PERMEABILITY HISTOGRAM

COMPANY: DIAMOND SHAMROCK CORP.  
 FIELD : MONUMENT BUTTE FIELD

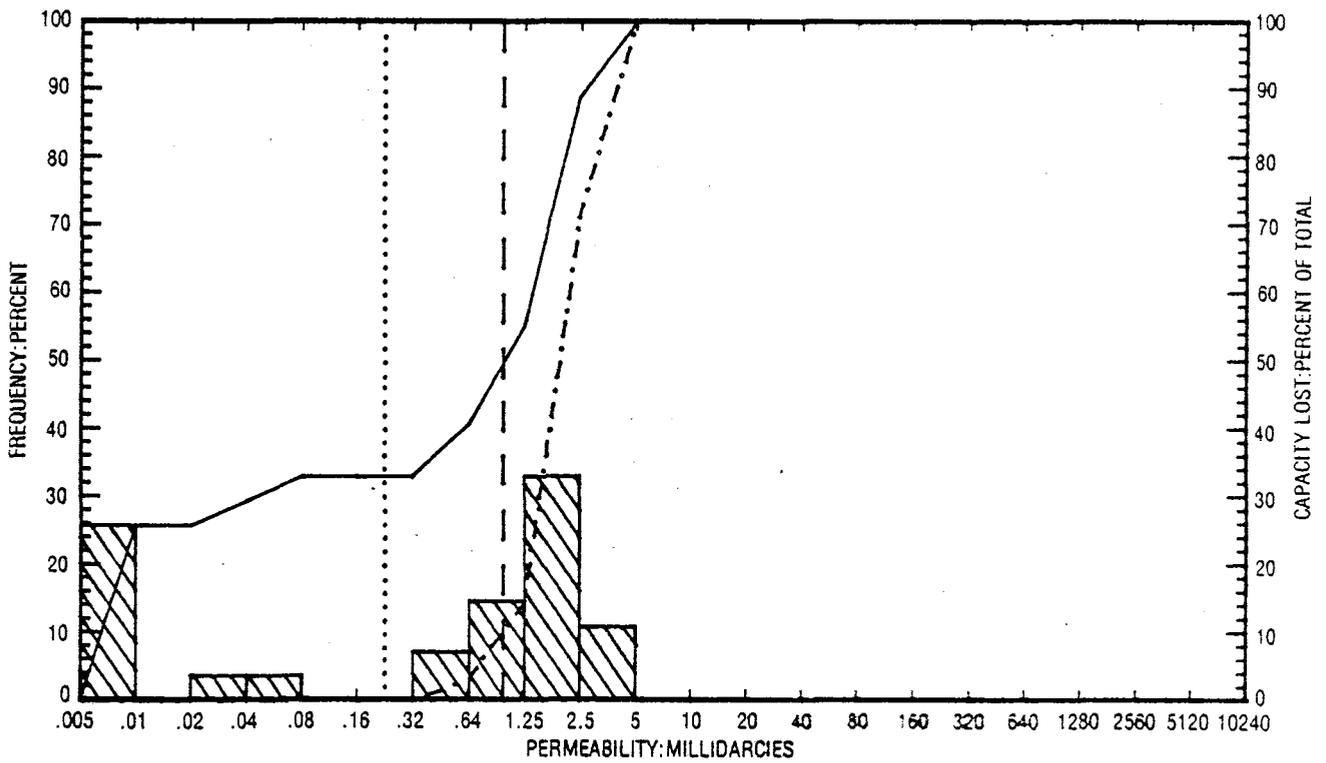
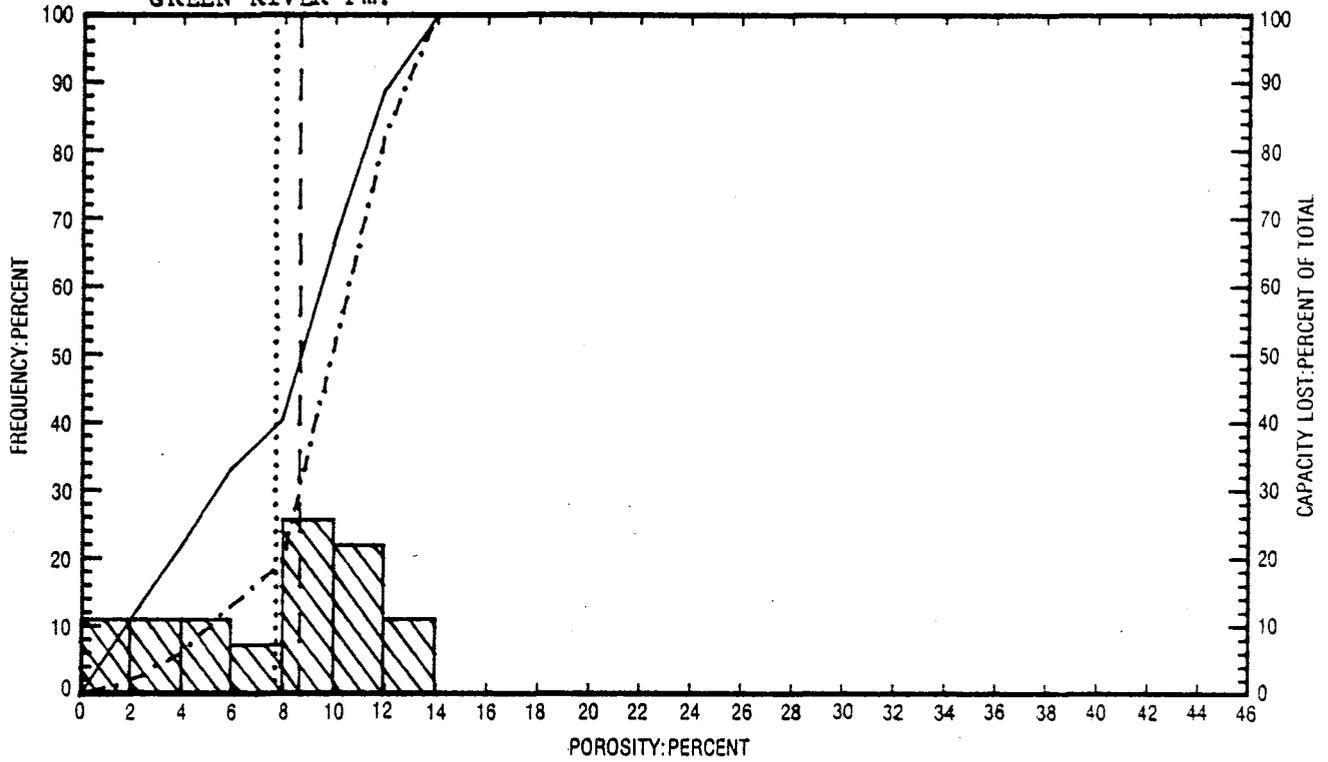
WELL : FAIUTE-FEDERAL 34-8  
 COUNTY, STATE: DUCHESNE COUNTY, UTAH

MILLIDARCY-FEET OF FLOW CAPACITY LOST FOR SELECTED PERMEABILITY CUT OFF

PERMEABILITY CUT OFF	FEET LOST	CAPACITY LOST (%)	FEET REMAINING	CAPACITY REMAINING (%)	GEOM MEAN	MEDIAN
-----	-----	-----	-----	-----	-----	-----
0.005	0.0	0.0	27.0	100.0	0.22	0.96
0.010	7.0	0.1	20.0	99.9	1.01	1.46
0.020	7.0	0.1	20.0	99.9	0.99	1.46
0.039	8.0	0.2	19.0	99.8	1.21	1.52
0.078	9.0	0.3	18.0	99.7	1.45	1.57
0.156	9.0	0.3	18.0	99.7	1.45	1.57
0.312	9.0	0.3	18.0	99.7	1.45	1.57
0.625	11.0	3.3	16.0	96.7	1.67	1.70
1.250	15.0	14.5	12.0	85.5	2.11	
2.500	24.0	71.4	3.0	28.6	2.88	
5.	27.0	100.0	0.0	0.0		

TOTAL FLOW CAPACITY IN MILLIDARCY-FEET (ARITHMETIC) = 30.37

GREEN RIVER Fm.



PERMEABILITY AND POROSITY HISTOGRAMS

DIAMOND SHAMROCK CORP.  
 PAIUTE-FEDERAL 34-8  
 MONUMENT BUTTE FIELD  
 DUCHESNE COUNTY, UTAH

LEGEND

- ARITHMETIC MEAN POROSITY ..... (dotted line)
- GEOMETRIC MEAN PERMEABILITY ..... (dotted line)
- MEDIAN VALUE ----- (dashed line)
- CUMULATIVE FREQUENCY \_\_\_\_\_ (solid line)
- CUMULATIVE CAPACITY LOST -.-.-.-.- (dash-dot line)

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**CORE LABORATORIES, INC.**

*Petroleum Reservoir Engineering*

COMPANY DIAMOND SHAMROCK CORP. FILE NO. 3807-0050  
 WELL PAIUTE-FEDERAL 34-8 DATE 9-5-83 ENGRS. R. MOHL  
 FIELD MONUMENT BUTTE FORMATION GREEN RIVER ELEV. 5302 GL  
 COUNTY DUCHESNE STATE UTAH DRLG. FLD. WBM CORES \_\_\_\_\_

# CoRes Log

## CORE and RESISTIVITY EVALUATION

These analyses, opinions or interpretations are based on observations and material supplied by the client to whom, and for whose exclusive and confidential use this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. as errors and omissions excepted. Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations as to the productivity, proper operation, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

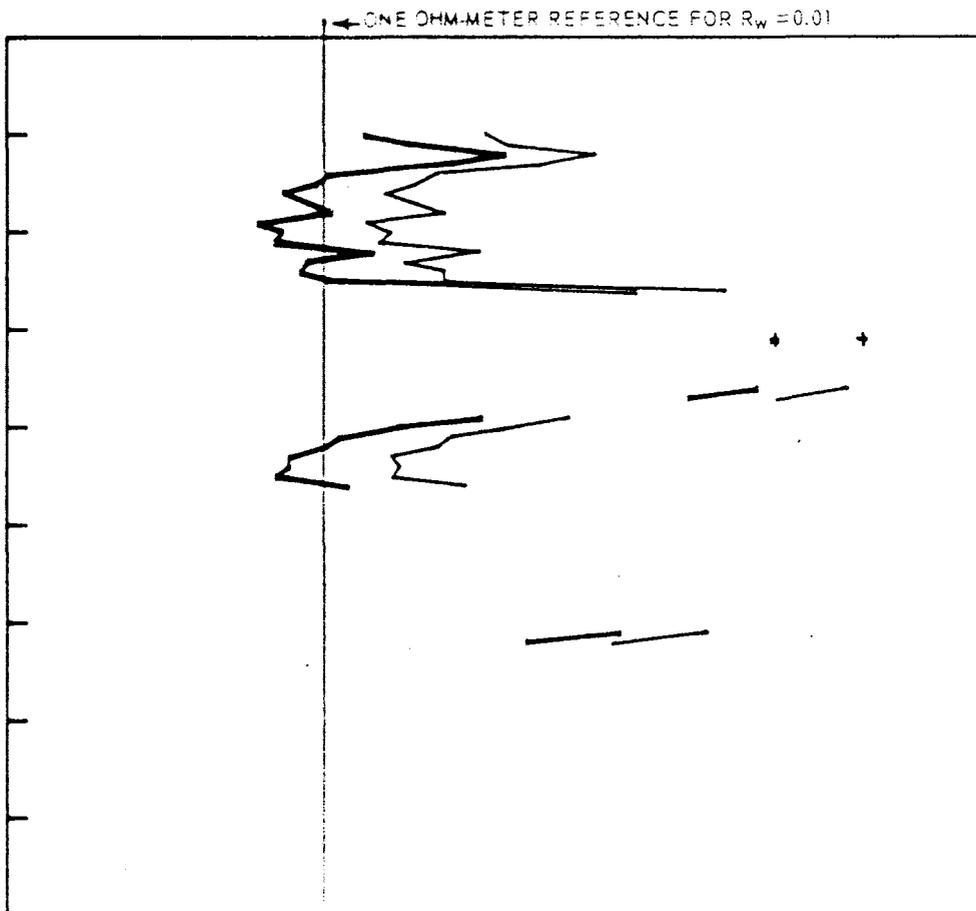
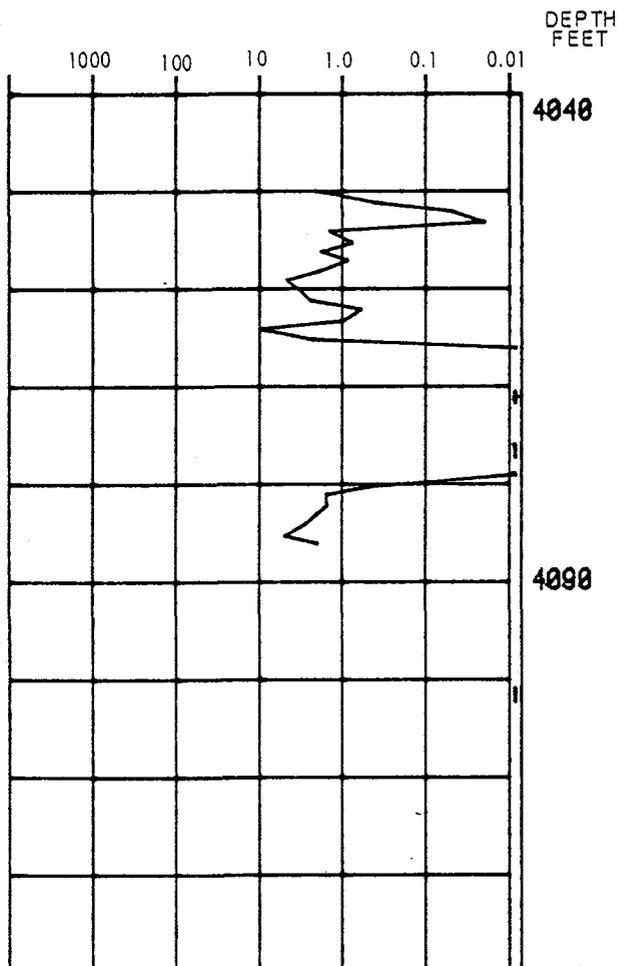
RESISTIVITY PARAMETERS:  $a = \underline{1.00}$   $m = \underline{2.00}$   $n = \underline{2.00}$  Depths 4050 to 4103  
 $a = \underline{\hspace{1cm}}$   $m = \underline{\hspace{1cm}}$   $n = \underline{\hspace{1cm}}$  Depths \_\_\_\_\_ to \_\_\_\_\_

PERMEABILITY  
MILLIDARCIES

CORE ANALYSIS CALCULATED RESISTIVITY

$R_0 = \text{OHM-METERS AT } 100\% \text{ S}_w = \underline{\hspace{2cm}}$

$R_{T0} = \text{OHM-METERS AT CRITICAL S}_w = \underline{\hspace{2cm}}$



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Lease No. U-7978  
 Communitization Agreement No. -----  
 Field Name Field  
 Unit Name -----  
 Participating Area -----  
 County Duchesne State Utah  
 Operator Diamond Shamrock Exploration Company

Form 9-329 Rev. Feb 76  
 OMB 42-RO356

MONTHLY REPORT  
OF  
OPERATIONS

Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of October, 1983

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.56) or shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.56).

RECEIVED  
NOV 15 1983

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
34-8	8 S.L.M.	9S	17E	DRLG.					Paiute Federal 34-8
						9-26 thru 10-4 Pump Test.			
						10-5 Rig up Completion Tool. Pull out of hole. Run in hole & set Bridge Plug @ 4,900'. Pull out of hole.			
						10-6 Perforate 4,737' - 4,747' (2 SPF = 21 holes). Frac with 238 bbl. Gel & 11.5K# sand.			
						10-7 Run in hole & circ. out sand.			
						10-8 Swab.			
						10-9 Run in hole with BOPs. Rig released. Pump Test.			
						10-10 thru 10-24 Pump Test.			
						10-25 Rig up Completion Tool. Pull out of hole.			

\*If none, so state.

Disposition of production (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*Produced	_____	_____	_____
*Sold	_____	_____	XXXXXXXXXX
*Spilled or Lost	_____	XXXXXXXXXX	XXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXXXX	_____	XXXXXXXXXX
*Used on Lease	_____	_____	XXXXXXXXXX
*Injected	_____	_____	_____
*Surface Pits	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	_____
*Other (Identify)	_____	_____	_____
*On hand, End of Month	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXX
*API Gravity/BTU Content	_____	_____	XXXXXXXXXX

Authorized Signature: [Signature]

Address: 5730 West Yellowstone Hwy.  
Casper, Wyoming 82604

Title: Asst. Dist. Drlg. Supt.

RECEIVED

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

DIVISION OF  
SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR  
DIAMOND SHAMROCK EXPLORATION COMPANY

3. ADDRESS OF OPERATOR  
P. O. DRAWER "E", VERNAL, UTAH 84078

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: N/A  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

5. LEASE  
U-7978

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
PAIUTE FEDERAL

9. WELL NO.  
14-4, 24-8, 34-8, 32-4

10. FIELD OR WILDCAT NAME  
MONUMENT BUTTE FIELD

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
SEC. 4 & 8, T9S, R17E

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

14. API NO.  
N/A

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
N/A

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) LAY SURFACE GAS LINES <input type="checkbox"/>	

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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

DIAMOND SHAMROCK EXPLORATION COMPANY requests permission to lay a surface wet gas gathering system and a surface dry gas distribution system for Diamond Shamrock operated oil wells within Federal Lease U-7978.

The wet gas lines will be 2" plastic and 3" polyethylene pipe and will connect wells within Federal Lease U-7978 to a 3 1/2" steel pipeline from the Paiute Federal 24-8 to the Monument Butte Gas Plant.

The dry gas distribution system will be 1" and 2" polyethylene pipe and will return reliable dry gas to individual well locations where it will be used to fuel surface equipment.

The laying of these lines will allow Diamond Shamrock to: 1) process and sell wet casinghead gas currently being vented, and, 2) reduce the amount of downtime caused by the condensation of liquids in the existing surface fuel gas lines.

These lines will follow lease and access roads wherever possible, will be buried and marked at road crossings, and will not create a surface disturbance.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

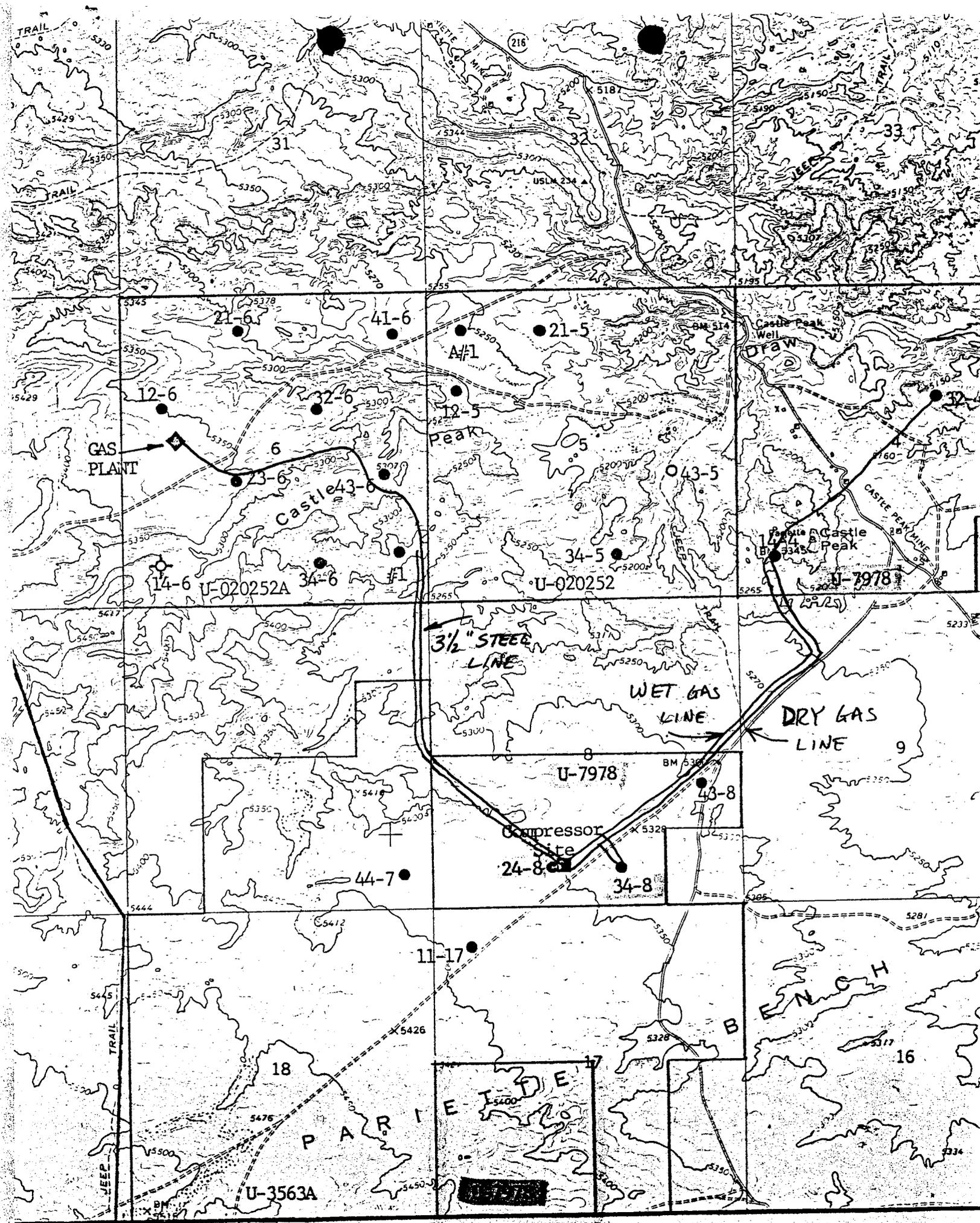
18. I hereby certify that the foregoing is true and correct

SIGNED Jeff W. Bonk TITLE District Engineer DATE 11-15-83

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:



TRAIL

216

31

32

33

21-6

41-6

21-5

Castle Peak Well

12-6

32-6

12-5

GAS PLANT

Castle Peak

Peak

043-5

14-6

U-020252A

34-6

#1

U-020252

Castle Peak

U-7978

3 1/2" STEEL LINE

WET GAS LINE

DRY GAS LINE

U-7978

Compressor site

24-8

34-8

44-7

11-17

BENCH

18

PARIE DE

16

U-3563A

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE

(See instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.5.

15

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

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

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

2. NAME OF OPERATOR:  
Diamond Shamrock Exploration Company

3. ADDRESS OF OPERATOR:  
5730 West Yellowstone Hwy., Casper, Wyoming 82604

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 1,980' FEL, 660' FSL SW/SE  
At top prod. interval reported below  
At total depth \_\_\_\_\_

5. LEASE DESIGNATION AND SERIAL NO.  
U-7978

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
\_\_\_\_\_

7. UNIT AGREEMENT NAME  
\_\_\_\_\_

8. FARM OR LEASE NAME  
Paiute Federal

9. WELL NO.  
34-8

10. FIELD AND POOL, OR WILDCAT  
Monument Butte

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
Sec. 8, T9S, R17E

14. PERMIT NO. 43-013-30778      DATE ISSUED 6/14/83

12. COUNTY OR PARISH Duchesne      13. STATE Utah

15. DATE SPUNDED 8/26/83      16. DATE T.D. REACHED 9/10/83      17. DATE COMPL. (Ready to prod.) 11/28/83      18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 5,338'      19. ELEV. CASINGHEAD 5,338'

20. TOTAL DEPTH, MD & TVD 6,011'      21. PLUG, BACK T.D., MD & TVD 5,964'      22. IF MULTIPLE COMPL., HOW MANY\* N/A      23. INTERVALS DRILLED BY → 0' - 6,011'      ROTARY TOOLS \_\_\_\_\_      CABLE TOOLS \_\_\_\_\_

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
4,026' - 4,066'      4,737' - 4,747'      4,077' - 4,090'      4,989' - 5,004'      Green River

25. WAS DIRECTIONAL SURVEY MADE  
No.

26. TYPE ELECTRIC AND OTHER LOGS RUN  
CNL-LDT, FDC, BHC, DIL, EPT, CBL-VDL

27. WAS WELL CORRED  
Yes

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	36#	247'	12 1/4"	210 sxs.	-0-
5 1/2"	15.5#	6,009'	7 7/8"	920 sxs.	-0-

29. LINER RECORD      30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	5,070'	N/A

31. PERFORATION RECORD (Interval, size and number)

Interval	Size	Number
4,026' - 4,066'	.48	81
4,077' - 4,090'	.48	27
4,737' - 4,747'	.48	21
4,989' - 5,004'	.48	31

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4,026' - 4,090'	1,205 bbl. gel & 106K# sand.
4,737' - 4,747'	238 bbl. gel & 11.5K# sand.
4,989' - 5,004'	369 bbl. gel 27.5K# sand.

33.\* PRODUCTION

DATE FIRST PRODUCTION 11/28/83      PRODUCTION METHOD Pumping      WELL STATUS Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
11/27/83	24	N/A	→	81	69	5	852:1

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
→	→	→	81	69	5	32

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

TEST WITNESSED BY  
Russ Ivie

35. LIST OF ATTACHMENTS  
Core-Lab Core Analysis

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

SIGNED \_\_\_\_\_ TITLE Asst. Dist. Drlg. Supt.      DATE 11/29/83

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



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

(FORM 9-329)  
(2/76)  
OMB 42-RO 356

MONTHLY REPORT  
OF  
OPERATIONS

Lease No. U-7978  
Communitization Agreement -----  
Field Name Field # 11000-8-17E  
Unit Name -----  
Participating Area -----  
County Duchesne State Utah  
Operator Diamond Shamrock Exploration Company  
 Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of November, 19 83

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
34-8	8 S.L.M.	9S	17E	DRLG.					Paiute Federal 34-8
						10/26			Set Blow-out preventer at 4,239'. Perf. 4,077' - 4,090' (27 holes) & 4,026' - 4,066' (81 holes).
						10/27			Frac w/1,206 bbl. gel & 107K# sand.
						10/28			Circ. sand. Land tubing at 4,035'.
						10/29			Swab test. Run pump and rods.
						10/30 - 11/15			Pump test.
						11/16			Rig up completion tool. Pull out of hole.
						11/17			Retrieve bridge plug.
						11/18			Run in hole with tubing. Turned to production.

RECEIVED  
NOV 10 1983  
DIVISION OF  
OIL, GAS & MINING

\*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*Produced	_____	_____	_____
*Sold	_____	_____	XXXXXXXXXXXXXXXXXXXX
*Spilled or Lost	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXXXX	_____	XXXXXXXXXXXXXXXXXXXX
*Used on Lease	_____	_____	XXXXXXXXXXXXXXXXXXXX
*Injected	_____	_____	_____
*Surface Pits	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	_____
*Other (Identify)	_____	_____	_____
*On hand, End of Month	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	_____	_____	XXXXXXXXXXXXXXXXXXXX

Authorized Signature: [Signature] Address: 5730 West Yellowstone Hwy. Casper, Wyoming 82604  
Title: Asst. Dist. Drlg. Supt Page 1 of 1

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

**SUBMIT IN TRIPLICATE\***  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		<b>RECEIVED</b>  JUN 6 1984  DIVISION OF OIL GAS & MINING	5. LEASE DESIGNATION AND SERIAL NO. U-7978
2. NAME OF OPERATOR DIAMOND SHAMROCK EXPLORATION COMPANY			6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. DRAWER "E", VERNAL, UTAH 84078			7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1980' FEL & 660' FSL (SW/SE)			8. FARM OR LEASE NAME PAILITE FEDERAL
14. PERMIT NO. 43-013-30778		15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5338' GR	9. WELL NO. 34-8
			10. FIELD AND POOL, OR WILDCAT MONUMENT BUTTE FIELD
			11. SEC., T., S., M., OR BLK. AND SURVEY OR AREA SEC. 8, T9S, R17E
			12. COUNTY OR PARISH DUCHESNE
			13. STATE UTAH

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>

(Other) NIT-4A-Authority to vent gas  (NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

DIAMOND SHAMROCK EXPLORATION COMPANY requests permission to vent excess casinghead gas on the Paiute Federal 34-8 well. This well is currently connected to our Monument Butte Gas Plant, but gas volume and quality is too poor to make processing economical.

We are currently installing equipment at the plant that will allow us to process higher concentrations of H<sub>2</sub>S. After installation of this equipment is completed, we will resume processing and sale of casinghead gas from this well.

Estimated vent volume is 5 MCF/Day.

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

SIGNED *Jeff H. Ronk* TITLE Production Engineer DATE June 4, 1984

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

Maxus Energy Corporation  
LTV Center  
2001 Ross Avenue  
Dallas, Texas 75201  
214 979-2800

RECEIVED  
JUN 05 1987

060810

DIVISION OF  
OIL, GAS & MINING

June 2, 1987

**MAXUS**

Utah Division of Oil, Gas & Mining  
Attn: Norm Stout  
355 W. North Temple  
3 Triad Center, Suite 350  
Salt Lake City, UT 84180-1203

Dear Mr. Stout,

Regarding your request for information concerning the change of name of our company from Diamond Shamrock Exploration, to Maxus Exploration Company:

1. New replacement bond is being taken care of by Sherry Neally (214) 953-2858, and will be mailed to you shortly by Judy Tate (806) 378-3876.
2. Contact names will remain the same - Kaleb Leake (307) 266-1882, Maxus Exploration Company, P.O. Box 2530, Mills, WY 82644, for drilling and permitting; Pat Cote (214) 979-2822, at the letterhead address, for production and disposition reporting.
3. I am enclosing a copy of our most recent production report. This is a complete list of all wells to be affected by the name change.
4. The name change is effective 4-28-87. All name change notices are being handled by Dick Smith in our Legal Department (214) 953-2979. He assures us that the notices will be sent out in a few days.
5. There are no changes in the division of interest on any of the attached wells, therefore all entity numbers will remain the same.

Thank you for your patience in this matter, and please contact me if there is any other information needed.

Sincerely,

*Pat Cote*

Pat Cote  
Production Clerk, Oil Revenue  
Maxus Exploration  
(214) 979-2822



UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut  
84180-1203. (801-538-5340)

# MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

RECEIVED

JUN 05 1987

DIVISION OF  
OIL, GAS & MINING

•DIAMOND SHAMROCK EXPL.  
2001 ROSS AVE #1500  
DALLAS TX 75201  
ATTN: PAT COTE

Utah Account No. NO340

Report Period (Month/Year) 4 / 87

Amended Report

Well Name			Producing Zone	Days Oper	Production Volume		
API Number	Entity	Location			Oil (BBL)	Gas (MSCF)	Water (BBL)
X 4301330612	01140 09S 17E 5	ALLEN FEDERAL 21-5	GRRV	30	235	906	-0-
X 4301330664	01145 09S 16E 15	CASTLE PK FED #11-15	GRRV	-0-	-0-	-0-	-0-
X 4301330634	01150 09S 16E 15	CASTLE PK FED. 22-15	GRRV	30	355	2088	-0-
X 4301330631	01160 09S 16E 15	CASTLE PK FED 24-15	GRRV	30	102	199	-0-
X 4301330613	01165 09S 16E 15	CASTLE PK FED 31-15	GRRV	28	171	456	5
X 4301330632	01170 09S 16E 15	CASTLE PK FED 33-15	GRRV	30	102	191	15
X 4301330633	01175 09S 16E 15	CASTLE PK FED 42-15	GRRV	24	125	363	10
X 4301330630	01180 09S 16E 10	CASTLE PK FED 44-10	GRRV	30	109	169	-0-
X 4301330594	01181 09S 16E 16	CASTLE PK ST 43-16	GRRV	10	160	997	210
X 4301315784	01185 09S 16E 15	CASTLE PEAK 5	GRRV	-0-	-0-	-0-	-0-
X 4301330778	01200 09S 17E 8	PAIUTE FED 34-8	GRRV	30	123	314	-0-
X 4301330666	01205 09S 17E 7	MOCON FED 44-7	GRRV	30	148	237	-0-
X 4301330516	01210 09S 17E 17	PAIUTE FED 11-17	GRRV	30	382	1126	15
<b>TOTAL</b>					2012	7046	255

Comments (attach separate sheet if necessary) \_\_\_\_\_

I have reviewed this report and certify the information to be accurate and complete. Date 6-2-87

Pat Cote  
Authorized signature Telephone (214) 979-2822

COMPANY: MAXUS EXPLORATION CO

UT ACCOUNT # \_\_\_\_\_

SUSPENSE DATE: 6-10-87

(FORMERLY DIAMOND SHAMROCK EXPLORATION CO)

TELEPHONE CONTACT DOCUMENTATION

CONTACT NAME: PAT COTE (PAT PRONOUNCES HER NAME "COATEE")

CONTACT TELEPHONE NO.: (214) 977-2822

SUBJECT: OPERATOR CHANGE - DIAMOND SHAMROCK EXPLORATION CO TO MAXUS EXPL CO

(Use attachments if necessary)

RESULTS: PAT SAID SHE WOULD PROVIDE: LTR OF EXPLANATION FOR 1) EFFECTIVE DATE, 2) BONDING, 3) ENTITY REVIEW, 4) WELLS IN QUESTION, 5) ADDRESS & TEL FOR BOTH DRILLING AND PRODUCTION CONTACT PEOPLE,

SHE WILL USE ~~GOPT~~ A SUPPLEMENTED COPY OF TAD TO IDENTIFY ALL WELLS, INCLUDING DRILLING AND INJECTION

(Use attachments if necessary)

CONTACTED BY: 

DATE: 6-2-87



# BALCRON OIL

A Division of  
Equitable Resources Energy Company

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

RECEIVED

OCT 09 1991

DIVISION OF  
OIL GAS & MINING

October 8, 1991

-- VIA FEDERAL EXPRESS --

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

Dear Lisha:

Enclosed are sundry notices for Change of Operator for the wells on the enclosed list. These wells are currently operated by Maxus Exploration Company and are being transferred to:

Balcron Oil  
P.O. Box 21017  
Billings, MT 59104

The transfer is effective November 1, 1991.

If there is any other information you need or if you have any questions, please give me a call.

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Coordinator of Operations,  
Environmental, and Regulatory Affairs

/rs

Enclosures

cc: James M. Pachulski, Maxus Exploration Company

*Thanks for all  
your help, Lisha.*

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION & SERIAL NO.

SEE ATTACHED LIST

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

1. OIL WELL  GAS WELL  OTHER

8. FARM OR LEASE NAME

2. NAME OF OPERATOR  
EQUITABLE RESOURCES ENERGY COMPANY

9. WELL NO.

3. ADDRESS OF OPERATOR  
P.O. Box 21017; Billings, MT 59104 (406)259-7860

10. FIELD AND POOL, OR WILDCAT

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)  
At surface

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

At proposed prod. zone SEE ATTACHED LIST

14. API NO.

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

12. COUNTY

13. STATE

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF  FULL OR ALTER CASING   
 FRACTURE TREAT  MULTIPLE COMPLETE   
 SHOOT OR ACIDIZE  ABANDON   
 REPAIR WELL  CHANGE PLANS   
 (Other)  Change of Operator

WATER SHUT-OFF  REPAIRING WELL   
 FRACTURE TREATMENT  ALTERING CASING   
 SHOOTING OR ACIDIZING  ABANDONMENT\*   
 (Other)

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

APPROX. DATE WORK WILL START \_\_\_\_\_

DATE OF COMPLETION \_\_\_\_\_

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

\* Must be accompanied by a cement verification report.

Effective November 1, 1991, the operator of this well will change from Maxus Exploration Company

TO: EQUITABLE RESOURCES ENERGY COMPANY  
P.O. Box 21017  
Billings, MT 59104

Effective November 1, 1991, Equitable Resources Energy Company is responsible under the terms and conditions of the lease for operations conducted on the leased lands or a portion thereof under Bureau of Land Management Bond #5547188 issued by Safeco Insurance Co.

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OCT 09 1991

DIVISION OF  
OIL GAS & MINING

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

SIGNED [Signature] TITLE Attorney-in-Fact

DATE October 8, 1991

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

Maxus Exploration Com  
P.O. Box 2530  
Mills, Wyoming 82644  
307 266-1882

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OCT 10 1991

DIVISION OF  
OIL GAS & MINING

**MAXUS**

October 7, 1991

State of Utah  
Division of Oil & Gas  
3 Triad Center, Ste. 350  
Salt Lake City, Utah 84180

Re: Operator Transfer of Maxus  
Exploration Company Wells

Dear Sir:

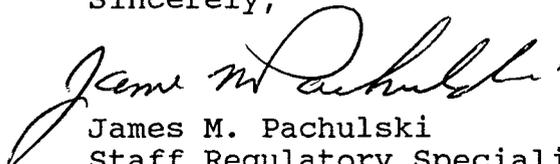
Attached is a list of wells within the State of Utah currently operated by Maxus Exploration Company. These wells are in the process of being transferred to a new operator:

Balcron Oil  
P.O. Box 21017  
Billings, Montana 59104  
Attn: Bobbie Schuman  
Coordinator of Environmental and Regulatory  
Affairs (406) 259-7860

The transfer will become effective on November 1, 1991. Individual Sundry notices for each well will be forwarded to the BLM with a copy to the State of Utah by Balcron Oil in the near future. These Sundry Notices will include the bond number, effective date and a statement agreeing to be responsible under the terms and conditions of the lease.

Please contact the undersigned if there are any questions. Thank you.

Sincerely,

  
James M. Pachulski  
Staff Regulatory Specialist

JMP:ka

cc: Balcron Oil

Maxus Energy Corporation  
717 North Harwood Street  
Dallas, Texas 75201  
214 953-2000

11/1/91

**MAXUS**

TO: INTEREST OWNERS

SALES OF WELLS

MAXUS HAS SOLD ALL THEIR NORTH DAKOTA, MONTANA, UTAH, AND WYOMING (EXCEPT ALPHA FIELD in WYOMING) EFFECTIVE 11/1/91.

TO: BALCON OIL & GAS CO  
P. O. BOX 21017  
BILLINGS, MT 59104

PRODUCTION DEPT / JENICE FUGERE

PH: 406/259-7860

IT IS MY UNDERSTANDING THAT MAXUS WILL OPERATE THESE WELLS UNTIL NOVEMBER 1, 1991, ~~BUT THAT IS SUBJECT TO CHANGE~~. I JUST WANTED TO GIVE YOU THEIR NAME AND ADDRESS.

*Nancy Lawrence*

Nancy Lawrence / 214/953-2177  
Oil Accounting

RECEIVED

NOV 29 1991

DIVISION OF  
OIL GAS & MINING



355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut  
84180-1203. • (801-538-5340)

## MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• ATTN NANCY LAWRENCE  
MAXUS EXPLORATION COMPANY  
717 N. HARWOOD, STE 2900  
DALLAS TX 75201-

Utah Account No. \_\_\_\_\_  
N0865  
Report Period (Month/Year) \_\_\_\_\_  
12 / 91  
Amended Report

Well Name API Number      Entity      Location	Producing Zone	Days Oper	Production Volume		
			Oil (BBL)	Gas (MSCF)	Water (BBL)
ALLEN FEDERAL 12-6 ✓ 4301330582 01135 09S 17E 6	GRRV				
ALLEN FEDERAL 21-5 ✓ 4301330612 01140 09S 17E 5	GRRV				
CASTLE PK FED. 22-15 ✓ 4301330634 01150 09S 16E 15	GRRV				
CASTLE PK FED 24-15 ✓ 4301330631 01160 09S 16E 15	GRRV				
CASTLE PK FED 31-15 ✓ 4301330613 01165 09S 16E 15	GRRV				
CASTLE PK FED 33-15 ✓ 4301330632 01170 09S 16E 15	GRRV				
CASTLE PK FED 42-15 ✓ 4301330633 01175 09S 16E 15	GRRV				
CASTLE PK FED 44-10 ✓ 4301330630 01180 09S 16E 10	GRRV				
CASTLE PK ST 43-16 4301330594 01181 09S 16E 16	GRRV ✓		<i>ML-16532 (Have Doc. fr. Maxus - Need doc. fr. Belcon)</i>		
PAIUTE FED 34-8 ✓ 4301330778 01200 09S 17E 8	GRRV				
MOCON FED 44-7 ✓ 4301330666 01205 09S 17E 7	GRRV				
PAIUTE FED 11-17 ✓ 4301330516 01210 09S 17E 17	GRRV				
PAIUTE FED 14-4 ✓ 4301330671 01215 09S 17E 4	GRRV				
TOTAL					

Comments (attach separate sheet if necessary) \_\_\_\_\_  
\_\_\_\_\_

I have reviewed this report and certify the information to be accurate and complete.      Date \_\_\_\_\_

Authorized signature \_\_\_\_\_      Telephone \_\_\_\_\_



# United States Department of the Interior



BUREAU OF LAND MANAGEMENT  
VERNAL DISTRICT OFFICE  
170 SOUTH 500 EAST  
VERNAL, UTAH 84078

IN REPLY REFER TO:

3162.3  
UT08438

JAN 02 1992

Equitable Resources Energy Company  
Attn: Bobbie Schuman  
P.O. Box 21017  
Billings, Montana 59104

Re: <sup>43-013-20778</sup> Well No. Paiute Federal 34-8  
SWSE, Sec. 8, T9S, R17E  
Duchesne County, Utah  
Lease U-7978

Dear Ms. Schuman:

This correspondence is in regard to the self-certification statement submitted requesting a change in operator for the referenced well. After a review by this office, the change in operator request is approved. Effective immediately, Equitable Resources Energy Company is responsible for all operations performed on the referenced well. All liability will now fall under your bond, BLM Bond No. MT0576, for all operations conducted on the referenced well on the leased land.

If you have any other questions concerning this matter, please contact Ed Forsman of this office at (801) 789-1362.

Sincerely,

Howard B. Cleavinger II  
Assistant District Manager for Minerals

cc: Maxus Exploration Company  
Gavilan Operating  
Walker Energy Group

**RECEIVED**

JAN 06 1992

DIVISION OF  
OIL, GAS & MINING

1- LCR
2- DTS
3- VLC
4- RJF
5- RWM
6- ADA 7-LCR

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: 11-1-91)

(new operator) BALCRON OIL  
(address) P. O. BOX 21017  
1601 LEWIS AVENUE BUILDING  
BILLINGS, MT 59104  
phone (406 ) 259-7860  
account no. N9890 (12-5-91)

FROM (former operator) MAXUS EXPLORATION COMPANY  
(address) 717 N. HARWOOD, STE 2900  
DALLAS, TX 75201.  
JAMES PACHULSKI (WYO)  
phone ( 307 ) 266-1882  
account no. N 0865

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

Name: <b>**SEE ATTACHED**</b>	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: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Rec'd 10-10-91)
2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Rec'd 10-9-91)
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) yes If yes, show company file number: dba 097441. (Owned by Equitable Resources Energy Company # 134640)
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.
5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (1-10-92)
6. Cardex file has been updated for each well listed above. (1-13-92)
7. Well file labels have been updated for each well listed above. (1-13-92)
8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (1-10-92)
9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- 1. (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).
- 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

VERIFICATION (Fee wells only)

- 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.
- 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

- 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.
- 2. Copies of documents have been sent to State Lands for changes involving State leases.

MICROFILMING

- 1. All attachments to this form have been microfilmed. Date: \_\_\_\_\_ 19\_\_\_\_.

INDEXING

- 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.

REMARKS

- 911007 Btm/Vernal "No documentation as of yet."
- 911025 Btm/Vernal "Have documentation - not approved as of yet." Will notify D&Bm when approved.
- 911125 Btm/Vernal " " "
- 911231 Btm/Vernal " " "
- 920110 Balceron/Bobby Schuman Reg. Transfer of Authority to inject "Perrette Bench Unit #4" and 134-35 Sundry for operator change "Castlepeak St. 43-16"

# MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• DAWN SCHINDLER  
BALCRON OIL  
PO BOX 21017  
BILLINGS MT 59104

Utah Account No. N9890

Report Period (Month/Year) 1 / 93

Amended Report

Well Name	Producing	Days	Production Volume		
API Number    Entity    Location	Zone	Oper	Oil (BBL)	Gas (MSCF)	Water (BBL)
ALLEN FEDERAL 21-5					
✓ 4301330612 01140 09S 17E 5	GRRV				
CASTLE PK FED. 22-15					
✓ 4301330634 01150 09S 16E 15	GRRV				
CASTLE PK FED 24-15					
✓ 4301330631 01160 09S 16E 15	GRRV				
CASTLE PK FED 31-15					
✓ 4301330613 01165 09S 16E 15	GRRV				
CASTLE PK FED 33-15					
✓ 4301330632 01170 09S 16E 15	GRRV				
CASTLE PK FED 42-15					
✓ 4301330633 01175 09S 16E 15	GRRV				
CASTLE PK FED 44-10					
✓ 4301330630 01180 09S 16E 10	GRRV				
CASTLE PK ST 43-16					
✓ 4301330594 01181 09S 16E 16	GRRV				
PAIUTE FED 34-8					
✓ 4301330778 01200 09S 17E 8	GRRV				
MOCON FED 44-7					
✓ 4301330666 01205 09S 17E 7	GRRV				
PAIUTE FED 11-17					
✓ 4301330516 01210 09S 17E 17	GRRV				
PAIUTE FED 14-4					
✓ 4301330671 01215 09S 17E 4	GRRV				
PAIUTE FED 24-8					
✓ 4301330675 01220 09S 17E 8	GRRV				
TOTAL					

Comments (attach separate sheet if necessary) \_\_\_\_\_

I have reviewed this report and certify the information to be accurate and complete. Date \_\_\_\_\_

Authorized signature \_\_\_\_\_ Telephone \_\_\_\_\_



EQUITABLE RESOURCES ENERGY COMPANY,  
BALCRON OIL DIVISION

1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104  
(406) 259-7860  
FAX: (406) 245-1364

March 4, 1993

State of Utah  
Uintah County  
152 East 100 North  
Vernal, UT 84078

Gentlemen:

Effective March 1, 1993, the name of our company has changed from Balcron Oil Company to Equitable Resources Energy Company, Balcron Oil Division.

Please make the necessary changes in your records and let me know if there is anything else we need to do in order to effect the change for the 1993 Uintah County Business License.

Sincerely,

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

RECEIVED

MAR 08 1993

DIVISION OF  
OIL GAS & MINING

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

Routing:

1	LEC	7-011
2	DPS	8-DEC
3	VLC	✓
4	RJF	✓
5	RWM	✓
6	ADA	✓

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: 3-1-93)

TO (new operator)	<u>EQUITABLE RESOURCES ENERGY CO</u>	FROM (former operator)	<u>BALCRON OIL</u>
(address)	<u>BALCRON OIL DIVISION</u>	(address)	<u>PO BOX 21017</u>
	<u>PO BOX 21017</u>		<u>BILLINGS MT 59104</u>
	<u>BILLINGS MT 59104</u>		
	phone <u>(406) 259-7860</u>		phone <u>(406) 259-7860</u>
	account no. <u>N 9890</u>		account no. <u>N9890</u>

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

Name: <b>**ALL WELLS**</b>	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: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- N/A 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- See 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Rec'd 3-8-93)*
- See 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: 134640.
- \* 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.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(3-19-93)*
- See 6. Cardex file has been updated for each well listed above. *(3-19-93)*
- See 7. Well file labels have been updated for each well listed above. *(3-19-93)*
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(3-19-93)*
- See 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

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

BOND VERIFICATION (Fee wells only) \*930319 Re'd bond riders eff. 3-4-93.

- 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond. #5578314/80,000 Belcon Oil, A Division of Equitable Resources Energy Company.
- 2. A copy of this form has been placed in the new and former operators' bond files. \*upon completion of routing.
- 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.
- N/A 2. Copies of documents have been sent to State Lands for changes involving State leases. see comments below

MICROFILMING

- RWM 1. All attachments to this form have been microfilmed. Date: March 30 1993.

FILED

- 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

930308 Btm 15.4. No change necessary, they always recognized company name as "Equitable Resources Energy Company, Belcon Oil Division".

**EQUITABLE RESOURCES  
ENERGY COMPANY**  
BALCRON OIL DIVISION1601 Lewis Avenue  
Billings, MT 59102  
(406) 259-7860★FAX TRANSMITTAL★FAX NO.: (406) 245-1365

**TO:** NAME: Leesha  
COMPANY: Utah, Division of Oil, Gas, & Mining  
DATE: 02-21-96  
FAX #:

**FROM:** Molly Conrad  
Equitable Resources Energy Company, Balcron Oil Division  
1601 Lewis Avenue  
Billings, MT 59102  
Phone: (406) 259-7860 ext 236

TOTAL # OF PAGES 2  
(including this cover sheet)

If you do not receive all pages, please call back as soon as possible at (406) 259-7860.

TELECOMMUNICATOR: mmc

**SPECIAL INSTRUCTIONS:**

Here is a list of the Beluga Unit wells that you requested yesterday. Please let me know when you come up with an Entity Action number for them. The unit was effective 2-1-96, so I will have to change all of my records before reporting February production.

Thanks for your help!!

**NOTE:** The information contained in this facsimile message is privileged and confidential, and is intended only for the use of the individual(s) or entity name above who have been specifically authorized to receive it. If the reader is not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and return all pages to the address shown above. THANK YOU.

OPERATOR EQUITABLE RESOURCES ENERGY

OPERATOR ACCT. NO. H9890

ADDRESS BALCRON OIL DIVISION

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
D		11880				9S	17E		DUCHESNE		
WELL 1 COMMENTS: *BELUGA UNIT EFF 2-1-96 (SEE ATTACHED LIST OF WELLS BEING CHANGED FROM CURRENT ENTITY TO NEW UNIT ENTITY 11880).											
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.

L. CORDOVA (DOG M)

Signature

ADMIN. ANALYST

2-22-96

Title

Date

Phone No. ( )

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

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

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

UTAH ACCOUNT NUMBER: N9890

REPORT PERIOD (MONTH/YEAR): 12 / 95

AMENDED REPORT  (Highlight Changes)

Well Name API Number	Entity	Location	Producing Zone	Well Status	Days Oper	Production Volumes		
						OIL(BBL)	GAS(MCF)	WATER(BBL)
BOLL WEEVIL FED 26-13								
4301330770	00035	08S 16E 26	GRRV					
CASTLE PK ST 43-16								
4301330594	01181	09S 16E 16	GRRV					
<del>WPALETTE FEDERAL 34-28</del>								
4301330778	01200	09S 17E 8	GRRV					
<del>MOGON FEDERAL 10-7</del>								
4301330666	01205	09S 17E 7	GRRV					
<del>WPALETTE FEDERAL 12-17</del>								
4301330516	01210	09S 17E 17	GRRV					
<del>WPALETTE FEDERAL 24-28</del>								
4301330675	01220	09S 17E 8	GRRV					
JOURNEY FED 1-9								
4304730070	01260	09S 19E 9	GRRV					
CASTLE PK FED 24-10A								
4301330555	01281	09S 16E 10	GRRV					
HENDEL FED 1-17								
4304730059	01305	09S 19E 17	GRRV					
HENDEL FED 3-17								
4304730074	01305	09S 19E 17	GRRV					
HENDEL FED. 1-9								
4304720011	01310	09S 19E 9	GRRV					
PARIETTE BENCH FED 14-5								
4304731123	01335	09S 19E 5	GRRV					
PARIETTE BENCH UNIT 2								
4304715680	01345	09S 19E 7	GRRV					
<b>TOTALS</b>								

REMARKS:

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

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

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

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

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

## MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

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

UTAH ACCOUNT NUMBER: N9890

REPORT PERIOD (MONTH/YEAR): 12 / 95

AMENDED REPORT  (Highlight Changes)

Well Name API Number	Entity	Location	Producing Zone	Well Status	Days Oper	Production Volumes		
						OIL(BBL)	GAS(MCF)	WATER(BBL)
PARIETTE BENCH FED 41-7 4304731584	01346	09S 19E 7	GRRV					
<del>SUE MORRIS 16-3</del> 4301330562	01450	09S 17E 16	GRRV					
STATE 16-2 4301330552	01451	09S 17E 16	GRRV					
K JORGENSON ST 16-4 4301330572	01452	09S 17E 16	GRRV					
<del>DUNCAN EST 16-5</del> 4301330570	01453	09S 17E 16	GRRV					
<del>PARIETTE FEDERAL 43-8</del> 01330777	02042	09S 17E 8	GRRV					
<del>FEDERAL 18</del> 4301330332	08100	09S 17E 18	DGCRK					
<del>POMGO #2</del> 4301330505	08101	09S 17E 18	GR-WS					
<del>POMGO #1</del> 4301330506	08102	09S 17E 17	GRRV					
<del>POMGO #5</del> 4301330499	08104	09S 17E 17	GRRV					
PARIETTE BENCH FED 32-6 4304731554	09885	09S 19E 6	GRRV					
PARIETTE BENCH FED 43-6 4304731616	10280	09S 19E 6	GRRV					
<del>MAXUS FEDERAL 23-8</del> 4301331196	10800	09S 17E 8	GRRV					
<b>TOTALS</b>								

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

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

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

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

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

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

UTAH ACCOUNT NUMBER: N9890

REPORT PERIOD (MONTH/YEAR): 12 / 95

AMENDED REPORT  (Highlight Changes)

Well Name API Number	Entity	Location	Producing Zone	Well Status	Days Oper	Production Volumes		
						OIL(BBL)	GAS(MCF)	WATER(BBL)
COYOTE FEDERAL 21-5 4304732260	11500	08S 25E 5	GRRV					
COYOTE FEDERAL 13-5 4304732261	11500	08S 25E 5	GRRV					
FEDERAL 22-10Y 4301331395	11501	09S 17E 10	GRRV					
FEDERAL 41-21Y 4301331392	11505	09S 16E 21	GRRV					
FEDERAL 44-14Y 4304732438	11506	09S 17E 14	GRRV					
FEDERAL 21-13Y 4301331400	11510	09S 16E 13	GRRV					
FEDERAL 21-9Y 4301331396	11513	09S 16E 9	GRRV					
<del>MONUMENT FEDERAL 21-51</del> 4301331387	11528	09S 17E 17	GRRV					
<del>FEDERAL 21-8</del> 4301331398	11529	09S 17E 8	GRRV					
FEDERAL 21-25Y 4301331394	11530	09S 16E 25	GRRV					
<del>MONUMENT FEDERAL 21-8</del> 4301331382	11574	09S 17E 8	GRRV					
<del>MONUMENT FEDERAL 21-8</del> 4301331427	11613	09S 17E 8	GRRV					
<del>MONUMENT FEDERAL 21-7</del> 4301331432	11616	09S 17E 7	GRRV					
<b>TOTALS</b>								

REMARKS:

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

MONTHLY OIL AND GAS PRODUCTION REPORT

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1601 LEWIS AVE  
BILLINGS MT 59102-4126

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AMENDED REPORT  (Highlight Changes)

Well Name API Number	Entity	Location	Producing Zone	Well Status	Days Oper	Production Volumes		
						OIL(BBL)	GAS(MCF)	WATER(BBL)
MONUMENT FEDERAL 11-25 4304732455 11625 08S 17E 25			GRRV					
<del>MONUMENT FEDERAL 31-17</del> 4301331428 11635 09S 17E 17			GRRV					
<del>MONUMENT FEDERAL 22-17</del> 4301331429 11638 09S 17E 17			GRRV					
<del>BALCRON MONUMENT FEDERAL 12-17</del> 4301331431 11640 09S 17E 17			GRRV					
ALLEN FEDERAL 31-6G 4301331442 11642 09S 17E 6			GRRV					
BALCRON FEDERAL 41-19Y 4304732504 11651 09S 18E 19			GRRV					
BALCRON MONUMENT STATE 14-2 4301331425 11656 09S 17E 2			GRRV					
FEDERAL 44-4Y 4301331452 11679 09S 17E 4			GRRV					
FEDERAL 31-5Y 4304732503 11680 09S 18E 5			GRRV					
BALCRON MONUMENT FEDERAL 21-25 4304732528 11683 08S 17E 25			GRRV					
<del>MONUMENT FEDERAL 17-17</del> 4301331466 11692 09S 17E 17			GRRV					
MONUMENT FEDERAL 12-25 4304732526 11694 08S 17E 25			GRRV					
<del>MONUMENT FEDERAL 12-17</del> 4301331467 11698 09S 17E 17			GRRV					
<b>TOTALS</b>								

REMARKS:

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

# MONTHLY OIL AND GAS PRODUCTION REPORT

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EQUITABLE RESOURCES ENERGY  
1601 LEWIS AVE  
BILLINGS MT 59102-4126

UTAH ACCOUNT NUMBER: N9890

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AMENDED REPORT  (Highlight Changes)

Well Name	PI Number	Entity	Location	Producing Zone	Well Status	Days Oper	Production Volumes		
							OIL(BBL)	GAS(MCF)	WATER(BBL)
<del>MONUMENT FEDERAL 32-17A</del>									
4301331465	11704	09S	17E 17	GRRV					
MONUMENT FEDERAL 32-25									
4304732524	11707	08S	17E 25	GRRV					
MONUMENT FEDERAL 31-25									
4304732530	11710	08S	17E 25	GRRV					
BALCRON FEDERAL 12-22Y									
4301331476	11717	08S	17E 22	GRRV					
MONUMENT FEDERAL 33-25									
4304732525	11729	08S	17E 25	GRRV					
MONUMENT FEDERAL 23-25									
4304732529	11730	08S	17E 25	GRRV					
BALCRON MONUMENT STATE 24-2									
4304732612	11736	09S	17E 2	GRRV					
BALCRON MONUMENT STATE 13-2									
4301331482	11738	09S	17E 2	GRRV					
BALCRON MONUMENT STATE 22-2									
4304732610	11742	09S	17E 2	GRRV					
BALCRON MONUMENT STATE 12-2									
4301331481	11745	09S	17E 2	GRRV					
BALCRON FEDERAL 31-19Y									
4304732614	11751	09S	18E 19	GRRV					
BALCRON FEDERAL 42-19Y									
4304732616	11756	09S	18E 19	GRRV					
BALCRON FEDERAL 12-20Y									
4304732617	11758	09S	18E 20	GRRV					
<b>TOTALS</b>									

REMARKS: \_\_\_\_\_

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**EQUITABLE RESOURCES  
ENERGY COMPANY**  
BALCRON OIL DIVISION

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

★FAX TRANSMITTAL★

FAX NO.: (406) 245-1365

TO: NAME: Leesha  
COMPANY: Utah, Division of Oil, Gas, & Mining  
DATE: 02-21-96  
FAX #:

FROM: Molly Conrad  
Equitable Resources Energy Company, Balcron Oil Division  
1601 Lewis Avenue  
Billings, MT 59102  
Phone: (406) 259-7860 ext 236

TOTAL # OF PAGES 2  
(including this cover sheet)

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TELECOMMUNICATOR: mmc

**SPECIAL INSTRUCTIONS:**

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OPERATOR EQUITABLE RESOURCES ENERGY

OPERATOR ACCT. NO. 19890

ADDRESS BALCRON OIL DIVISION

\_\_\_\_\_

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					QQ	SC	TP	RG	COUNTY		
D		11880				9S	17E		DUCHESNE		
WELL 1 COMMENTS: *BELUGA UNIT EFF 2-1-96 (SEE ATTACHED LIST OF WELLS BEING CHANGED FROM CURRENT ENTITY TO NEW UNIT ENTITY 11880).											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

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

L. CORDOVA (DOGM)

Signature

ADMIN. ANALYST

2-22-96

Title

Date

Phone No. ( )

P.2/2

✓ A. Anderson State #1-16	Monument Butte	SW SW	16	9S	17E	Duchesne	UT	Oil (Sl)	Green River	ML-3453	43-013-15582	660' FSL, 560' FWL		Beluga
✓ Balcron Monument Fed. #12-17	Monument Butte	SW NW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31431	1980' FNL, 660' FWL	Vernal	Beluga
✓ Balcron Monument Fed. #13-8	Monument Butte	NW SW	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-31382	2060' FSL, 694' FWL	Vernal	Beluga
✓ Balcron Monument Fed. #14-8	Monument Butte	SW SW	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-31398	660' FSL, 660' FWL	Vernal	Beluga
✓ Balcron Monument Fed. #21-17	Monument Butte	NE NW	17	9S	17E	Duchesne	UT	Oil	Green River	U-3563-A	43-013-31387	500' FNL, 1980' FWL	Vernal	Beluga
✓ Balcron Monument Fed. #22-17	Monument Butte	SE NW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31429	1800' FNL, 1980' FWL	Vernal	Beluga
✓ Balcron Monument Fed. #31-17	Monument Butte	NE NW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31428	660' FNL, 1980' FEL	Vernal	Beluga
✓ Balcron Monument Fed. #32-17	Monument Butte	SW NE	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31485	1660' FNL, 1980' FEL	Vernal	Beluga
✓ 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. #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. #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. #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
✓ D. Duncan State #16-5	Monument Butte	SW NW	16	9S	17E	Duchesne	UT	Oil	Green River	State ML-3453-B	43-013-30570	1922' FNL, 865' FWL		Beluga
✓ DMD Federal #17-1	Monument Butte	NE SE	17	9S	17E	Duchesne	UT	Oil (Sl)	Green River	U-44430	43-013-30689	2059' FSL, 0584' FEL	Vernal	Beluga
✓ Federal #1-18	Monument Butte	NW NE	18	9S	17E	Duchesne	UT	OSI	Green River	U-3563	43-013-30332	636' FNL, 2185' FEL	Vernal	Beluga
✓ Manus Federal #23-8	Monument Butte	NE SW	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-31196	1847' FSL, 1947' FWL	Vernal	Beluga
✓ Mocon Federal #44-7	Monument Butte	SE SE	7	9S	17E	Duchesne	UT	Oil	Green River	U-3563-A	43-013-30666	670' FSL, 663' FEL	Vernal	Beluga
✓ Monument Federal #23-17-9-17B	Monument Butte	NE SW	17	9S	17E	Duchesne	UT	PND	Green River	UTU-74108		2217' FSL, 2187' FWL	Vernal	Beluga
✓ Monument Federal #33-17-9-17B	Monument Butte	NW SE	17	9S	17E	Duchesne	UT	PND	Green River	U-72106		1926' FSL, 2000' FEL	Vernal	Beluga
✓ Monument State #13-16-9-17B	Monument Butte	NW SW	16	9S	17E	Duchesne	UT	PND	Green River	State ML-3453-B	43-013-31580	1980' FSL, 660' FWL		Beluga
✓ Monument State #22-16-9-17B	Monument Butte	SE NW	16	9S	17E	Duchesne	UT	PND	Green River	State ML-3453-B	43-013-31579	1824' FNL, 1981' FWL		Beluga
✓ Monument State #23-16-9-17B	Monument Butte	NE SW	16	9S	17E	Duchesne	UT	PND	Green River	State ML-3453-B	43-013-31578	1980' FSL, 1980' FWL		Beluga
✓ Paiute Federal #11-17	Monument Butte	NW NW	17	9S	17E	Duchesne	UT	Oil	Green River	U-3563-A	43-047-30516	661' FNL, 664' FWL	Vernal	Beluga
✓ <del>Paiute Federal #24-8</del>	Monument Butte	SE SW	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-30675	660' FSL, 1980' FWL	Vernal	Beluga
✓ Paiute Federal #34-8	Monument Butte	SW SE	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-30778	660' FSL, 1980' FEL	Vernal	Beluga
✓ Paiute Federal #43-8	Monument Butte	NE SE	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-30777	1958' FSL, 711' FEL	Vernal	Beluga
✓ POMCO #2	Monument Butte	NW SE	18	9S	17E	Duchesne	UT	OTA	Green River	U-3563	43-013-30505	1980' FSL, 1980' FEL	Vernal	Beluga
✓ POMCO #4	Monument Butte	SW SW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-103-30506	660' FSL, 660' FWL	Vernal	Beluga
✓ POMCO #5	Monument Butte	NW SW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-30499	1980' FSL, 660' FWL	Vernal	Beluga
✓ Sue Morris #16-3	Monument Butte	NE NW	16	9S	17E	Duchesne	UT	OSI	Green River	State ML-3453-B	43-013-30562	660' FNL, 1980' FWL		Beluga

N4940-Enserch Explor. Inc.  
(Open. Chg. in Progress)

N8395-Prod. Recovery Corp.  
(Open. Chg. in Progress)

FEB 21 '96 03:42PM BALCRON OIL DIV



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

## MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

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

UTAH ACCOUNT NUMBER:           N9890          

REPORT PERIOD (MONTH/YEAR):           3 / 96          

AMENDED REPORT  (Highlight Changes)

Well Name API Number      Entity      Location	Producing Zone	Well Status	Days Oper	Production Volumes		
				OIL(BBL)	GAS(MCF)	WATER(BBL)
✓ A ANDERSON STATE 1-16 4301315582 11880 09S 17E 16	GRRV					
✓ FEDERAL 1-18 4301330332 11880 09S 17E 18	DGCRK					
✓ POMCO #5 4301330499 11880 09S 17E 17	GRRV					
✓ POMCO #2 4301330505 11880 09S 17E 18	GR-WS					
✓ POMCO #4 4301330506 11880 09S 17E 17	GRRV					
✓ PAIUTE FED 11-17 01330516 11880 09S 17E 17	GRRV					
✓ SJE MORRIS 16-3 4301330562 11880 09S 17E 16	GRRV					
✓ D. DUNCAN ST 16-5 4301330570 11880 09S 17E 16	GRRV					
✓ MOCON FED 44-7 4301330666 11880 09S 17E 7	GRRV					
✓ PAIUTE FED 24-8 4301330675 11880 09S 17E 8	GRRV					
✓ FEDERAL D M D 17-1 4301330689 11880 09S 17E 17	GRRV					
✓ PAIUTE FEDERAL 43-8 4301330777 11880 09S 17E 8	GRRV					
✓ PAIUTE FEDERAL 34-8 4301330778 11880 09S 17E 8	GRRV					
<b>TOTALS</b>						

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

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

UTAH

Monument Federal #33-22-8-17	Monument Butte	NW SE	22	8S	17E	Duchesne	UT	PND	Green River	U-67845			2295' FSL, 1950' FEL	Vernal	
Monument Federal #41-18-9-16Y	Monument Butte	NE NE	18	9S	16E	Duchesne	UT	PND	Green River	U-74390				Vernal	
Monument Federal #41-35-9-18Y	Monument Butte	NE NE	35	9S	18E	Uintah	UT	PND	Green River	U-68618			500' FNL, 660' FEL	Vernal	
Monument Federal #42-6-9-16Y	Monument Butte	SE NE	6	9S	16E	Duchesne	UT	PND	Green River	U-74390				Vernal	
Monument Federal #42-20-9-16	Monument Butte	SE NE	20	9S	16E	Duchesne	UT	PND	Green River	U-52108				Vernal	
Monument Federal #43-6-9-16Y	Monument Butte	NE SE	6	9S	16E	Duchesne	UT	PND	Green River	U-74390				Vernal	
Monument Federal #43-19-9-18Y	8 Mile Flat	NE SE	19	9S	18E	Uintah	UT	PND	Green River	U-65635			2140' FSL, 500' FEL	Vernal	
Monument Federal #44-17-9-16	Monument Butte	SE SE	17	9S	16E	Duchesne	UT	PND	Green River	U-52108				Vernal	
Monument Federal #44-31-8-18Y	Monument Butte	SE SE	31	8S	18E	Uintah	UT	PND	Green River	U-65969			915' FSL, 759' FEL	Vernal	
Monument State #13-16-9-17B	Monument Butte	NW SW	16	9S	17E	Duchesne	UT	PND	Green River	State ML-3453-B	43-013-31580		1980' FSL, 660' FWL		Beluga
Monument State #22-16-9-17B	Monument Butte	SE NW	16	9S	17E	Duchesne	UT	PND	Green River	State ML-3453-B	43-013-31579		1824' FSL, 1981' FWL		Beluga
Monument State #23-16-9-17B	Monument Butte	NE SW	16	9S	17E	Duchesne	UT	PND	Green River	State ML-3453-B	43-013-31578		1980' FSL, 1980' FWL		Beluga
Monument State #31-2-9-17	Monument Butte	NW NE	2	9S	17E	Uintah	UT	PND	Green River	State ML-45555	43-013-31563		500' FNL, 1980' FEL		
Paiute Federal #11-17	Monument Butte	NW NW	17	9S	17E	Duchesne	UT	Oil	Green River	U-3563-A	43-047-30516		661' FNL, 664' FWL	Vernal	Beluga
Paiute Federal #24-8	Monument Butte	SE SW	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-30675		660' FSL, 1980' FWL	Vernal	Beluga
Paiute Federal #34-8	Monument Butte	SW SE	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-30778		660' FSL, 1980' FEL	Vernal	Beluga
Paiute Federal #43-8	Monument Butte	NE SE	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-30777		1958' FSL, 711' FEL	Vernal	Beluga
Pariette Bench #4 SWD	Pariette Bench	SW SE	7	9S	19E	Uintah	UT	SWD	Green River	U-017992	43-047-15681		660' FSL, 1980' FEL	Vernal	Pariette Bench
Pariette Bench Federal #14-5	Pariette Bench	SW SW	5	9S	19E	Uintah	UT	Oil	Green River	U-017992	43-047-31123		605' FSL, 479' FWL	Vernal	
Pariette Bench Federal #32-6	Pariette Bench	SW NE	6	9S	19E	Uintah	UT	OSI	Green River	U-50385	43-047-31554		2117' FNL, 2123' FEL	Vernal	
Pariette Bench Federal #41-7	Pariette Bench	NE NE	7	9S	19E	Uintah	UT	Oil	Green River	U-017992	43-047-31584		1008' FNL, 1282' FEL	Vernal	Pariette Bench
Pariette Bench Federal #43-6	Pariette Bench	NE SE	6	9S	19E	Uintah	UT	Oil	Green River	U-017992	43-047-31616		2044' FSL, 721' FEL	Vernal	
Pariette Bench Unit #2	Pariette Bench	SW NE	7	9S	19E	Uintah	UT	Oil	Green River	U-022684-A	43-047-15680		2030' FNL, 1830' FEL	Vernal	Pariette Bench
POMCO #2	Monument Butte	NW SE	18	9S	17E	Duchesne	UT	OTA	Green River	U-3563	43-013-30505		1980' FSL, 1980' FEL	Vernal	Beluga
POMCO #4	Monument Butte	SW SW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-103-30506		660' FSL, 660' FWL	Vernal	Beluga
POMCO #5	Monument Butte	NW SW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-30499		1980' FSL, 660' FWL	Vernal	Beluga
State #16-2	Monument Butte	NE NE	16	9S	17E	Duchesne	UT	OSI	Green River	State ML-3453-B	43-013-30552		871' FNL, 748' FEL		
Sue Morris #16-3	Monument Butte	NE NW	16	9S	17E	Duchesne	UT	OSI	Green River	State ML-3453-B	43-013-30562		660' FNL, 1980' FWL		Beluga
TXO Federal #1	Coyote Basin	SW NE	5	8S	25E	Uintah	UT	Oil	Green River	U-41376	43-047-31406		1918' FNL, 1976' FEL	Vernal	Coyote Basin
TXO Federal #2	Coyote Basin	SW SE	5	8S	25E	Uintah	UT	OTA	Green River	U-41376	43-047-31567		2085' FNL, 819' FEL	Vernal	Coyote Basin
Walton Federal #1	Monument Butte	SE SE	11	9S	16E	Duchesne	UT	Oil	Green River	U-096550	43-013-15792		706' FSL, 704' FEL	Vernal	Jonah
Walton Federal #2-14	Monument Butte	NW NE	14	9S	16E	Duchesne	UT	Oil	Green River	U-096550	43-013-15793		542' FNL, 1869' FEL	Vernal	Jonah
Walton Federal #34-11	Monument Butte	SW SE	11	9S	16E	Duchesne	UT	WIW	Green River	U-096550	43-013-31003		537' FSL, 2092' FEL	Vernal	Jonah
Walton Federal #4-11	Monument Butte	SE NW	11	9S	16E	Duchesne	UT	Oil	Green River	U-096550	43-013-15795		1980' FNL, 1975' FWL	Vernal	Jonah



**EQUITABLE RESOURCES**  
**ENERGY COMPANY**

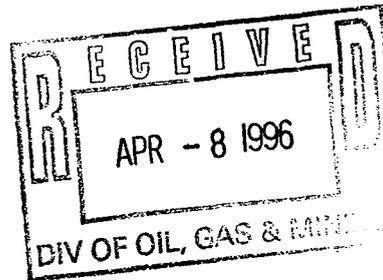
**BALCRON OIL DIVISION**

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

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

8. Well Name and Number:  
See attached listing

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

9. API Well Number:  
See attached listing

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

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

4. Location of Well  
Footages: See attached listing

County: See attached list

CQ, 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.

APR - 8 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	LEC 7-SJ	✓
2	DP 58-FILE	✓
3	VLD (GIL)	✓
4	RJE	✓
5	IEC	✓
6	FILM	✓

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

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

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

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

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

Name: <b>**SEE ATTACHED**</b>	API: <u>013-30778</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**

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

ENTITY REVIEW

- 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) Safeco 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.
- 4/26/96
- DTS 2. Copies of documents have been sent to State Lands for changes involving State leases.  
sent to Ed Boucher - Trust Lands

FILMING

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

FILING

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

COMMENTS

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
 Equitable Resources Energy Company

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 SW SE Section 8, T9S, R17E  
 660' FSL, 1980' FEL

5. Lease Designation and Serial No.  
 UTU-74108

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

7. If Unit or CA, Agreement Designation  
 Beluga Unit

8. Well Name and No.  
 Paiute Federal #34-8

9. API Well No.  
 43-01330778

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

11. County or Parish, State  
 Duchesne County, Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent <input checked="" type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input checked="" type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input type="checkbox"/> Other _____
	<input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Dispose Water <small>(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</small>

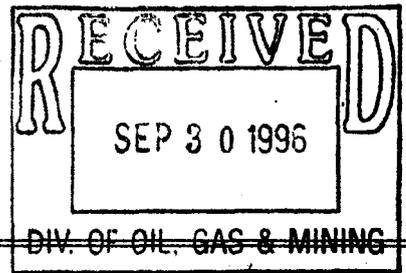
13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled give subsurface locations and measured and true vertical depths for all markers and zones pertinent to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

Additional perforations were added to the Green River Formation as follows:  
 4620' - 4624' (4 SPF)  
 5431' - 5437' (4 SPF)  
 5441' - 5446' (4 SPF)

The perforations were broken down as follows:  
 4620' - 4624' with 2226 gallons 2% KCL water.  
 5431' - 5446' with 3234 gallons 2% KCL water.

The perforations were fractured as follows:  
 4620' - 4624' with 6636 gallons 2% KCL gelled water with 13,540# 16/30 mesh sand.  
 5431' - 5446' with 10,920 gallons 2% KCL gelled water with 14,260# 20/40 mesh sand & 22,160# 16/30 mesh sand.

The well was put back on production on 2-28-96 at 7:45 p.m.



14. I hereby certify that the foregoing is true and correct  
 Signed Molly Conrad Title Operations Secretary Date 9-24-96

(This space for Federal or State office use)

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

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

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.

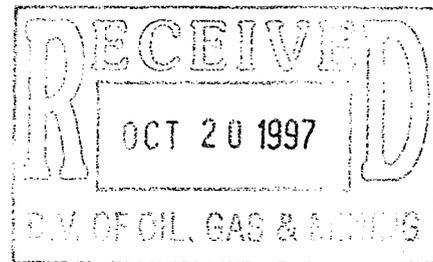
If you should have questions regarding this matter, please do not hesitate to contact me at the number listed below.

Sincerely,

INLAND PRODUCTION COMPANY

*Patsy Barreau*  
Patsy Barreau

/pb  
encls.



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial Number:

See Attached

6. If Indian, Allottee or Tribe Name:

n/a

7. Unit Agreement Name:

See Attached

8. Well Name and Number:

See Attached

9. API Well Number:

See Attached

10. Field and Pool, or Wildcat:

See Attached

1. Type of Well: OIL  GAS  OTHER:

2. Name of Operator:

Inland Production Company

3. Address and Telephone Number:

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

4. Location of Well

Footages: See Attached Exhibit

OO, Sec., T., R., M.:

County:

State:

RECEIVED  
OCT 13 1997

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

**NOTICE OF INTENT**  
(Submit in Duplicate)

- |   |   |
|---|---|
| <input type="checkbox"/> Abandon                                    | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing                              | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans                            | <input type="checkbox"/> Recomplete           |
| <input type="checkbox"/> Convert to Injection                       | <input type="checkbox"/> Reperforate          |
| <input type="checkbox"/> Fracture Treat or Acidize                  | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion                        | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other <u>Change of Operator</u> |   |

**SUBSEQUENT REPORT**  
(Submit Original Form Only)

- |   |   |
|---|---|
| <input type="checkbox"/> Abandon                                    | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing                              | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans                            | <input type="checkbox"/> Reperforate          |
| <input type="checkbox"/> Convert to Injection                       | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat or Acidize                  | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other <u>Change of Operator</u> |   |

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.

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

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)

INLAND

Inland Resources Change of Operator							
WELL NAME	LOCATION	COUNTY	ST	FIELD NAME	API NUMBER	LEASE NO.	AGEEMENT
✓ BALCRON FEDERAL #22-20Y	SE NW 209S 18E	UINTAH	UT	MONUMENT BUTTE (8)	43-047-32711-00	UTU64917	
✓ BALCRON FEDERAL #41-19Y	NENE 199S 18E	UINTAH	UT	MONUMENT BUTTE (8)	43-047-32504-00	UTU65635	
✓ MONUMENT FEDERAL #43-19Y	NE SE 199S 18E	UINTAH	UT	MONUMENT BUTTE (8)	43-047-32730-00	UTU65635	
✓ MONUMENT FEDERAL #14-21Y	SW SW 219S 18E	UINTAH	UT	MONUMENT BUTTE (8)	43-047-32726-00	UTU68105	
✓ A. ANDERSON STATE #1-16	SW SW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-15582-00		UTU75023X
✓ D. DUNCAN STATE #16-5	SWNW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30570-00		UTU75023X
✓ DMD FEDERAL #17-1	NE SE 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30689-00		UTU75023X
✓ FEDERAL #1-18	NWNE 189S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30332-00		UTU75023X
✓ MAXUS FEDERAL #23-8	NESW 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31196-00		UTU75023X
✓ MONUMENT BUTTE FED. #12-17	SWNW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31431-00		UTU75023X
✓ MONUMENT BUTTE FED. #14-8	SWSW 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31398-00		UTU75023X
✓ MONUMENT BUTTE FED. #21-17	NENW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31387-00		UTU75023X
✓ MONUMENT BUTTE FED. #32-17	SWNE 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31465-00		UTU75023X
✓ MONUMENT BUTTE FED. #41-17	NENE 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31466-00		UTU75023X
✓ MONUMENT BUTTE FED. #43-7	NESE 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31432-00		UTU75023X
✓ MONUMENT FEDERAL #23-17B	NE SW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31582-00	UTU74108	UTU75023X
✓ MONUMENT STATE #23-16B	NE SW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31578-00		UTU75023X
✓ PAIUTE FEDERAL #34-8	SWSE 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30778-00		UTU75023X
✓ PAIUTE FEDERAL #43-8	NESE 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30777-00		UTU75023X
✓ POMCO #2	NWSE 189S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30505-00		UTU75023X
✓ POMCO #4	NWSW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30506-00		UTU75023X
✓ SUE MORRIS #16-3	NENW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30562-00		UTU75023X
✓ MOCON FEDERAL #44-7	SE SE 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30666-00		UTU75023X
✓ MONUMENT FEDERAL #13-8	NW SW 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31382-00		UTU75023X
✓ MONUMENT FEDERAL #33-8	NW SE 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31427-00		UTU75023X
✓ MONUMENT FEDERAL #22-17	SE NW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31429-00		UTU75023X
✓ MONUMENT STATE #13-16B	NW SW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31580-00		UTU75023X
✓ MONUMENT STATE #11-16B	NW NW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30616-00	ML21844 Beluga	UTU75023X
✓ MONUMENT STATE #22-16B	SE NW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31579-00	31145	UTU75023X
✓ MONUMENT FEDERAL #31-17	NW NE 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31428-00		UTU75023X
✓ MONUMENT FEDERAL #33-17B	NW SE 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31581-00		UTU75023X
✓ MONUMENT FEDERAL #42-17	SE NE 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31467-00	UTU74108	UTU75023X
✓ MONUMENT FEDERAL #44-8-9-17B	SE SE 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30643-00	UTU74398	UTU75023X
✓ PAIUTE FEDERAL #24-8	SE SW 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30675-00	UTU74108	UTU75023X
✓ PAIUTE FEDERAL #11-17	NW NW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30516-00		UTU75023X
✓ POMCO #5	SW SW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30499-00		UTU75023X
✓ BALCRON FEDERAL #12-10Y	SW NW 109S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31536-00	UTU65210	
✓ BALCRON FEDERAL #21-10Y	NE NW 109S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31537-00	UTU65210	
✓ BALCRON FEDERAL #22-10Y	SE NW 109S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31395-00	UTU65210	



**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.*

# MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

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

UTAH ACCOUNT NUMBER: N9890

REPORT PERIOD (MONTH/YEAR): 1 / 98

AMENDED REPORT  (Highlight Changes)

Well Name API Number      Entity      Location	Producing Zone	Well Status	Days Oper	Production Volumes		
				OIL(BBL)	GAS(MCF)	WATER(BBL)
SUE MORRIS 16-3 4301330562 11880 09S 17E 16	GRRV			mL3453B	Beluga (GR) unit	
D. DUNCAN ST 16-5 4301330570 11880 09S 17E 16	GRRV			"		
FEDERAL D M D 17-1 4301330689 11880 09S 17E 17	GRRV			u44430		
PAIUTE FEDERAL 43-8 4301330777 11880 09S 17E 8	GRRV			u7978		
PAIUTE FEDERAL 34-8 4301330778 11880 09S 17E 8	GRRV			"		
MAXUS FEDERAL 23-8 4301331196 11880 09S 17E 8	GRRV			u007978		
MONUMENT FEDERAL 21-17 4301331387 11880 09S 17E 17	GRRV			u3563A		
FEDERAL 14-8 4301331398 11880 09S 17E 8	GRRV			u007978		
BALCRON MONUMENT FEDERAL 12-17 4301331431 11880 09S 17E 17	GRRV			uTK72106		
MONUMENT FEDERAL 43-7 4301331432 11880 09S 17E 7	GRRV			"		
MONUMENT FEDERAL 32-17 4301331465 11880 09S 17E 17	GRRV			"		
MONUMENT FEDERAL 41-17 4301331466 11880 09S 17E 17	GRRV			"		
MONUMENT STATE 23-16-9-17B 4301331578 11880 09S 17E 16	GRRV			mL3453B	↓	
<b>TOTALS</b>						

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

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

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

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

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



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155

IN REPLY REFER TO  
UT-931

March 2, 1998

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

Re: Beluga (Green River) Unit  
Duchesne County, Utah

Gentlemen:

On February 26, 1998, we received an indenture dated November 17, 1997, whereby Equitable Resources Energy Company resigned as Unit Operator and Inland Production Company was designated as Successor Unit Operator for the Beluga (Green River) Unit, Duchesne County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective March 2, 1998. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Beluga (Green River) Unit Agreement.

Your statewide (Utah) oil and gas bond No. 0056 will be used to cover all operations within the Beluga (Green River) Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks  
Chief, Branch of Fluid Minerals

Enclosure

bcc: District Manager - Vernal (w/enclosure)  
Division of Oil, Gas & Mining  
Minerals Adjudication Group U-932  
File - Beluga (Green River) Unit (w/enclosure)  
MMS - Data Management Division  
Agr. Sec. Chron/Fluid Chron

UT931:TAThompson:tt:3/2/98

Well Status Report  
Utah State Office  
Bureau of Land Management

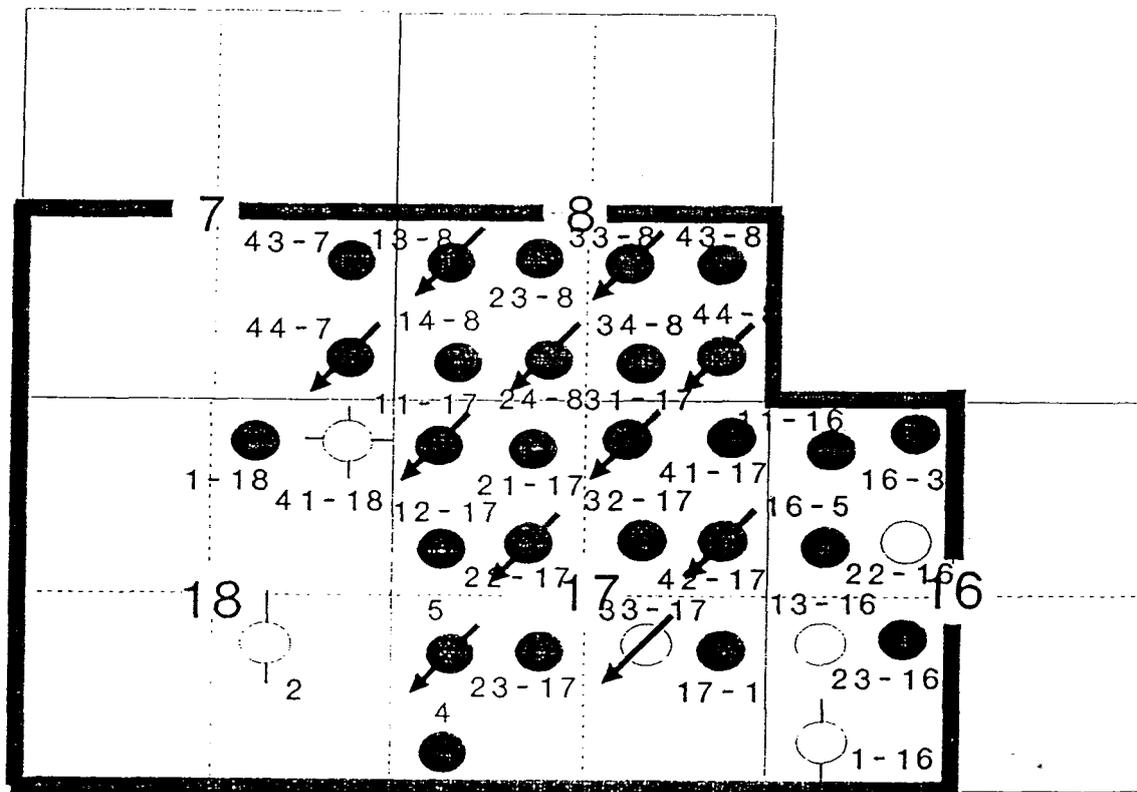
Lease	Api Number	Well Name	QTR	Section	Township	Range	Well Status	Operator
** Inspection Item: UTU75023X								
STATE	4301315582	1-16 SHELL-STATE	SWSW	16	T	9S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU3563	4301330332	1-18 FEDERAL	NWNE	18	T	9S	R17E TA	EQUITABLE RESOURCES ENERGY CO
STATE	4301330616	11-16 STATE-NGC	NWNW	16	T	9S	R17E ABD (WIW)	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301330516	11-17 PIUTE-FEDERAL	NWNW	17	T	9S	R17E WIW	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331431	12-17	SWNW	17	T	9S	R17E POW	EQUITABLE RESOURCES ENERGY CO
STATE	4301331580	13-16-9-17B	NWSW	16	T	9S	R17E WIW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301331382	13-8 MONUMENT FED	NWSW	8	T	9S	R17E WIW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301331398	14-8 MONUMENT FED	SWSW	8	T	9S	R17E POW	EQUITABLE RESOURCES ENERGY CO
STATE	4301330562	16-3 MORRIS SUE	NENW	16	T	9S	R17E POW	EQUITABLE RESOURCES ENERGY CO
STATE	4301330570	16-5 DUNCAN-STATE	SWNW	16	T	9S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU44430	4301330689	17-1 FEDERAL-DMD	NESE	17	T	9S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU3563	4301330505	2 POMCO	NWSE	18	T	9S	R17E TA	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331387	21-17 MONUMENT FED	NENW	17	T	9S	R17E POW	EQUITABLE RESOURCES ENERGY CO
STATE	4301331145	22-16-9-17B	SENW	16	T	9S	R17E WIW	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331429	22-17 MONUMENT FED	SENW	17	T	9S	R17E WIW	EQUITABLE RESOURCES ENERGY CO
STATE	4301331578	23-16-9-17B	NESW	16	T	9S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301331582	23-179-17B	NESW	17	T	9S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301331196	23-8 MAXUS-FEDERAL	NESW	8	T	9S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301330675	24-8 PIUTE-FEDERAL	SESW	8	T	9S	R17E WIW	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331428	31-17 MONUMENT BUTTE	NWNE	17	T	9S	R17E WIW	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331465	32-17	SWNE	17	T	9S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331581	33-17-9-17B	NWSE	17	T	9S	R17E WIW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301331427	33-8 MONUMENT FED	NWSE	8	T	9S	R17E WIW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301330778	34-8 PAIUTE	SWSE	8	T	9S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301330506	4 POMCO	SWSW	17	T	9S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331466	41-17	NENE	17	T	9S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331399	41-18 BALCROW FED	NENE	18	T	9S	R17E ABD (PA)	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331467	42-17	SENE	17	T	9S	R17E WIW	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331432	43-7 MONUMENT BUTTE	NESE	7	T	9S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301330777	43-8 PAIUTE	NESE	8	T	9S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301330666	44-7 MOCOW-FEDERAL	SESE	7	T	9S	R17E WIW	EQUITABLE RESOURCES ENERGY CO
UTU74398	4301330643	44-8-9-17	SESE	8	T	9S	R17E WIW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301330499	5 POMCO	NWSW	17	T	9S	R17E WIW	EQUITABLE RESOURCES ENERGY CO

11250

# BELUGA (GREEN RIVER) UNIT

## DUCHESNE COUNTY, UTAH

EFFECTIVE: FEBRUARY 1, 1996



17E

— UNIT OUTLINE (UTU75023X)  
2,223.13 ACRES

SECONDARY ALLOCATION	
FEDERAL	89.74%
STATE	10.26%

**OPERATOR CHANGE WORKSHEET**

Routing	
1-LEC ✓	6-JEB ✓
2-GLH ✓	7-KAS ✓
3-FBS ✓	8-SI ✓
4-VLD ✓	9-FILE ✓
5-JRB ✓	

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

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

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

<b>TO:</b> (new operator)	<u>INLAND PRODUCTION CO.</u>	<b>FROM:</b> (old operator)	<u>EQUITABLE RESOURCES ENERGY</u>
(address)	<u>PO BOX 1446</u>	(address)	<u>C/O CRAZY MTN O&amp;G SVS'S</u>
	<u>ROOSEVELT UT 84066</u>		<u>PO BOX 577</u>
			<u>LAUREL MT 59044</u>
Phone:	<u>(435) 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: **\*BELUGA (GREEN RIVER) UNIT**

Name: <b>**SEE ATTACHED**</b>	API: <u>43-013-30778</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

**OPERATOR CHANGE DOCUMENTATION**

- 1 (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). (Rec'd 3-10-97)
- 1 (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: \_\_\_\_\_
- 1 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.
- 1 5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. (3-11-98) \* Quattro Pro s. DBASE (LIC) 3-11-98.
- 1 6. **Cardex** file has been updated for each well listed above. (3-11-98)
- 1 7. Well **file labels** have been updated for each well listed above. (3-11-98)
- 1 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. (3-11-98)
- 1 9. A folder has been set up for the **Operator Change** file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

**ENTITY REVIEW**

- Sec 1. (r649-8-7) **Entity assignments have been reviewed** for all wells listed above. Were entity changes made? (yes/no) \_\_\_\_ If entity assignments were changed, attach copies of Form 6, Entity Action Form.
- N/A/Sec 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 "Hartford Acc. & Indemnity Co."*

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

- Sec 1. Copies of documents have been sent on 3-11-98 to Ed Bonner at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- N/A/Sec 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**

- KS 1. All attachments to this form have been **microfilmed**. Today's date: 4.14.98.

**FILING**

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

**COMMENTS**

980311 Blm/SL Apr. 3-2-98.

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# United States Department of the Interior



## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, UT 84145-0155

<http://www.blm.gov>

IN REPLY REFER TO:

3106

(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

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

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

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

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



## Office of the Secretary of State

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

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

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



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

Secretary of State

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

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

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

ARTICLE 1 - Name

The name of the corporation is Inland Production Company.

ARTICLE 2 - Amended Name

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

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

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

ARTICLE 3 - Effective Date of Filing

This document will become effective upon filing.

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

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

INLAND RESOURCES INC.

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

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change**

**Merger**

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

**9/1/2004**

<b>FROM:</b> (Old Operator): N5160-Inland Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721	<b>TO:</b> ( New Operator): N2695-Newfield Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721
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**CA No.**

**Unit:**

**BELUGA (GREEN RIVER)**

**WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
MOCON FED 44-7	07	090S	170E	4301330666	11880	Federal	WI	A
MON FED 44-8-9-17B	08	090S	170E	4301330643	11880	Federal	WI	A
PAIUTE FED 24-8	08	090S	170E	4301330675	11880	Federal	WI	A
PAIUTE FEDERAL 43-8	08	090S	170E	4301330777	11880	Federal	OW	P
PAIUTE FEDERAL 34-8	08	090S	170E	4301330778	11880	Federal	OW	P
MAXUS FEDERAL 23-8	08	090S	170E	4301331196	11880	Federal	OW	P
MON FED 13-8	08	090S	170E	4301331382	11880	Federal	WI	A
FEDERAL 14-8	08	090S	170E	4301331398	11880	Federal	OW	P
A ANDERSON ST 1-16	16	090S	170E	4301315582	11880	State	OW	P
SUE MORRIS 16-3	16	090S	170E	4301330562	11880	State	OW	P
D DUNCAN ST 16-5	16	090S	170E	4301330570	11880	State	OW	P
MON ST 11-16-9-17B	16	090S	170E	4301330616	11880	State	WI	A
MON ST 22-16-9-17B	16	090S	170E	4301331145	11880	State	WI	A
POMCO 5	17	090S	170E	4301330499	11880	Federal	WI	A
POMCO 4	17	090S	170E	4301330506	11880	Federal	OW	P
PAIUTE FED 11-17	17	090S	170E	4301330516	11880	Federal	WI	A
FEDERAL D M D 17-1	17	090S	170E	4301330689	11880	Federal	OW	S
MONUMENT FED 21-17	17	090S	170E	4301331387	11880	Federal	OW	P
FEDERAL 1-18	18	090S	170E	4301330332	11880	Federal	OW	TA
POMCO 2	18	090S	170E	4301330505	11880	Federal	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. (R649-9-2)Waste Management Plan has been received on: IN PLACE  
6b. Inspections of LA PA state/fee well sites complete on: waived

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

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

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

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

**DATA ENTRY:**

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

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

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

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

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

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

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

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

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS:**

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8

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

RECEIVED

NOV 11 2009

Ref: 8P-W-GW

OCT 21 2009

DIV. OF OIL, GAS & MINING

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

Mr. Eric Sundberg  
Regulatory Analyst  
Newfield Production Company  
1001 Seventeenth Street – Suite 2000  
Denver, CO 80202

RE: Additional Well: Beluga Area Permit  
UIC Permit No. UT20798-00000  
Well ID: UT20798-08419  
Paiute Federal 34-8-9-17  
660' FSL & 1980' FEL  
SW SE Sec. 8 T9S-R17E  
Duchesne County, Utah  
API #43-013-30778

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

Dear Mr. Sundberg:

The Newfield Production Company's request to convert the former Green River Formation oil well Paiute Federal No. 34-8-9-17 to an enhanced recovery injection well under the Beluga 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 Beluga Area Permit No. UT20798-00000 and subsequent modifications.

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 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 3,553 feet and the top of Wasatch Formation, estimated at 5,916 feet.

Prior to receiving authorization to inject into Paiute Federal No. 34-8-9-17, EPA requires Newfield submit for review and approval the results of a Part 1 (Internal) mechanical integrity test (MIT), a pore pressure calculation of the injection interval and an EPA Form No. 7520-12 (Well Rework Record) with a new schematic diagram.

The initial Maximum Allowable Injection Pressure (MAIP) for Paiute Federal No. 34-8-9-17 was determined to be 1,250 psig. UIC Area Permit UT20798-00000 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 Emmett Schmitz at (303) 312-6174 or 1-(800)-227-8917 (Ext. 312-6174). Please submit the required data to Attention: Emmett Schmitz at the letterhead address, citing MAIL CODE: 8P-W-GW very prominently.

Sincerely,



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

Encl: Authorization for Conversion of An Additional Well  
EPA Form No. 7520-12 (Well Rework Record)  
Proposed Conversion Schematic: Paiute Federal No. 34-8-9-17  
P&A Schematic: Paiute Federal No. 34-8-9-17  
EPA Form No. 7520-13 (Plugging Record)

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

Daniel Picard, Superintendent  
Uintah & Ouray Indian Agency  
Bureau of Indian Affairs

All Enclosures:

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

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>**

**AUTHORIZATION FOR ADDITIONAL WELL**

**UIC Area Permit No: 20798-00000**

The Beluga Unit Final UIC Area Permit No. UT20798-00000, effective October 25, 1996 authorizes Class II authorized fluid injection for the purpose of enhanced oil recovery in the Monument Butte Field. On May 26, 2009, Newfield Production Company notified the Director concerning the following additional enhanced recovery injection well:

Paiute Federal No. 34-8-9-17

EPA Well ID Number: UT20798-08419

SW SE (660' FSL & 1980' FEL) Section 8 – T9S – R17E

Duchesne County, Utah

API No. 43-013-30778

Pursuant to 40 CFR §144.33, Area UIC Permit No. UT20798-00000 authorizes the Permittee to construct and/or 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. UT20798-00000, as modified and as specified in the Injection 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: OCT 21 2009

**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.

## INJECTION WELL-SPECIFIC REQUIREMENTS

Well Name: Paiute Federal No. 34-8-9-17  
EPA Well ID Number: UT20798-08419

### Prior to Commencing Injection Operations, the Permittee shall submit the following information for Paiute Federal No. 34-8-9-17:

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

Once records No. 1 through No. 3 are received and approved by EPA, the Director will provide written authorization to inject.

**Approved Injection Zone:** Injection is approved between the top of the Garden Gulch Member of the Green River Formation (3,553 feet) to the top of the Wasatch Formation, at a depth of 5,916 feet (KB).

**Maximum Allowable Injection Pressure (MAIP):** The initial MAIP is 1,250 psig, based on the following calculation:

$$\begin{aligned} \text{MAIP} &= [\text{FG} - (0.433)(\text{SG})] * \text{D}, \text{ where} \\ \text{FG} &= 0.75 \text{ psi/ft.} \quad \text{SG} = 1.015 \quad \text{D} = 4,026 \text{ feet (top perforation depth KB)} \\ \text{MAIP} &= 1,250 \text{ psig} \end{aligned}$$

UIC Area Permit No. UT20798-00000 provides the opportunity for the Permittee to request a change of the MAIP based upon the submitted results of a Step-Rate Test that demonstrates the formation breakdown pressure will not be exceeded.

**Well Construction: Casing and Cementing:** The well was constructed in compliance with existing regulatory controls for casing and cementing pursuant to 40 CFR § 146.22(c). Cement records, including Cement Bond Log, have satisfactorily demonstrated the presence of adequate Confining Zone annulus cement to prevent migration of injection fluids behind the casing from the injection zone.

**Well Construction: Tubing and Packer:** 2-7/8 inch or similar size injection tubing is approved; the packer shall be set at a depth no more than 100 feet above the top perforation.

**Demonstration of Mechanical Integrity:** A successful demonstration of Part I (Internal) Mechanical Integrity using a Casing-Tubing Annulus Pressure Test is required prior to injection, and no less than once every five years after the last successful test.

EPA reviewed the cementing records and determined the cement will provide an effective barrier to significant upward movement of fluids through vertical channels adjacent to the wellbore pursuant to 40 CFR §146.8 (a)(2).

**Demonstration of Financial Responsibility:** The Applicant has demonstrated financial responsibility by a Financial Statement in the amount of \$59,344 that has been approved by the EPA. The Director may revise the amount required, and may require the Permittee to obtain and provide updated estimates of costs for plugging the well according to the approved Plugging and Abandonment plan.

**Plugging and Abandonment:** 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. Class A, C, G, and H 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-foot 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 feet above the top perforation with a minimum of 20 feet of cement plug on top of the CIBP.

PLUG NO. 2: Perforate and squeeze cement up the backside of the 5-1/2 inch casing across the Trona Zone and the Mahogany Bench from approximately 2,725 feet – 2,870 feet (KB) unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 145-foot balanced cement plug inside the 5-1/2 inch casing from approximately 2,725 feet – 2,870 feet (KB).

PLUG NO. 3: Perforate and squeeze cement up the backside of the 5-1/2 inch casing across the contact between the Uinta Formation and Green River Formation 1,255 feet – 1,375 feet (KB) unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 120-foot cement plug inside the 5-1/2 inch casing from approximately 1,255 feet – 1,375 feet (KB).

PLUG NO. 4: Set a Class "G" cement plug within the 5-1/2 inch casing to 296 feet and up the 5-1/2 inch X 8-5/8 inch casing annulus to the surface.

## INJECTION WELL-SPECIFIC CONSIDERATIONS

Well Name: Paiute Federal No. 34-8-9-17  
EPA Well ID Number: UT20798-08419

**Underground Sources of Drinking Water (USDWs):** USDWs in the Beluga 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 approximately 50 feet below ground surface in Paiute Federal No. 34-8-9-17.

**http:NRWRT1.NR.STATE.UT.US:** 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 produced Garden Gulch and Douglas Creek Members water: 15,499 mg/l.

The blended **injectate** (8,822 mg/l) is produced Green River Formation water, water from the Johnson Water District pipeline and/or water from the Green River pipeline, and produced water from Green River Formation wells proximate to the Paiute Federal No. 34-8-9-17.

**Aquifer Exemption:** is not required because the TDS of water produced from the proposed injection well is greater than 10,000 mg/l.

**Confining Zone:** The Confining Zone, which directly overlies the Garden Gulch Member of the Green River Formation, is 119 feet of shale and impervious carbonate between the depths of 3,434 feet and 3,553 feet (KB).

**Injection Zone:** The Injection Zone at this well location is approximately 2,363 feet of multiple lenticular sand units interbedded with shale, marlstone and limestone from the top of the Garden Gulch Member at 3,553 feet (KB) to the top of the Wasatch Formation at 5,916 feet (KB). All formation tops are based on correlations to the Newfield Production Federal No. 1-26-8-17 (UT20702-04671) Type Log.

**Well Construction:** The CBL does show 80% or greater cement bond index in the Confining Zone (3,434 feet – 3,553 feet KB). Thus, further demonstration that well cement is adequate to prevent significant migration of injection fluids behind casing is not required.

**Surface Casing:** 8-5/8 inch casing is set at 246 feet (KB) in a 12-1/4 inch hole, using 210 sacks Class "G" cement, cemented to the surface.

**Longstring Casing:** 5-1/2 inch casing is set at 6,008 feet (KB) in a 7-7/8 inch hole secured with 920 sacks of cement. Total driller depth 6,011 feet. Plugged back total depth (PBSD) is 5,957 feet. EPA calculates top of cement at 67 feet. Estimated CBL top of cement is 520 feet.

Perforations: Top perforation: 4,026 feet (KB). Bottom perforation: 5,446 feet (KB)

**Area-of-Review Wells:**

There are five (5) Green River Formation producing oil wells and four (4) Green River Class II enhanced recovery injection wells in the one-quarter (1/4) mile Area-of-Review (AOR). No well needs Corrective Action.

**Reporting of Noncompliance:**

- (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:** 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:** 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 1-(202)-267-2675**, or through the NRC website at <http://www.nrc.uscg.mil/index.htm>.

**Other Noncompliance:** The Operator shall report all other instances of noncompliance not otherwise reported at the time monitoring reports are submitted.

**Other Information:** 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.



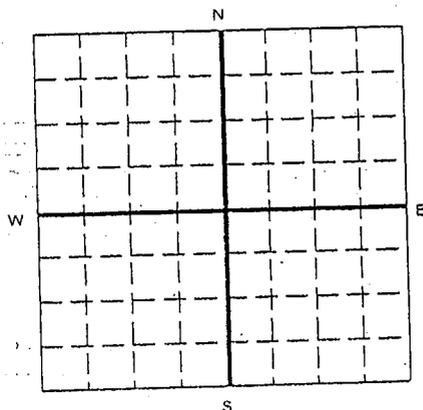
United States Environmental Protection Agency  
Washington, DC 20460

### WELL REWORK RECORD

Name and Address of Permittee

Name and Address of Contractor

Locate Well and Outline Unit on  
Section Plat - 640 Acres



State	County	Permit Number
Surface Location Description ____ 1/4 of ____ 1/4 of ____ 1/4 of ____ 1/4 of Section ____ Township ____ Range ____		
Locate well in two directions from nearest lines of quarter section and drilling unit		
Surface Location ____ ft. from (N/S) ____ Line of quarter section and ____ ft. from (E/W) ____ Line of quarter section.		
<b>WELL ACTIVITY</b> <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage  Lease Name	Total Depth Before Rework  Total Depth After Rework  Date Rework Commenced  Date Rework Completed	<b>TYPE OF PERMIT</b> <input type="checkbox"/> Individual <input type="checkbox"/> Area Number of Wells ____  Well Number

#### WELL CASING RECORD -- BEFORE REWORK

Casing		Cement		Perforations		Acid or Fracture Treatment Record
Size	Depth	Sacks	Type	From	To	

#### WELL CASING RECORD -- AFTER REWORK (Indicate Additions and Changes Only)

Casing		Cement		Perforations		Acid or Fracture Treatment Record
Size	Depth	Sacks	Type	From	To	

DESCRIBE REWORK OPERATIONS IN DETAIL  
USE ADDITIONAL SHEETS IF NECESSARY

#### WIRE LINE LOGS, LIST EACH TYPE

Log Types	Logged Intervals

#### Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title (Please type or print)

Signature

Date Signed

UT 20798-08419  
**Paiute Federal #34-8-9-17**

Spud Date: 8/26/83  
 Completion Date: 11/28/83  
 GL: 5302' KB: 5313' KB (11' KB)

Proposed Injection  
 Wellbore Diagram

Initial Production: 81 BO,  
 69 MCFPD, 5 BW

**SURFACE CASING**

STRING: 1  
 CSG SIZE: 8-5/8"  
 GRADE: K-55  
 WEIGHT: 24# *Base USOWs*  
 LENGTH: 247.8' (6 jts) *50'*  
 DEPTH LANDED: 245.7' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 210 sxs Class "G" w/ 3% CaCl + 1/4 #/sk Flocele

**PRODUCTION CASING**

STRING: 1  
 CSG SIZE: 5-1/2" *Green River*  
 GRADE: K-55 *1316'*  
 WEIGHT: 15.5#  
 LENGTH: 6030.84' (150 jts)  
 DEPTH LANDED: 6008.69' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 650 sxs Thixotropic w/ 10% Calseal + 14 #/sk Flocele + 5# Gilsomite, Tailed w/ 270 sxs Howco Hi-Fill w/ 3% salt

CEMENT TOP AT: 520' KB per CBL

**TUBING**

SIZE/GRADE/WT.: 2-3/8" / J-55 / 4.7#  
 NO. OF JOINTS: 122 jts (3900.84)  
 TUBING ANCHOR: 2-3/8" x 5-1/2" (2.82") 12" tension  
 NO. OF JOINTS: 36 Jts (1140.02)  
 SEATING NIPPLE: 2-3/8" x 1.10'  
 PERFORATED SUB: 2-3/8" x 4.10'  
 MUD ANCHOR: 2-3/8" x 32.50' w/ NC  
 TOTAL STRING LENGTH: 5081.79 ft  
 SN LANDED AT: 5059.68' KB

**FRAC JOB**

9/21/83 4989' - 5004' 5000 gal Apollo 40 pad, 15,500 gal Apollo 40 w/ 27,500# 20/40. Flushed w/ 4987 gal 2% KCl wtr. ATP-2000#, Max-2200, ATR-10 bpm, Max-12. ISIP-1900#, 15min-1800, 20min-1800

10/6/93 4737' - 4747' 4500 gal Apollo40 pad, 10,000 gal Apollo40 w/ 11,500# 20/40. ATP-2000#, Max-3500, ATR-10 bpm, Max-10. ISIP-3000#, 15min-1300#, 20min-1250. Screened Out w/ 8000# sand in csg & 11,500# in formation, 560 ft sand in csg.

10/27/83 4077' - 4096' & 4026' - 4066' 20,000 Apollo50 pad. 50,640 gal Apollo50 w/ 60,000# 20/40 + 46,840# 10/20. ATP-1400#, Max-3000, ATR-32 bpm, Max-38. ISIP-1800#, 15min-300, 20min-220 psi. SCREENED OUT w/ 26,160# 10/20 left to go into perfs.

2/21/96 5431' - 5437' & 5441' - 5446' 3000 gal 2% KCl pad followed by 7,048 gal 2% KCl gel w/ 14,260 20/40 + 22,160 16/30 sand. Flushed w/ 1534 gal 2% KCl water. ATP-3700 psi, Max-3900 psi, ATR-18 bpm, Max-18.5 bpm, ISIP - 1700 psi, 5min-1420 psi, 10min-1310 psi 15min-1230 psi, 30min-1120 psi

2/27/96 4620' - 4624 2000 gal 2% KCl pad followed by 2800 gal 2% KCl gel w/ 13,540# 16/30 sand. Flush w/ 1302 gal 2% KCl wtr. ATP-4100 psi, Max-4210 psi, ATR-17.5 bpm, Max-18.5 bpm, ISIP-2100 psi, 5min-1800 psi, 10min-1720 psi 15min-1680 psi, 30min-1590 psi.

*80% Bond 2670' - CBL TD, 9% Log*

**ACID JOB / BREAKDOWN JOB**

9/21/83 4989' - 5004' Broke w/ 1400 psi, 2 bpm to 1200 psi, 10 bpm

10/6/83 4737' - 4747' Broke w/ 1500 psi, 2 bpm to 1200 psi, 4 bpm

10/27/83 4077' - 4090' & 4026' - 4066' 672 gal 2% KCl wtr w/ 180 ball sealers, 924 gal 2% KCl to flush balls. Good ball action seen.

2/21/96 5431' - 5437' & 5441' - 5446' 3234 gal 2% KCl wtr w/ 88 ball sealers. No Ball Off. ATP-1910 psi, Max-4950 psi, ATR-5.6 bpm, ISIP - 1350 psi

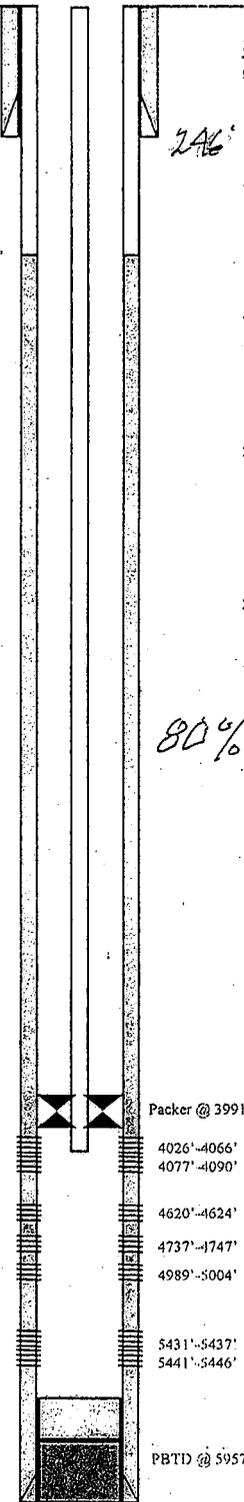
2/27/96 4620' - 4624 2226 gal 2% KCl wtr w/ 32 ball sealers. Balled Out. ATP-2300 psi, Max-4940 psi, ATR-4.2 bpm, Max-4.2 bpm, ISIP-1600 psi.

**PERFORATION RECORD**

Depth	Date	SPF	Holes	Yield
4026' - 4066'	10/26/83	2 SPF	81 Holes	Y2
4077' - 4090'	10/26/83	2 SPF	27 Holes	Y3
4620' - 4624	2/26/96	4 SPF	16 Holes	R2
4737' - 4747'	10/6/83	2 SPF	21 Holes	R5
4989' - 5004'	9/21/83	2 SPF	31 Holes	G3
5431' - 5437'	2/20/96	4 SPF	24 Holes	B1
5441' - 5446'	2/20/96	4 SPF	20 Holes	B1

*Confining Zone 3434-3553'*  
*Garden Gulch 3553'*

*Douglas Creek 4538'*



**NEWFIELD**

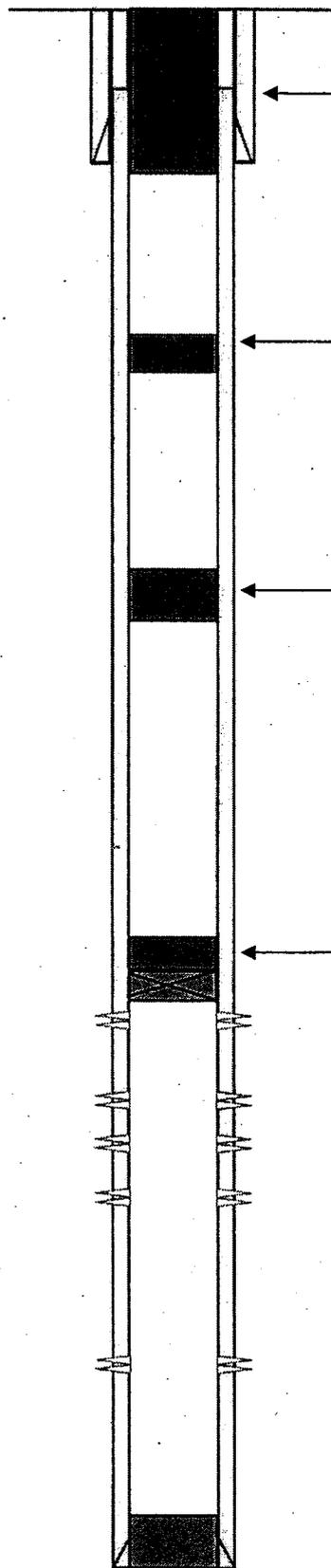
Paiute Federal #34-8-9-17  
 1980' FEL 660' FSL  
 SW/SE Section 8-T9S-R17E  
 Duchesne Co, Utah  
 API #43-013-30778; Lease #UTU-74108

PBTD @ 5957'

*57% Basal Carbonate*  
*59% Metch*

*Triller TD: 6011'*

## Plugging and Abandonment Diagram for Paiute Federal No. 34-8-9-17



Plug 4: Set a Class "G" cement plug within the 5-1/2 inch casing surface to 296 feet and up the 5-1/2 inch X 8-5/8 inch casing annulus to the surface.

Plug 3: Perforate and squeeze cement up the backside of the casing across the contact between the Uinta Formation and Green River Formation 1,255 feet – 1,375 feet (KB) unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 120-foot cement plug inside the casing from approximately 1,255 feet – 1,375 feet.

Plug 2: Perforate and squeeze cement up the backside of the casing across the Trona Zone and the Mahogany Bench from approximately 2,725 feet – 2,870 feet (KB) unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 145-foot balanced cement plug inside the casing from approximately 2,725 feet – 2,870 feet.

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

### PLUGGING RECORD

NAME AND ADDRESS OF PERMITTEE

NAME AND ADDRESS OF CEMENTING COMPANY

LOCATE WELL AND OUTLINE UNIT ON SECTION PLAT — 640 ACRES

STATE

COUNTY

PERMIT NUMBER

N


W

E

S

SURFACE LOCATION DESCRIPTION

1/4 of 1/4 of 1/4 of 1/4 of Section Township Range

LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT  
Surface

Location ft. from (N/S) Line of quarter section

and ft. from (E/W) Line of quarter section

TYPE OF AUTHORIZATION

- Individual Permit
- Area Permit
- Rule

Number of Wells

Describe in detail the manner in which the fluid was placed and the method used in introducing it into the hole

Lease Name

#### CASING AND TUBING RECORD AFTER PLUGGING

#### METHOD OF EMPLACEMENT OF CEMENT PLUGS

SIZE	WT(LB/FT)	TO BE PUT IN WELL(FT)	TO BE LEFT IN WELL(FT)	HOLE SIZE

- CLASS I
- CLASS II
- Brine Disposal
- Enhanced Recovery
- Hydrocarbon Storage
- CLASS III
- The Balance Method
- The Dump Bailer Method
- The Two-Plug Method
- Other

#### CEMENTING TO PLUG AND ABANDONED DATA

PLUG #1

PLUG #2

PLUG #3

PLUG #4

PLUG #5

PLUG #6

PLUG #7

Size of Hole or Pipe in which Plug Will Be Placed (inches)

Depth to Bottom of Tubing or Drill Pipe (ft.)

Sacks of Cement To Be Used (each plug)

Slurry Volume To Be Pumped (cu. ft.)

Calculated Top of Plug (ft.)

Measured Top of Plug (if tagged ft.)

Slurry Wt. (Lb./Gal.)

Type cement or other material (Class III)

#### LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS

From	To	From	To

Signature of Cementer or Authorized Representative

Signature of EPA Representative

#### CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. (REF. 40 CFR 122.22)

NAME AND OFFICIAL TITLE (Please type or print)

SIGNATURE

DATE SIGNED

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-74108

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
GMBU

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

8. WELL NAME and NUMBER:  
PAIUTE FEDERAL 34-8

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301330778

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

PHONE NUMBER  
435.646.3721

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

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 660 FSL 1980 FEL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWSE, 8, 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 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: 05/07/2010	<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	

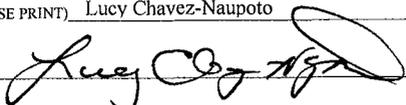
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well has been converted from a producing oil well to an injection well on 04/30/10. New intervals added: 4995-5000' 3JSPF, 4740-4745' 3 JSPF, 4088-4090' 3 JSPF, 4057-4059' 3 JSPF, and 4041-4090' 3 JSPF. On 04/26/2010 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 05/07/2010 the casing was pressured up to 1595 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not an EPA representative available to witness the test.

EPA# UT20798-08419 API# 43-013-30778

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Administrative Assistant

SIGNATURE 

DATE 05/11/2010

(This space for State use only)

**RECEIVED**  
**MAY 13 2010**  
DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well  
 Oil Well    Gas Well    Other

2. Name of Operator  
 NEWFIELD PRODUCTION COMPANY

3a. Address      Route 3 Box 3630  
 Myton, UT 84052

3b. Phone      (include are code)  
 435.646.3721

4. Location of Well      (Footage, Sec., T., R., M., or Survey Description)  
 660 FSL 1980 FEL  
 SWSE Section 8 T9S R17E

5. Lease Serial No.  
 USA UTU-74108

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or  
 GMBU

8. Well Name and No.  
 PAIUTE FEDERAL 34-8

9. API Well No.  
 4301330778

10. Field and Pool, or Exploratory Area  
 GREATER MB UNIT

11. County or Parish, State  
 DUCHESNE, UT

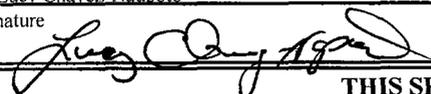
**12. CHECK APPROPRIATE BOX(ES) TO INIDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Change Status _____	
	<input checked="" type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomple in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

The subject well has been converted from a producing oil well to an injection well on 04/30/10.  
 New intervals added: 4995-5000' 3JSPF, 4740-4745' 3 JSPF, 4088-4090' 3 JSPF, 4057-4059' 3 JSPF, and 4041-4090' 3 JSPF.  
 On 04/26/2010 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 05/07/2010 the casing was pressured up to 1595 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not an EPA representative available to witness the test.

EPA# UT20798-08419    API# 43-013-30778

I hereby certify that the foregoing is true and correct (Printed/ Typed) Lucy Chavez-Naupoto	Title Administrative Assistant
Signature 	Date 05/11/2010
<b>THIS SPACE FOR FEDERAL OR STATE OFFICE USE</b>	

Approved by _____	Title _____	Date _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office _____	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

**RECEIVED**  
**MAY 13 2010**  
 DIV. OF OIL, GAS & MINING

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: \_\_\_\_\_ Date: 05/07/2010  
 Test conducted by: Lynn Monson  
 Others present: \_\_\_\_\_

Well Name: <u>Painted Federal 34-8-9-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Monument Butte</u>		
Location: <u>SW/SE</u> Sec: <u>8</u> T <u>9</u> N <u>KS</u> R <u>17</u> <u>(E)</u> W County: <u>Duchesne</u> State: <u>Ut.</u>		
Operator: <u>Newfield</u>		
Last MIT: <u>1</u> / <u>1</u>		Maximum Allowable Pressure: _____ PSIG

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

Pre-test casing/tubing annulus pressure: 0 psig

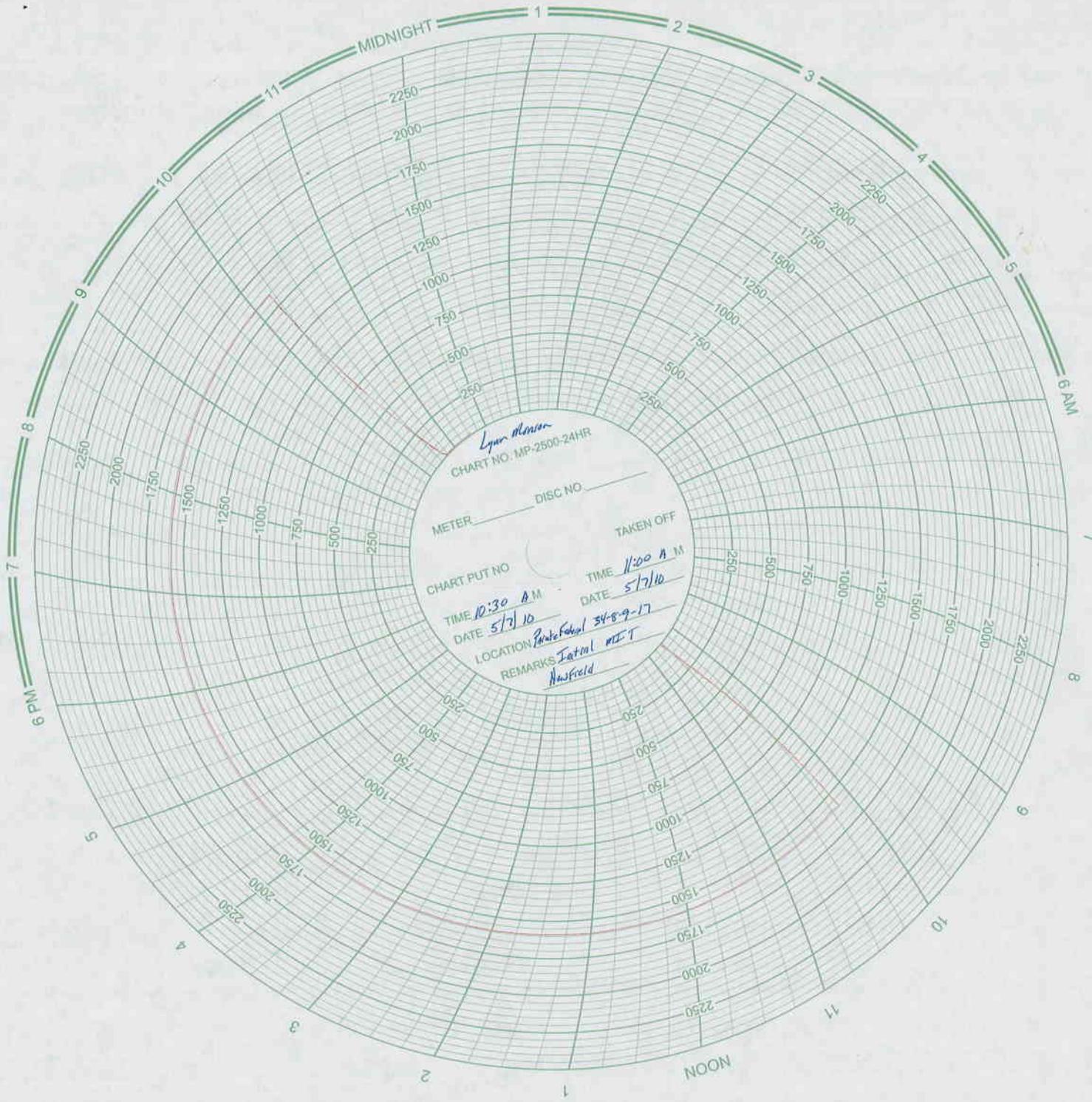
MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>0</u> psig	psig	psig
End of test pressure	<u>0</u> psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1595</u> psig	psig	psig
5 minutes	<u>1595</u> psig	psig	psig
10 minutes	<u>1595</u> psig	psig	psig
15 minutes	<u>1595</u> psig	psig	psig
20 minutes	<u>1595</u> psig	psig	psig
25 minutes	<u>1595</u> psig	psig	psig
30 minutes	<u>1595</u> psig	psig	psig
_____ minutes	_____ psig	psig	psig
_____ minutes	_____ psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

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

### MECHANICAL INTEGRITY PRESSURE TEST

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

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



Lynn Mission

CHART NO. MP-2500-24HR

METER \_\_\_\_\_ DISC NO \_\_\_\_\_

CHART PUT NO \_\_\_\_\_ TAKEN OFF \_\_\_\_\_

TIME 11:00 A M

DATE 5/7/10

LOCATION Portland 34-8-9-17

REMARKS Initial MET  
Newfield

## Daily Activity Report

Format For Sundry

**PAIUTE 34-8-9-17****2/1/2010 To 6/30/2010****4/26/2010 Day: 1****Conversion**

Nabors #809 on 4/26/2010 - LD rod string. Start TOH W/ production tbg. - MIRU Nabors rig #809. RU HO trk to annulus & pump 60 BW @ 250°F. RU pumping unit & unseat rod pump. Flush tbg & rods W/ 30 BW @ 250°F. Re-seat pump, soft joint rod string & strip off flow-T. Fill tbg W/ 2 BW. Pressure test tbg to 3000 psi. Retrieve rod string & unseat pump. TOH & LD rod string and pump. Re-flushed rods twice more on TOH W/ 40 BW. ND wellhead & release TA @ 5375'. NU BOP. TOH & talley production tbg. Break each connection, clean & inspect pins and apply Liquid O-ring to pins. Out W/ 20 jts. SIFN.

**Daily Cost:** \$0**Cumulative Cost:** (\$14,549)

---

**4/27/2010 Day: 2****Conversion**

Nabors #809 on 4/27/2010 - TOH W/ production tbg. Reperf existing intervals. TIH W/ bit and scraper. - RU HO trk & flush tbg W/ 30 BW @ 250°F. Con't TOH & talley production tbg. Break each connection, clean & inspect pins and apply Liquid O-ring to pins. LD btm 48 jts & BHA. No sign of scale on tbg OD. RU Perfor4ators LLC WLT & packoff. RIH W/ 4 3/4" gauge ring & 5-3 1/8" ported perf guns. Can't get gauge ring past 4020'. Remove same & RIH W/ guns. Re-perf intervals as follows: A sds @ 4995-5000', C sds @ 4740-4745', GB6 sds @ 4088-4090' and GB4 sds @ 4057-4059' & 4041-4044' (11 gram, .36"EH, 16.82" pen. 120°) 3 spf for total of 51 shots. RD WLT. Talley, drift, PU & TIH W/ 4 3/4" tooth bit, 5 1/2" casing scraper & 2 7/8 8rd 6.5# N-80 tbg. Ran to 5523' (never had any drag). RU HO trk & flush tbg W/ 30 BW @ 250°F. LD 15 jts excess tbg. SIFN W/ EOT @ 5040'. SIFN.

**Daily Cost:** \$0**Cumulative Cost:** \$1,515

---

**4/28/2010 Day: 4****Conversion**

Nabors #809 on 4/28/2010 - Frac well. - Stage #1; Set pkr @ 4949'. Pressure casing to 200 psi w/ 6 bbls fluid. RU BJ & perms broke down @ 3199 psi back to 2567 w/ 3 bbls @ 3 bpm. Pump 30 gals of Techni Hib chemical. Frac A sds w/ 15,000#'s of 20/40 sand in 203 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 4070 @ ave rate of 15 bpm w/ 6 ppg of sand. ISIP was 2200 w/ .87FG. Flow well back on 26/64 choke for 1 hour to rec'd 95 bbls of fluid. Release pkr & circulate tbg clean. TIH w/ tbg to tag 30' of sand. C/O to RBP @ 5044' & release. - Stage #2; TOOH w/ tbg & set RBP @ 4785'. Set pkr @ 4693'. Pressure casing to 200 psi w/ 1 bbls fluid. RU BJ & perms broke down @ 3301 psi back to 3306 w/ 1 bbls @ 3 bpm. Pump 30 gals of Techni Hib chemical. Frac C sds w/ 15,000#'s of 20/40 sand in 116 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 4360 @ ave rate of 15 bpm w/ 6 ppg of sand. Screened out frac w/ 8619#'s in perms w/ 5 ppg on perms w/ 5900#'s in tbg. Flow well back for 15 minutes to rec'd 25 bbls of fluid. Release pkr & circulate tbg clean. TIH w/ tbg to tag 30' of sand. C/O to RBP @ 4785' & release. TOOH w/ tbg. Set RBP @ 4114'. TOOH w/ tbg to leave pkr hang @ 3997'. SIFN. - Stage #1; Set pkr @ 4949'. Pressure casing to 200 psi w/ 6 bbls fluid. RU BJ & perms broke down @ 3199 psi back to 2567 w/ 3 bbls @ 3 bpm. Pump 30 gals of Techni Hib chemical. Frac A sds w/ 15,000#'s of 20/40 sand in 203 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 4070 @ ave rate of 15 bpm w/ 6 ppg of sand. ISIP was 2200 w/ .87FG. Flow well back on 26/64 choke for 1 hour to rec'd 95 bbls of fluid. Release pkr & circulate tbg clean. TIH w/ tbg to tag 30' of sand. C/O to RBP @ 5044' &

release. - RU HO trk & flush tbg w/ 30 BW @ 250°F. TOH w/ tbg--LD bit and scraper. HO trk trickled 30 BW dn annulus on TOH. MU & TIH w/ Weatherford 5 1/2" "TS" RBP, RH, tbg sub, 5 1/2" "HD" pkr & 2 7/8 N-80 tbg. Isolate Inject into re-perforated intervals. GB sds had no breakdown, injected 6 BW @ 1/2 BPM @ 1400 psi. C sds had no breakdown, injected 6 BW @ 1/2 BPM @ 2150 psi, A sds had no breakdown, injected 6 BW @ 1/2 BPM @ 1900 psi. Left plug set @ 5044'. Install frac valve & leave packer unset @ 4939'. SIFN. - RU HO trk & flush tbg w/ 30 BW @ 250°F. TOH w/ tbg--LD bit and scraper. HO trk trickled 30 BW dn annulus on TOH. MU & TIH w/ Weatherford 5 1/2" "TS" RBP, RH, tbg sub, 5 1/2" "HD" pkr & 2 7/8 N-80 tbg. Isolate Inject into re-perforated intervals. GB sds had no breakdown, injected 6 BW @ 1/2 BPM @ 1400 psi. C sds had no breakdown, injected 6 BW @ 1/2 BPM @ 2150 psi, A sds had no breakdown, injected 6 BW @ 1/2 BPM @ 1900 psi. Left plug set @ 5044'. Install frac valve & leave packer unset @ 4939'. SIFN. - Stage #2; TOOH w/ tbg & set RBP @ 4785'. Set pkr @ 4693'. Pressure casing to 200 psi w/ 1 bbls fluid. RU BJ & perfs broke down @ 3301 psi back to 3306 w/ 1 bbls @ 3 bpm. Pump 30 gals of Techni Hib chemical. Frac C sds w/ 15,000#'s of 20/40 sand in 116 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 4360 @ ave rate of 15 bpm w/ 6 ppg of sand. Screened out frac w/ 8619#'s in perfs w/ 5 ppg on perfs w/ 5900#'s in tbg. Flow well back for 15 minutes to rec'd 25 bbls of fluid. Release pkr & circulate tbg clean. TIH w/ tbg to tag 30' of sand. C/O to RBP @ 4785' & release. TOOH w/ tbg. Set RBP @ 4114'. TOOH w/ tbg to leave pkr hang @ 3997'. SIFN.

**Daily Cost:** \$0

**Cumulative Cost:** \$32,314

#### 4/29/2010 Day: 5

#### Conversion

Nabors #809 on 4/29/2010 - Finish frac. LD frac string. RIH w/ Injection packer. - Set pkr @ 3997'. RU BJ & perfs broke down @ 2702 psi back to 2671 w/ 1 bbl @ 3 bpm. Pump 30 gals of Techni Hib chemical. Frac w/ 40,000#'s of 20/40 sand in 357 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 3875 w/ ave rate of 15 bpm w/ 6 ppg of sand. ISIP was 2235 w/ .98FG. Flow well back. Well flowed for 60 min & rec'd 125 bbls fluid. Release pkr. Circulate tbg clean. TIH w/ tbg. Tag 14' sand. C/O to RBP @ 4114' & release. TOOH w/ N-80 laying down on trailer. LD tools. TIH w/ 2' x 5-1/2" Arrow set 1 packer w/ Wireline entry guide, SN, 124 jts of 2-3/8" tbg (hang @ 3989'). Drop standin valve. Won't test. RIH w/ sand line & push valve to SN. Pressure tbg to 3000 psi. SIFN.

**Daily Cost:** \$0

**Cumulative Cost:** \$82,225

#### 5/1/2010 Day: 6

#### Conversion

Nabors #809 on 5/1/2010 - Confirmed tbg test. Set & tested packer. RDMOSU. - SITP @ 2800 psi. RU HO trk & bump tbg pressure to 3000 psi. Final test held solid for 30 minutes. Retrieve standing valve w/ overshot on sandline. ND BOP & land tbg on flange. Mix 15 gals Multi-Chem C-6031 & 5 gals B-8850 in 70 bbls fresh water. Pump dn annulus @ 90°F. PU on tbg & set pkr w/ SN @ 3981', CE @ 3986' & EOT @ 3990'. Land tbg w/ 15,000# tension. NU wellhead. Pressure test annulus & pkr to 1500 psi. Holds solid for 1 hour. RDMOSU. - Perform MIT.

**Daily Cost:** \$0

**Cumulative Cost:** \$90,367

#### 5/10/2010 Day: 7

#### Conversion

Rigless on 5/10/2010 - MIT on well - On 4/26/2010 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well (Paiutte Federal 34-8-9-17). On 5/7/2010 the csg was pressured up to 1595 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 0 psig during the test.

There was not an EPA representative available to witness the test. Final Report EPA#  
UT20798-08419 API# 43-013-30778 **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$114,387

---

**Pertinent Files: Go to File List**



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8

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

**JUN 04 2010**

Ref: 8P-W-GW

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

Mr. Michael Guinn  
District Manager  
Newfield Production Company  
Route 3 - Box 3630  
Myton, UT 84052

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

RE: Underground Injection Control (UIC)  
Authorization to Commence Injection  
EPA UIC Permit UT20798-08419  
Well: Paiute Federal 34-8-9-17  
SWSE Sec. 8-T9S-R17E  
Duchesne County, UT  
API No.: 43-013-30778

Dear Mr. Guinn:

The Environmental Protection Agency Region 8 (EPA) has received Newfield Production Company's (Newfield) May 11, 2010, letter with enclosures. The enclosed Part I (internal) Mechanical Integrity test, Well Rework Record (EPA Form 7520-12), schematic diagram, and calculated pore pressure were reviewed and approved by EPA, satisfactorily completing all Prior to Commencing Injection Requirements for UIC Permit UT20798-08419.

As of the date of this letter, Newfield is authorized to commence injection into the Paiute Federal 34-8-9-17 well at a Maximum Allowable Injection Pressure (MAIP) of 1,250 psig. You may apply for a higher MAIP at a later date. Your application should be accompanied by the interpreted results of a step rate test that measures the fracture parting pressure and calculates the fracture gradient at this depth and location. Newfield must receive prior authorization from the Director to inject at pressures greater than the permitted MAIP during any test.

As of this approval, responsibility for permit compliance and enforcement is transferred to EPA's UIC Technical Enforcement Program. Therefore, please direct all monitoring and compliance correspondence to Nathan Wiser at the following address, referencing the well name and UIC Permit number on all correspondence:

**RECEIVED**  
**JUN 17 2010**  
**DIV. OF OIL, GAS & MINING**

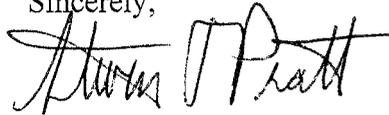
Mr. Nathan Wiser  
U.S. EPA Region 8: 8ENF-UFO  
1595 Wynkoop Street  
Denver, CO 80202-1129

Or, you may reach Mr. Wiser by telephone at 303-312-6211, or 1 800-227-8927, ext. 312-6211.

Please remember that it is your responsibility to be aware of and to comply with all conditions of injection well Permit UT20798-08419.

If you have questions regarding the above action, please call Jason Deardorff at 303-312-6583 or 1-800-227-8917, ext. 312-6583.

Sincerely,



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

cc: Uintah & Ouray Business Committee:  
Curtis Cesspooch, Chairman  
Ronald Groves, Councilman  
Irene Cuch, Vice-Chairwoman  
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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-74108

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
GMBU

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

8. WELL NAME and NUMBER:  
PAIUTE FEDERAL 34-8

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301330778

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

PHONE NUMBER  
435.646.3721

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

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 660 FSL 1980 FEL  
OTR/OTR. SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE, 8, T9S, R17E

COUNTY: DUCHESNE  
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>06/17/2010</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 checked="" type="checkbox"/> OTHER: - Put on Injection
	<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 2:30 PM on 06-17-2010.

EPA # UT20798-08419 API # 43-047-30778

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

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Administrative Assistant

SIGNATURE 

DATE 06/17/2010

(This space for State use only)

**RECEIVED  
JUN 21 2010  
DIV. OF OIL, GAS & MINING**

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-7978
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>1. TYPE OF WELL</b> Water Injection Well	<b>8. WELL NAME and NUMBER:</b> PAIUTE FEDERAL 34-8	
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013307780000	
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0660 FSL 1980 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSE Section: 08 Township: 09.0S Range: 17.0E Meridian: S	<b>COUNTY:</b> DUCHESNE	
	<b>STATE:</b> UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input checked="" type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input checked="" type="checkbox"/> OTHER
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/27/2013	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION	OTHER: <input type="text" value="MIT"/>
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input checked="" type="checkbox"/> OTHER	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>The above subject well had workover procedures performed (tubing leak), attached is a daily status report. Workover MIT on the above listed well. On 03/27/2013 the csg was pressured up to 1265 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbq pressure was 500 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-08419</p>		
<p><b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY April 09, 2013</b></p>		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 4/1/2013	

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

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

EPA Witness: \_\_\_\_\_ Date: 3/27/2013  
 Test conducted by: Cody Marx  
 Others present: \_\_\_\_\_

-0849

Well Name: <u>Painte Federal 34-89-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Maniment Butte</u>		
Location: <u>SW/SE</u> Sec: <u>8</u> T <u>9</u> N/ <u>S</u> R <u>17</u> E/W County: <u>Duchesne</u> State: <u>Ut.</u>		
Operator: <u>Cody Marx</u>		
Last MIT: <u>1</u> / <u>1</u>	Maximum Allowable Pressure: _____	PSIG

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

Pre-test casing/tubing annulus pressure: 1265 psig

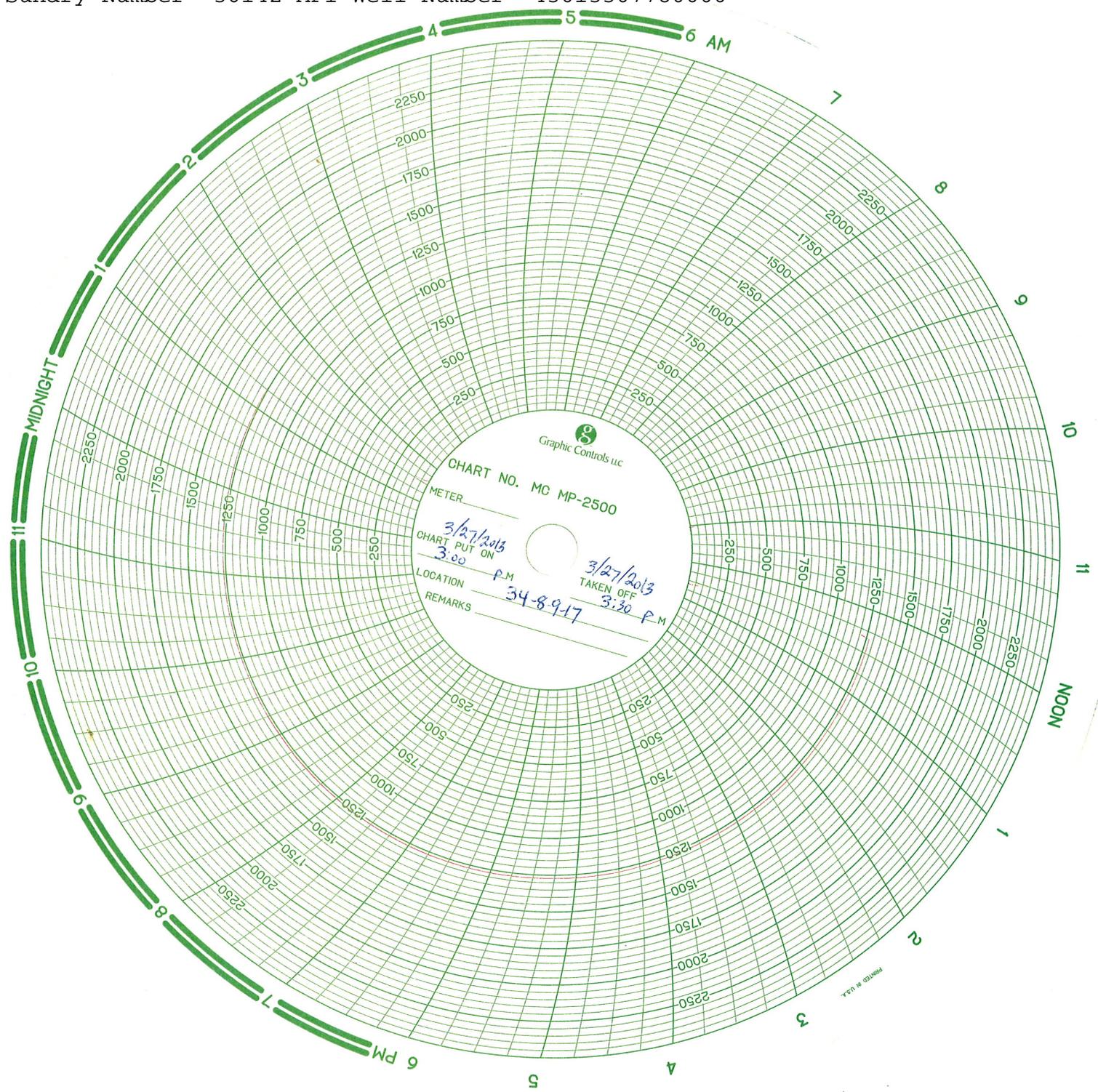
MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>500</u> psig	psig	psig
End of test pressure	<u>500</u> psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1265</u> psig	psig	psig
5 minutes	<u>1265</u> psig	psig	psig
10 minutes	<u>1265</u> psig	psig	psig
15 minutes	<u>1265</u> psig	psig	psig
20 minutes	<u>1265</u> psig	psig	psig
25 minutes	<u>1265</u> psig	psig	psig
30 minutes	<u>1265</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

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

### MECHANICAL INTEGRITY PRESSURE TEST

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

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



PRINTED IN U.S.A.

**Daily Activity Report****Format For Sundry****PAIUTE 34-8-9-17****1/1/2013 To 5/30/2013****3/26/2013 Day: 1****Workover**

WWS #9 on 3/26/2013 - Move on rig up start flowback. - Crew travel & safety meeting. Rig down move off 31-2-8-17, road over to 34-8-9-17 wait on building to get removed 8:00 am to 11:00 rig up, open well to flow back tank, 160 bbls total, tank has 10 ppm h2s, swifn, let wtr services flow over the weekend. Crew travel. - Crew travel & safety meeting. Rig down move off 31-2-8-17, road over to 34-8-9-17 wait on building to get removed 8:00 am to 11:00 rig up, open well to flow back tank, 160 bbls total, tank has 10 ppm h2s, swifn, let wtr services flow over the weekend. Crew travel. - crew travel safety meeting. Chk press 1500 psi tbg, 2050 psi csg, open to flowback tnk, flowback 60 bbls, nu wh, pu on tbg release pkr nu bops, rig down floor circ well nu, 60 bbls treated w scavanger biocide, drop 2-3/8, sv press tbg up to 3000 psi, good, rih retrieve sv pooh, tooh w 2-3/8 tbg 124 jts ld pkr, swifn, waiting on new pkr. Crew travel. - crew travel safety meeting. Chk press 1500 psi tbg, 2050 psi csg, open to flowback tnk, flowback 60 bbls, nu wh, pu on tbg release pkr nu bops, rig down floor circ well nu, 60 bbls treated w scavanger biocide, drop 2-3/8, sv press tbg up to 3000 psi, good, rih retrieve sv pooh, tooh w 2-3/8 tbg 124 jts ld pkr, swifn, waiting on new pkr. Crew travel. - Crew travel & safety meeting. Rig down move off 31-2-8-17, road over to 34-8-9-17 wait on building to get removed 8:00 am to 11:00 rig up, open well to flow back tank, 160 bbls total, tank has 10 ppm h2s, swifn, let wtr services flow over the weekend. Crew travel. - Crew travel & safety meeting. Rig down move off 31-2-8-17, road over to 34-8-9-17 wait on building to get removed 8:00 am to 11:00 rig up, open well to flow back tank, 160 bbls total, tank has 10 ppm h2s, swifn, let wtr services flow over the weekend. Crew travel. - crew travel safety meeting. Chk press 1500 psi tbg, 2050 psi csg, open to flowback tnk, flowback 60 bbls, nu wh, pu on tbg release pkr nu bops, rig down floor circ well nu, 60 bbls treated w scavanger biocide, drop 2-3/8, sv press tbg up to 3000 psi, good, rih retrieve sv pooh, tooh w 2-3/8 tbg 124 jts ld pkr, swifn, waiting on new pkr. Crew travel. - crew travel safety meeting. Chk press 1500 psi tbg, 2050 psi csg, open to flowback tnk, flowback 60 bbls, nu wh, pu on tbg release pkr nu bops, rig down floor circ well nu, 60 bbls treated w scavanger biocide, drop 2-3/8, sv press tbg up to 3000 psi, good, rih retrieve sv pooh, tooh w 2-3/8 tbg 124 jts ld pkr, swifn, waiting on new pkr. Crew travel. **Finalized**

**Daily Cost:** \$0**Cumulative Cost:** \$8,847**3/27/2013 Day: 3****Workover**

WWS #9 on 3/27/2013 - Test tubing - Crew travel, safety meeting, mt3. ck well PSI 1200 psi. open to flowback tnk, 8am mu tih w reentry suicide xn mipple cross over 2-3/8 sub, cross over 5-1/2 pkr retrieve head, 2-3/8, psn 64 jts 2-3/8 tbg drop sv press up to 3000 3 times no test. Pooh w 30 jts, test 3000 psi no testpooh clean sv up, tih w 30 jts, drop sv, still no test, wtr runs right through , retrieve standing valve, flush tbg25bbls @ 250, while waiting on new valve prop new one. Psi up to 3000 psi. no good, pooh testing every two jts, 124 has small corossion hole, tbiH. W 5-1/2 press assembly 122 jts, wait on runnersfor pipe. 4:15 showed up w 2-7/8 not 2-3/8 newfield pipe yard is closed, no pipe until morning. Swifn, crew travel/ - Crew travel, safety meeting, mt3. ck well PSI 1200 psi. open to flowback tnk, 8am mu tih w reentry suicide xn mipple cross over 2-3/8 sub, cross over 5-1/2 pkr retrieve head, 2-3/8, psn 64 jts 2-3/8 tbg drop sv press up to 3000 3 times no test. Pooh w 30 jts, test 3000 psi no testpooh clean sv up, tih w 30 jts, drop sv, still no test, wtr runs right through , retrieve standing valve, flush tbg25bbls @ 250, while waiting on new valve prop new one. Psi up to 3000 psi. no good, pooh testing every two jts, 124 has small corossion hole, tbiH. W 5-1/2

press assembly 122 jts, wait on runnersfor pipe. 4:15 showed up w 2-7/8 not 2-3/8 newfield pipe yard is closed, no pipe until morning. Swifn, crew travel/

**Daily Cost:** \$0

**Cumulative Cost:** \$22,402

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**3/28/2013 Day: 4**

**Workover**

WWS #9 on 3/28/2013 - Waitin on tubinh PU 2 new jts pres up tbg 3000 psi watch 30 min good - Waitin on tubinh PU 2 new jts pres up tbg 3000 psi watch 30 min good RJH retrieve SV POOH RD Floor and BOBS pump 65 bbl w/ packer fluid down csg pa set pkr at 3984 to c.e. eot @3999 15,000 tension on pkr pressure up to 1400psi watch for thirty minutes. - Waitin on tubinh PU 2 new jts pres up tbg 3000 psi watch 30 min good RJH retrieve SV POOH RD Floor and BOBS pump 65 bbl w/ packer fluid down csg pa set pkr at 3984 to c.e. eot @3999 15,000 tension on pkr pressure up to 1400psi watch for thirty minutes.

**Daily Cost:** \$0

**Cumulative Cost:** \$26,484

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**4/1/2013 Day: 5**

**Workover**

Rigless on 4/1/2013 - Conduct MIT - Workover MIT on the above listed well. On 03/27/2013 the csg was pressured up to 1265 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 500 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-08419 - Workover MIT on the above listed well. On 03/27/2013 the csg was pressured up to 1265 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 500 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-08419 **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$27,384

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**Pertinent Files: [Go to File List](#)**

*cc J. Rogers*



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8**

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

**APR 25 2013**

OFFICE OF OIL, GAS, AND MINING

Ref: 8ENF-UFO

**APR 18 2013**

CERTIFIED MAIL 7009-3410-0000-2599-7747  
RETURN RECEIPT REQUESTED

Mr. J D Horrocks  
Newfield Exploration Company  
Route 3, Box 3630  
Myton, UT 84052

*95 17E 8*

Re: Underground Injection Control (UIC)  
Permission to Resume Injection  
~~Painte Federal 34-39-17~~ Well  
EPA ID# UT22197-08419  
API #43-013-30778  
Duchesne County, UT

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

**FOR RECORD ONLY**

Dear Mr. Horrocks:

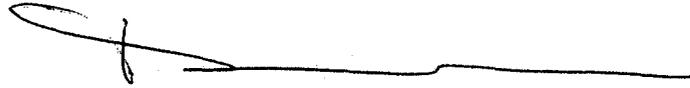
On April 10, 2013, the Environmental Protection Agency (EPA) received information from Newfield Exploration Company on the above referenced well concerning the workover to address a tubing leak and the followup mechanical integrity test (MIT) conducted on March 27, 2013. The data submitted shows that the well passed the required MIT. Therefore, pursuant to Title 40 of the Code of Federal Regulations Section 144.51(q)(2) (40 C.F.R. §144.51(q)(2)), permission to resume injection is granted. Under continuous service, the next MIT will be due on or before March 27, 2018.

Pursuant to 40 C.F.R. §144.52(a)(6), if the well is not used for a period of at least two (2) years ("temporary abandonment"), it shall be plugged and abandoned unless EPA is notified and procedures are described to EPA ensuring the well will not endanger underground sources of drinking water ("non-endangerment demonstration") during its continued temporary abandonment. A successful MIT is an acceptable non-endangerment demonstration and would be necessary every two (2) years the well continues in temporary abandonment.

Failure to comply with a UIC Permit, or the UIC regulations found at 40 C.F.R. Parts 144 through 148 constitute one or more violations of the Safe Drinking Water Act, 42 U.S.C. §300h. Such non-compliance may subject you to formal enforcement by EPA, as codified at 40 C.F.R. Part 22.

If you have any questions concerning this letter, you may contact Sarah Roberts at (303) 312-7056. Please direct all correspondence to the attention of Sarah Roberts at Mail Code 8ENF-UFO.

Sincerely,



Darcy O'Connor, Director  
UIC/FIFRA/OPA Technical Enforcement Programs

cc: Irene Cuch, Jr., Chairwoman  
Uintah & Ouray Business Committee  
P.O. Box 190  
Fort Duchesne, Utah 84026

Ronald Wopsock, Vice-Chairman  
Uintah & Ouray Business Committee  
P.O. Box 190  
Fort Duchesne, Utah 84026

Reannin Tapoof, Assistant  
Uintah & Ouray Business Committee  
P.O. Box 190  
Fort Duchesne, Utah 84026

Stewart Pike, Councilman  
Uintah & Ouray Business Committee  
P.O. Box 190  
Fort Duchesne, Utah 84026

Richard Jenks, Councilman  
Uintah & Ouray Business Committee  
P.O. Box 190  
Fort Duchesne, Utah 84026

Frances Poowegup, Councilwoman  
Uintah & Ouray Business Committee  
P.O. Box 190  
Fort Duchesne, Utah 84026

Phillip Chimburas, Councilman  
Uintah & Ouray Business Committee  
P.O. Box 190  
Fort Duchesne, Utah 84026

Manuel Myore, Director of Energy,  
Minerals and Air Programs  
Ute Indian Tribe  
P.O. Box 190  
Fort Duchesne, Utah 84026

Mike Natchees, Environmental  
Coordinator  
Ute Indian Tribe  
P.O. Box 190  
Fort Duchesne, Utah 84026

John Rogers  
Utah Division of Oil, Gas and Mining  
P.O. Box 145801  
Salt Lake City, Utah 84114



Spud Date: 8/26/83

Completion Date: 11/28/83

GL: 5302' KB:5313 ' KB (11' KB)

# Paiute Federal 34-8-9-17

Initial Production: 81 BO,  
69 MCFPD, 5 BW

## Injection Wellbore Diagram

### SURFACE CASING

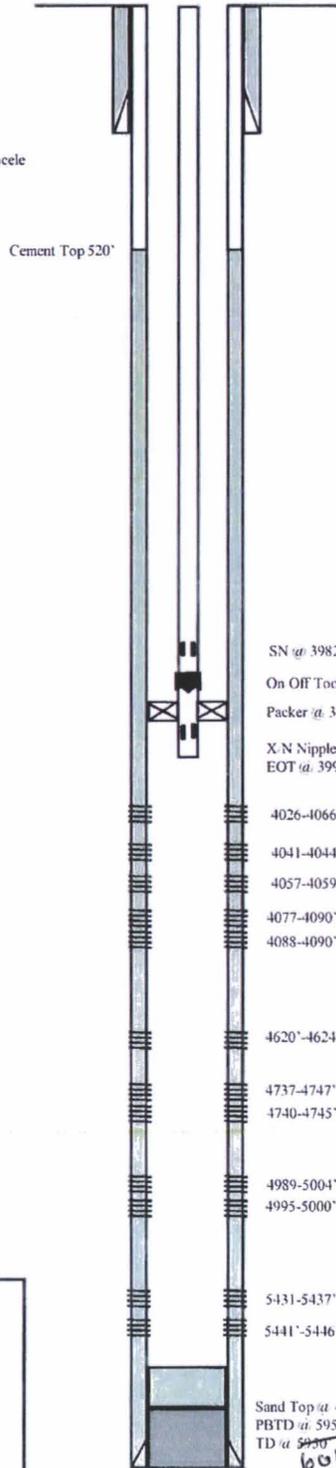
STRING: 1  
CSG SIZE: 8-5/8"  
GRADE: K-55  
WEIGHT: 24#  
LENGTH: 247.8' (6 jts)  
DEPTH LANDED: 245.7' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 210 sxs Class "G" w/ 3% CaCl + 1/4 #sk Flocele

### PRODUCTION CASING

STRING: 1  
CSG SIZE: 5-1/2"  
GRADE: K-55  
WEIGHT: 15.5#  
LENGTH: 6030.84' (150 jts)  
DEPTH LANDED: 6008.69' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 650 sxs Thixotropic w/ 10% Calseal + 1/4 #sk Flocele + 5# Gilsonite, Tailed w/ 270 sxs Howco Hi-Fill w/ 3% salt  
CEMENT TOP AT: 520' KB per CBL

### TUBING

SIZE/GRADE/WT.: 2-3/8" / J-55 6.5#  
NO. OF JOINTS: 2 jts (63.0')  
NO. OF JOINTS: 122 jts (3908.0')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 3982' KB  
ON-OFF TOOL AT: 3983.1'  
ARROW #1 PACKER CE AT: 3989'  
XO 2-3/8 x 2-7/8 J-55 AT: 3992.1'  
TBG PUP 2-3/8 J-55 AT: 3992.6'  
XO 2-3/8 x 2-7/8 J-55 AT: 3996.8'  
X-N NIPPLE AT: 3997.3'  
TOTAL STRING LENGTH: EOT @ 3998.82'



### FRAC JOB

9/21/83	4989' - 5004'	5000 gal Apollo 40 pad, 15,500 gal Apollo 40 w/ 27,500# 20/40. Flushed w/ 4987 gal 2% KCl wtr. ATP-2000#, Max-2200, ATR-10 bpm. Max-12. ISIP-1900#, 15min-1800, 20min-1800 Broke w 1400 psi, 2 bpm to 1200 psi, 10 bpm	
10/6/93	4737' - 4747'	4500 gal Apollo40 pad, 10,000 gal Apollo40 w/ 11,500# 20/40. ATP-2000#, Max-3500. ATR-10 bpm, Max-10. ISIP-3000#, 15min-1300#, 20min-1250. Screened Out w/ 8000# sand in csg & 11,500# in formation, 560 ft sand in csg. Broke w/ 1500 psi, 2 bpm to 1200 psi, 4 bpm	
10/27/83	4077' - 4090' & 4026' - 4066'	20,000 Apollo50 pad, 50,640 gal Apollo50 w/ 60,000# 20/40 + 46,840# 10/20. ATF 1400#, Max-3000, ATR-32 bpm, Max-38. ISIP-1800#, 15min-300, 20min-220 psi. SCREENED OUT w/ 26,160# 10/20left to go into perms. 672 gal 2% KCl wtr w/ 80 ball sealers. 924 gal 2% KCl to flush balls. Good ball action seen.	
2/21/96	5431' - 5437' & 5441' - 5446'	3000 gal 2% KCl pad followed by 7,048 gal 2% KCl gel w/ 14,260 20/40 + 22,160 16/30 sand. Flushed w/ 1534 gal 2% KCl water. ATP-3700 psi, Max-3900 psi, ATR-18 bpm, Max-18.5 bpm, ISIP - 1700 psi, 5min-1420 psi, 10min-1310 psi 15min-1230 psi, 30min-1120 psi 3234 gal 2% KCl wtr w/ 88 ball sealers. No Ball Off. ATP-191 psi, Max-4950 psi, ATR-5.6 bpm, ISIP -1350 psi	
2/27/96	4620' - 4624'	2000 gal 2% KCl pad followed by 2800 gal 2% KCl gel w/ 13,540# 16/30 sand. Flushw 1302 gal 2% KCl wtr. ATP-4100 psi, Max-4210 psi, ATR-17.5 bpm, Max-18.5 bpm, ISIP-2100 psi, 5min-1800 psi, 10min-1720 psi 15min-1680 psi, 30min-1590 psi. 2226 gal 2% KCl wtr w/ 32 ballsealers. Balled Out. ATP-2300 psi, Max-4940 psi. ATR-4.2 bpm, Max-4.2 bpm, ISIP-1600 psi.	
	4-28-10	4995-5000'	Frac A sands as follows: Frac with 15000# 20-40 sand in 97 bbls Lightning 17 fluid.
	4-28-10	4740-4745'	Frac C sands as follows: Frac with 15000# 20/40 sand in 34 bbls Lightning 17 fluid.
	4-28-10	4041-4090'	Frac GB4 & GB6 sands as follows: Frac with 37994# 20/40 sand in 172 bbls Lightning 17 fluid.
	4-30-10	4041-4044'	
	5-7-10	4057-4059'	
	03/27/13	4077-4090'	
		4088-4090'	
		4620'-4624'	
		4737-4747'	
		4740-4745'	
		4989-5004'	
		4995-5000'	
		5431-5437'	
		5441'-5446'	

### PERFORATION RECORD

4026 - 4066'	10/26/83	2 SPF	81 Holes
4077 - 4090'	10/26/83	2 SPF	27 Holes
4620 - 4624'	2/26/96	4 SPF	16 Holes
4737 - 4747'	10/6/83	2 SPF	21 Holes
4989 - 5004'	9/21/83	2 SPF	31 Holes
5431 - 5437'	2/20/96	4 SPF	24 Holes
5441 - 5446'	2/20/96	4 SPF	20 Holes
4995 - 5000'	4/26/10	3 SPF	15 Holes
4740 - 4745'	4/26/10	3 SPF	15 Holes
4088 - 4090'	4/26/10	3 SPF	6 Holes
4057 - 4059'	4/26/10	3 SPF	6 Holes
4041 - 4044'	4/26/10	3 SPF	9 Holes



**Paiute Federal 34-8-9-17**  
1980' FEL 660' FSL  
SW/SE Section 8-T9S-R17E  
Duchesne Co, Utah  
API #43-013-30778; Lease #UTU-74108



WELL NAME: **Palute Federal #34-8**  
 FIELD: Monument Butte (Beluga Unit)  
 FEDERAL LEASE NO.: U-7978  
 LOCATION: SW SE Sec.8, T9S, R17E  
 FOOTAGE: 1980' FEL, 660' FSL  
 COUNTY/STATE: Duchesne County, Utah  
 WORKING INTEREST: 0.91491728  
 PRODUCING FORMATION: Green River  
 COMPLETION DATE: 11/28/83  
 INITIAL PRODUCTION: 81 BO, 5 BW, 69 MCFPD  
 OIL/GAS PURCHASER: Amoco/Universal  
 PRESENT PROD STATUS: PROD  
 ELEVATIONS - GROUND: 5302' GL  
 TOTAL DEPTH: 6011' KB

DATE : 11/6/95 vk  
 API NO.: 43-013-30778  
 NET REVENUE INTEREST: OIL : 0.80471769  
 GAS : 0.73108274  
 SPUD DATE: 8/26/83  
 OIL GRAVITY: 32  
 BHT:  
 KB: 5313' KB (11' KB)  
 PLUG BACK TD: 5964' KB

**SURFACE CASING**

STRING: 1  
 CSG SIZE: 8-5/8"  
 GRADE: K-55  
 WEIGHT: 24#  
 LENGTH: 247.8' (6 jts)  
 DEPTH LANDED: 245.7' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 210 sxs Class "G" w/ 3%  
 CaCl + 1/4 #/sk Flocele

**PRODUCTION CASING**

STRING: 1  
 CSG SIZE: 5-1/2"  
 GRADE: K-55  
 WEIGHT: 15.5#  
 LENGTH: 6030.84' (150 jts)  
 DEPTH LANDED: 6008.69' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 650 sxs Thixotropic w/ 10% Calseal  
 + 14 #/sk Flocele + 5# Gilsonite,  
 Tailed w/ 270 sxs Howco Hi-Fill w/  
 3% salt

**TUBING RECORD**

SIZE/GRADE/WT.: 2-3/8" / J-55 / 4.7#  
 NO. OF JOINTS: 122 jts (3900.84 ft)  
 TUBING ANCHOR: 2-3/8" x 5-1/2" (2.82 ft) 12" tension  
 NO. OF JOINTS: 36 jts (1140.02 ft)  
 SEATING NIPPLE: 2-3/8" x 1.01'  
 PERFORATED SUB: 2-3/8" x 4.1'  
 MUD ANCHOR: 2-3/8" x 33.0' w/ NC  
 TOTAL STRING LENGTH: 5081.79 ft (EOT @ 2093' KB)  
 SN LANDED AT: 5056' KB

CEMENT TOP AT: 500' KB per CBL

**PERFORATION RECORD**

4026' - 4066'	10/26/83	2 SPF	81 Holes	Y2
4077' - 4090'	10/26/83	2 SPF	27 Holes	Y3
4620' - 4624	2/26/96	4 SPF	16 Holes	R2
4737' - 4747'	10/6/83	2 SPF	21 Holes	R5
4989' - 5004'	9/21/83	2 SPF	31 Holes	G3
5431' - 5437'	2/20/96	4 SPF	24 Holes	B1
5441' - 5446'	2/20/96	4 SPF	20 Holes	B1

**SUCKER ROD RECORD**

POLISHED ROD: 1-1/4" x 22' SM  
 SUCKER RODS: 217 - 3/4" x 25' Plain  
 TOTAL STRING LENGTH: 5441.5 ft

**ACID JOB / BREAKDOWN JOB**

9/21/83	4989' - 5004'	Broke w/ 1400 psi, 2 bpm to 1200 psi, 10 bpm
10/6/83	4737' - 4747'	Broke w/ 1500 psi, 2 bpm to 1200 psi, 4 bpm
10/27/83	4077' - 4090' & 4026' - 4066'	672 gal 2% KCl wtr w/ 180 ball sealers. 924 gal 2% KCl to flush balls. Good ball action seen.
2/21/96	5431' - 5437' & 5441' - 5446'	3234 gal 2% KCl wtr w/ 88 ball sealers. No Ball Off. ATP-1910 psi, Max-4950 psi, ATR-5.6 bpm, ISIP - 1350 psi
2/27/96	4620' - 4624	2226 gal 2% KCl wtr w/ 32 ball sealers. Balled Out. ATP-2300 psi, Max-4940 psi, ATR-4.2 bpm, Max-4.2 bpm, ISIP-1600 psi.

PUMP NUMBER:  
 PUMP SIZE: 2" x 1-1/4" x 15' RHAC  
 w/ PA plunger

STROKE LENGTH:  
 PUMP SPEED, SPM:  
 PUMPING UNIT SIZE: CMI 160  
 PRIME MOVER:

LOGS: CNL-LDT, FDC, BHC,  
 DIL, EPT, CBL-VDL



# EQUITABLE RESOURCES ENERGY COMPANY

Paiute Federal #34-8  
SW SE Sec.8, T9S, R17E  
1980' FEL, 660' FSL  
Monument Butte (Beluga Unit)  
Duchesne County, Utah

WELL INFORMATION CONT.  
PAGE TWO

## FRAC JOB

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9/21/83	4989' - 5004'	5000 gal Apollo 40 pad, 15,500 gal Apollo 40 w/ 27,500# 20/40. Flushed w/ 4987 gal 2% KCl wtr. ATP-2000#, Max-2200, ATR-10 bpm, Max-12. ISIP-1900#, 15min-1800, 20min-1800
10/6/93	4737' - 4747'	4500 gal Apollo40 pad, 10,000 gal Apollo40 w/ 11,500# 20/40. ATP-2000#, Max-3500. ATR-10 bpm, Max-10. ISIP-3000#, 15min-1300#, 20min-1250. Screened Out w/ 8000# sand in csg & 11,500# in formation, 560 ft sand in csg.
10/27/83	4077' - 4090' & 4026' - 4066'	20,000 Apollo50 pad. 50,640 gal Apollo50 w/ 60,000# 20/40 + 46,840# 10/20. ATP-1400#, Max-3000, ATR-32 bpm, Max-38. ISIP-1800#, 15min-300, 20min-220 psi. SCREENED OUT w/ 26,160# 10/20 left to go into perfs.
2/21/96	5431' - 5437' & 5441' - 5446'	3000 gal 2% KCl pad followed by 7,048 gal 2% KCl gel w/ 14,260 20/40 + 22,160 16/30 sand. Flushed w/ 1534 gal 2% KCl water. ATP-3700 psi, Max-3900 psi, ATR-18 bpm, Max-18.5 bpm, ISIP - 1700 psi, 5min-1420 psi, 10min-1310 psi 15min-1230 psi, 30min-1120 psi
2/27/96	4620' - 4624'	2000 gal 2% KCl pad followed by 2800 gal 2% KCl gel w/ 13,540# 16/30 sand. Flush w/ 1302 gal 2% KCl wtr. ATP-4100 psi, Max-4210 psi, ATR-17.5 bpm, Max-18.5 bpm, ISIP-2100 psi, 5min-1800 psi, 10min-1720 psi 15min-1680 psi, 30min-1590 psi.

Elev.GR - 5302' GL  
Elev.KB - 5313' (11' KB)

**WELLBORE DIAGRAM**

DATE: 11/6/95 vk

**SURFACE CASING**

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GRADE: K-55  
WEIGHT: 24#  
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DEPTH LANDED: 245.7' KB  
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HOLE SIZE: 7-7/8"  
CEMENT DATA: 650 sxs Thixotropic w/ 10% Calseal  
+ 14 #/sk Flocele + 5# Gilonite,  
Tailed w/ 270 sxs Howco Hi-Fill w/  
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PUMP SIZE: 2" x 1-1/4" x 15' RHAC  
w/ PA plunger  
  
STROKE LENGTH:  
PUMP SPEED, SPM:  
PUMPING UNIT SIZE: CMI 160  
PRIME MOVER:

WELL WAS CORED  
LOGS: CNL-LDT, FDC, BHC,  
DIL, EPT, CBL-VDL

246' KB

TOC @ 500' KB

**ACID JOB /BREAKDOWN**

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2/27/96	4620' - 4624	

**PERFORATION RECORD**

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SN LANDED @ 5056' KB  
EOT LANDED @ 5093' KB

5431' - 37' & 5441' - 46'

PBTD @ 5957' KB  
TD @ 5950' KB