

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

3. ADDRESS OF OPERATOR
 Drawer E Vernal, Utah 84078 1-801-789-5270

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 1885' FL 1989' FSL Section 6, T9S, R17E, S.L.B. & M.
 At proposed prod. zone same NE SW

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

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 1885'

16. NO. OF ACRES IN LEASE
 640

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.
 N/A

19. PROPOSED DEPTH
 5300' *Green River*

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5364'

22. APPROX. DATE WORK WILL START*
 A.S.A.P.

5. LEASE DESIGNATION AND SERIAL NO.
 U-020252-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
 Allen Fed.

8. FARM OR LEASE NAME

9. WELL NO.
 #23-6

10. FIELD AND POOL, OR WILDERNESS
~~Field~~ *Monument Butte*

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 6, T9S, R17E, S.L.B. & M.

12. COUNTY OR PARISH
 Duchesne

13. STATE
 Utah

PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|----------------------|
| 12 1/2" | 8 5/8" | 24# K-55 | 250' | Circulate to surface |
| 7 7/8" | 5 1/2" | 15.5# K-55 | T.D. 5300' | 300 Sacks |

Drill 12 1/2" hole to approximately 250' set 8 5/8" casing, set up BOP as required and pressure test. Drill 7 7/8" hole to approximately 5300' if production is found feasible set 5 1/2" production casing.

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING
 DATE: 1/9/81
 BY: [Signature]

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

24. SIGNED [Signature] TITLE District Superintendent DATE 12/29/80

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

PREPARED BY _____ TITLE _____ DATE _____

DUPLICATE

Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

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
Drawer E Vernal, Utah 84078 1-801-789-5270

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 1885' FL 1989' FSL Section 6, T9S, R17E, S.L.B. & M.
 At proposed prod. zone
 same

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

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1885'

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

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5364'

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
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24. SIGNED Bill Elliott TITLE District Superintendent DATE 12/29/80

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY (Orig. Sgd.) R. A. Henricks TITLE FOR E. W. GYNN DISTRICT ENGINEER DATE FEB 19 1981

CONDITIONS OF APPROVAL, IF ANY:

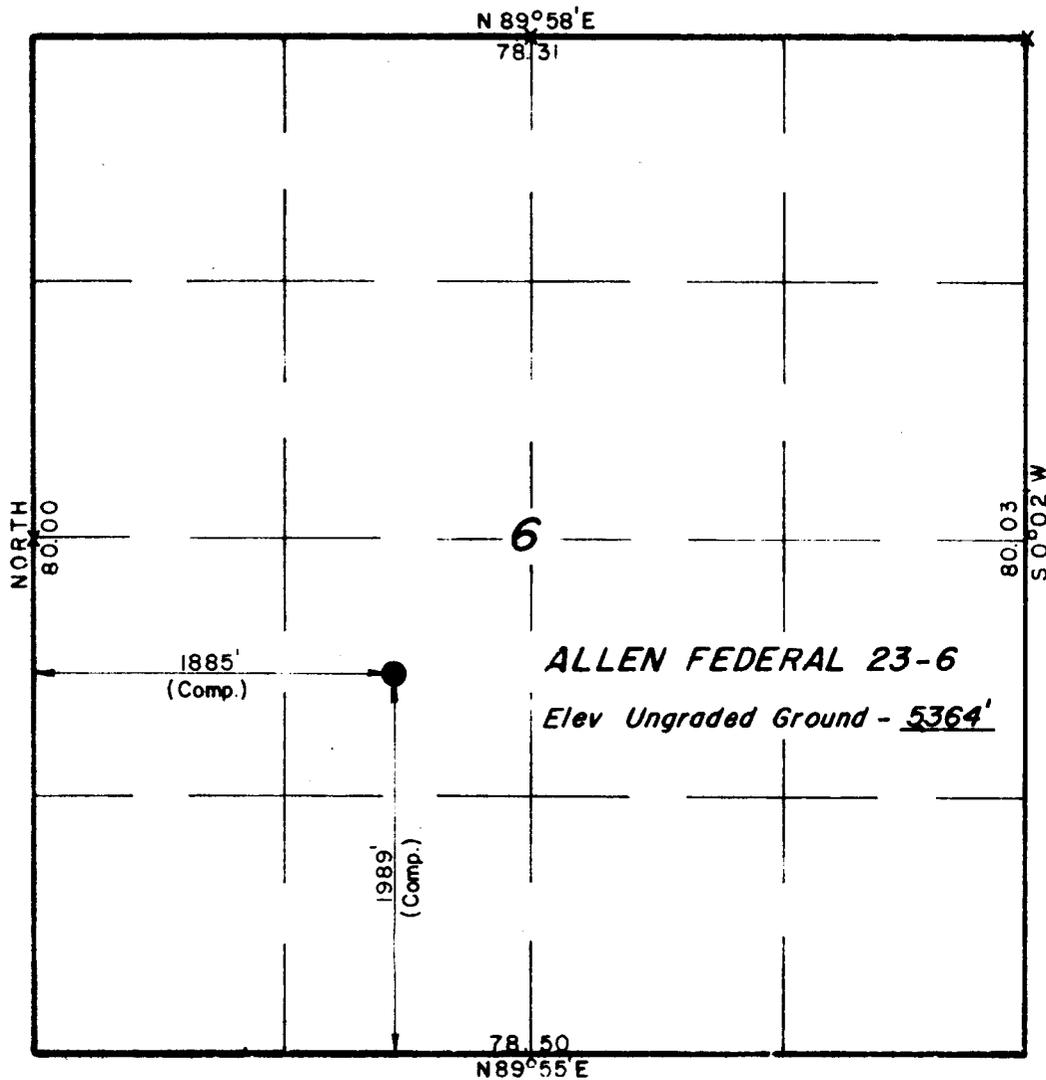
CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

NOTICE OF APPROVAL

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

State Oil and Gas

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



X = Section Corners Located

PROJECT

DIAMOND SHAMROCK

Well location, ALLEN FEDERAL 23-6 located as shown in the NE 1/4 SW 1/4 Section 6 T9S, R17E, SLB&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 SURVEYOR
REGISTRATION NO. 3154
STATE OF UTAH

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

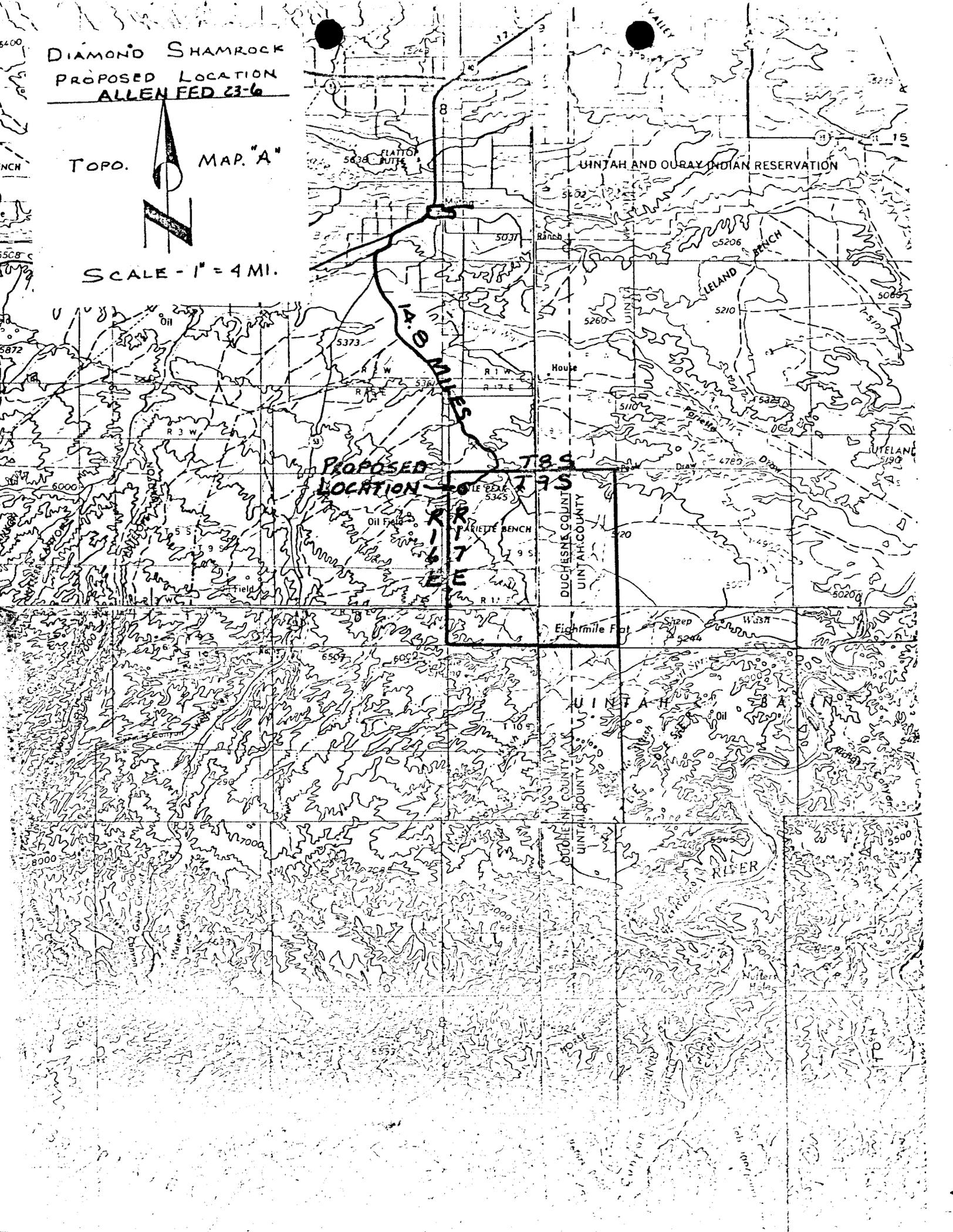
| | | | |
|---------|---------------|------------|------------------|
| SCALE | 1"=1000' | DATE | 12 / 22 / 80 |
| PARTY | GS.GS.SH. RDR | REFERENCES | GLO Plat |
| WEATHER | Clear / Cool | FILE | DIAMOND SHAMROCK |

DIAMOND SHAMROCK
PROPOSED LOCATION
ALLEN FED 23-6

TOPO. MAP "A"



SCALE - 1" = 4 MI.



14.0 MILES

PROPOSED
LOCATION

UNTAH AND OURAY INDIAN RESERVATION

DUCHESSNE COUNTY
UNTAH COUNTY

UNTAH COUNTY
UNTAH COUNTY

UNTAH COUNTY

UNTAH COUNTY

UNTAH COUNTY

UNTAH COUNTY

UNTAH COUNTY

UNTAH COUNTY

UNTAH COUNTY

UNTAH COUNTY

5206 BENCH

House

5345

520

Eightmile Flat

UNTAH

UNTAH

UNTAH

UNTAH

UNTAH

UNTAH

UNTAH

5202

5037

5280

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1. GEOLOGICAL NAME OF SURFACE FORMATION

(A) Uinta Formation of Eocene Age

2. TOPS OF IMPORTANT GEOLOGICAL MARKERS

- (A) Mahogany 3060'
- (B) Garden Gulch 3630'
- (C) Douglas 4610'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL & GAS

- (A) Gas anticipated at 2600' in Evaculation Creek Member
(Water or Oil no anticipated)
- (B) Oil & Gas anticipated in Basal Green River Formation (Douglas Creek) at 5300'

4. PROPOSED CASING PROGRAM

- (A) 250' of 8 5/8" surface casing 32# per foot ✓
5300' of 5½" 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 BOP. ✓
- (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

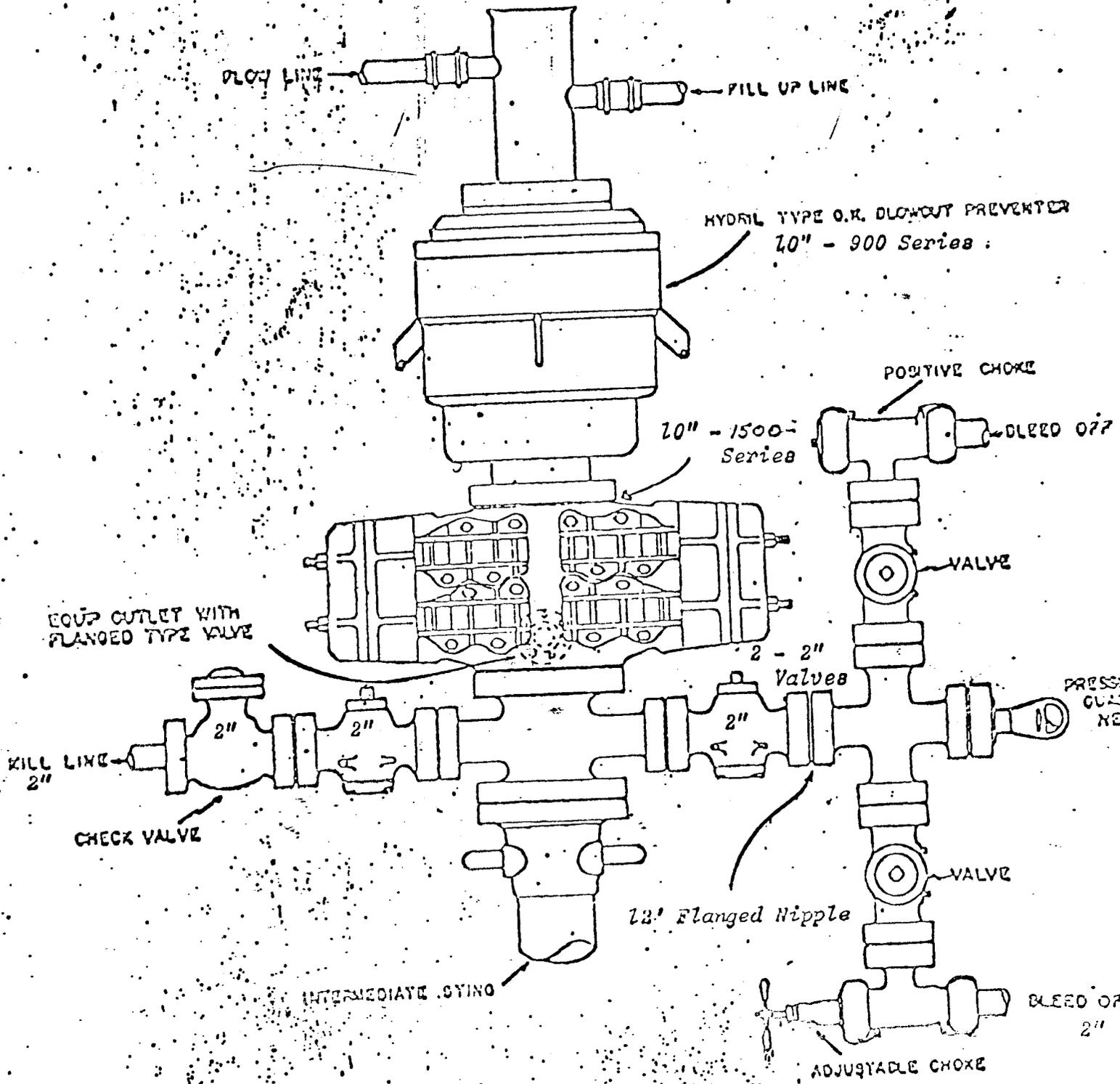
- (A) Drill Stem Test of Evacuation Creek and Douglas Creek
- (B) Will Run dual lateralog, BHC, and CNL- FDC.

9. ANTICIPATED ABNORMAL PRESSURES, TEMPERATURES OR HAZARDS

- (A) No abnormal pressures expected ✓
- (B) No Hydrogen Sulfide Gas expected

10. STARTING DATE AND DURATION OF OPERATIONS

- (A) Anticipated starting date as soon as possible after permission is granted
- (B) This well is anticipated to be drilled in approximately 30 days.



NOTE: 1. 2\"/>

Diag. A

DIAMOND SHAMROCK

13 Point Surface Use Plan

For

Well Location

Allen Federal #23-6

Located In

Section 6, T9S, R17E, S.L.B.& M.

Duchesne County, Utah

DIAMOND SHAMROCK
Allen Federal #23-6
Section 6, T9S, R17E, S.L.B. & M.

1. EXISTING ROADS

To reach DIAMOND SHAMROCK well location Allen Federal #23-6 located in the NE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 6, T9S, R17E, S.L.B. & M., Duchesne County, Utah; proceed Southwesterly out of Myton, Utah along U.S. Highway 40 - 1.5 miles to the junction of this Highway and Utah State Highway 53, to the South; proceed Southerly along this Highway 1.5 miles more or less, to the intersection of Utah State Highway 53 and Utah State Highway 216, thence proceed Southeasterly along Utah State Highway 216 9.6 miles to the junction of this road and an existing road to the Southwest; proceed Southwesterly along this service road 1.7 miles to the point at which the planned access road (to be discussed in Item #2) leaves the existing road and proceeds in a Northwesterly direction

The Highways mentioned in the foregoing paragraph are bituminous surfaced roads up to the intersection of Utah State Highway 53 and 216, at which point Utah State Highway 216 is constructed out of existing native materials that are prevalent to the existing areas it is located in and ranges from clay to sandy-clay shale materials, as are the aforementioned dirt oil field service roads and other roads in the vicinity.

There is no anticipated construction on any portion of the above described roads. They will meet the necessary standards required to facilitate an orderly flow of traffic during the drilling phase, completion phase, and production phase, of the well. These roads will be maintained at the standards required by the B.L.M. or other controlling agencies.

2. PLANNED ACCESS ROAD

See Topographic Map "B".

The proposed access road leaves the existing service road in the NW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 15, T9S, R16E, S.L.B. & M., and proceeds in a Southeasterly direction for a distance of 900' more or less to the proposed location site.

In order to facilitate the anticipated traffic flow necessary to drill and produce this well, the following standards will be met.

This 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 area of the road will be 1 $\frac{1}{2}$ to 1 slopes and terraced.

The road will be centerline flagged prior to the commencement of construction.

The grade of this road will vary from flat to 8%, but will not exceed this amount. This road will be constructed from native borrow accumulated during construction.

2. PLANNED ACCESS ROAD - cont...

There will be no culverts required along this access road.

If deemed necessary by the local governmental agencies or their representatives, turnouts will be installed for safety purposes every 0.25 miles or on the top of ridges or at intervals and locations that will provide the greatest sight distance. These turnouts will be 200' in length and 10' in width and will be tapered from the shoulder of the road for a distance of 50' in length at both the access and outlet ends.

Since there are no fences along this road, there will be no cattleguards required.

The vegetation along this route consists of sparse amounts of sagebrush, rabbitbrush, some grasses and cacti with large areas that are devoid of vegetation.

3. LOCATION OF EXISTING WELLS

See Topographic Map "B".

There are no known production wells, abandoned wells, temporarily abandoned wells, water wells, disposal wells, drilling wells, shut in wells, injection wells, monitoring or observation wells for other resources within a one mile radius of this location site.

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

There are no DIAMOND SHAMROCK tank batteries, production facilities, oil gathering lines, gas gathering lines, injection lines, or disposal lines within a mile radius of this location site.

In the event that production is established, plans for a flowline from this location to existing lines in the area will be submitted to the proper authorities and the existing area of the location will be utilized for the establishment of the necessary production facilities.

The total area that is needed for the production of this well will be fences and cattleguards will be utilized for access to these facilities.

The area will be built of 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.

4. LOCATION OF EXISTING AND PROPOSED FACILITIES - cont...

If there is any deviation from the above, all appropriate agencies will be notified.

Rehabilitation of disturbed areas no longer needed for operations after construction is completed will meet the requirements of Item #10.

5. LOCATION OF AND TYPE OF WATER SUPPLY

Water to be used for the drilling and production of this well will be hauled by truck from the Duchesne River, at a point where Highway 40 crosses it North of Myton, Utah, approximately 14.8 miles to the Northeast of the proposed location site.

In the event that the above source is not used, other arrangements will be made with the proper authorities for an alternate source.

All regulations and guidelines will be followed and no deviations will be made unless all concerned agencies are notified.

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

6. SOURCES OF CONSTRUCTION MATERIALS

All construction material for this location site and access road shall be borrow materials accumulated during the construction of the location site and access road. No additional road gravels or 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.

The native materials that will be used in the construction of this location site and access road will consist of a sandy-clay soil and sandstone and shale material gathered in actual construction of the road and location.

7. METHODS FOR HANDLING WASTE DISPOSAL

A reserve pit shall be constructed, and at least half of the depth of the reserve pit shall be below the existing ground surface. Non-flammable materials such as cuttings, salts, chemicals, etc., will be buried in the reserve pit and covered with a minimum of four feet of earth material. Prior to the onset of drilling, the reserve pit will be fenced on three sides. Upon completion of drilling, the fourth side of the reserve pit will be fenced and allowed to dry completely before backfilling and reclamation are attempted. A portable toilet will be supplied for human waste.

A trash basket will be provided for flammable materials. Waste will be hauled by truck to the nearest sanitary landfill.

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. District Manager shall be notified before any construction begins on the proposed location site and road.

As mentioned in Item #6, 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.

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. Fences around pits are to be removed upon completion of drilling activities and all waste being contained in the trash basket will be hauled to the nearest sanitary landfill. The reserve pit will be completely fenced and allowed to dry before covering. 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. District Manager when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said cleanup 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 basin that lies between the Book Cliff Mountains to the South and the Uinta Mountains to the North. The area is interlaced with numerous canyons and ridges which are extremely steep with numerous ledges formed in sandstone, conglomerates, and shale deposits.

The majority of the washes and streams in the area are non-perennial streams and flow to the Southeast and are tributaries to the Green River.

The soils of the semi-arid area are of the Uinta Formation and Duchesne River Formation (the Fluvial, Sandstone, Mudstone) from the Eocene and Quaternary Epoch (gravel surfaces) and the visible geologic structures consist of light brownish clay (OL) to sandy soils (SM-ML) with poorly graded gravels and shales with outcrops of rock (sandstone, mudstone, conglomerates, and shales).

Due to the low precipitation average, climatic conditions and the marginal types of soils, the vegetation that is found in the area is common of the semi-arid region we are located in and in the lower elevations of the Uinta Basin. It consists of, as primary flora, areas of sagebrush, rabbitbrush, some grasses, and cacti, and large areas of bare soils devoid of any growth. In the areas that are formed along the edges of perennial streams cottonwoods, willows, tamarack, sagebrush, rabbitbrush, grasses and cacti can be found.

DIAMOND SHAMROCK
Allen Federal #23-6
Section 6, T9S, R17E, S.L.B.& M.

11. OTHER INFORMATION - cont...

The fauna of the area is sparse and consists predominantly of mule deer, coyotes, pronghorn antelope, rabbits, and varieties of small ground squirrels and other types of rodents, and various reptiles common to the area.

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

The area is used by man for the primary purpose of grazing domestic livestock.

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

Allen Federal #23-6 location site sits on a sloping hillside Northwest of Castle Peak Draw which drains into the Green River which is located approximately 14 miles to the East of the location.

The geologic structure of the location is of the Uinta Formation and consists of light brownish-gray clay (SP-CL) with some sandstone outcrops.

The ground slopes for the Northwest through the location to the Southeast at approximately 2% grade.

The location is covered with some sagebrush and grasses.

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

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

Bill Elliott
DIAMOND SHAMROCK
Drawer E
Vernal, Utah 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 road 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 the work associated with the operation proposed herein will be performed by DIAMOND SHAMROCK and its contractors and sub-contractors in conformity with this plan and terms and conditions under which it is approved.

12-29-80
Date

Bill Elliott
Bill Elliott
District Supervisor

United States Department of the Interior
Geological Survey
2000 Administration Bldg.
1745 West 1700 South
Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator Diamond Shamrock
Project Type Gas and Oil Well Drilling (Primary Objective is Oil)
Project Location 1885' FWL 1989' FSL Section 6, T. 9S, R. 17E
Well No. 23-6 Allen Federal Lease No. U-020252-A
Date Project Submitted December 30, 1980

FIELD INSPECTION

Date January 30, 1981

Field Inspection
Participants

| | |
|------------------------|---------------------------|
| <u>Greg Darlington</u> | <u>USGS, Vernal</u> |
| <u>Gary Slagel</u> | <u>BLM, Vernal</u> |
| <u>Bill Elliot</u> | <u>Diamond Shamrock</u> |
| <u>Gene Stewart</u> | <u>Uintah Engineering</u> |

Related Environmental Documents: Unit Resource Analysis, Duchesne
Planning Unit, BLM, Vernal

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

February 3, 1981
Date Prepared

Gregory Darlington
Environmental Scientist

I concur
2/5/81
Date

E. W. Luyman
District Supervisor

Typing In 2-3-81 Typing Out 2-3-81

PROPOSED ACTION:

Diamond Shamrock proposes to drill the Allen Federal 23-6 well, a 5300 foot test of the Evacuation Creek Member and Basal Green River Formations for oil and gas. A 900 foot long new access road with an 18 foot wide driving surface and drainage ditches where needed is proposed. A pad 135 feet by 300 feet and a reserve pit 75 feet by 150 feet are requested for the proposed project. About 1.8 acres of new disturbance would be involved.

RECOMMENDED APPROVAL CONDITIONS:

Drilling should be approved provided the operator agrees to incorporate the following additional measures into the APD and drilling plans for this well:

1. BLM Stipulations
2. Lease Stipulations
3. Adequate logs will be furnished as requested by the Mineral Evaluation Report and Mining Report for the evaluation of other potentially valuable resources such as oil shale.

FIELD NOTES SHEET

Date of Field Inspection: January 30, 1981

Well No.: Allen Field 23-6

Lease No.: U-020252-A

Approve Location:

Approve Access Road:

Modify Location or Access Road: _____

steep hillside with rocky outcrops adjacent to the
backside (SE side) of the pad

Evaluation of Criteria for Categorical Exclusion

1. Public Health and Safety
2. Unique Characteristics
3. Environmentally Controversial Items
4. Uncertain and Unknown Risks
5. Establishes Precedents
6. Cumulatively Significant
7. National Register Historic Places
8. Endangered/Threatened Species
9. Violate Federal, State, Local, or Tribal Laws

If this project is not eligible for Categorical Exclusion circle the numbers of the above criteria requiring the preparation of an EA.

Comments and special conditions of approval discussed at onsite: (include local topography) Generally a pretty good location. Considerable

Rockwork may be involved to level the pad.

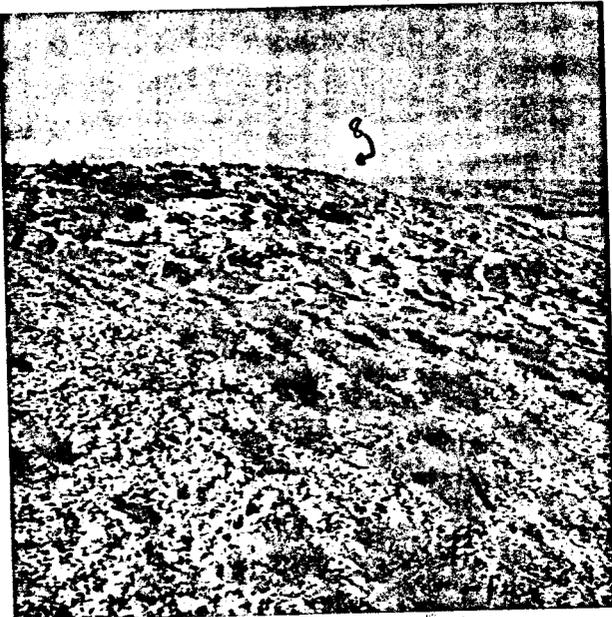
BLM had 13-point plan with layout diagram from Hintak Engineering
Official copy arrived February 4.

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

| Criteria 516 DM 2.3.A | Federal/State Agency | | | Local and private correspondence (date) | Previous NEPA | Other studies and reports | Staff expertise | Onsite inspection (date) | Other |
|--|-------------------------------|--------------------------|-------------------|---|------------------|------------------------------------|--------------------|--------------------------------|-------|
| | Corre- spondence (date) | Phone check (date) | Meeting (date) | | | | | | |
| 1. Public health and safety | | | | | | | 1, 2, 3, 6 | 1-30-81 | |
| 2. Unique charac- teristics | | | | | | | 1, 2, 3, 6 | 1-30 | |
| 3. Environmentally controversial | | | | | | | 1, 2, 3, 6 | 1-30 | |
| 4. Uncertain and unknown risks | | | | | | | 1, 2, 3, 6 | 1-30 | |
| 5. Establishes precedents | | | | | | | 1, 2, 3, 6 | 1-30 | |
| 6. Cumulatively significant | | | | | | | 1, 2, 3, 6 | 1-30 | |
| 7. National Register historic places | | | | | | | 1, 6 | 1-30 | |
| 8. Endangered/ threatened species | | | | | | | 4, 6 | 1-30 | |
| 9. Violate Federal, State, local, tribal law | | | | | | | 1, 2, 3, 6 | 1-30 1-30 | |

CATEGORICAL EXCLUSION REVIEW COMMON REFERENCE LEGEND

1. Surface Management Agency Input
2. Reviews Reports, or information received from Geological Survey (Conservation Division, Geological Division, Water Resource Division, Topographic Division)
3. Lease Stipulations/Terms
4. Application Permit to Drill
5. Operator Correspondence
6. Field Observation
7. Private Rehabilitation Agreement
8. *USGS conditions of approval.*



*Backside of pad
Statesland 8 Allen 23-6
Diamond Shamrock*



*West View of
Allen 23-6
Diamond Shamrock*



United States Department of the Interior

IN REPLY REFER TO

T & R
U-801

BUREAU OF LAND MANAGEMENT
VERNAL DISTRICT OFFICE
170 South 500 East
Vernal, Utah 84078

January 30, 1981

Ed Guynn, District Engineer
USGS, Conservation Division
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

Re: Joint on site Investigation
Diamond Shamrock Corporation
T9S, R17E, Sec. 6
Allen Federal #32-6
Allen Federal #23-6

Dear Mr. Guynn:

On January 30, 1981 a joint on site inspection was made of the above referenced well site locations and proposed access roads by people representing Diamond Shamrock Corporation, USGS, and the BLM. We feel that the surface use and operating plans are adequate with the following stipulations:

1. Construction and maintenance of roads, rehabilitation of disturbed areas, and construction of pipeline routes shall be in accordance with surface use standards as set forth in the booklet, "Surface Operating Standards for Oil and Gas Exploration and Development."
2. 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.
3. Topsoil will be stockpiled as addressed in the applicants 13 point plan. Our office recommends the top 6-10 inches of soil materials be stockpiled.
4. The BLM will be notified at least 24 hours prior to any construction.
5. The BLM will be notified at least 24 hours prior to any rehabilitation.



6. A burn pit will not be constructed. There will be no burying of garbage or trash at the location. All trash must be contained and hauled to an approved disposal site.
7. All permanent (on site for six (6) months duration or longer) structures constructed or installed shall be painted a flat (non-reflective) earth tone color to match Pittsburgh Paints "Moccasin," number M3492. Facilities that are required to comply with O.S.H.A. (Occupational Safety and Health Act) standards are excluded.

An Archaeological clearance has been conducted by Archaeological - Environmental Research Corporation of the proposed drill sites and access roads. No cultural materials were located on the surface of the survey areas.

The proposed activities do not jeopardize listed, threatened or endangered flora/fauna and their habitats.

Sincerely,



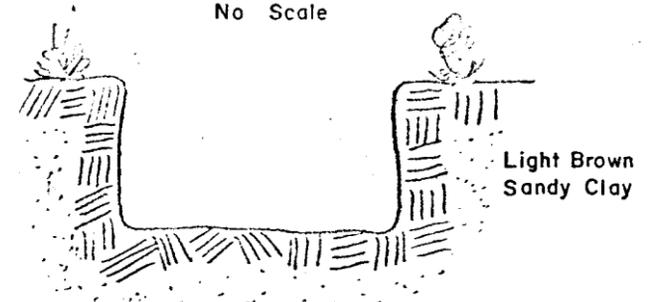
Ralph J. Heft
Area Manager
Diamond Mountain Resource Area

cc: USGS, Vernal

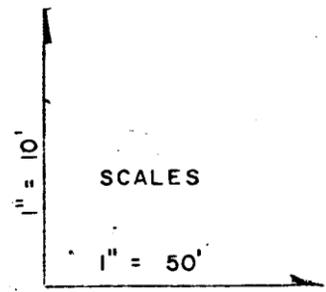
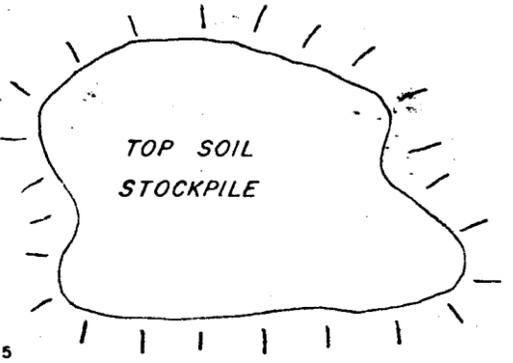
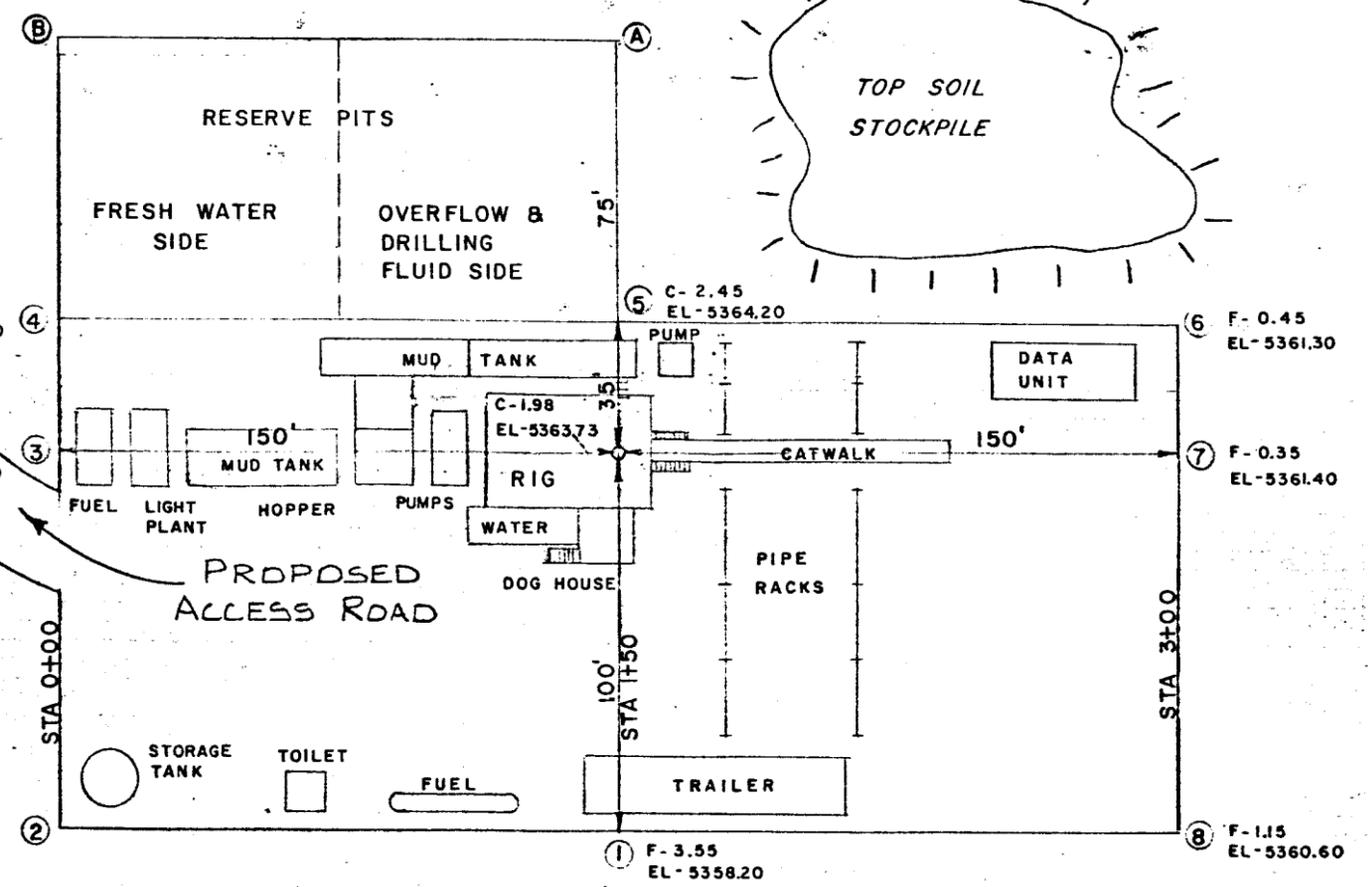
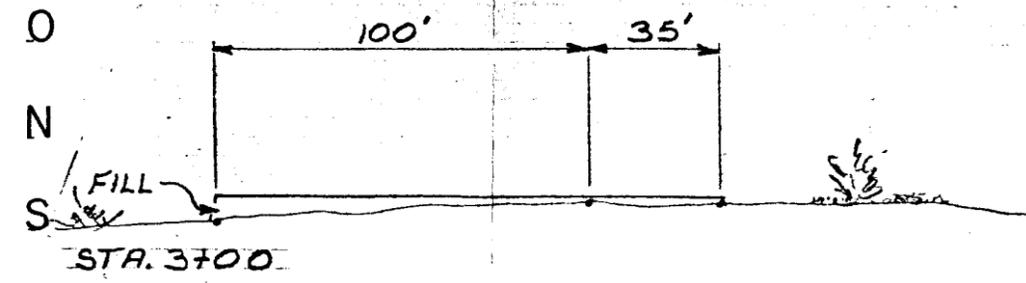
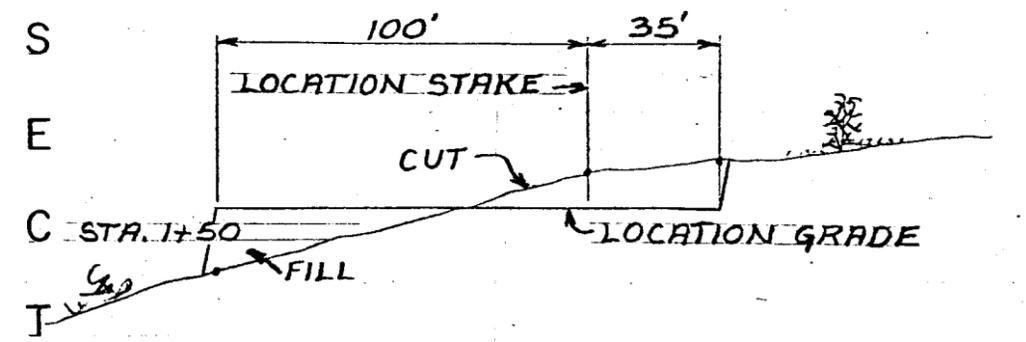
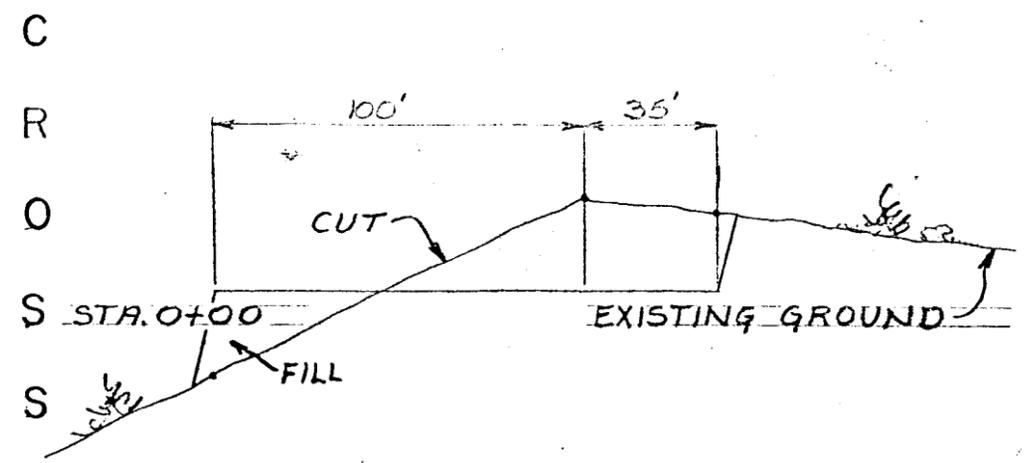
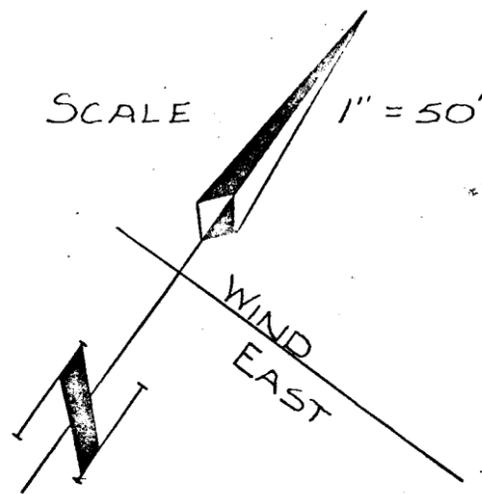
DIAMOND SHAMROCK

ALLEN FEDERAL 23-6

SOILS LITHOLOGY
No Scale



SCALE 1" = 50'



APPROXIMATE YARDAGES
Cubic Yards Cut - 1486
Cubic Yards Fill - 1262

DIAMOND SHAMROCK
PROPOSED LOCATION
ALLEN FED 23-6

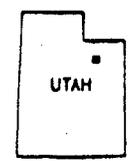
TOPO. MAP "B"



SCALE - 1" = 2000'

ROAD CLASSIFICATION

- Heavy-duty —————
- Medium-duty - - - - -
- Light-duty —————
- Unimproved dirt - - - - -
- U. S. Route □
- State Route ○



QUADRANGLE LOCATION



** FILE NOTATIONS **

DATE: January 2, 1981
OPERATOR: Diamond Shamrock
WELL NO: Allen Federal # 23-6
Location: Sec. 6 T. 9S R. 17E County: Duchesne

File Prepared: Entered on N.I.D:
Card Indexed: Completion Sheet:

API Number 43-013-30558

CHECKED BY:

Petroleum Engineer: M. J. Mundy

Director: OK C-3 Rule

Administrative Aide: C-3 spacing

APPROVAL LETTER:

Bond Required: Survey Plat Required:
Order No. _____ O.K. Rule C-3
Rule C-3(c), Topographic Exception - company owns or controls acreage
within a 660' radius of proposed site
Lease Designation Plotted on Map
Hot Line Approval Letter/Written
P.I.

Unit

January 9, 1981

Diamond Bhamrock
Drawer E
Vernal, Utah 84078

Re: Well No. Allen Federal #23-6
Sec. 6, T. 9S, R. 17E
Duchesne County, Utah

Insofar as this office is concerned, approval to drill the above referred to o/g is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.

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

MICHAEL T. MINDER - Petroleum Engineer
Office: 533-5771
Home: 876-3001

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 43-013-30558.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

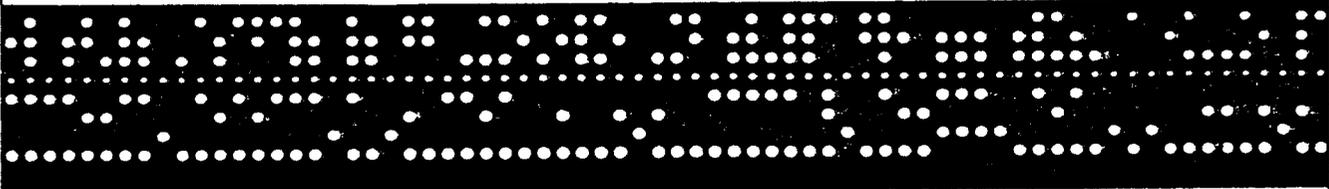
Cleon B. Feight
Director

/ko
cc: USGS

DIVISION OF
OIL, GAS & MINING

JOHNSTON
Schlumberger

**computerized
data
analysis**



COMPANY DIAMOND SHAMROCK CORPORATION
WELL ALLEN FEDERAL #23-6
TEST NO. 2
COUNTY DUCHESENE
STATE UTAH

COMPUTERIZED DATA ANALYSIS

June 2, 1981

Gentlemen:

The enclosed test appears to be a good mechanical drill stem test during which the tools did function properly. The formation produced enough reservoir fluid for proper identification. Reservoir Pressure Drawdown was sufficient and adequate shut-in build-ups did occur for reliable quantitative analysis. Afterflow was still in effect on the initial shut-in build-up to the extent that the plot is considered unreliable for analysis. Reservoir parameters were calculated by the McKinley Method.

1. Flow Rate: A flow rate of 11 BBL/DAY of oil was noted during this test.
2. Reservoir Pressure: Maximum Reservoir Pressure was estimated to be 1834 p.s.i.g. at recorder depth using a .433 psi/ft gradient.
3. Permeability: The calculated transmissibility factor of 2.89 md.ft./cp. indicates an average effective permeability to oil of .07 md. for the reported 20 foot net interval. The calculations were based on a McKinley slope of 13130 p.s.i./log cycle obtained from the final shut-in build-up plot. It was assumed for these calculations: (A) The 25^oapi at 60^oF. oil contained 159 cu.ft./bbl. of original dissolved gas, (B) Viscosity 9.5 cp., (C) Formation volume factor 1.077 BBL/BBL. These figures were obtained from the available technical literature.
4. Wellbore Damage: The calculated Damage Ratio of .07 indicates that a stimulated wellbore is present at the time and conditions of this test.
5. Radius of Investigation: The calculated Radius of Investigation of this test is 4 feet based on an assumed porosity of 10%, compressibility of 6.5×10^{-6} , and other assumptions made in number 3 above.
6. General Comments: The formation exhibits the characteristics of relatively low permeability effective to the reservoir fluid and indicates the absence of wellbore damage.

D. J. Simper
D. J. Simper
Houston Reservoir
Evaluation Department

Diamond Shamrock Corporation
Allen Federal #23-6; Duchesne County, Utah
Test #2; 4264' to 4317'
Location: Sec. 6 - T9S - R17E

Field Report # 34157 E

In making any interpretation, our employees will give Customer the benefit of their best judgment as to the correct interpretation. Nevertheless, since all interpretations are opinions based on inferences from electrical, mechanical or other measurements, we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not be liable or responsible, except in the case of gross or wilful negligence on our part, for any loss, costs, damages or expenses incurred or sustained by Customer resulting from any interpretation made by any of our agents or employees.



Reservoir Engineering Data

Recorder No. J-1637

Field Report No. 34157 E

| | | | | | | |
|---|-------|---------------------|-----------------------------------|--------------------|------|----------------------|
| Damage Ratio | DR | .07 | Effective Transmissibility To Oil | $\frac{Kh}{\mu B}$ | 2.89 | $\frac{Md-ft.}{Cp.}$ |
| Maximum Reservoir Pressure Estimated | P_o | 1834 P.S.I.G. | Effective Transmissibility | $\frac{Kh}{\mu B}$ | - | $\frac{Md-ft.}{Cp.}$ |
| Slope of Shut-in Curve Calculated | M | 13130 PSI/log cycle | Flow Rate | Q | 11 | Bbl./day |
| Potentiometric Surface (Datum Plane, Sea Level) | PS | 5377 ft. | Pressure Gradient Estimated | | .433 | PSI. ft. |
| Productivity Index | PI | - Bbl./day/PSI | Gas Oil Ratio M.F.E. Sampler | GOR | 159 | CF/Bbl. |
| Radius of Investigation | | 4 ft. | K (Effective to Oil) | | .07 | Md. |

Assumptions made for Calculations for Liquid Recoveries

1. Q is averaged at a constant rate.
2. P_f is formation flowing pressure at a constant rate.
3. Formation flow is taken as single phase flow.
If gas is produced at surface, phase separation is assumed to have occurred in drill pipe.
4. Radial flow is assumed.
5. For the purpose of calculating EDR where specific reservoir parameters are not available it is assumed that:

| | |
|--|------------------------|
| Effective permeability, K, will fall between | 1 to 200 md |
| Formation porosity, ϕ , will fall between | 0.1 to 0.3 |
| Fluid compressibility, c, will fall between | 10^{-4} to 10^{-2} |
| Fluid viscosity, μ , will fall between | 0.05 to 50 cp. |
| Well bore radius, r_w , will fall between..... | 3" to 4 1/2" |

Which gives an average value for the function $\log \frac{K}{\phi \mu c r_w^2}$ of 5.5

6. Other standard radial flow, equilibrium assumptions.

Empirical Equations:

1. $EDR = \frac{P_o - P_f}{M(\log T + 2.65)}$ where $M = \frac{P_i - P_{i0}}{\text{Log Cycle}}$
2. Transmissibility $\frac{Kh}{\mu B} = \frac{162.6 Q}{M}$
3. $DST J = \frac{Q}{P_o - P_f}$ Theoretical $J = \frac{7.08 \times 10^{-1} Kh}{\mu \beta \ln (r_e/r_w)}$ Assumed $\ln (r_e/r_w) = 7.60$
4. P.S. = $[P_o \times 2.309 \text{ ft./PSI}] - [\text{Recorder depth to sea level.}]$
5. Radius of investigation, $r_i = \sqrt{\frac{Kt}{40\phi\mu c}}$ where t = time in days

In making any interpretation, our employees will give Customer the benefit of their best judgment as to the correct interpretation. Nevertheless, since all interpretations are opinions based on inferences from electrical, mechanical or other measurements, we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not be liable or responsible, except in the case of gross or wilful negligence on our part, for any loss, costs, damages or expenses incurred or sustained by Customer resulting from any interpretation made by any of our agents or employees.

ΔT (MIN)

0.2 0.3 0.4 0.6 0.8 1.2 1.9 3.2 5.8 14 ∞

HORNER PLOT

FIELD REPORT NO. 34157E

INSTRUMENT:

NUMBER: J-1637
CAPACITY: 4700 PSI
DEPTH: 4235 FT

SHUT-IN #1:

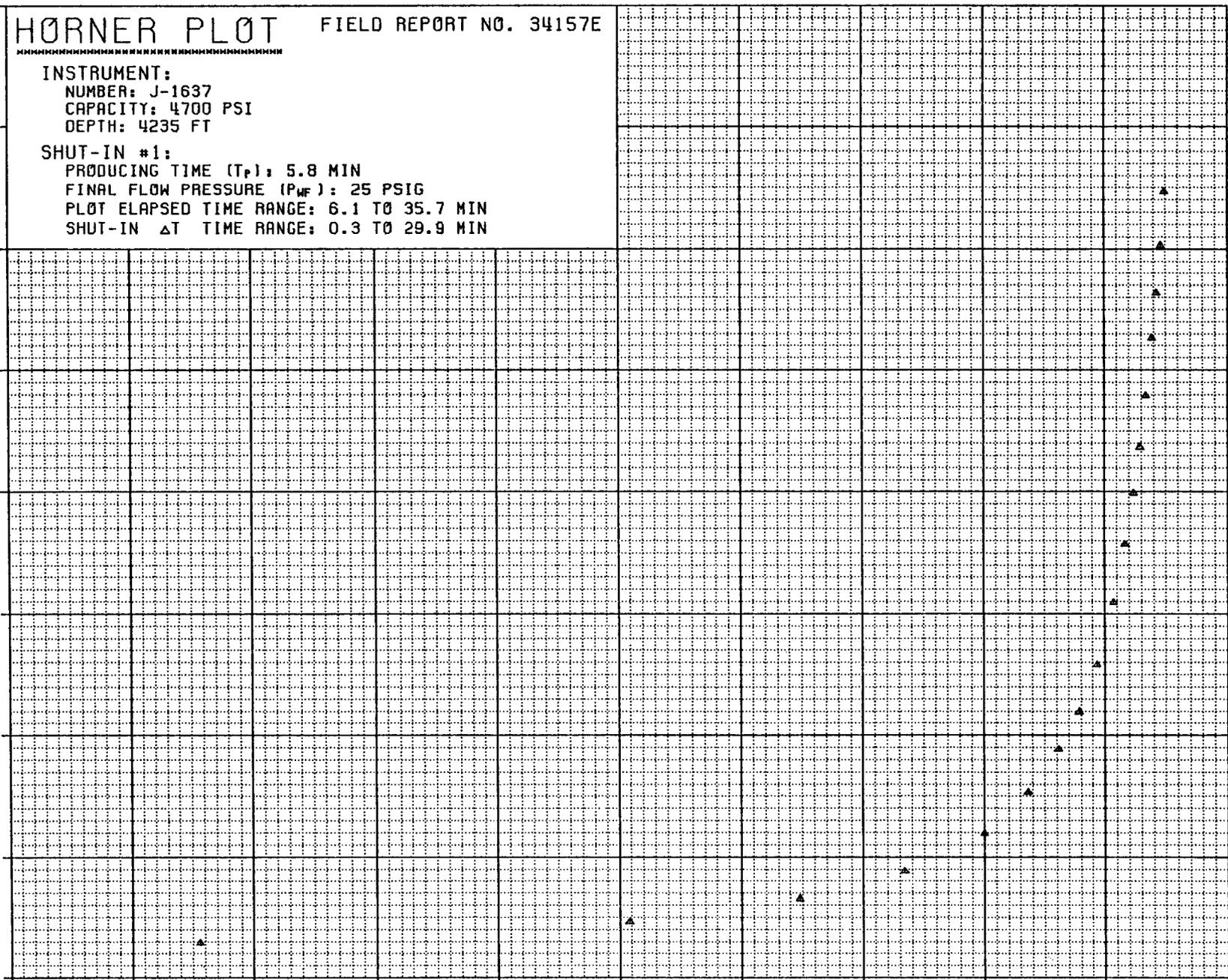
PRODUCING TIME (T_p): 5.8 MIN
FINAL FLOW PRESSURE (P_{wf}): 25 PSIG
PLOT ELAPSED TIME RANGE: 6.1 TO 35.7 MIN
SHUT-IN ΔT TIME RANGE: 0.3 TO 29.9 MIN

SHUT-IN PRESSURE (PSIG)

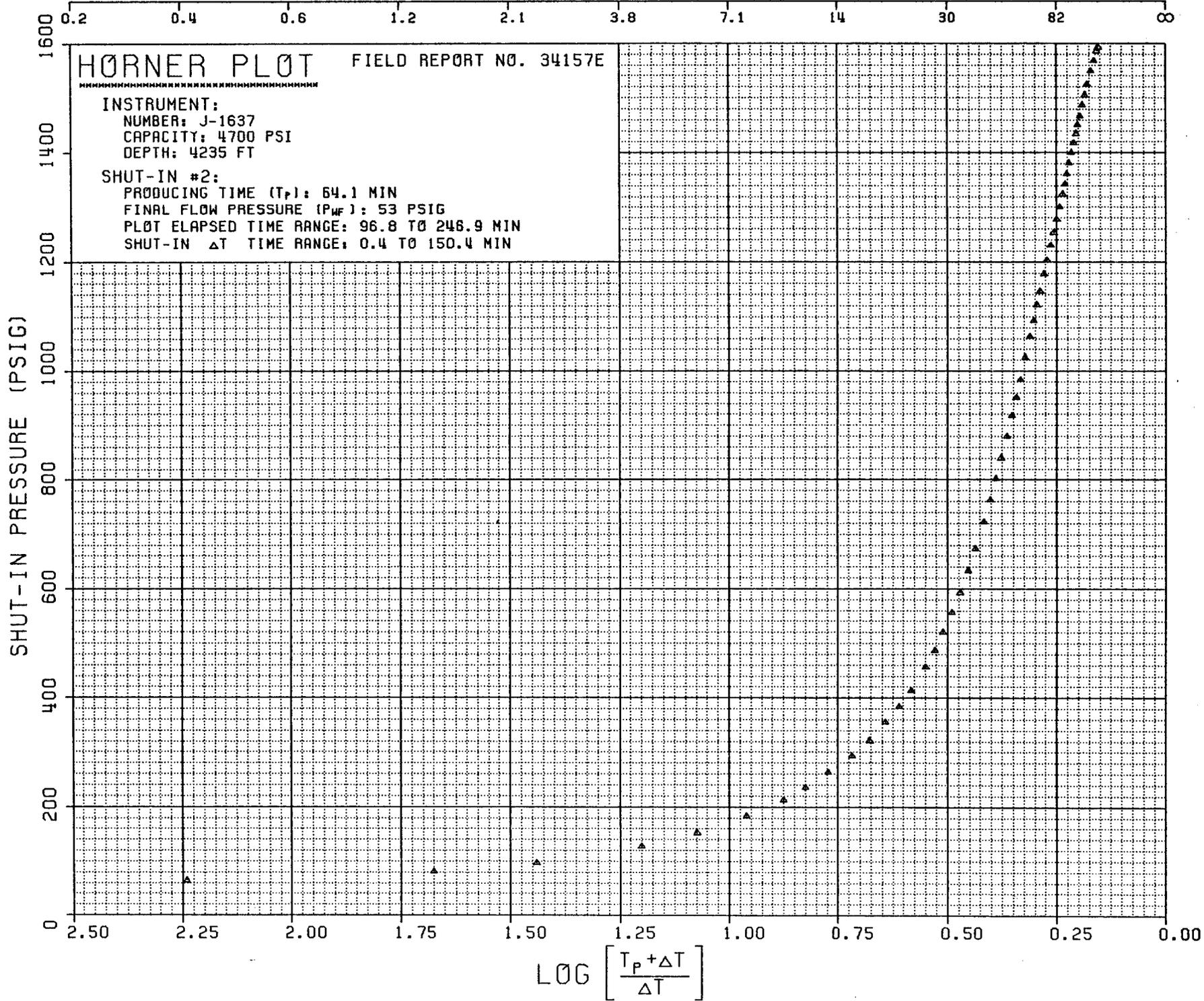
800
700
600
500
400
300
200
100
0

1.50 1.35 1.20 1.05 0.90 0.75 0.60 0.45 0.30 0.15 0.00

$$\text{LOG} \left[\frac{T_p + \Delta T}{\Delta T} \right]$$



ΔT (MIN)



FIELD REPORT NO. 34157E

INSTRUMENT:

NUMBER: J-1637

CAPACITY: 4700 PSI

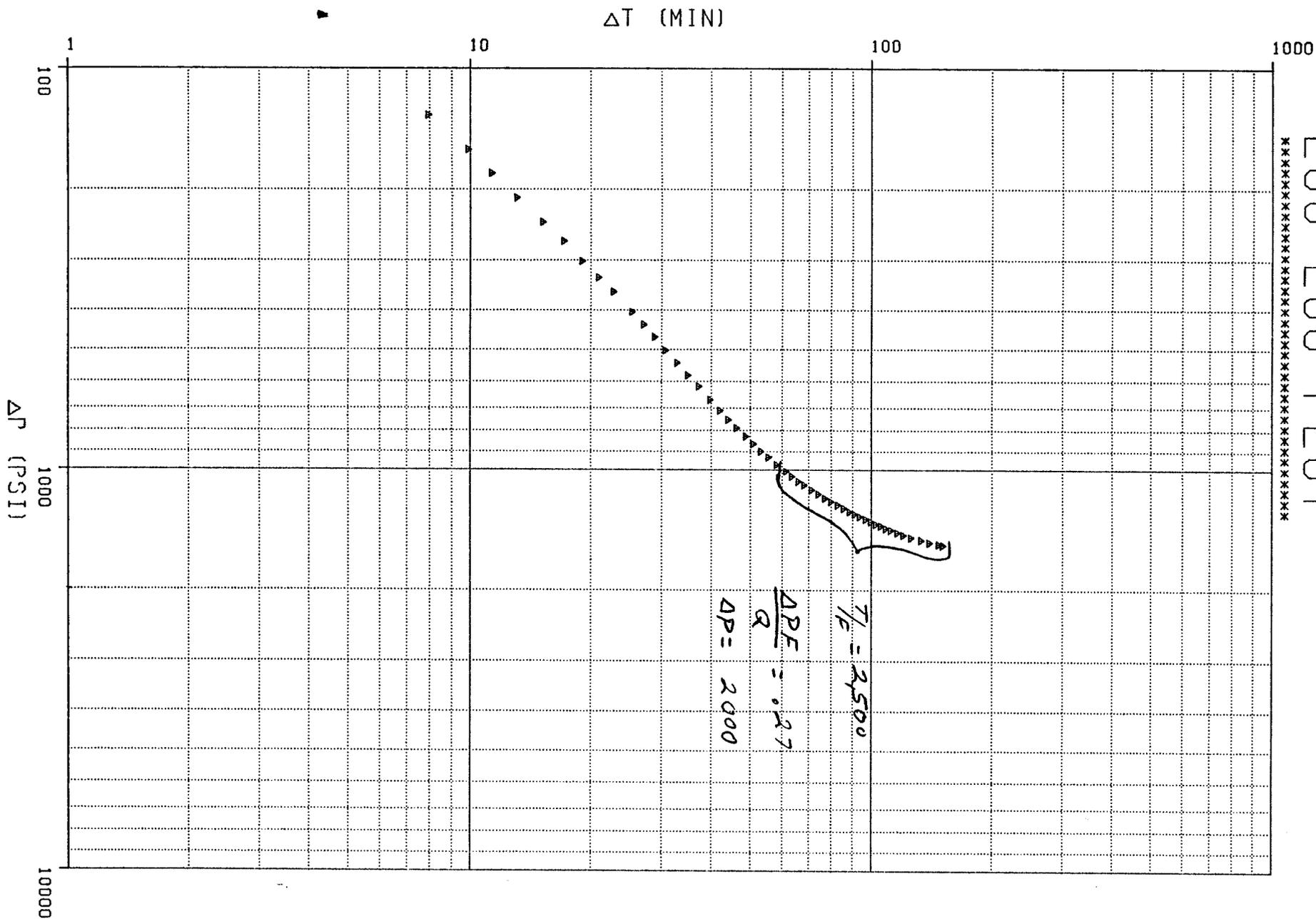
DEPTH: 4235 FT

SHUT-IN #2:

FINAL FLOW PRESSURE (P_{WF}): 53 PSIG

PLOT ELAPSED TIME RANGE: 104.3 TO 246.9 MIN

SHUT-IN ΔT TIME RANGE: 7.9 TO 150.4 MIN



----- WELL IDENTIFICATION -----

| | | | |
|----------------|---|-------------------|---------------------------|
| COMPANY: | DIAMOND SHAMROCK CORPORATION 410-17TH ST.; STE. 600 DENVER, CO. 80202 | CUSTOMER: | SAME |
| WELL: | ALLEN FEDERAL #23-6 | LOCATION: | SEC. 6 - T9S - R17E |
| TEST INTERVAL: | 4264' TO 4317' | FIELD: | MONUMENT BUTTE (WILD CAT) |
| TEST NO: | 2 | TEST DATE: | 5-21-81 |
| COUNTY: | DUCHESNE | STATE: | UTAH |
| TECHNICIAN: | SLEZAK (VERNAL) | TEST APPROVED BY: | - |

----- EQUIPMENT AND HOLE DATA -----

| | | | | |
|------------------------|------------------|----------------------|---------------|-----|
| TEST TYPE: | M.F.E. OPEN HOLE | DRILL PIPE LENGTH: | 3635 | FT. |
| ELEVATION: | 5377 K.B. | DRILL PIPE I.D.: | 3.825 | IN. |
| TOTAL DEPTH: | 4317 | DRILL COLLAR LENGTH: | 586 | FT. |
| MAIN HOLE/CASING SIZE: | 7 7/8 | DRILL COLLAR I.D.: | 2.25 | IN. |
| RAT HOLE/LINER SIZE: | - | PACKER DEPTHS: | 4258 & 4264 | FT. |
| FORMATION TESTED: | GREEN RIVER | | & | FT. |
| NET PROD. INTERVAL: | 20 | DEPTHS REF. TO: | KELLY BUSHING | FT. |
| POROSITY: | 10 | | | % |

----- TEST TOOL CHAMBER DATA -----

| | | |
|------------------------|---------|-----------|
| SAMPLER PRESSURE: | 30 | PSIG |
| RECOVERED OIL GRAVITY: | - API @ | - DEG. F. |
| RECOVERY GOR: | 159 | FT3/BBL. |

SAMPLE CHAMBER CONTENTS

| FLUID | VOLUME | RESIST. (OHM-M) | MEAS. TEMP. (DEG F.) | CHLOR. (PPM) |
|---------------|----------|--------------------|----------------------------|-----------------|
| GAS: | 0.8 FT.3 | | | |
| OIL: | 800 CC | | | |
| WATER: | - CC | | | |
| MUD: | 100 CC | 5.0 | 65 | |
| FILTRATE: | | 5.2 | 65 | 10000 |
| TOTAL LIQUID: | 900 CC | | | |

----- MUD DATA -----

| | |
|-------------|---|
| TYPE: | L.S.N.D. |
| WEIGHT: | 8.9 LB/GAL. |
| VISCOSITY: | 35 SEC. |
| WATER LOSS: | 11.2 CC |
| FLUID | RESIST (OHM-M) TEMP (DEG F) CHLOR (PPM) |
| MUD: | 5.0 65 |
| FILTRATE: | 5.1 60 10000 |

----- REMARKS -----

NO. OF REPORTS REQUESTED: 8 (4X)

FIELD REPORT NO. 34157 E

----- SURFACE INFORMATION -----

| DESCRIPTION(RATE OF FLOW) | TIME | PRESSURE PSIG | SURFACE CHOKE |
|---|------|------------------|------------------|
| SET PACKER (5-21-81) | 2025 | - | 1/8" |
| OPENED TOOL, BLOW, 1" IN WATER | 2030 | - | " |
| BLOW, 3" IN WATER | 2031 | - | " |
| CLOSED FOR INITIAL SHUT-IN | 2035 | - | " |
| FINISHED SHUT-IN | 2105 | - | " |
| RE-OPENED TOOL, BLOW OFF BOTTOM OF BUCKET | 2107 | - | " |
| | 2115 | 1.5 | CLOSED |
| | 2125 | 2 | " |
| | 2135 | 2.5 | " |
| | 2140 | 2.75 | " |
| | 2145 | 3 | " |
| | 2200 | 3.5 | " |
| CLOSED FOR FINAL SHUT-IN | 2207 | - | " |
| FINISHED SHUT-IN (5-22-81) | 0037 | - | " |
| PULLED PACKER LOOSE | 0038 | - | " |

| | | | |
|---------------|----|------|------------------------|
| CUSHION TYPE: | FT | PSIG | 11/16 IN. BOTTOM CHOKE |
|---------------|----|------|------------------------|

----- RECOVERY INFORMATION -----

| RECOVERY | FEET | BARRELS | %OIL | %WATER | %OTHERS | API GRAV. | DEG. | RESIST | DEG. | CHL PPM |
|----------------------|------|---------|------|--------|---------|--------------|------|--------|------|------------|
| SLIGHTLY MUD CUT OIL | 95 | .47 | | | | | | | | |

FIELD REPORT NO. 34157E

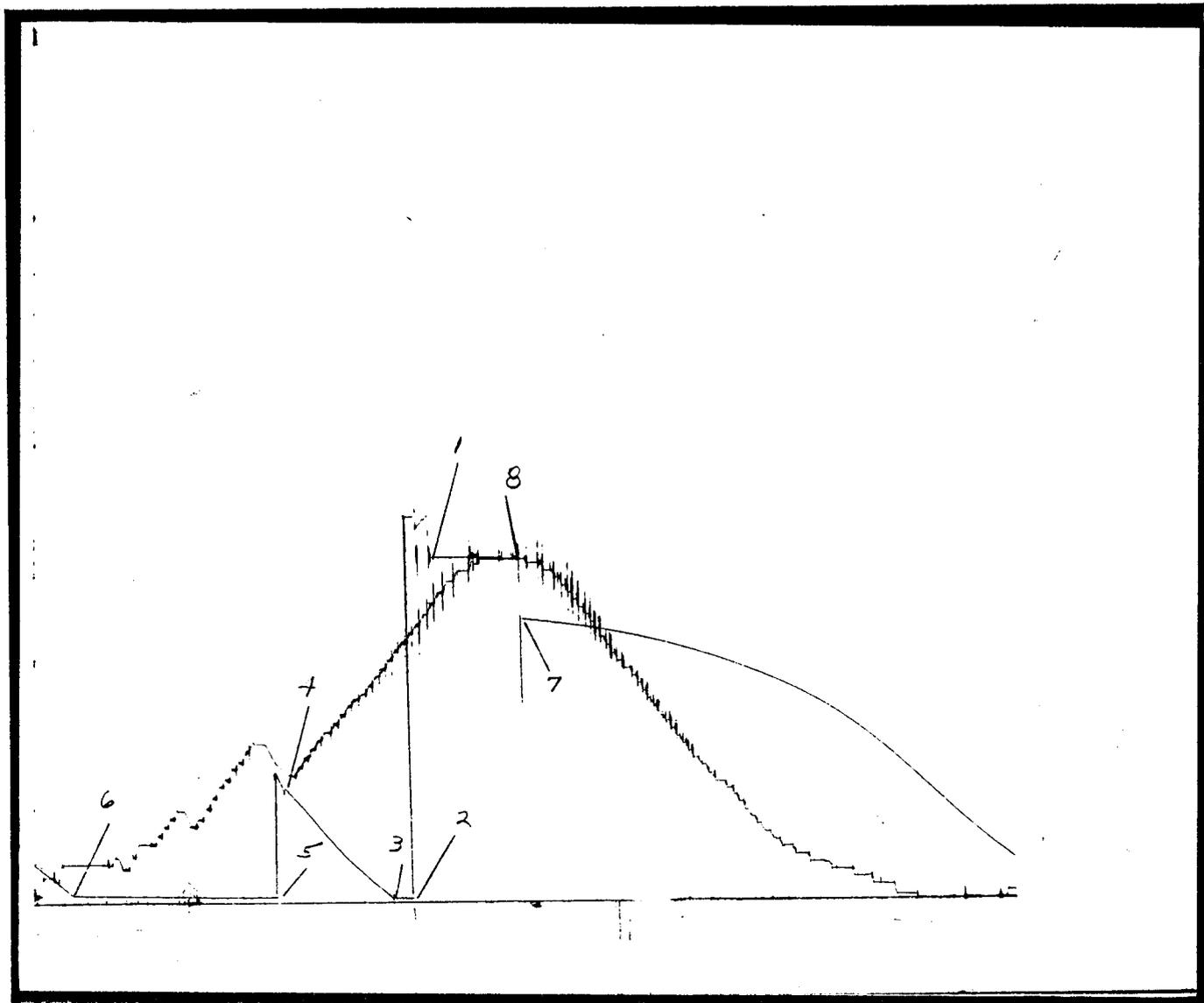
FIELD REPORT NO.: 34157 E

CAPACITY: 4700#

JOHNSTON
Schlumberger

INSTRUMENT NO.: J-1637

NUMBER OF REPORTS: 8



PRESSURE LOG

FIELD REPORT NO. 34157E

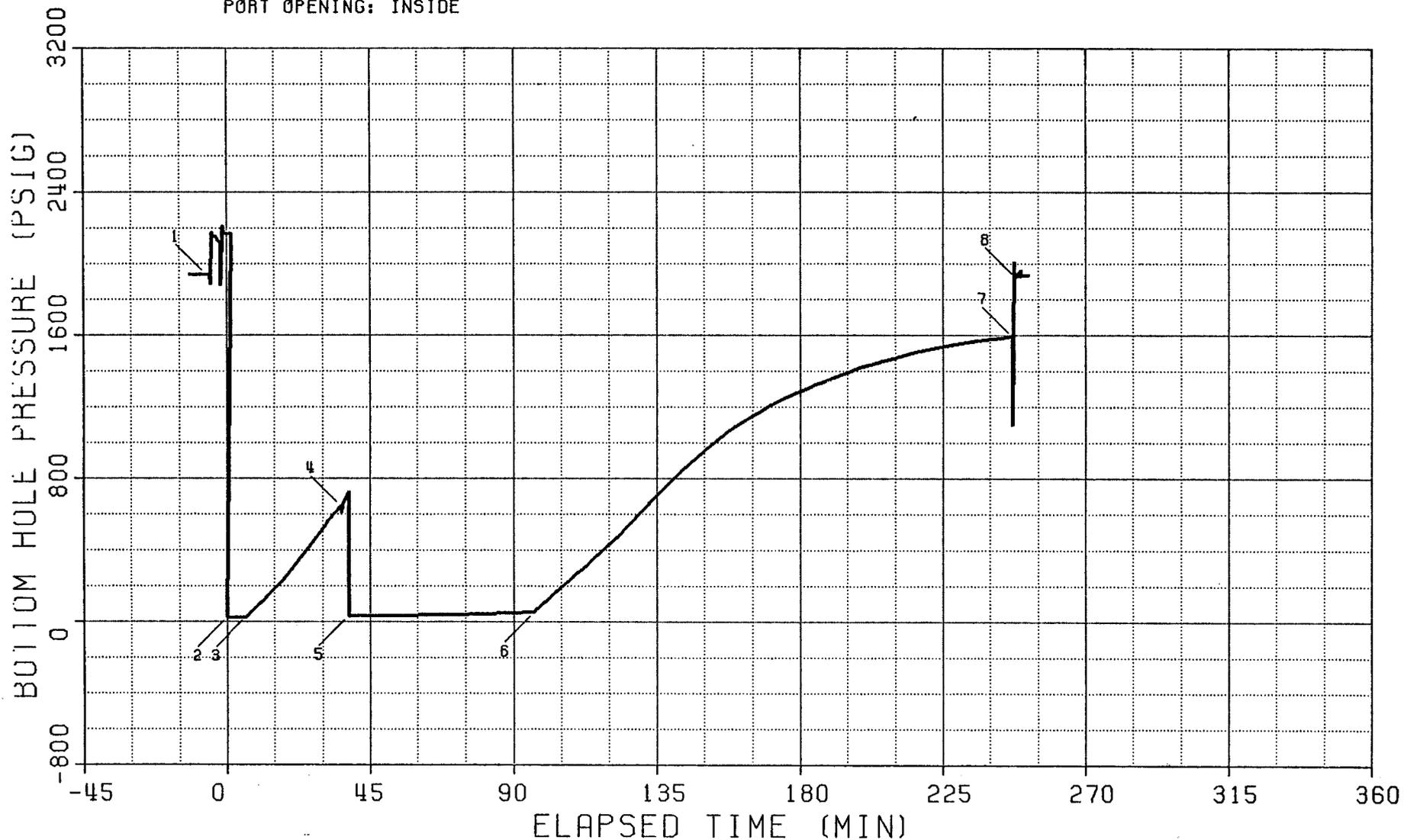
INSTRUMENT:

NUMBER: J-1637

CAPACITY: 4700 PSI

DEPTH: 4235 FT

PORT OPENING: INSIDE



BOTTOM HOLE PRESSURE AND TIME DATA

INSTRUMENT NO.: J-1637
 PORT OPENING: INSIDE

CAPACITY (PSI): 4700
 BOTTOM HOLE TEMP (F): 112

DEPTH (FT): 4235
 PAGE 1

| EXPLANATION | LABELED POINT | PRESSURE (PSIG) | ELAPSED TIME (MIN) |
|--------------------------|---------------|-----------------|--------------------|
| HYDROSTATIC MUD | 1 | 1941 | -6.7 |
| START FLOW | 2 | 25 | 0.0 |
| END FLOW & START SHUT-IN | 3 | 25 | 5.8 |
| END SHUT-IN | 4 | 646 | 35.7 |
| START FLOW | 5 | 34 | 38.1 |
| END FLOW & START SHUT-IN | 6 | 53 | 96.4 |
| END SHUT-IN | 7 | 1593 | 246.9 |
| HYDROSTATIC MUD | 8 | 1924 | 247.8 |

 * SUMMARY OF FLOW PERIODS *

| FLOW PERIOD | ELAPSED TIME AT START (MIN) | ELAPSED TIME AT END (MIN) | DURATION OF FLOW (MIN) | PRESSURE AT START (PSIG) | PRESSURE AT END (PSIG) |
|-------------|-----------------------------|---------------------------|------------------------|--------------------------|------------------------|
| 1 | 0.0 | 5.8 | 5.8 | 25 | 25 |
| 2 | 38.1 | 96.4 | 58.3 | 34 | 53 |

 * SUMMARY OF SHUT-IN PERIODS *

| SHUT-IN PERIOD | ELAPSED TIME AT START (MIN) | ELAPSED TIME AT END (MIN) | DURATION OF SHUT-IN (MIN) | PRESSURE AT START (PSIG) | PRESSURE AT END (PSIG) | FINAL FLOW PRESSURE (PSIG) | PRODUCING TIME (MIN) |
|----------------|-----------------------------|---------------------------|---------------------------|--------------------------|------------------------|----------------------------|----------------------|
| 1 | 5.8 | 35.7 | 29.9 | 25 | 646 | 25 | 5.8 |
| 2 | 96.4 | 246.9 | 150.4 | 53 | 1593 | 53 | 64.1 |

FIELD REPORT NO. 34157E
INSTRUMENT NO. J-1637TEST PHASE : FLOW PERIOD # 1

| ELAPSED TIME (MIN) | DELTA TIME (MIN) | FLOWING PRESSURE (PSIG) |
|-----------------------|---------------------|----------------------------|
| 0.0 | 0.0 | 25 |
| 5.0 | 5.0 | 25 |
| 5.8 | 5.8 | 25 |

TEST PHASE : SHUT-IN PERIOD # 1

1. FINAL FLOW PRESSURE ["P_{WF} "] = 25 PSIG
2. PRODUCING TIME ["T_P "] = 5.8 MIN

| ELAPSED TIME (MIN) | DELTA TIME ["DT"] (MIN) | SHUT-IN PRESSURE ["P _{WS} "] (PSIG) | LOG [(T +DT)/DT] P | DELTA PRESSURE [P _{WS} - P _{WF}] |
|-----------------------|----------------------------|---|-----------------------|--|
| 5.8 | 0.0 | 25 | | 0 |
| 6.8 | 1.0 | 41 | 0.831 | 16 |
| 7.8 | 2.0 | 58 | 0.589 | 33 |
| 8.8 | 3.0 | 75 | 0.466 | 50 |
| 9.8 | 4.0 | 91 | 0.388 | 66 |
| 10.8 | 5.0 | 107 | 0.333 | 82 |
| 11.8 | 6.0 | 123 | 0.293 | 98 |
| 12.8 | 7.0 | 142 | 0.261 | 117 |
| 13.8 | 8.0 | 162 | 0.236 | 137 |
| 14.8 | 9.0 | 181 | 0.215 | 156 |
| 15.8 | 10.0 | 200 | 0.198 | 175 |
| 17.8 | 12.0 | 238 | 0.171 | 213 |
| 19.8 | 14.0 | 281 | 0.150 | 256 |
| 21.8 | 16.0 | 326 | 0.134 | 301 |
| 23.8 | 18.0 | 373 | 0.121 | 348 |
| 25.8 | 20.0 | 419 | 0.110 | 394 |
| 27.8 | 22.0 | 467 | 0.101 | 442 |
| 29.8 | 24.0 | 514 | 0.094 | 489 |
| 31.8 | 26.0 | 561 | 0.087 | 536 |
| 33.8 | 28.0 | 602 | 0.081 | 577 |
| 35.7 | 29.9 | 646 | 0.077 | 622 |

TEST PHASE : FLOW PERIOD # 2

| ELAPSED TIME (MIN) | DELTA TIME (MIN) | FLOWING PRESSURE (PSIG) |
|-----------------------|---------------------|----------------------------|
| ***** | ***** | ***** |
| 38.1 | 0.0 | 34 |
| 43.1 | 5.0 | 33 |
| 48.1 | 10.0 | 34 |
| 53.1 | 15.0 | 35 |
| 58.1 | 20.0 | 36 |
| 63.1 | 25.0 | 39 |
| 68.1 | 30.0 | 41 |
| 73.1 | 35.0 | 43 |
| 78.1 | 40.0 | 44 |
| 83.1 | 45.0 | 46 |
| 88.1 | 50.0 | 47 |
| 93.1 | 55.0 | 51 |
| 96.4 | 58.3 | 53 |

TEST PHASE : SHUT-IN PERIOD # 2

1. FINAL FLOW PRESSURE ["P "] = 53 PSIG
2. PRODUCING TIME ["T "]_P = 64.1 MIN^{WF}

| ELAPSED TIME (MIN) | DELTA TIME ["DT"] (MIN) | SHUT-IN PRESSURE ["P "] (PSIG) | LOG [(T +DT)/DT] P | DELTA PRESSURE [P - P] WS WF |
|-----------------------|----------------------------|-----------------------------------|-----------------------|-------------------------------------|
| ***** | ***** | ***** | ***** | ***** |
| 96.4 | 0.0 | 53 | | 0 |
| 97.4 | 1.0 | 74 | 1.813 | 21 |
| 98.4 | 2.0 | 91 | 1.519 | 37 |
| 99.4 | 3.0 | 107 | 1.349 | 53 |
| 100.4 | 4.0 | 122 | 1.231 | 69 |
| 101.4 | 5.0 | 138 | 1.140 | 85 |
| 102.4 | 6.0 | 154 | 1.067 | 101 |
| 103.4 | 7.0 | 170 | 1.006 | 116 |
| 104.4 | 8.0 | 186 | 0.955 | 132 |
| 105.4 | 9.0 | 200 | 0.909 | 147 |
| 106.4 | 10.0 | 215 | 0.870 | 162 |
| 108.4 | 12.0 | 247 | 0.802 | 193 |
| 110.4 | 14.0 | 277 | 0.746 | 224 |
| 112.4 | 16.0 | 307 | 0.699 | 253 |
| 114.4 | 18.0 | 339 | 0.659 | 285 |
| 116.4 | 20.0 | 372 | 0.624 | 318 |
| 118.4 | 22.0 | 402 | 0.592 | 349 |
| 120.4 | 24.0 | 436 | 0.565 | 382 |
| 122.4 | 26.0 | 471 | 0.540 | 417 |
| 124.4 | 28.0 | 507 | 0.517 | 454 |
| 126.4 | 30.0 | 546 | 0.496 | 492 |

TEST PHASE : SHUT-IN PERIOD # 2

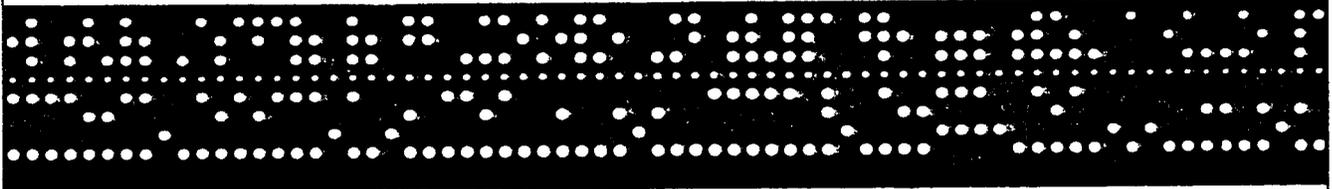
1. FINAL FLOW PRESSURE ["P_{WF} "] = 53 PSIG
2. PRODUCING TIME ["T_P "] = 64.1 MIN

| ELAPSED TIME (MIN) ***** | DELTA TIME ["DT"] (MIN) ***** | SHUT-IN PRESSURE ["P _{WS} "] (PSIG) ***** | LOG [(T +DT)/DT] P ***** | DELTA PRESSURE [P _{WS} - P _{WF}] ***** |
|--------------------------------|-------------------------------------|--|--------------------------------|---|
| 131.4 | 35.0 | 637 | 0.452 | 583 |
| 136.4 | 40.0 | 729 | 0.415 | 675 |
| 141.4 | 45.0 | 818 | 0.384 | 765 |
| 146.4 | 50.0 | 901 | 0.358 | 848 |
| 151.4 | 55.0 | 978 | 0.335 | 925 |
| 156.4 | 60.0 | 1049 | 0.315 | 995 |
| 161.4 | 65.0 | 1111 | 0.298 | 1057 |
| 166.4 | 70.0 | 1164 | 0.282 | 1111 |
| 171.4 | 75.0 | 1214 | 0.268 | 1161 |
| 176.4 | 80.0 | 1258 | 0.255 | 1204 |
| 181.4 | 85.0 | 1299 | 0.244 | 1245 |
| 186.4 | 90.0 | 1336 | 0.233 | 1282 |
| 191.4 | 95.0 | 1370 | 0.224 | 1317 |
| 196.4 | 100.0 | 1403 | 0.215 | 1349 |
| 201.4 | 105.0 | 1431 | 0.207 | 1377 |
| 206.4 | 110.0 | 1458 | 0.199 | 1404 |
| 211.4 | 115.0 | 1482 | 0.192 | 1429 |
| 216.4 | 120.0 | 1505 | 0.186 | 1452 |
| 221.4 | 125.0 | 1524 | 0.180 | 1470 |
| 226.4 | 130.0 | 1541 | 0.174 | 1487 |
| 231.4 | 135.0 | 1556 | 0.169 | 1502 |
| 236.4 | 140.0 | 1569 | 0.164 | 1516 |
| 241.4 | 145.0 | 1582 | 0.159 | 1528 |
| 246.4 | 150.0 | 1592 | 0.154 | 1539 |
| 246.9 | 150.4 | 1593 | 0.154 | 1540 |

1301
OF
& MINING

JOHNSTON
Schlumberger

**computerized
data
analysis**



COMPANY DIAMOND SHAMROCK CORPORATION WELL ALLEN FEDERAL #23-6 TEST NO. 1 COUNTY DUCHESE STATE UTAH

COMPUTERIZED DATA ANALYSIS

May 25, 1981

Gentlemen:

The enclosed test appears to be a good mechanical drill stem test during which the tools did function properly. The formation produced enough reservoir fluid for proper identification. Reservoir Pressure Drawdown was sufficient and adequate shut-in build-ups did occur for reliable quantitative analysis. Afterflow was still in effect on the initial shut-in build-up to the extent that the plot is considered unreliable for analysis. Reservoir parameters were calculated by the McKinley Method.

1. Flow Rate: A flow rate of 39 BBL/DAY of liquid (mud with traces of oil) was noted during this test.
2. Reservoir Pressure: Maximum Reservoir Pressure was estimated to be 1271 p.s.i.g. at recorder depth using a .433 psi/ft gradient.
3. Permeability: The calculated transmissibility factor of 3.51 md.-ft./cp. indicates an average effective permeability to liquid of .07 md. for the reported 35 foot net interval. The calculations were based on a McKinley slope of 1925 p.s.i./log cycle obtained from the final shut-in build-up plot. It was assumed for these calculations: (A) Viscosity .74 cp., (B) Formation volume factor 1.004 BBL/BBL. These figures were obtained from the available technical literature.
4. Wellbore Damage: The calculated Damage Ratio of .18 indicates that a stimulated wellbore is present at the time and conditions of this test.
5. Radius of Investigation: The calculated Radius of Investigation of this test is 16 feet based on an assumed porosity of 15%, compressibility of 3.1×10^{-6} , and other assumptions made in number 3 above.
6. General Comments: The formation exhibits the characteristics of relatively low permeability effective to the reservoir fluid and indicates the absence of wellbore damage.

D. J. Simper
D. J. Simper
Houston Reservoir
Evaluation Department

Diamond Shamrock Corporation
Allen Federal #23-6; Duchesne County, Utah
Test #1; 2930' to 2986'
Location: Sec. 6 - T9S - R17E

Field Report # 30529 D

In making any interpretation, our employees will give Customer the benefit of their best judgment as to the correct interpretation. Nevertheless, since all interpretations are opinions based on inferences from electrical, mechanical or other measurements, we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not be liable or responsible, except in the case of gross or wilful negligence on our part, for any loss, costs, damages or expenses incurred or sustained by Customer resulting from any interpretation made by any of our agents or employees.

Reservoir Engineering Data



Recorder No. J-1043

Field Report No. 30529 D

| | | | | | | |
|---|-------|--------------------|--------------------------------------|--------------------|------|----------------------|
| Damage Ratio | DR | .18 | Effective Transmissibility To Liquid | $\frac{Kh}{\mu B}$ | 3.51 | $\frac{Md-ft.}{Cp.}$ |
| Maximum Reservoir Pressure Estimated | P_o | 1271 P.S.I.G. | Effective Transmissability | $\frac{Kh}{\mu B}$ | - | $\frac{Md-ft.}{Cp.}$ |
| Slope of Shut-in Curve Calculated | M | 1925 PSI/log cycle | Flow Rate | Q | 39 | Bbl./day |
| Potentiometric Surface (Datum Plane, Sea Level) | PS | 5377 ft. | Pressure Gradient Estimated | | .433 | PSI. ft. |
| Productivity Index | PI | - Bbl./day/PSI | Gas Oil Ratio | GOR | - | CF/Bbl. |
| Radius of Investigation | | 16 ft. | K (Effective to Liquid) | | .07 | Md. |

Assumptions made for Calculations for Liquid Recoveries

1. Q is averaged at a constant rate.
2. P_f is formation flowing pressure at a constant rate.
3. Formation flow is taken as single phase flow.
If gas is produced at surface, phase separation is assumed to have occurred in drill pipe.
4. Radial flow is assumed.
5. For the purpose of calculating EDR where specific reservoir parameters are not available it is assumed that:

| | |
|--|------------------------|
| Effective permeability, K, will fall between | 1 to 200 md |
| Formation porosity, ϕ , will fall between | 0.1 to 0.3 |
| Fluid compressibility, c, will fall between | 10^{-6} to 10^{-4} |
| Fluid viscosity, μ , will fall between | 0.05 to 50 cp. |
| Well bore radius, r_w , will fall between | 3', to 4', " |

Which gives an average value for the function $\log \frac{K}{\phi \mu c r_w^2}$ of 5.5

6. Other standard radial flow, equilibrium assumptions.

Empirical Equations:

1. $EDR = \frac{P_o - P_f}{M(\log T + 2.65)}$ where $M = \frac{P_i - P_{10}}{\text{Log Cycle}}$
2. Transmissibility $\frac{Kh}{\mu \beta} = \frac{162.6 Q}{M}$
3. $DST J = \frac{Q}{P_o - P_f}$ Theoretical $J = \frac{7.08 \times 10^{-4} Kh}{\mu \beta \ln(r_e/r_w)}$ Assumed $\ln(r_e/r_w) = 7.60$
4. P.S. = $[P_o \times 2.309 \text{ ft./PSI}] - [\text{Recorder depth to sea level.}]$
5. Radius of investigation, $r_i = \sqrt{\frac{Kt}{40\phi\mu c}}$ where t = time in days

In making any interpretation, our employees will give Customer the benefit of their best judgment as to the correct interpretation. Nevertheless, since all interpretations are opinions based on inferences from electrical, mechanical or other measurements, we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not be liable or responsible, except in the case of gross or wilful negligence on our part, for any loss, costs, damages or expenses incurred or sustained by Customer resulting from any interpretation made by any of our agents or employees.

ΔT (MIN)

0.2 0.3 0.5 0.7 1.0 1.5 2.4 3.9 7.2 17 ∞

HORNER PLOT FIELD REPORT NO. 305290

INSTRUMENT:
NUMBER: J-1043
CAPACITY: 2800 PSI
DEPTH: 2935 FT

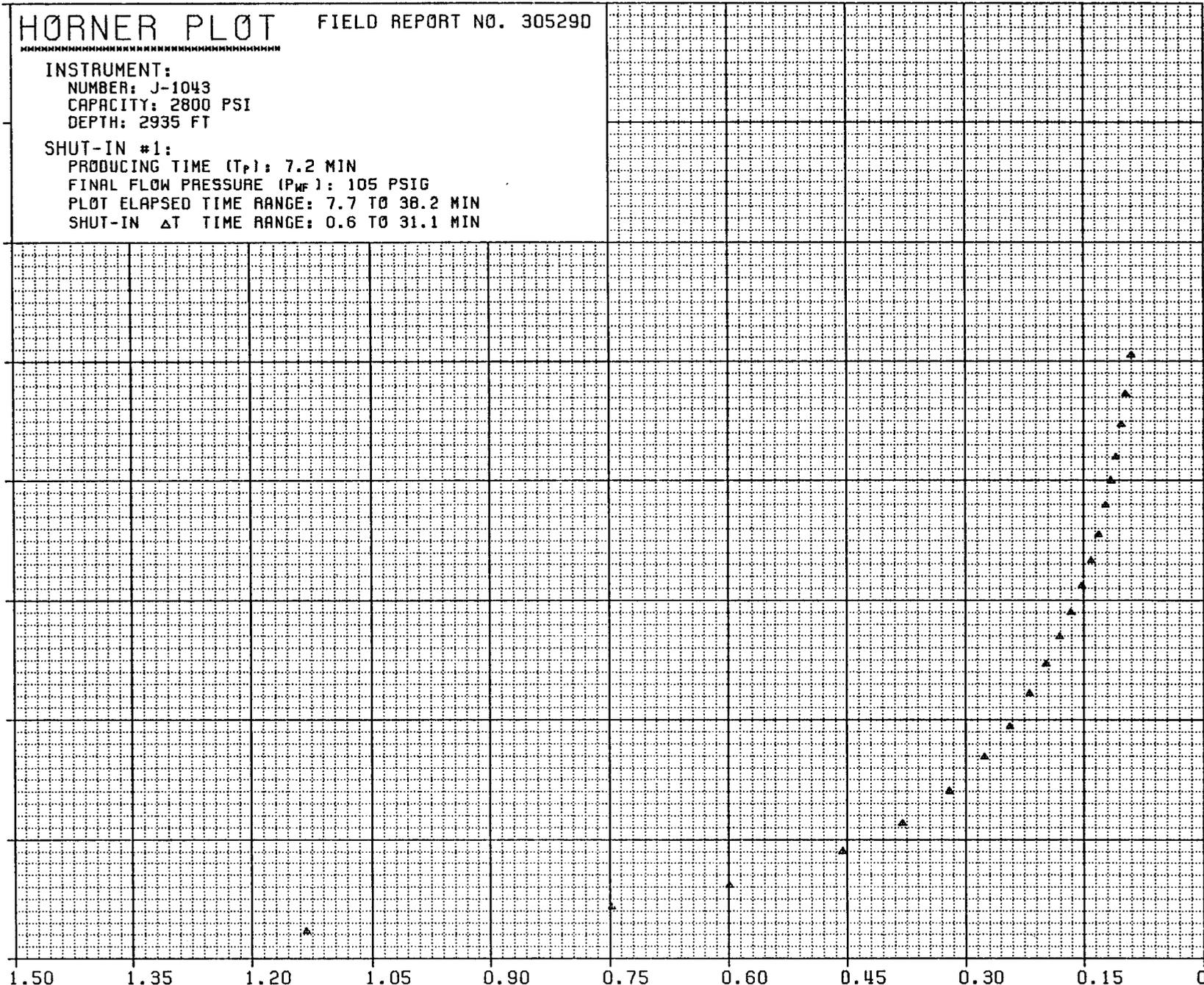
SHUT-IN #1:
PRODUCING TIME (T_P): 7.2 MIN
FINAL FLOW PRESSURE (P_{WF}): 105 PSIG
PLOT ELAPSED TIME RANGE: 7.7 TO 38.2 MIN
SHUT-IN ΔT TIME RANGE: 0.6 TO 31.1 MIN

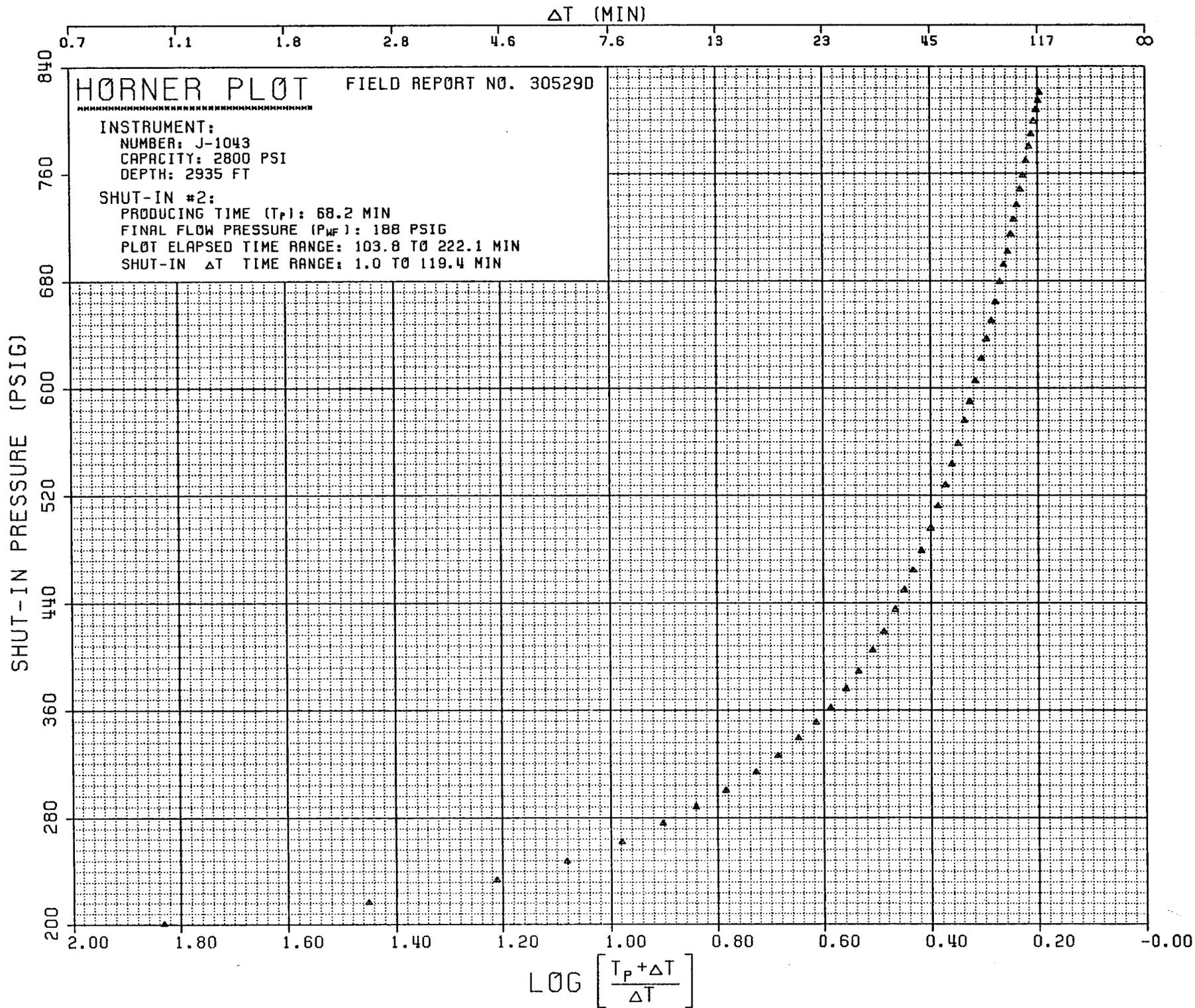
SHUT-IN PRESSURE (PSIG)

740
660
580
500
420
340
260
180
100

1.50 1.35 1.20 1.05 0.90 0.75 0.60 0.45 0.30 0.15 0.00

$$\text{LOG} \left[\frac{T_P + \Delta T}{\Delta T} \right]$$





FIELD REPORT NO. 30529D

INSTRUMENT:

NUMBER: J-1043

CAPACITY: 2800 PSI

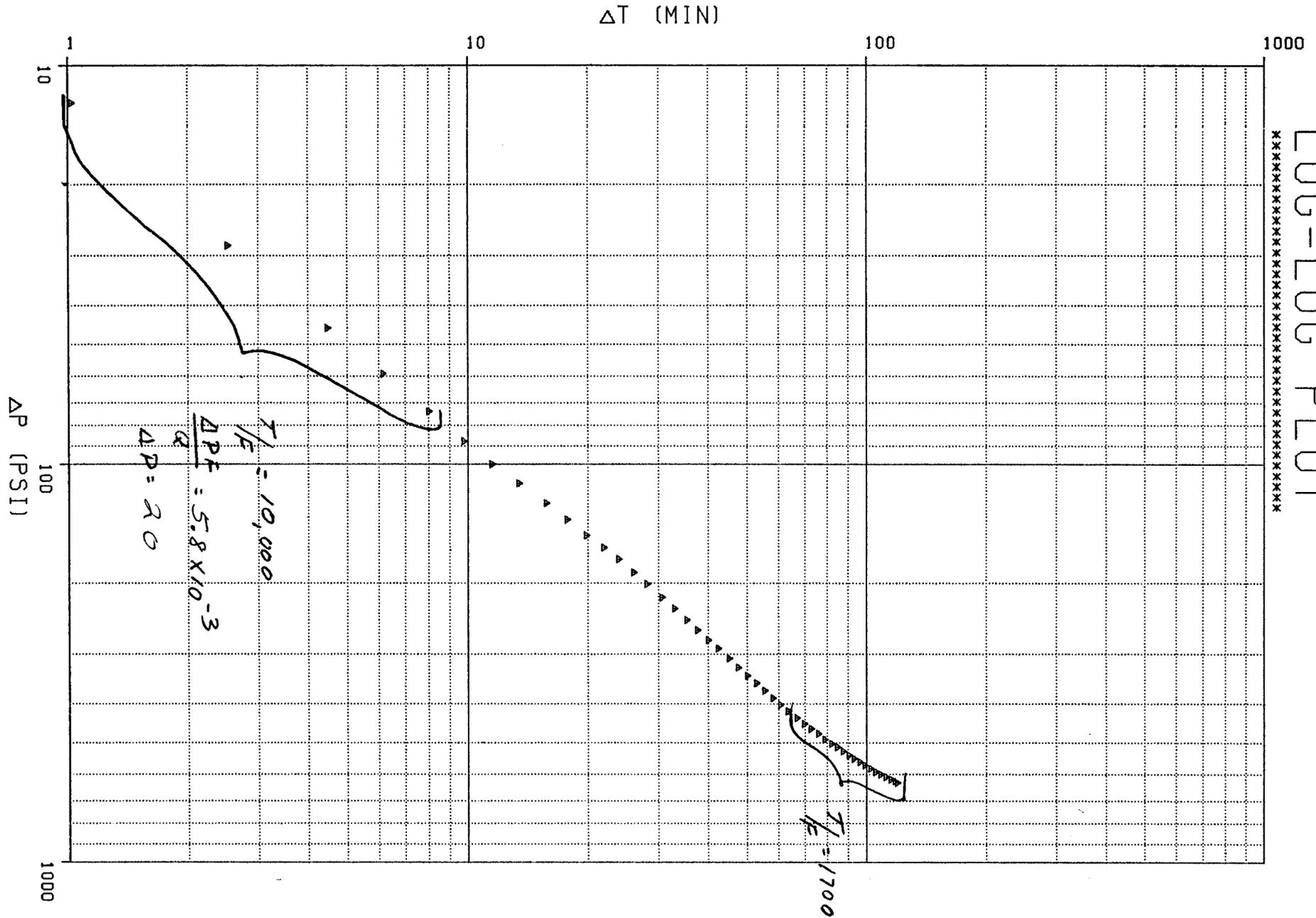
DEPTH: 2935 FT

SHUT-IN #2:

FINAL FLOW PRESSURE (P_{WF}): 188 PSIG

PLOT ELAPSED TIME RANGE: 103.8 TO 222.1 MIN

SHUT-IN ΔT TIME RANGE: 1.0 TO 119.4 MIN



----- WELL IDENTIFICATION -----

| | | | |
|----------------|------------------------------|-------------------|---------------------------|
| COMPANY: | DIAMOND SHAMROCK CORPORATION | CUSTOMER: | SAME |
| | 410-17TH ST.; SUITE 600 | | |
| | DENVER, CO. 80202 | | |
| WELL: | ALLEN FEDERAL #23-6 | LOCATION: | SEC. 6 - T9S - R17E |
| TEST INTERVAL: | 2930' TO 2986' | FIELD: | MONUMENT BUTTE (WILD CAT) |
| TEST NO: | 1 | TEST DATE: | 5-18-81 |
| COUNTY: | DUCHESNE | STATE: | UTAH |
| TECHNICIAN: | TORGENSEN (VERNAL) | TEST APPROVED BY: | MR. MAURICE VAN IEPEREN |

----- EQUIPMENT AND HOLE DATA -----

| | | | | |
|------------------------|------------------|----------------------|---------------|-----|
| TEST TYPE: | M.F.E. OPEN HOLE | DRILL PIPE LENGTH: | 2312 | FT. |
| ELEVATION: | 5377 | DRILL PIPE I.D.: | - | IN. |
| TOTAL DEPTH: | 2986 | DRILL COLLAR LENGTH: | 582 | FT. |
| MAIN HOLE/CASING SIZE: | 7 7/8 | DRILL COLLAR I.D.: | - | IN. |
| RAT HOLE/LINER SIZE: | - | PACKER DEPTHS: | 2926 & 2930 | FT. |
| FORMATION TESTED: | GARDEN GULTCH #3 | | & | FT. |
| NET PROD. INTERVAL: | 35 | DEPTHS REF. TO: | KELLY BUSHING | FT. |
| POROSITY: | 15 | | | % |

----- TEST TOOL CHAMBER DATA -----

| | | |
|------------------------|---------|-----------|
| SAMPLER PRESSURE: | 75 | PSIG |
| RECOVERED OIL GRAVITY: | - API @ | - DEG. F. |
| RECOVERY GOR: | - | FT3/BBL. |

| SAMPLE CHAMBER CONTENTS | | | |
|-------------------------|----------|-----------------|----------------------|
| FLUID | VOLUME | RESIST. (OHM-M) | MEAS. TEMP. (DEG F.) |
| GAS: | .10 FT.3 | | |
| OIL: | - CC | | |
| WATER: | - CC | | |
| MUD: | 450 CC | .18 | 78 |
| FILTRATE: | | - | - |
| TOTAL LIQUID: | 450 CC | | |

----- MUD DATA -----

| | |
|-------------|---|
| TYPE: | L.S.N.D. |
| WEIGHT: | 8.9 LB/GAL. |
| VISCOSITY: | 36-38 SEC. |
| WATER LOSS: | 10.0 CC |
| FLUID | RESIST (OHM-M) TEMP (DEG F) CHLOR (PPM) |
| MUD: | 1.6 66 |
| FILTRATE: | .18 72 800 |

----- REMARKS -----

----- SURFACE INFORMATION -----

| DESCRIPTION(RATE OF FLOW) | TIME | PRESSURE PSIG | SURFACE CHOKE |
|---------------------------|------|------------------|------------------|
| SET PACKER | 0620 | - | BUBBLE HOSE |
| OPENED TOOL | 0624 | - | " |
| BLOW OFF BOTTOM OF BUCKET | 0626 | 10 OZ | " |
| | 0629 | 9 OZ | " |
| CLOSED FOR FINAL SHUT-IN | 0630 | - | " |
| FINISHED SHUT-IN | 0700 | - | " |
| RE-OPENED TOOL | 0705 | - | " |
| | 0710 | 6 OZ | 1/4" |
| CHANGED CHOKE | 0720 | 4 OZ | 1/8" |
| | 0730 | 4 OZ | " |
| | 0740 | 3 OZ | " |
| | 0750 | 2 OZ | " |
| | 0800 | 1 OZ | " |
| | 0805 | 1 OZ | " |
| CLOSED FOR FINAL SHUT-IN | 0806 | - | " |
| FINISHED SHUT-IN | 1006 | - | " |
| PULLED PACKER LOOSE | 1010 | - | " |

CUSHION TYPE: FT PSIG 15/16 IN. BOTTOM CHOKE

----- RECOVERY INFORMATION -----

| RECOVERY | FEET | BARRELS | %OIL | %WATER | %OTHERS | API GRAV. | DEG. | RESIST | DEG. | CHL PPM |
|----------------------------------|------|---------|------|--------|---------|--------------|------|--------|------|------------|
| VERY VISCOUS OIL | 50 | | | | | | | | | |
| SLIGHTLY GAS CUT DRILLING MUD | 322 | | | | | | | .18 | 78 | 800 |

FIELD REPORT NO. 30529D

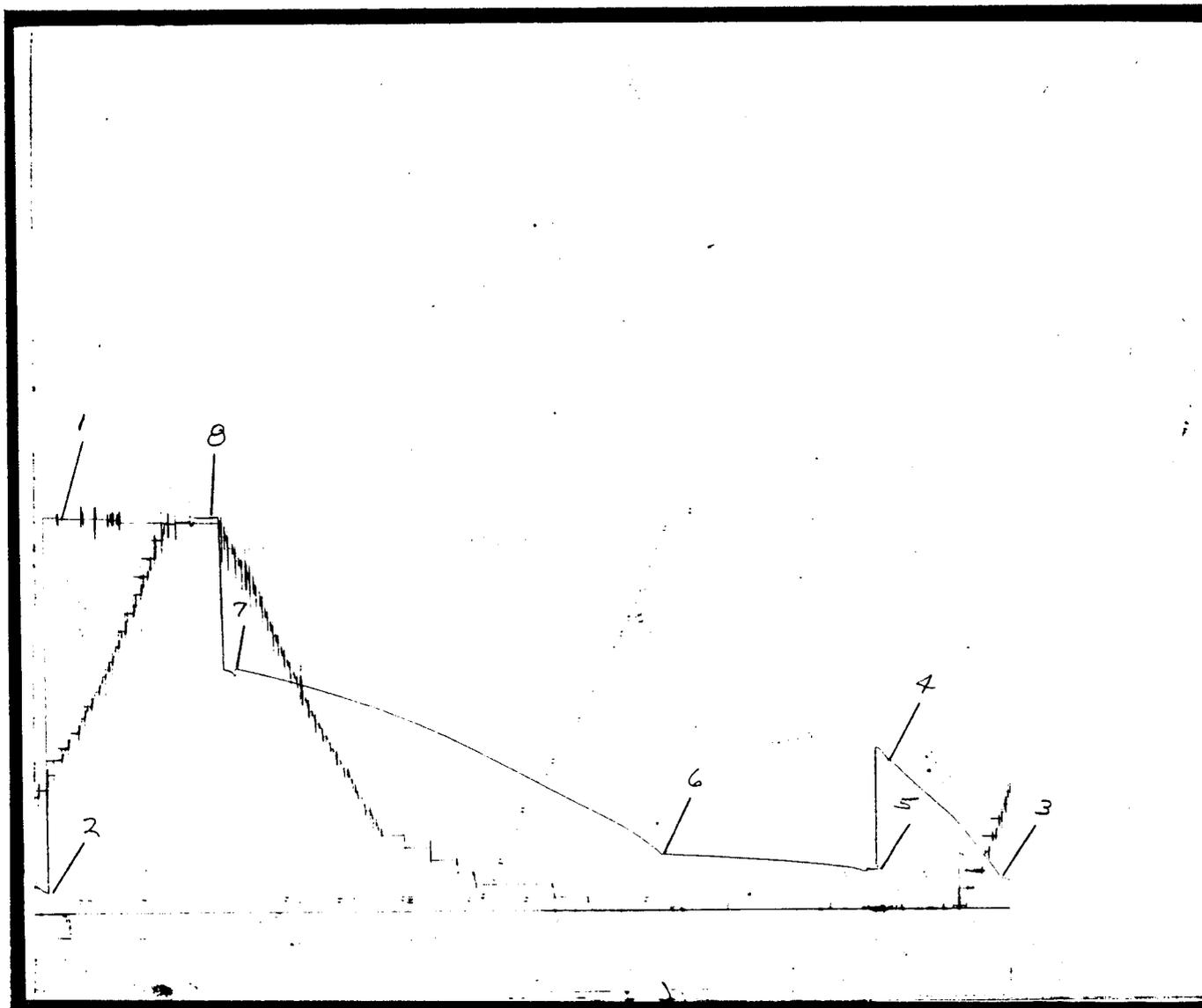
FIELD REPORT NO.: 30529 D

CAPACITY: 2800#

JOHNSTON
Schlumberger

INSTRUMENT NO.: J-1043

NUMBER OF REPORTS: 8



PRESSURE LOG

FIELD REPORT NO. 30529D

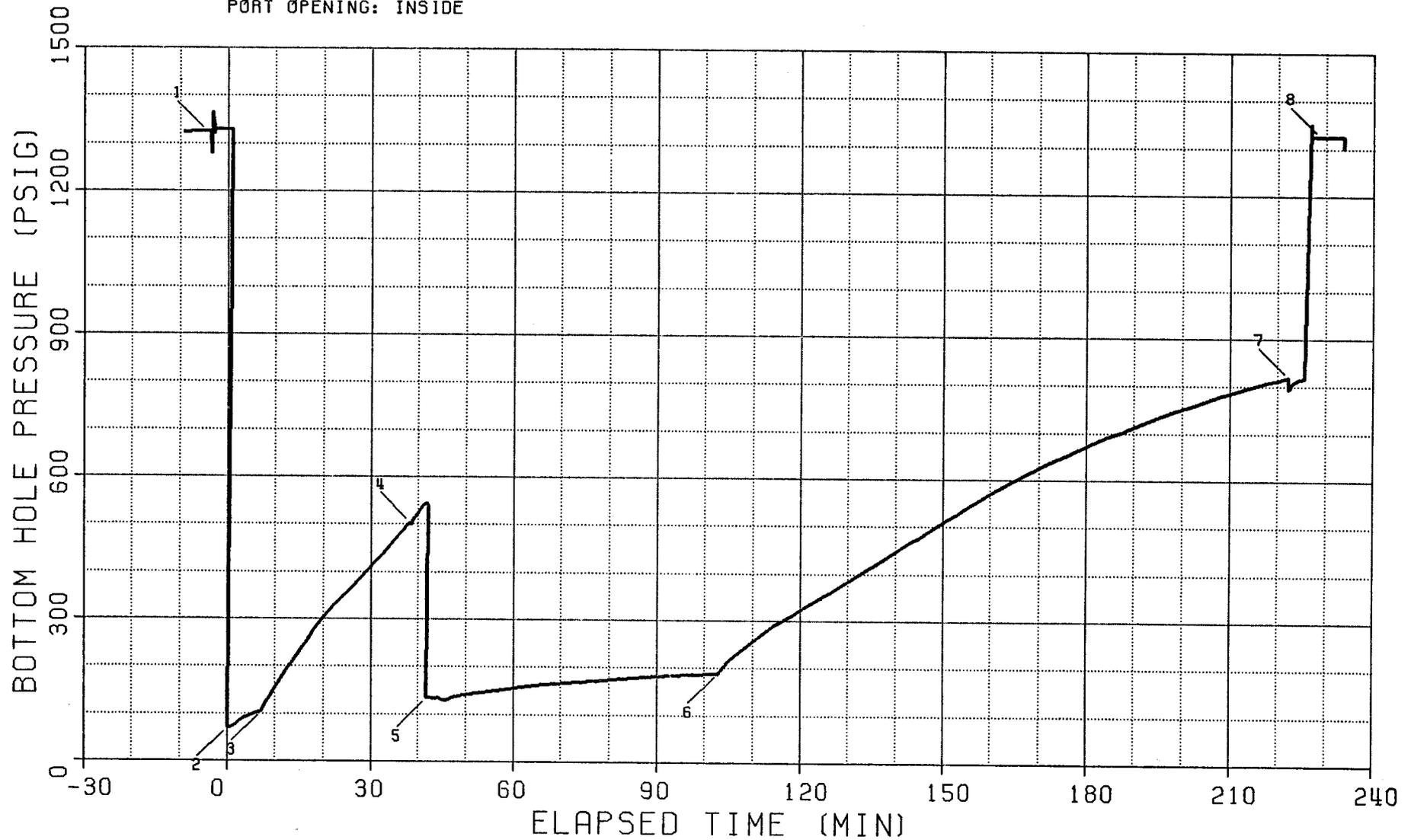
INSTRUMENT:

NUMBER: J-1043

CAPACITY: 2800 PSI

DEPTH: 2935 FT

PORT OPENING: INSIDE



BOTTOM HOLE PRESSURE AND TIME DATA

INSTRUMENT NO.: J-1043
 PORT OPENING: INSIDE

CAPACITY (PSI): 2800
 BOTTOM HOLE TEMP (F): 96

DEPTH (FT): 2935
 PAGE 1

| EXPLANATION | LABELED POINT | PRESSURE (PSIG) | ELAPSED TIME (MIN) |
|--------------------------|---------------|-----------------|--------------------|
| HYDROSTATIC MUD | 1 | 1325 | -4.4 |
| START FLOW | 2 | 71 | 0.0 |
| END FLOW & START SHUT-IN | 3 | 105 | 7.2 |
| END SHUT-IN | 4 | 504 | 38.2 |
| START FLOW | 5 | 135 | 41.7 |
| END FLOW & START SHUT-IN | 6 | 188 | 102.8 |
| END SHUT-IN | 7 | 820 | 222.1 |
| HYDROSTATIC MUD | 8 | 1326 | 228.7 |

 * SUMMARY OF FLOW PERIODS *

| FLOW PERIOD | ELAPSED TIME AT START (MIN) | ELAPSED TIME AT END (MIN) | DURATION OF FLOW (MIN) | PRESSURE AT START (PSIG) | PRESSURE AT END (PSIG) |
|-------------|-----------------------------|---------------------------|------------------------|--------------------------|------------------------|
| 1 | 0.0 | 7.2 | 7.2 | 71 | 105 |
| 2 | 41.7 | 102.8 | 61.1 | 135 | 188 |

 * SUMMARY OF SHUT-IN PERIODS *

| SHUT-IN PERIOD | ELAPSED TIME AT START (MIN) | ELAPSED TIME AT END (MIN) | DURATION OF SHUT-IN (MIN) | PRESSURE AT START (PSIG) | PRESSURE AT END (PSIG) | FINAL FLOW PRESSURE (PSIG) | PRODUCING TIME (MIN) |
|----------------|-----------------------------|---------------------------|---------------------------|--------------------------|------------------------|----------------------------|----------------------|
| 1 | 7.2 | 38.2 | 31.1 | 105 | 504 | 105 | 7.2 |
| 2 | 102.8 | 222.1 | 119.4 | 188 | 820 | 188 | 68.2 |

TEST PHASE : FLOW PERIOD # 1

| ELAPSED TIME (MIN) | DELTA TIME (MIN) | FLOWING PRESSURE (PSIG) |
|-----------------------|---------------------|----------------------------|
| 0.0 | 0.0 | 71 |
| 5.0 | 5.0 | 98 |
| 7.2 | 7.2 | 105 |

TEST PHASE : SHUT-IN PERIOD # 1

1. FINAL FLOW PRESSURE ["P_{WF}"] = 105 PSIG
2. PRODUCING TIME ["T_P"] = 7.2 MIN

| ELAPSED TIME (MIN) | DELTA TIME ["DT"] (MIN) | SHUT-IN PRESSURE ["P _{WS} "] (PSIG) | LOG [(T +DT)/DT] P | DELTA PRESSURE [P _{WS} - P _{WF}] |
|-----------------------|----------------------------|---|-----------------------|--|
| 7.2 | 0.0 | 105 | | 0 |
| 8.2 | 1.0 | 126 | 0.912 | 21 |
| 9.2 | 2.0 | 142 | 0.661 | 37 |
| 10.2 | 3.0 | 158 | 0.530 | 53 |
| 11.2 | 4.0 | 174 | 0.446 | 69 |
| 12.2 | 5.0 | 189 | 0.386 | 84 |
| 13.2 | 6.0 | 204 | 0.341 | 99 |
| 14.2 | 7.0 | 219 | 0.306 | 114 |
| 15.2 | 8.0 | 234 | 0.278 | 129 |
| 16.2 | 9.0 | 248 | 0.254 | 143 |
| 17.2 | 10.0 | 263 | 0.235 | 158 |
| 19.2 | 12.0 | 292 | 0.203 | 187 |
| 21.2 | 14.0 | 317 | 0.179 | 212 |
| 23.2 | 16.0 | 338 | 0.161 | 234 |
| 25.2 | 18.0 | 359 | 0.145 | 254 |
| 27.2 | 20.0 | 380 | 0.133 | 275 |
| 29.2 | 22.0 | 403 | 0.122 | 298 |
| 31.2 | 24.0 | 424 | 0.113 | 319 |
| 33.2 | 26.0 | 446 | 0.106 | 341 |
| 35.2 | 28.0 | 470 | 0.099 | 365 |
| 37.2 | 30.0 | 492 | 0.093 | 387 |
| 38.2 | 31.1 | 504 | 0.090 | 399 |

FIELD REPORT NO. 30529D
INSTRUMENT NO. J-1043TEST PHASE : FLOW PERIOD # 2

| ELAPSED TIME (MIN) | DELTA TIME (MIN) | FLOWING PRESSURE (PSIG) |
|-----------------------|---------------------|----------------------------|
| 41.7 | 0.0 | 135 |
| 46.7 | 5.0 | 133 |
| 51.7 | 10.0 | 144 |
| 56.7 | 15.0 | 151 |
| 61.7 | 20.0 | 157 |
| 66.7 | 25.0 | 163 |
| 71.7 | 30.0 | 168 |
| 76.7 | 35.0 | 171 |
| 81.7 | 40.0 | 176 |
| 86.7 | 45.0 | 179 |
| 91.7 | 50.0 | 183 |
| 96.7 | 55.0 | 185 |
| 101.7 | 60.0 | 188 |
| 102.8 | 61.1 | 188 |

TEST PHASE : SHUT-IN PERIOD # 2

1. FINAL FLOW PRESSURE ["P "] = 188 PSIG
2. PRODUCING TIME ["T "] = 68.2 MIN
P WF

| ELAPSED TIME (MIN) | DELTA TIME ["DT"] (MIN) | SHUT-IN PRESSURE ["P "] (PSIG) | LOG [(T +DT)/DT] P | DELTA PRESSURE [P - P] WS WF |
|-----------------------|----------------------------|-----------------------------------|-----------------------|-------------------------------------|
| 102.8 | 0.0 | 188 | | 0 |
| 103.8 | 1.0 | 200 | 1.840 | 12 |
| 104.8 | 2.0 | 211 | 1.545 | 23 |
| 105.8 | 3.0 | 221 | 1.376 | 33 |
| 106.8 | 4.0 | 230 | 1.257 | 41 |
| 107.8 | 5.0 | 238 | 1.166 | 50 |
| 108.8 | 6.0 | 246 | 1.092 | 58 |
| 109.8 | 7.0 | 254 | 1.031 | 66 |
| 110.8 | 8.0 | 262 | 0.979 | 74 |
| 111.8 | 9.0 | 270 | 0.934 | 82 |
| 112.8 | 10.0 | 277 | 0.893 | 89 |
| 114.8 | 12.0 | 291 | 0.825 | 103 |
| 116.8 | 14.0 | 304 | 0.769 | 115 |
| 118.8 | 16.0 | 316 | 0.721 | 127 |
| 120.8 | 18.0 | 328 | 0.680 | 140 |
| 122.8 | 20.0 | 341 | 0.645 | 152 |
| 124.8 | 22.0 | 352 | 0.613 | 163 |
| 126.8 | 24.0 | 363 | 0.585 | 175 |
| 128.8 | 26.0 | 376 | 0.559 | 188 |
| 130.8 | 28.0 | 389 | 0.536 | 201 |

CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 2794
Casper, Wyoming

WATER ANALYSIS REPORT

| | | |
|------------------------------------|------------------------------------|----------------------|
| OPERATOR <u>Diamond Shamrock</u> | DATE <u>5-27-81</u> | LAB NO. <u>37600</u> |
| WELL NO. <u>Allen Federal 23-6</u> | LOCATION _____ | |
| FIELD _____ | FORMATION _____ | |
| COUNTY <u>Duchesne</u> | INTERVAL <u>2930-2986</u> | |
| STATE <u>Utah</u> | SAMPLE FROM <u>DST #1, sampler</u> | |

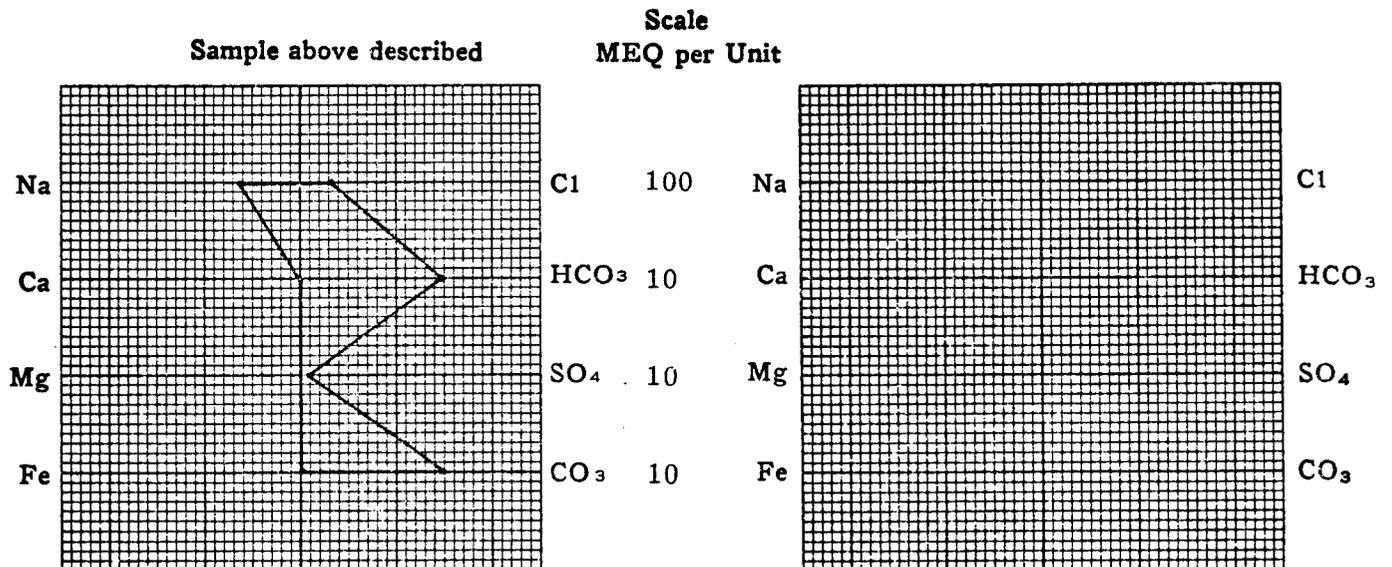
REMARKS & CONCLUSIONS: _____

| <u>Cations</u> | <u>mg/l</u> | <u>meq/l</u> | <u>Anions</u> | <u>mg/l</u> | <u>meq/l</u> |
|--------------------------------|-------------|---------------|-------------------------------|-------------|---------------|
| Sodium - - - - - | 14627 | 636.28 | Sulfate - - - - - | 396 | 8.24 |
| Potassium - - - - - | 108 | 2.76 | Chloride - - - - - | 11750 | 331.35 |
| Lithium - - - - - | - | - | Carbonate - - - - - | 4505 | 150.02 |
| Calcium - - - - - | 8 | 0.40 | Bicarbonate - - - - - | 9146 | 149.99 |
| Magnesium - - - - - | 2 | 0.16 | Hydroxide - - - - - | - | - |
| Iron - - - - - | - | - | Hydrogen sulfide - - - - - | - | - |
| Total Cations - - - - - | | 639.60 | Total Anions - - - - - | | 639.60 |

| | |
|---|--|
| Total dissolved solids, mg/l - - - - - <u>35894</u> | Specific resistance @ 68°F.: <u>0.240</u> ohm-meters |
| NaCl equivalent, mg/l - - - - - <u>34912</u> | Observed - - - - - <u>0.198</u> ohm-meters |
| Observed pH - - - - - <u>9.3</u> | Calculated - - - - - _____ |

JUN 1 1981
C. L. GILLESPIE

WATER ANALYSIS PATTERN



(Na value in above graphs includes Na, K, and Li)
NOTE: Mg/l=Milligrams per liter Meq/l= Milligram equivalents per liter
Sodium chloride equivalent=by Dunlap & Hawthorne calculation from components

CHEMICAL & GEOLOGICAL LABORATORIES

P.O. Box 2794
Casper, Wyoming 82602

GAS ANALYSIS REPORT

Company Diamond Shamrock Date 5-28-81 Lab. No. 37600-2
 Well No. Allen Federal 23-6 Location _____
 Field _____ Formation _____
 County Duchesne Depth 2930-2986
 State Utah Sampling point Sampler
 Line pressure _____ psig; Sample pressure 15 psig; Temperature _____ ° F; Container number JT Vernal
 Remarks _____

| Component | Mole % or Volume % | |
|-----------------------|-----------------------|----------------|
| Oxygen..... | 0 | |
| Nitrogen..... | 0.50 | |
| Carbon dioxide..... | 0 | |
| Hydrogen sulfide..... | nil | |
| <hr/> | | |
| Methane..... | 96.70 | Gallons |
| Ethane..... | 1.79 | per MCF |
| Propane..... | 0.80 | 0.219 |
| Iso-butane..... | 0.11 | 0.036 |
| N-butane..... | 0.04 | 0.013 |
| Iso-pentane..... | 0.02 | 0.007 |
| N-pentane..... | 0.03 | 0.011 |
| Hexanes & higher..... | 0.01 | 0.005 |
| <hr/> | | |
| Total..... | 100.00 | 0.291 |

GPM of pentanes & higher fraction..... 0.023
 Gross btu/cu. ft. @60° F. & 14.7 psia (dry basis)..... 1037
 Specific gravity (calculated from analysis)..... 0.576
 Specific gravity (measured)..... 0.575

Remarks: _____

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

SUBMIT IN DUPLICATE

(See instructions on reverse side)

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

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 Corporation

3. ADDRESS OF OPERATOR
5730 W. Yellowstone Casper, Wyoming 82601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
 At surface 1,885' FWL & 1,989' FSL **NE SW**
 At top prod. interval reported below
 At total depth

14. PERMIT NO. **43-03-30558** DATE ISSUED **1-9-81**

5. LEASE DESIGNATION AND SERIAL NO.
U-020252-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Allen Federal

9. WELL NO.
23-6

10. FIELD AND POOL, OR WILDCAT
Monument Butte

11. SEC., T., R., N., OR BLOCK AND SURVEY OR AREA
Sec. 6, T9S, R17E

12. COUNTY OR PARISH
Duchesne 13. STATE
Utah

15. DATE SPUDDED **5-12-81** 16. DATE T.D. REACHED **5-26-81** 17. DATE COMPL. (Ready to prod.) **6-16-81** 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* **5,364' GR** 19. ELEV. CASINGHEAD **5,364'**

20. TOTAL DEPTH, MD & TVD **5,495'** 21. PLUG, BACK T.D., MD & TVD **5,424'** 22. IF MULTIPLE COMPL., HOW MANY* _____ 23. INTERVALS DRILLED BY **Rotary** ROTARY TOOLS _____ CABLE TOOLS _____

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Top 4,792' Bottom 5,260' Green River 25. WAS DIRECTIONAL SURVEY MADE **No**

26. TYPE ELECTRIC AND OTHER LOGS RUN
Sonic - Dual Induction - Density - Cement Bond 27. WAS WELL CORED **No**

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

| CASING SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
|-------------|-----------------|----------------|-----------|------------------|---------------|
| 8 5/8" | 24# | 259' | 12 1/4" | 190 SXS. | |
| 5 1/2" | 15.50# | 5,483" | 7 7/8" | 860 SXS. | |

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" | 4,748' | |

31. PERFORATION RECORD (Interval, size and number)

| Interval | Size | Holes |
|------------------|------|----------|
| 4,792' to 4,808' | .44 | |
| 4,890' to 4,898' | | 48 holes |
| 4,904' to 4,908' | | |
| 5,244' to 5,260' | | |

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

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED |
|---------------------|--|
| 4792' - 5260' | 703 bbls. Gelled water W/64,000# 10/20 sand & 61,000# 20/40 sand |

33.* PRODUCTION

| DATE FIRST PRODUCTION | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) | WELL STATUS (Producing or shut-in) |
|-----------------------|--|------------------------------------|
| 6-16-81 | Flowing | Producing |

| DATE OF TEST | HOURS TESTED | CHOKE SIZE | PROD'N. FOR TEST PERIOD | OIL—BBL. | GAS—MCF. | WATER—BBL. | GAS-OIL RATIO |
|--------------|--------------|------------|-------------------------|----------|----------|------------|---------------|
| 6-16-81 | 20 | 10/64 | → | 167 | 51 | 37 | 305:1 |

| FLOW. TUBING PRESS. | CASING PRESSURE | CALCULATED 24-HOUR RATE | OIL—BBL. | GAS—MCF. | WATER—BBL. | OIL GRAVITY-API (CORR.) |
|---------------------|-----------------|-------------------------|----------|----------|------------|-------------------------|
| 110 | 1,000 | → | 167 | 51 | 37 | 30 @ 60° |

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) **Vented** TEST WITNESSED BY **Bill Elliott**

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
 SIGNED **James H. Bennett** TITLE **Drlg. Supervisor** DATE **6-22-81**

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

INSTRUC.

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

| FORMATION | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC. |
|--|-------------|--------|-----------------------------|
| 37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES | | | |
| 38. GEOLOGIC MARKERS | | | |
| NAMES | MEAS. DEPTH | TOP | TRUE VERT. DEPTH |
| Gordon Gulch III | 2,762' | | |
| Mahogany Zone | 3,060' | | |
| Gorden Gulch II | 4,260' | | |
| Gorden Gulch I | 4,765' | | |
| Douglas Creek VII | 4,815' | | |
| Douglas Creek VI | 4,855' | | |
| Douglas Creek V | 4,950' | | |
| Douglas Creek IV | 5,078' | | |
| Douglas Creek III | 5,199' | | |
| Douglas Creek II | 5,207' | | |
| Douglas Creek I | 5,270' | | |



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

January 5, 1982

Diamond Shamrock Corp.
85 South 200 East
Vernal, Utah 84078

Re: Well No. Allen Federal #23-6
Sec. 6, T. 9S, R. 17E
Duchesne County, Utah

Well No. Pett Fee #2-1C7
Sec. 1, T. 3S, R. 7W
Duchesne County, Utah

Gentlemen:

In reference to the above mentioned wells, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill these wells, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan to drill this location at a later date, please notify as such.

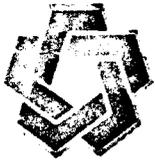
Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

A handwritten signature in cursive script that reads "Cari Furse".

Cari Furse
Clerk Typist



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

February 19, 1982

Diamond Shamrock Corporation
5730 Yellowstone
Casper, Wyoming 82601

Re: Well No. Allen Federal #23-6
Sec. 6, T. 9S, R. 17E
Duchesne County, Utah

Gentlemen:

According to our records, a "Well Completion Report" filed with this office June 22, 1981, from above referred to well, indicates the following electric logs were run: Sonic, Dual Induction, Density, and Cement Bond. As of today's date, this office has not received these logs: Cement Bond.

Rule C-5, General Rules and Regulations and Rules of Practice and Procedure, requires that a well log shall be filed with the Commission together with a copy of the electric and radioactivity logs.

Your prompt attention to the above will be greatly appreciated.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Cari Furse
Clerk Typist

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 CHEMICAL CO. (formerly DIAMOND SHAMROCK)

3. ADDRESS OF OPERATOR
P.O. Drawer 'E', Vernal, Utah 84078

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

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 surface gas lines</u> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

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

| | |
|--|----------------------|
| 5. LEASE | U-020252A ✓ |
| 6. IF INDIAN, ALLOTTEE OR TRIBE NAME | |
| 7. UNIT AGREEMENT NAME | |
| 8. FARM OR LEASE NAME | ALLEN FEDERAL ✓ |
| 9. WELL NO. | |
| 10. FIELD OR WILDCAT NAME | Monument Butte Field |
| 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA | Section 6, T9S, R17E |
| 12. COUNTY OR PARISH | Duchesne |
| 13. STATE | Utah |
| 14. API NO. | |
| 15. ELEVATIONS (SHOW DF, KDB, AND WD) | |

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 CHEMICAL COMPANY requests permission to lay a dry gas distribution system to all wells within federal lease U-020252A. These dry gas lines will be 1" and 2" polyethylene pipe and will be laid parallel to the existing wet gas gathering system as shown on the attached topo map. Approximate pressure will be 50 psig.

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

The laying of these lines will allow DIAMOND CHEMICAL to severely reduce the amount of downtime we are now experiencing caused by the condensation of liquids in fuel gas lines on existing locations & thus increase oil & gas production from this lease.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED [Signature] TITLE Production Engineer DATE 9-12-83

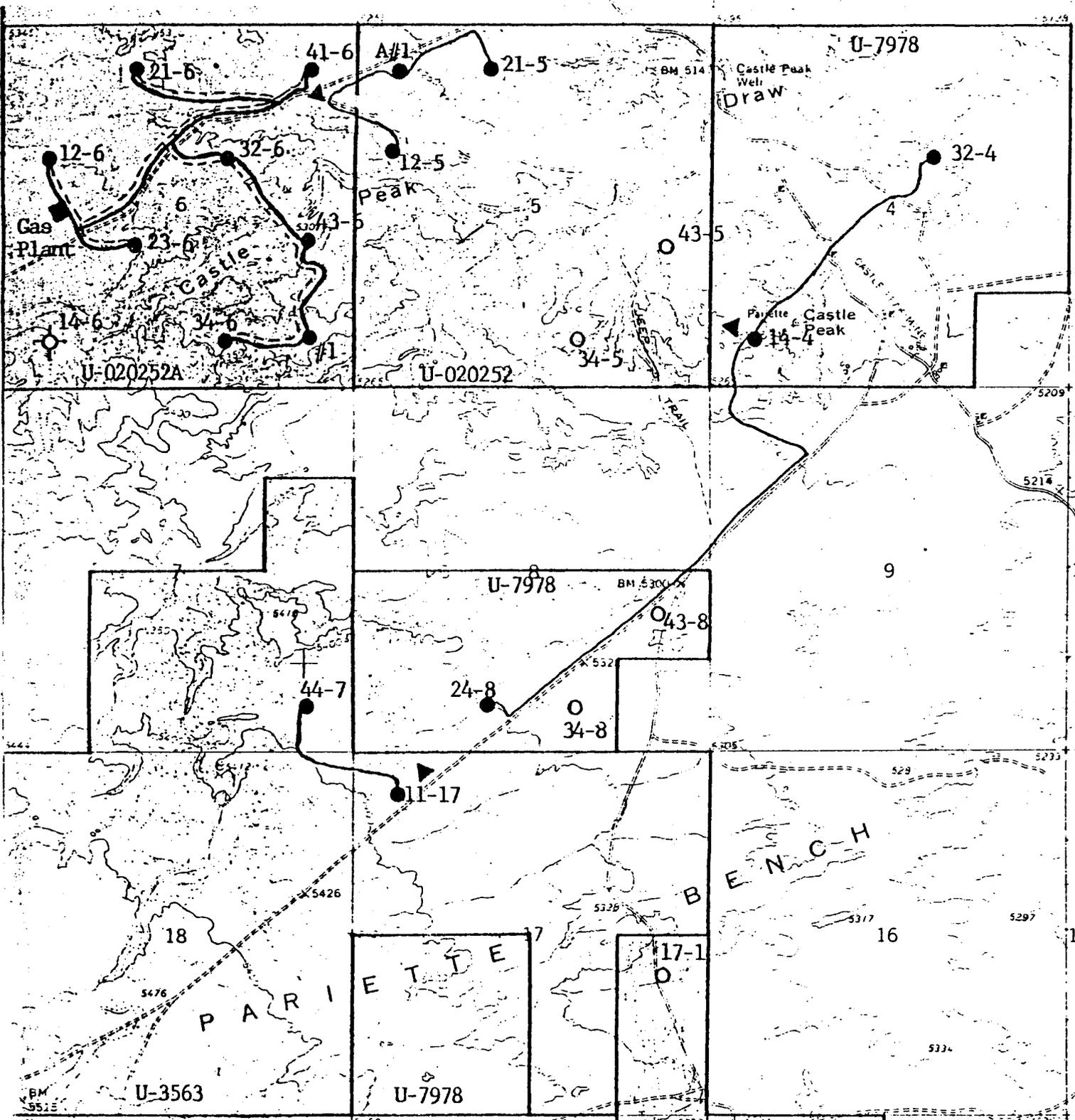
(This space for Federal or State official use)

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 9/15/83
BY: [Signature]

*See Instructions on Reverse Side



**MONUMENT BUTTE FIELD
GAS GATHERING SYSTEM**

- Existing Gas Line
- - - Proposed Gas Line
- ▲ Proposed Metering Facility

1 8.5
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Form 3160-5
(November 1983)
Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)

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

5. LEASE DESIGNATION AND SERIAL NO.
U-020252-A

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 EXPLORATION COMPANY

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
1885 FWL & 1989' FSL

14. PERMIT NO.
43-013-30558

15. ELEVATIONS (Show whether DF, RT, OR, etc.)
5364' GR

RECEIVED

JUL 3 1984

DIVISION OF OIL
GAS & MINING

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
ALLEN FEDERAL

9. WELL NO.
#23-6

10. FIELD AND POOL, OR WILDCAT
MONUMENT BUTTE FIELD

11. SEC., T., R., N., OR BLK. AND SURVEY OR AREA
SEC. 6, T9S, R17E

12. COUNTY OR PARISH
DUCHEсне

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

FRACUTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANE

WATER SHUT-OFF

FRACUTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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

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

The information obtained from the mud logs, open hole logs, DST and offset wells, indicate a zone at 4249' - 4267' that contains hydrocarbons in a very favorable producing environment.

DIAMOND SHAMROCK requests permission to perforate this zone and fracture treat.

The opening of this zone will allow DIAMOND SHAMROCK EXPLORATION COMPANY to increase the oil and casinghead gas production on this marginally economic well.

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

SIGNED EDWARD A. LONG
(This space for Federal or State office use)

TITLE Engineer

DATE 7-1-84

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

*See Instructions on Reverse Side

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

SUBMIT IN DUPLICATE*

(See other In-
structions on
reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

b. TYPE OF COMPLETION:
NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. 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 and in accordance with any State requirements)*
At surface **1885' FWL & 1989' FSL NESW**
At top prod. interval reported below **SAME**
At total depth **SAME**

14. PERMIT NO. **43-013-30558** DATE ISSUED **1-9-81**

5. LEASE DESIGNATION AND SERIAL NO.
U-020252A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
ALLEN FEDERAL

9. WELL NO.
23-6

10. FIELD AND POOL, OR WILDCAT
MONUMENT BUTTE FIELD

11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA
SEC. 6, T9S, R17E

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

15. DATE SPUNDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) **AUG. 11, 1984** 18. ELEVATIONS (OF, RKB, RT, GR, ETC.)* **5364' GR** 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD **5495'** 21. PLUG, BACK T.D., MD & TVD **5424'** 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY **ALL** ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
TOP 5249' BOTTOM 4267' GREEN RIVER 25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORRED

CASING RECORD (Report all strings set in well)

| CASINO SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
|-------------|-----------------|----------------|-----------|------------------|---------------|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| 29. LINER RECORD | | | | | 30. TUBING RECORD | | |
|------------------|----------|-------------|---------------|-------------|-------------------|----------------|-----------------|
| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | SIZE | DEPTH SET (MD) | PACKER SET (MD) |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

31. PERFORATION RECORD (Interval, size and number)

| | | |
|------------|-----|----------|
| 4249-4254' | .44 | 72 holes |
| 4256-4267' | .44 | |

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

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED |
|---------------------|----------------------------------|
| 4249-4254' | 27,000 gal gelled water |
| 4256-4267' | w/65,000# 20/40 sand |

33.* PRODUCTION

| | | | | | | | |
|---|---|--|-------------------------|-----------------------|------------------------|--|--------------------------------|
| DATE FIRST PRODUCTION 6-16-81 | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping 2" x 1 1/2" x 16' RWBC | WELL STATUS (Producing or shut-in) Producing | | | | | |
| DATE OF TEST 10/4/84 | HOURS TESTED | CHOKE SIZE | PROD'N. FOR TEST PERIOD | OIL—BBL. 20 | GAS—MCF. 48 | WATER—BBL. 0 | GAS-OIL RATIO 2400:1 |
| FLOW. TUBING PRESS. | CASING PRESSURE | CALCULATED 24-HOUR RATE | OIL—BBL. 20 | GAS—MCF. 48 | WATER—BBL. 0 | OIL GRAVITY-API (CORR.) 34 @ 60° | |

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) **Sold and used for fuel** TEST WITNESSED BY **Jeff Ronk**

35. LIST OF ATTACHMENTS

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

SIGNED Rob Michelotti TITLE PRODUCTION ENGINEER DATE 3/12/85

*(See Instructions and Spaces for Additional Data 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

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) 777-2822

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 GOVT A SUPPLEMENTED COPY OF TAD TO IDENTIFY ALL WELLS, INCLUDING DRILLING AND INJECTION

(Use attachments if necessary)

CONTACTED BY: [Signature]

DATE: 6-7-87



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:

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

RECEIVED

JUN 05 1987

DIVISION OF
OIL, GAS & MINING

Utah Account No. N0340
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 4301315779 | ALLEN FEDERAL #1 | 01110 09S 17E 6 | GRRV | 23 | 71 | 238 | -0- | |
| X 4304720252 | EAST RED WASH 2-5 | 01112 08S 25E 5 | GRRV | -0- | -0- | -0- | -0- | |
| X 4301315780 | ALLEN FEDERAL A-1 | 01115 09S 17E 5 | GRRV | -0- | -0- | -0- | -0- | |
| X 4301330558 | ALLEN FEDERAL 23-6 | 01120 09S 17E 6 | GRRV | 30 | 225 | 1825 | 7 | |
| X 4301330559 | ALLEN FEDERAL 32-6 | 01120 09S 17E 6 | GRRV | 30 | 115 | 925 | -0- | |
| X 4301330581 | ALLEN FEDERAL 41-6 | 01120 09S 17E 6 | GRRV | 30 | 321 | 2838 | -0- | |
| X 4301330583 | ALLEN FEDERAL 43-6 | 01120 09S 17E 6 | GRRV | 30 | 199 | 1705 | 26 | |
| X 4301330584 | ALLEN FEDERAL 21-6 | 01120 09S 17E 6 | GRRV | 30 | 230 | 1234 | -0- | |
| X 4301330586 | ALLEN FEDERAL 34-6 | 01120 09S 17E 6 | GRRV | 30 | 209 | 1577 | 8 | |
| X 4301330918 | ALLEN FEDERAL 13-6 | 01120 09S 17E 6 | GRRV | 30 | 125 | 1047 | -0- | |
| X 4301330919 | ALLEN FEDERAL 22-6 | 01120 09S 17E 6 | GRRV | 30 | 186 | 2692 | 8 | |
| X 4301330611 | ALLEN FEDERAL 12-5 | 01125 09S 17E 5 | GRRV | 30 | 230 | 1186 | -0- | |
| X 4301330582 | ALLEN FEDERAL 12-6 | 01135 09S 17E 6 | GRRV | 30 | 556 | 2595 | 3 | |
| TOTAL | | | | | 2467 | 17862 | 52 | |

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



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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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.)

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:

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

SUBSEQUENT REPORT OF:

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:

See Instructions On Reverse Side

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:

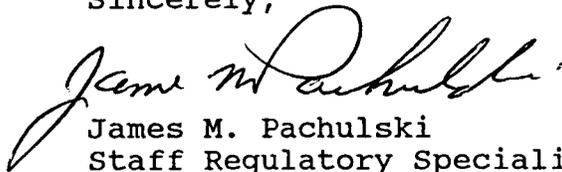
Attached is a list of wells within the State of Utah currently operated by Maxus Exploration Company. These wells are in the process of being transferred to a new operator:

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



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

43-013-30558
Re: Well No. Allen Federal 23-6
NESW, Sec. 6, T9S, R17E
Lease U-020252-A
Uintah County, Utah

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

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)

| | | | |
|-------------------|------------------------------------|------------------------|----------------------------------|
| TO (new operator) | <u>BALCRON OIL</u> | FROM (former operator) | <u>MAXUS EXPLORATION COMPANY</u> |
| (address) | <u>P. O. BOX 21017</u> | (address) | <u>717 N. HARWOOD, STE 2900</u> |
| | <u>1601 LEWIS AVENUE BUILDING</u> | | <u>DALLAS, TX 75201</u> |
| | <u>BILLINGS, MT 59104</u> | | <u>JAMES PACHULSKI (WYO)</u> |
| | phone <u>(406) 259-7860</u> | | phone <u>(307) 266-1882</u> |
| | account no. <u>N9890 (12-5-91)</u> | | account no. <u>N 0865</u> |

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

| | | | | | | |
|-------------------------------|------------|---------------|-----------|-----------|-----------|-------------------|
| Name: <u>**SEE ATTACHED**</u> | 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) ____ 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) no. Today's date _____ 19____. If yes, division response was made by letter dated _____ 19____.

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

- 911027 Btm/Vernal "No documentation as of yet."
- 911025 Btm/Vernal "Have documentation - not approved as of yet." Will notify DiBm when approved.
- 911125 Btm/Vernal " "
- 911231 Btm/Vernal " "
- 920110 Balcon/Bobby Schuman Reg. Transfer of Authority to inject "Parvete Bench Unit #4" and 134-35 Sundry for operator change "Castlepeak St. 43-16."



UTAH
NATURAL RESOURCE
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) |
| MONMNT BUTTE 1-34 | ✓4301330736 | 00030 | 09S 16E 1 | GRRV | | | | |
| MONMNT BUTTE 1-24 | ✓4301330701 | 00050 | 09S 16E 1 | GRRV | | | | |
| ALLEN FEDERAL #1 | ✓4301315779 | 01110 | 09S 17E 6 | GRRV | | | | |
| ALLEN FEDERAL A-1 | ✓4301315780 | 01115 | 09S 17E 5 | GRRV | | | | |
| ALLEN FEDERAL 23-6 | ✓4301330558 | 01120 | 09S 17E 6 | GRRV | | | | |
| ALLEN FEDERAL 32-6 | ✓4301330559 | 01120 | 09S 17E 6 | GRRV | | | | |
| ALLEN FEDERAL 41-6 | ✓4301330581 | 01120 | 09S 17E 6 | GRRV | | | | |
| ALLEN FEDERAL 43-6 | ✓4301330583 | 01120 | 09S 17E 6 | GRRV | | | | |
| ALLEN FEDERAL 21-6 | ✓4301330584 | 01120 | 09S 17E 6 | GRRV | | | | |
| ALLEN FEDERAL 34-6 | ✓4301330586 | 01120 | 09S 17E 6 | GRRV | | | | |
| ALLEN FEDERAL 13-6 | ✓4301330918 | 01120 | 09S 17E 6 | GRRV | | | | |
| ALLEN FEDERAL 22-6 | ✓4301330919 | 01120 | 09S 17E 6 | GRRV | | | | |
| ALLEN FEDERAL 12-5 | ✓4301330611 | 01125 | 09S 17E 5 | 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 _____



BALCRON OIL

A Division of
Equitable Resources Energy Company

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

RECEIVED

DEC 17 1992

DIVISION OF
OIL GAS & MINING

December 15, 1992

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

Gentlemen:

Enclosed for your information are copies of the Federal sundry notices showing our intent to recomplete the following wells for injection in our Monument Butte pilot waterflood project.

Allen Federal #13-6
Allen Federal #22-6
Balcron Monument Federal #24-6
Balcron Monument Federal #11-6
Allen Federal #1
Allen Federal #23-6
Allen Federal #12-6

If you have any questions or need further information, please let us know.

Sincerely,

Bobbie Schuman

Bobbie Schuman
Coordinator of Operations,
Environmental and Regulatory Affairs

/rs

Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

U-020252-A

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

n/a

8. Well Name and No.

Allen Federal #23-6

9. API Well No.
43-013-30558

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

EQUITABLE RESOURCES ENERGY COMPANY (Balcron Oil Division)

3. Address and Telephone No.

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

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

NE SW Section 6, T9S, R17E
1984 FSL, 1985 FWL
1980 FSL, 1980 FWL

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

TYPE OF SUBMISSION

Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other Waterflood recompletion
 Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection
 Dispose Water

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

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

Operator intends to perform a recompletion for a waterflood on this well in accordance with the attached Waterflood Recompletion Procedure. Also attached is a Well Report which gives further details of the well. Work will begin immediately.

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

Date: 12/30/92

By: P. Jans

RECEIVED

DEC 17 1992

DIVISION OF
OIL GAS & MINING

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

Signed Bobbie Schuman

Coordinator of Environmental
and Regulatory Affairs

Date December 14, 1992

(This space for Federal or State office use)

Approved by _____ Federal Approval of this
Conditions of approval, if any: Action is Necessary

Title _____

Date _____

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

*See Instruction on Reverse Side

Balcron Oil
Allen Federal #23-6
NE SW Sec.6 Twn.9S Rge.17E
Duchesne County, Utah

Recompletion Procedure

- 1.) Move in and rig up completion rig.
- 2.) Trip out with rods and pump.
- 3.) Nipple up BOP. Trip out with 2 3/8" tubing.
- 4.) Rig up wire line truck. Run in hole and perforate using 4" casing guns from:
4735 to 4750 2SPF
- 5.) Pick up 5 1/2" retrievable bridge plug and 5 1/2" full bore packer. Trip in hole picking up 3 1/2" rental tubing. Set Bridge plug at 4770' KB. Set packer at 4700'KB.
- 6.) Pump 200 gallons 15% HCl acid and break down perfs. Pump frac job.
- 7.) Swab back frac load.
- 8.) Release packer. Wash down to bridge plug. Release plug and trip out laying down 3 1/2" tubing.
- 9.) Trip in hole with production tubing. Nipple up well head. Run pump and 3/4" rods.
- 10.) Rig down and move off completion rig.

Casing:

5486', 5 1/2", 15.50 #/ft, J-55
PBD = 5424'KB

Tubing:

169 joints (5310'), 2 3/8", 4.6 #/ft, J-55

Rods:

14 - 3/4" X 25' HBS rods
196 - 3/4" X 25' Plain rods

BALCRON OIL**WELL REPORT**

WELL NAME: Allen Federal #23-6
 FIELD: Monument Butte
 FEDERAL LEASE NO.: U-020252-A
 LOCATION: NE SW Sec. 6, T9S, R17E
 COUNTY/STATE: Duchesne, UT
 WORKING INTEREST: 1.00
 PRODUCING FORMATIO Green River
 COMPLETION DATE: 6-16-81
 INITIAL PRODUCTION: 167 STBOPD, 51 MSCFGPD, 37 STBWP
 OIL/GAS PURCHASER: Amoco/Grand Valley
 PRESENT PROD STATU 5 STBOPD, 29 MSCFGPD, 0 STBWP
 ELEVATIONS - GROUND: 5363'
 TOTAL DEPTH: 5495' KB

API NO.: 43-013-30558

NET REVENUE INT.: 0.825

SPUD DATE: 5-12-81
 OIL GRAVITY: 30.0 API
 BHT: 126 Deg.F
 DATE: 7-20-92
 KB: 5377' (14' KB)
 PLUG BACK TD: 5424' KB

SURFACE CASING

STRING: 1
 CSG SIZE: 8 5/8"
 GRADE: K-55
 WEIGHT: 24 lbs.
 LENGTH: 6 jts. @ 258'
 DEPTH LANDED: 272' KB
 HOLE SIZE: 12 1/4"
 CEMENT DATA: 190 sx, Class-H
 Cemented to surface

PRODUCTION CASING

STRING: 1
 CSG SIZE: 5 1/2"
 GRADE: K-55
 WEIGHT: 15.5 lbs.
 LENGTH: 130 jts. @ 5472'
 DEPTH LANDED: 5486' KB
 D.V. TOOL: 3322'
 HOLE SIZE: 7 7/8"
 CEMENT DATA: 960 sx, 50/50 poz
 CEMENT TOP AT: 3040'(3800' on btm stage)from CBL

TUBING RECORD

SIZE/GRADE/WT.: 2 3/8", J-55, 4.7#
 NO. OF JOINTS: 169 jts. LENGTH: 5296'
 TUBING LANDED AT: 5310' KB
 TUBING ANCHOR: none
 SEATING NIPPLE: 1 25/32" x 1.10"
 PERF. SUB: 2 3/8" x 4'
 MUD ANCHOR: none
 PACKER: none

PERFORATION RECORD

4249'-4254' (5') 1.25 SPF
 4256'-4267' (11') 1.25 SPF
 4792'-4808' (16') 1.25 SPF
 4890'-4898' (8') 1.25 SPF
 4904'-4908' (4') 1.25 SPF
 5244'-5260' (16') 1.25 SPF

ACID JOB

4792'-4808' 1500 gal WFC-1 Acid.
 4890'-4908' 1500 gal WFC-1 Acid.
 5244'-5260' 1500 gal 15% HCl Acid.

SUCKER ROD RECORD

14 - 3/4x25' HBS Rods
 196 - 3/4 x 25' Plain Rods
 1 - 1 1/2 x 22' Polish Rod

FRAC JOB

4792'-4808' Frac w/Western on 6-7-81.
 23,000 gal Gel w/27,000 lbs 20-40 sd., 16,000
 lbs. 10-20 sd., 1-4 lbs/gal. Avg 20 BPM @ 1800psig,
 max @ 1875psig, ISIP @ 1800, 15 min @ 1650psig,
 6 hrs @ 900psig.
 4890'-4908' Frac w/Western on 6-6-81.
 23,000 gal Gel w/ 43,000 lbs. 20-40 sd., 1-4 lbs/gal.
 Avg 20 BPM @ 2000psig, max @ 2050psig, ISIP @ 2000psig,
 15 min @ 1850psig, 6 hrs @ 1150psig.
 5244'-5260' Frac w/Western on 6-5-81.
 23,000 gal Gel w/22,000 gal 20-40 sd., 16,000 lbs.
 10-20 sd., ramped 2-4 lbs/gal. Avg 20 BPM @
 1975psig, max @ 2200psig, ISIP @ 1950psig, 15 min
 @ 1775psig, 6 hrs @ 1250psig.

PUMP SIZE: 2"x1 1/4"x12' RHAC
 STROKE LENGTH: 54"
 PUMP SPEED, SPM: 2.9
 PUMPING UNIT SIZE:
 PRIME MOVER:

LOGS: Acoustic Cement Bond-Gamma Ray, Cement Bond
 Log, Dual Induciton-SFL, Compensated
 Neutron-Formation Density, Borehole
 Compensated Sonic Log.



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

Bobbie Schuman
Coordinator of Operations,
Environmental and Regulatory Affairs

/rs

RECEIVED

MAR 08 1993

DIVISION OF
OIL GAS & MINING

| | |
|----------|---------|
| Routing: | |
| 1-LEC | 7-2181 |
| 2-DTS | 158-LEC |
| 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 FROM</u> (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</u>) <u>259-7860</u> | phone (<u>406</u>) <u>259-7860</u> |
| | account no. <u>N 9890</u> | account no. <u>N9890</u> |

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

| | | | | | | |
|----------------------------|------------|---------------|------------|------------|------------|-------------------|
| Name: **ALL WELLS** | 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).
- Sec 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(filed 3-8-93)*
- Sec 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.
- Sec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(3-19-93)*
- Sec 6. Cardex file has been updated for each well listed above. *(3-19-93)*
- Sec 7. Well file labels have been updated for each well listed above. *(3-19-93)*
- Sec 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)*
- Sec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- 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).
- 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 rider 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 Belcor 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.
- 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. see comments below

FILMING

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

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

930308 Btm 15.2. No change necessary, they always recognized company name as "Equitable Resources Energy Company, Belcor Oil Division".

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 Zone | Days Oper | Production Volume | | |
|--|----------------|-----------|-------------------|------------|-------------|
| API Number Entity Location | Zone | Oper | Oil (BBL) | Gas (MSCF) | Water (BBL) |
| MONMNT BUTTE 1-34 43013307363 00030 09S 16E 1 | GRRV | | | | |
| MONMNT BUTTE 1-24 43013307011 00050 09S 16E 1 | GRRV | | | | |
| ALLEN FEDERAL #1 43013157791 01110 09S 17E 6 | GRRV | | | | |
| ALLEN FEDERAL 23-6 43013305581 01120 09S 17E 6 | GRRV | | | | |
| ALLEN FEDERAL 32-6 43013305591 01120 09S 17E 6 | GRRV | | | | |
| ALLEN FEDERAL 41-6 43013305811 01120 09S 17E 6 | GRRV | | | | |
| ALLEN FEDERAL 43-6 43013305831 01120 09S 17E 6 | GRRV | | | | |
| ALLEN FEDERAL 21-6 43013305841 01120 09S 17E 6 | GRRV | | | | |
| ALLEN FEDERAL 34-6 43013305861 01120 09S 17E 6 | GRRV | | | | |
| ALLEN FEDERAL 13-6 43013309181 01120 09S 17E 6 | GRRV | | | | - w/w |
| ALLEN FEDERAL 22-6 43013309191 01120 09S 17E 6 | GRRV | | | | - w/w |
| ALLEN FEDERAL 12-5 43013306111 01125 09S 17E 5 | GRRV | | | | |
| ALLEN FEDERAL 12-6 43013305821 01135 09S 17E 6 | 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

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

August 3, 1993

-- VIA FEDERAL EXPRESS --

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

Gentlemen:

RE: Allen Federal #23-6
NE SW Section 6, T9S, R17E
Duchesne County, Utah

Enclosed is our sundry notice reporting our intent to set up a Field camp on the referenced location while drilling continues in our Monument Butte Field.

Sincerely,

Bobbie Schuman

Bobbie Schuman
Coordinator of Operations,
Environmental and Regulatory Affairs

/rs

Enclosure

cc: Utah Division of Oil, Gas and Mining

RECEIVED

AUG 6 5 1993

DIVISION OF
OIL GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

U-020252-A

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Allen Federal #23-6

9. API Well No.

43-013-30558

10. Field and Pool, or Exploratory Area

Monument Butte/Grn.River

11. County or Parish, State

Duchesne County, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.

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

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

NE SW Section 6, T9S, R17E
1980' FSL, 1980' FWL

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

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

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

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

Operator proposes to set up a temporary field camp (to be known as Camp Jonah) on this location for the purpose of providing a temporary, stationary location during drilling operations in our Monument Butte Field. The camp will be in use as long as drilling operations continue in this Field. Attached is a site diagram showing the proposed temporary field camp setup.

Verbal approval of this plan has been given by BLM representative, Stan Olmstead.

RECEIVED

AUG 01 1993

DIVISION OF
OIL, GAS & MINING

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

Signed Bobbie Schuman

Title Coordinator of Environmental and Regulatory Affairs

Date August 3, 1993

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

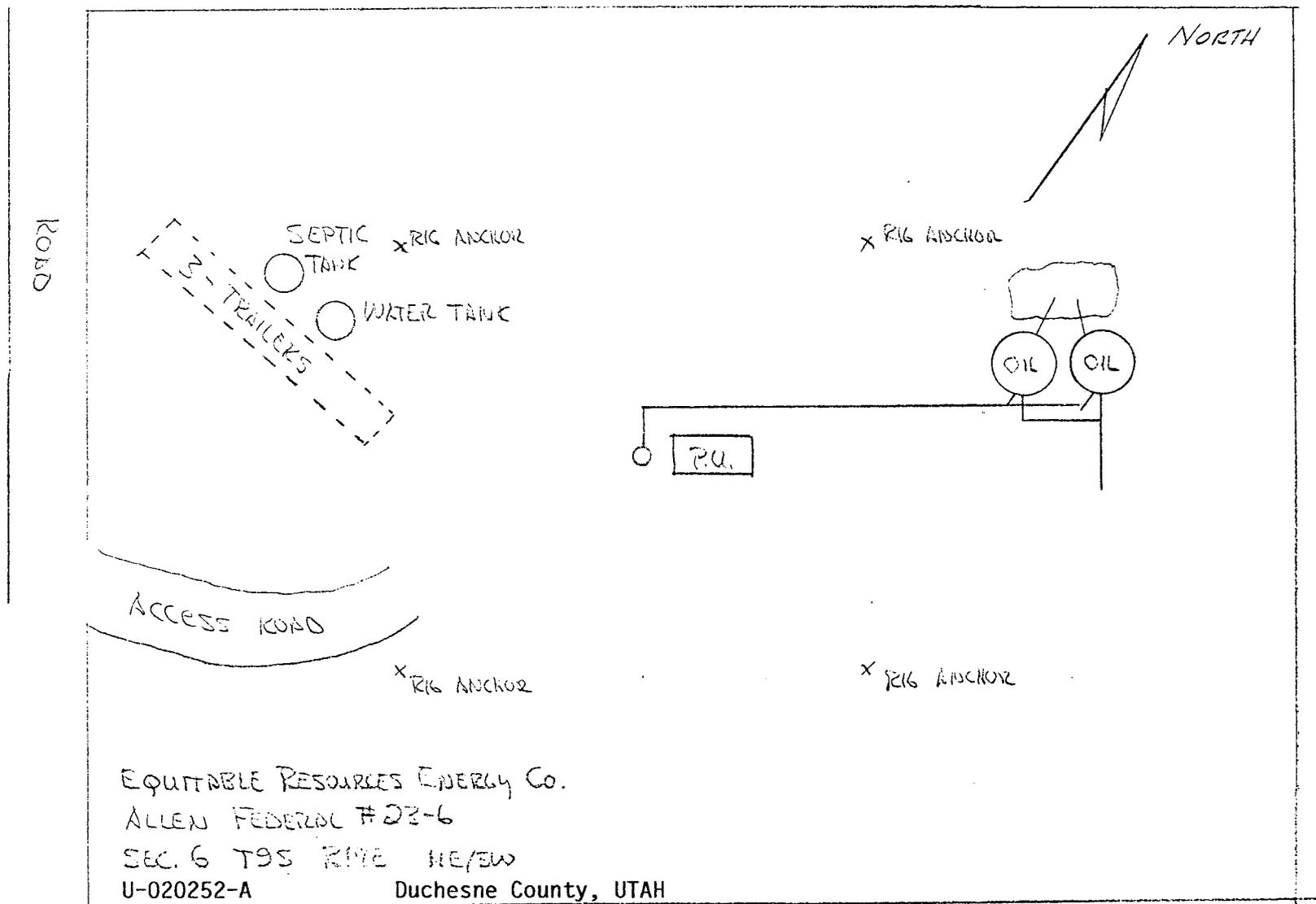
Date _____

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

*See Instruction on Reverse Side

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

PROPOSED TEMPORARY FIELD CAMP



BALCRON OIL
OPERATIONS DEPARTMENT

FROM THE DESK OF:
DAVE MCCOSKERY
Drilling Engineer

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.
U-020252A

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

7. If Unit or CA, Agreement Designation
Jonah Unit

8. Well Name and No.
Allen Federal #23-6

9. API Well No.
43-013-30558

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

11. County or Parish, State
Duchesne County, UTAH

1. Type of Well
 Oil Well Gas Well Other

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NE SW Section 6, T9S, R17E
1980' FSL, 1980' FWL

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

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

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

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

Due to the completion and approval of the Jonah Unit in the Monument Butte Field, Equitable Resources Energy Company, Balcron oil Division plans to ~~workover~~ workover this well in accordance with the attached workover procedure. We propose to perforate and fracture two potential oil sand zones in the Douglas Creek member of the Green River formation. The well will be swabbed to clean up and returned to production. Refer to the attached perforation table for additional information.

RECEIVED

SEP 02 1993

DATE: 9-7-93
BY: J.A. Matthews

DIVISION OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct
Signed Bobbie Schuman Title Coordinator of Environmental and Regulatory Affairs Date 9-1-93
(This space for Federal or State Office use)

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

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

*See Instruction on Reverse Side

Allen Federal #23-6
NE SW Section 6, T9S, R17E
Lease No. U-020252A
Monument Butte Field
Duchesne County, Utah
Jonah Unit

Workover Procedure

9-1-93
JZ

Proposed Operations: Complete well w/additional oil production zones. Perforate the RED1 Zone (9 ft w/4 spf from 4735'- 4740', 4746'- 4750' KB), GREEN4 Zone (6 ft w/4 spf from 5221'- 5224', 5231'- 5234' KB), breakdown and frac each interval w/15,000 lbs of sand down 2 3/8" tubing, RIH w/tubing, pump and rods, return the well to production.

Existing Perforations: YELLOW Zone @ 4249'- 4254', 4256'- 4267' KB w/1.25 spf.
RED2 Zone @ 4792'- 4808' KB w/1.25 spf.
RED5 Zone @ 4890'- 4898', 4904'- 4908' KB w/1.25 spf.
GREEN Zone @ 5244'- 5260' KB w/1.25 spf.

Capacity Data: 5 1/2", 15.5 #, J-55 csg 0.0238 STB/FT.
2 3/8", 4.6 #, J-55 tbg 0.00387 STB/FT.
5 1/2" x 2 3/8" annulus 0.0183 STB/FT.

RECEIVED

SEP 02 1993

DIVISION OF
OIL, GAS & MINING

Workover Procedure

- 1) MIRU pulling unit, ND wellhead, NU BOP.
- 2) TOOH w/rods & pump, RIH & check TD, TOOH w/tbg, strap tbg coming out.
- 3) RIH w/bit & scraper, SN, & 2 3/8" tbg, reverse circulate well to TD if required, TOOH w/tbg & tools.
- 3) RU Schlumberger, RIH w/logging tool & run gamma ray correlation log, RIH w/4" carrier gun & perforate as follows:
RED1 @ 4735'- 4740', 4746'- 4750' KB w/4 spf.
GREEN4 @ 5221'- 5224', 5231'- 5234' KB w/4 spf.

RIH w/wireline set RBP & set @ 5240' KB.
- 4) RIH w/retrieving tool, one jnt 2 3/8" tbg, SN, packer, & 2 3/8" tbg.
- 5) Land packer @ 5170' KB, circulate well w/ 2% KCl water to clean up the perforation debris, set packer @ 5170' KB.
- 6) Rig up frac trucks to breakdown perfs & fracture the formation.
- 7) Breakdown perfs w/ 2% KCl water & 50 ball sealers, ball out perfs, surge back ball sealers.

- 8) Pump 10 STB 2% KCl water to establish injection rate, record rate & pressure, shut down & record ISIP.
- 9) Start pumping pad & frac the zone w/15,000 lbs 16-30 mesh sand down the 2 3/8" tbg as per frac recommendation.
- 10) Release packer & TOOH w/2 3/8" tbg & packer.
- 11) RIH w/RBP, retrieving tool, one jnt 2 3/8" tbg, SN, packer, & 2 3/8" tbg.
- 12) Set RBP @ 4770' KB, pull the packer up hole & set @ 4690' KB, load backside w/2% KCL water.
- 13) Breakdown perfs w/ 2% KCl water & 72 ball sealers, ball out perfs, surge back ball sealers.
- 14) Pump 10 STB 2% KCl water to establish injection rate, record rate & pressure, shut down & record ISIP.
- 15) Start pumping pad & frac the zone w/15,000 lbs 16-30 mesh sand down the 2 7/8" tbg as per frac recommendation.
- 16) Swab well back to clean up the frac fluid, release packer & reverse circulate the sand out down to the RBP, circulate hole clean.
- 17) Retrieve the RBP, TOOH w/tbg & tools.
- 18) RIH w/retrieving tool, SN, & 2 3/8" tbg, tag for fill, land tbg @ 5200' KB.
- 19) Swab well back to clean up the frac fluid, reverse circulate the sand out down to the RBP, circulate hole clean.
- 20) Retrieve the RBP, TOOH w/tbg & tools.
- 21) RIH w/2 3/8" open ended MA w/crossbar, 2 3/8"x 4' perf sub, 2 3/8" SN, & 2 3/8" tbg, land SN @ 5270' KB.
- 22) RIH w/top hold down pump & 3/4 rods, hang well on, RDMO.

Balcron Oil
 Jonah Unit Waterflood
 Section 6, T9S, R17E
 Monument Butte Field
 Duchesne County, Utah

INJECTION WELL PERFORATIONS

| WELL NAME | ZONE NAME: | YELLOW | RED 1 | RED 2 | RED 5 | GREEN 1 | GREEN 3 | GREEN 4 | GREEN 5 | GREEN 6 | BLUE |
|--------------------|-------------|--------|-----------|-----------|-------------|-------------|-----------|-------------|-------------|---------|-------------|
| MONUMENT FED #11-6 | | | 4781-4790 | | | ++5044-5079 | 5208-5220 | | 5288-5336 | | |
| ALLEN FED #13-6 | | | 4744-4768 | | 4910-4930 | 5054-5066 | | | | | |
| ALLEN FED #22-6 | | | 4765-4771 | | 4910-4924 | | 5190-5200 | | 5270-5276 | | |
| MONUMENT FED #24-6 | | | 4678-4681 | | ++4811-4842 | | | ++5141-5157 | ++5165-5181 | | **5556-5569 |
| ALLEN FED #31-6 | | | | | | 5050-5056 | | 5235-5256 | | | |
| MONUMENT FED #33-6 | | | 4658-4676 | | 4814-4824 | | | | | | |
| MONUMENT FED #42-6 | | | 4756-4760 | | 4906-4928 | 5064-5070 | | | | | |
| ALLEN FED #1-6 | **4169-4180 | | 4698-4704 | 4752-4758 | | | 5140-5148 | | | | |

Presently Injecting
 Existing Perforations Proposed For Injection.
 ++ TO BE ADDED
 ** NOT TO BE USED FOR INJECTION

PRODUCING WELL PERFORATIONS

| WELL NAME | ZONE NAME: | YELLOW | RED 1 | RED 2 | RED 5 | GREEN 1 | GREEN 3 | GREEN 4 | GREEN 5 | GREEN 6 | BLUE |
|----------------|------------|-----------|-------------|-----------|-----------|-------------|-----------|-------------|-----------|-----------|-----------|
| ALLEN FED 12-6 | | 4302-4326 | ++4780-4788 | 4832-4851 | | ++5051-5055 | | | 5280-5301 | | 5665-5676 |
| ALLEN FED 21-6 | | | Possible | | | | 5173-5194 | 5220-5228 | 5277-5381 | 5414-5419 | |
| ALLEN FED 23-6 | | 4249-4267 | ++4735-4750 | 4792-4808 | 4890-4908 | | | ++5221-5234 | 5244-5260 | | |
| ALLEN FED 32-6 | | 4246-4289 | | | 4912-4934 | | | 5232-5354 | | | |
| ALLEN FED 34-6 | | | 4690-4715 | | 4856-4892 | | 5162-5177 | 5189-5230 | | | |
| ALLEN FED 41-6 | | 4281-4318 | 4750-4764 | | 4912-4938 | 5062-5068 | Possible | 5236-5260 | | | |
| ALLEN FED 43-6 | | | 4666-4680 | 4712-4742 | 4817-4848 | | | 5138-5178 | 5179-5205 | | |



EQUITABLE **RESOURCES**
ENERGY COMPANY

BALCRON OIL DIVISION

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

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

RECEIVED

SEP 02 1993

DIVISION OF
OIL, GAS & MINING

September 1, 1993

-- VIA FEDERAL EXPRESS --

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

Gentlemen:

Enclosed are sundry notices for workovers on the wells on the enclosed list. One of the sundry notices also is a notice that we intend to convert the well to injection in accordance with our EPA permit.

Sincerely,

Bobbie Schuman

Bobbie Schuman
Coordinator of Operations,
Environmental and Regulatory Affairs

/rs

Enclosures

cc: Utah Division of Oil, Gas and Mining
Chuck Williams, EPA

- 1) Balcron Monument Federal #11-6
NW NW Section 6, T9S, R17E
Lease No. U-020252A
Monument Butte Field
Duchesne County, Utah
- 2) Allen Federal #13-6
NW SW Section 6, T9S, R17E
Lease No. U-020252A
Monument Butte Field
Duchesne County, Utah
- 3) Balcron Monument Federal #24-6
SW SW Section 6, T9S, R17E
Lease No. U-020252A
Monument Butte Field
Duchesne County, Utah
- 4) Balcron Monument Federal #42-6
SE NE Section 6, T9S, R17E
Lease No. U-020252A
Monument Butte Field
Duchesne County, Utah
- 5) Allen Federal #1-6
SE SE Section 6, T9S, R17E
Lease No. U-020252A
Monument Butte Field
Duchesne County, Utah
- 6) Allen Federal #31-6
NW NE Section 6, T9S, R17E
Lease No. U-020252A
Monument Butte Field
Duchesne County, Utah
- 7) Allen Federal #12-6
SW NW Section 6, T9S, R17E
Lease No. U-020252A
Monument Butte Field
Duchesne County, Utah
- 8) Allen Federal #23-6
NE SW Section 6, T9S, R17E
Lease No. U-020252A
Monument Butte Field
Duchesne County, Utah

RECEIVED

SEP 20 1993

OPERATOR Balcron Oil
 ADDRESS P.O. Box 21017
Billings MT 59104

OPERATOR ACCT. NO. H 9890

| ACTION CODE | CURRENT ENTITY NO. | NEW ENTITY NO. | API NO. | DIVISION OF OIL, GAS & MINING | WELL NAME | WELL LOCATION | | | | SPUD DATE | EFFECTIVE DATE | |
|--------------------------------|--------------------|----------------|------------|-------------------------------|-----------|---------------|----|----|-----|-----------|----------------|--------|
| | | | | | | QQ | SC | TP | RG | | | COUNTY |
| D | 01135 | 11492 | 4301330582 | | AF 12-6 | SW NW | 6 | 95 | 17E | Duchesne | | 7/1/93 |
| WELL 1 COMMENTS: Jonah Unit | | | | | | | | | | | | |
| D | 01120 | 11492 | 4301330918 | | AF 13-6 | NW SW | 6 | 95 | 17E | Duchesne | | 7/1/93 |
| WELL 2 COMMENTS: | | | | | | | | | | | | |
| D | 01120 | 11492 | 4301330584 | | AF 21-6 | Lot 3 | 6 | 95 | 17E | Duchesne | | 7/1/93 |
| WELL 3 COMMENTS: | | | | | | | | | | | | |
| D | 01120 | 11492 | 4301330919 | | AF 22-6 | SE NW | 6 | 95 | 17E | Duchesne | | 7/1/93 |
| WELL 4 COMMENTS: | | | | | | | | | | | | |
| D | 01120 | 11492 | 4301330558 | | AF 23-6 | NE SW | 6 | 95 | 17E | Duchesne | | 7/1/93 |
| WELL 5 COMMENTS: | | | | | | | | | | | | |

ACTION CODES (See instructions on back of form)

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

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

(3/89)

Dawn Schindler
 Signature
Prod. Acct
 Title
9-15-93
 Date
 Phone No. (406) 259-7860

BALCRON MONUMENT FED. #24-6

Operation: EREC/Baloron
BOD WI: 79.78%
Location: SE SW Section 6, T9S, R17E
Duchesne County, Utah
Prospect: Jonah Unit, Monument Butte Field

---TIGHT HOLE---

9-9-93

Completion for injection.

RU to swab well, tbg @ 0 psig, csg @ 75 psig. RIH w/swab, tag fluid @ 2000'. Swab well to clean up perfs, pulled 19 swab runs, recovered 92 STB fluid w/5 to 10% oil, out, recovered little sand. LD swab tools & RU to pull tbg. Release packer, RIH 75' & tag sand @ 4850' KB (8' below btm perf), RU to wash out sand. Circ sand down to RBP @ 4980' KB (60 STB to break circ & used 140 STB 2% KC wtr to wash out sand). Lost approx. 100 STBW while washing out sand. Release RBP @ 4901' KB. LD 4 jts 2-7/8" tbg, TOOH w/78 1/2 stds 2-7/8" tbg, SN, packer, 1 jt 2-7/8" tbg, ret. tool, & RBP. LD tools. RIH w/1 jt 2-7/8" tbg, packer, SN, 157 jts 2-7/8" tbg. Set packer @ 4770' KB. SDFN. Load recovered @ 86 STBW. Load to recover @ 546 STB + 100 STB - 86 STB = 560 STB.
DC: \$2,853 CC: \$36,369

ALLEN FEDERAL #23-6

Operator: EREC/Baloron
Location: NE SW Section 6, T9S, R17E
Duchesne County, Utah
Prospect: Jonah Unit, Monument Butte Field

---TIGHT HOLE---

9-9-93

Completion for oil production.

RU Western to frac. Load backside w/61 STB 2% KCL wtr. Breakdown perfs (5221'-5223', 5231'-5234' KB w/4 SPF) w/50 ball sealers, ran 2 ball per STB for 25 STB, displace w/20 STBW, good ball action w/ball off @ 5500 psig, surge balls back. Frac perf (5221'-5234' KB) w/16000# 16-30 mesh sand w/280 STB total fluid, average 12.0 STBPM @ 4100 psig, max 4800 psig. ISIP @ 1800 psig, 15 min @ 1350 psig. Flow back well & release packer. TOOH w/tbg, SN, 1 jt 2-3/8" tbg, ret. tool. RIH w/ret. tool, 1 jt 2-3/8" tbg, packer, SN & tbg. Set RBP @ 4770' KB. Set packer @ 4653' KB, end of tbg @ 4689' KB. Breakdown perfs (4735'-4740', 4746'-4750' KB w/4 SPF) w/72 ball sealers, ran 2 balls per STB for 25 STB 2% KCl wtr, displace w/19 STBW, good ball action w/no ball off. Frac perfs (4735'-4750' KB) w/14000# 16-30 mesh sand & 339 STB total fluid, average 12.3 STBPM @ 4200 psig, max 5400 psig, ISIP @ not conclusive, started pumping pad & had problems w/chemical pump @ 48 STB into pad, replace pump & start pad over, pumped 11 STB of the 19 STB flush volume & screened out, left 120' of sand in csg & 120' of sand in tbg (2000#). SWI & SDFN. Total load to recover @ 680 STB + 250 STB = 930 STBW.
DC: \$28,888 CC: \$41,499

Balcron Oil DAILY OPERATING REPORT

DATE: 9/9/93

ALLEN FEDERAL #23-6

Operator: EREC/Balcron
BOD WI: 79.78¢
Location: NE SW Section 6, T9S, R17E
Duchesne County, Utah
Prospect: Jonah Unit, Monument Butte Field

9-7-93

Completion of the RED1 & GREEN4 zones for oil production. MIRU B&B Well Service, hang well off. Hot oil csg annulus w/20 STB 2¢ KCl wtr. Unseat pump, hot oil rods & tbg w/30 STB 2¢ KCl wtr. TOOH w/210 rods (196 3/4" rods & 14 3/4" guided rods) & one 2-1/2" x 1-1/4" x 16' pump. ND wellhead, NU BOP. RIH w/tbg & tag TD @ 5343' KB. (Btm perfs @ 5244'-5260' KB w/PBTD @ 5424' KB) 83' rathole. TOOH w/169 jts 2-3/8" J-55 tbg, SN, 6' perf sub, & notched collar. RU Four Star Hydrotesters. RIH w/bit scraper, & tbg, hydrotest tbg going into hole to 6000 psig, did not blow any jts. SDFN.
DC: \$5,453
CC: \$5,453

9-8-93

Completion for oil production. Try to wash well to TD, could not establish circulation w/250 STB 2¢ KCl wtr (tagged fill @ 5343' KB). TOOH w/bit, scraper & tbg. RU Schlumberger to perf, perf from: 4735'-4740', 4746'-4750' KB w/4 SPF; 5221'-5224', 5231'-5234' KB w/4 SPF. Tag fill @ 5334' KB. Tag fluid @ 3400' KB. TIH w/wireline set RBP, stacked out @ 3700', PU & go down w/no more problem (log shows something @3700'). Set RBP @ 5340' KB. RIH w/ret tool, 1 jt 2-3/8" tbg, Arrow HD packer, SN & tbg. Set packer @ 5157' KB. RU to swab well down. SDFN.
DC: \$7,158
CC: \$12,611

Balcron Oil DAILY OPERATING REPORT

DATE: 9/9/93

ALLEN FEDERAL #23-6

Operator: EREC/Balcron
BOD WI: 79.78%
Location: NE SW Section 6, T9S, R17E
Duchesne County, Utah
Prospect: Jonah Unit, Monument Butte Field

9-7-93 Completion of the RED1 & GREEN4 zones for oil production. MIRU B&B Well Service, hang well off. Hot oil csg annulus w/20 STB 2% KCl wtr. Unseat pump, hot oil rods & tbg w/30 STB 2% KCl wtr. TOOH w/210 rods (196 3/4" rods & 14 3/4" guided rods) & one 2-1/2" x 1-1/4" x 16' pump. ND wellhead, NU BOP. RIH w/tbg & tag TD @ 5343' KB. (Btm perms @ 5244'-5260' KB w/PBTD @ 5424' KB) 83' rathole. TOOH w/169 jts 2-3/8" J-55 tbg, SN, 6' perf sub, & notched collar. RU Four Star Hydrotesters. RIH w/bit scraper, & tbg, hydrotest tbg going into hole to 6000 psig, did not blow any jts. SDFN.
DC: \$5,453 CC: \$5,453

9-8-93 Completion for oil production. Try to wash well to TD, could not establish circulation w/250 STB 2% KCl wtr (tagged fill @ 5343' KB). TOOH w/bit, scraper & tbg. RU Schlumberger to perf, perf from: 4735'-4740', 4746'-4750' KB w/4 SPF; 5221'-5224', 5231'-5234' KB w/4 SPF. Tag fill @ 5334' KB. Tag fluid @ 3400' KB. TIH w/wireline set RBP, stacked out @ 3700', PU & go down w/no more problem (log shows something @3700'). Set RBP @ 5340' KB. RIH w/ret tool, 1 jt 2-3/8" tbg, Arrow HD packer, SN & tbg. Set packer @ 5157' KB. RU to swab well down. SDFN.
DC: \$7,158 CC: \$12,611

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

U-020252A

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Allen Federal #23-6

9. API Well No.

43-013-30558

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NE SW Section 6, T9S, R17E.
1980' FSL, 1980' FWL

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

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

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

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

Work was done on this well in accordance with the attached report.

14. I hereby certify that the foregoing is true and correct
Signed Lobbie Schuman Title Coordinator of Environmental and Regulatory Affairs Date December 28, 1993
LOBBIE SCHUMAN

(This space for Federal or State office use)

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

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

*See Instruction on Reverse Side

EPEC Balcon Oil Division

Jonah Unit
Monument Butte Field

Attachment to Sundry Notice for work completed.

Allen Federal #23-6
NE SW Section 6, T9S, R17E
Lease No. U-020252A
Monument Butte Field
Duchesne County, Utah
Jonah Unit

As per verbal approval from Ed Forsman on 9-3-93, the following work was performed:

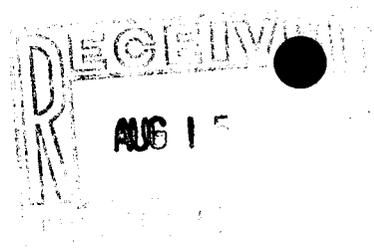
- 1) MIRU B&B Well Service.
0
- 2) Perforate the Red-1 & Green-4 zones.
RED1 Zone @ 4735'- 4740', 4746'- 4750' KB w/4 spf.
GREEN1 Zone @ 5221'- 5224', 5231'- 5234' KB w/4 spf.
- 3) Breakdown & frac perfs @ 5221'- 5234' KB.
Breakdown perfs w/25 STB 2% KCl water & 50 ball sealers.
Frac perfs w/16,000 lbs of 16-30 mesh sand & 280 STB gelled 2% KCl water, 12.0 STBPM @ 4100 psig, ISIP @ 1800 psig.
- 4) Breakdown & frac perfs @ 4735'- 4750' KB.
Breakdown perfs w/35 STB 2% KCl water & 72 ball sealers.
Frac perfs w/14,000 lbs of 16-30 mesh sand & 339 STB gelled 2% KCl water, 12.3 STBPM @ 4200 psig, ISIP not conclusive, frac screened out w/8 STB of flush left to pump.
- 5) Wash sand from well & swab to clean up perfs.
- 6) Return well to production.



**EQUITABLE RESOURCES
ENERGY COMPANY**

BALCRON OIL DIVISION

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



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

August 11, 1994

-- VIA FEDERAL EXPRESS --

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

Gentlemen:

Attached is our sundry notice requesting renewal of the approval for our temporary field camp on the location of the Allen Federal #23-6. As you know, this provides a temporary, stationary location during drilling operations in our Monument Butte Field and area so we are able to refrain from moving the trailers and associated septic systems every ten days or so which cuts down on erosion, surface disturbance, and dust pollution.

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

Sincerely,

Bobbie Schuman
Regulatory and Environmental Specialist

/hs

Attachment

cc: Utah Division of Oil, Gas and Mining

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

AUG 15 1994

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

U-020252-A

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Allen Federal #23-6

9. API Well No.

43-013-30558

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NE SW Section 6, T9S, R17E
1980' FSL, 1980' FWL

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

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

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

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

Operator has had a temporary field camp (known as Camp Jonah) on this location with approval of the Bureau of Land Management for the past year. Our Conditions of Approval note that the camp facility is approved for a one-year period with provisions for renewal. The purpose of the camp is to provide a temporary, stationary location during drilling operations in our Monument Butte Field and area. A copy of the site diagram is attached.

We request renewal of the approval for this camp for a minimum of two years with provisions made for additional renewal at the end of that period.

Accepted by the
Utah Division of
Oil, Gas and Mining

FOR RECORD ONLY

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

Signed Bobbie Schuman

Regulatory and
Title Environmental Specialist

Date 8-11-94

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

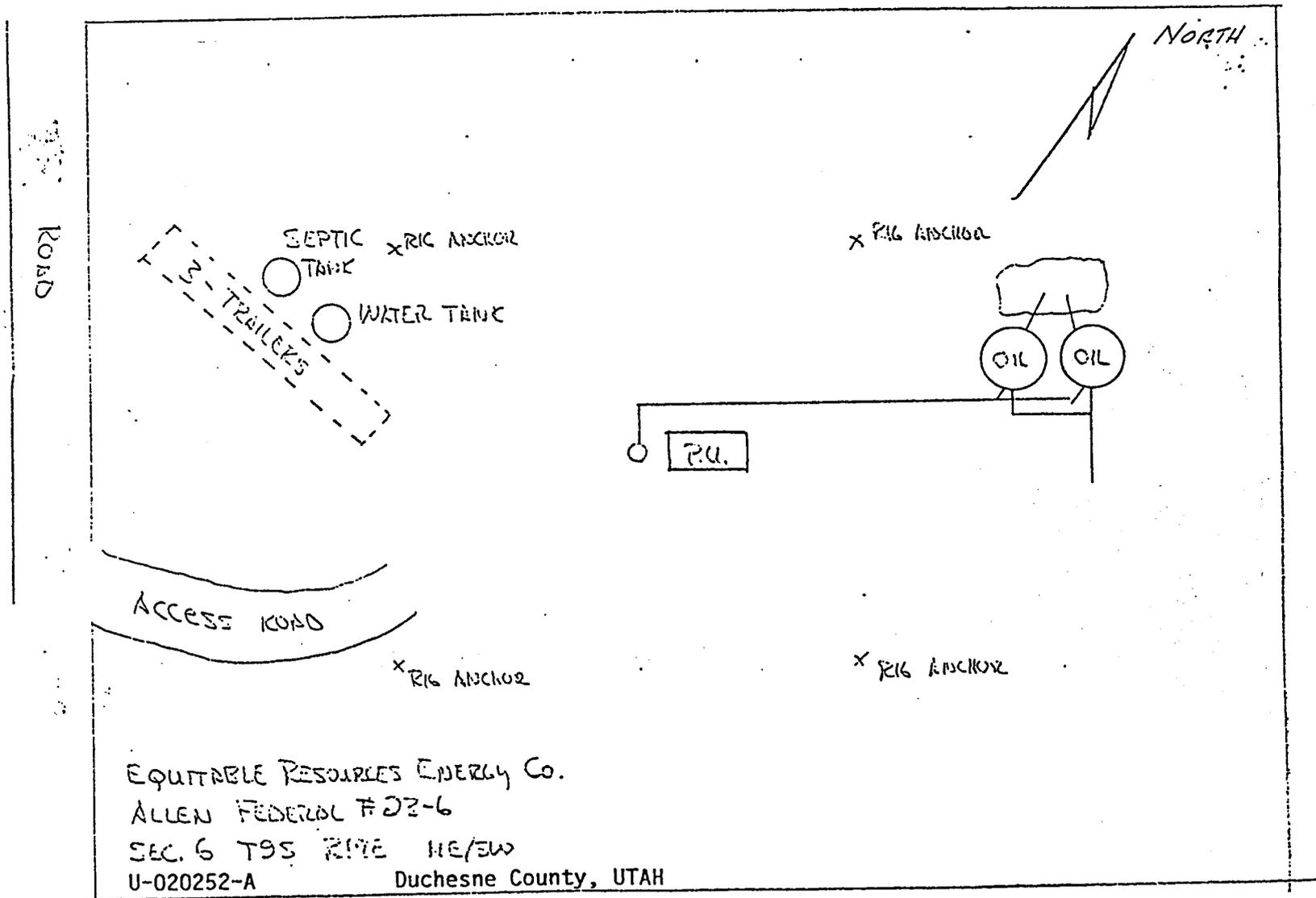
Title _____ Date _____

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

*See Instruction on Reverse Side

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

PROPOSED TEMPORARY FIELD CAMP



BALCRON OIL
OPERATIONS DEPARTMENT

FROM THE DESK OF:
DAVE MCCOSKERY
Drilling Engineer



**EQUITABLE RESOURCES
ENERGY COMPANY**

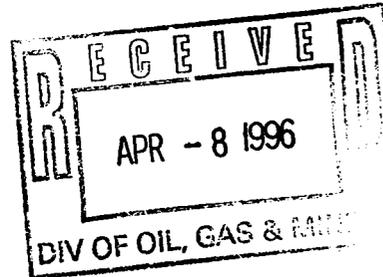
BALCRON OIL DIVISION

1601 Lewis Avenue
Billings, MT 59102

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

March 22, 1996

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



Gentlemen:

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

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

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

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

Sincerely,

Bobbie Schuman
Bobbie Schuman
Regulatory and
Environmental Specialist

/hs

Enclosures

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial Number:
See attached listing

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

7. Unit Agreement Name:
See attached listing

8. Well Name and Number:
See attached listing

9. API Well Number:
See attached listing

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

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

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

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

4. Location of Well
Footages: See attached listing

County: See attached list

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

State: UTAH

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

NOTICE OF INTENT
(Submit in Duplicate)

SUBSEQUENT REPORT
(Submit Original Form Only)

- 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

- 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

Approximate date work will start _____

Date of work completion _____

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

* Must be accompanied by a cement verification report.

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

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

MAR 27 1996

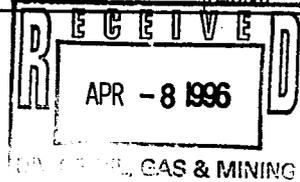
13. Name & Signature: Bobbie Schuman
Bobbie Schuman

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

(This space for State use only)

UTAH - ALL

| 03/27/96 | | | | | | | | | | | | | | |
|--|----------------|---------|------|------|-------|----------|-----|----------|-------------|------------|--------------|----------------------|-----------|-----------------------|
| EQUITABLE REOURCES ENERGY COMPANY, WESTERN REGION-OPERATED WELL LIST | | | | | | | | | | | | | | |
| Revised 3/20/96 | | | | | | | | | | | | | | |
| (CURRENT) | | | | | | | | | | | | | | |
| ST = State | | | | | | | | | | | | | | |
| FED. OR STATE | | | | | | | | | | | | | | |
| WELL NAME | FIELD | QTR/QTR | SEC. | TWP. | RANGE | COUNTY | ST. | STATUS | ZONE | LEASE NO. | API NUMBER | FOOTAGES | BLM OFFI | UNIT OR WELL FILE NO. |
| 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 |
| Allen Federal #1-6 | Monument Butte | SE SE | 6 | 9S | 17E | Duchesne | UT | WW | Green River | U-020252-A | 43-013-15779 | 660' FSL, 660' FEL | Vernal | Jonah |
| Allen Federal #12-5 | Monument Butte | SW NW | 5 | 9S | 17E | Duchesne | UT | Oil | Green River | U-020252 | 43-013-30611 | 1980' FNL, 660' FWL | Vernal | Jonah |
| Allen Federal #12-6 | Monument Butte | SW NW | 6 | 9S | 17E | Duchesne | UT | Oil | Green River | U-020252-A | 43-013-30582 | 1980' FNL, 604' FWL | Vernal | Jonah |
| Allen Federal #13-6 | Monument Butte | NW SW | 6 | 9S | 17E | Duchesne | UT | WW | Green River | U-020252-A | 43-013-30918 | 2070' FSL, 578' FWL | Vernal | Jonah |
| Allen Federal #21-5 | Monument Butte | NE NW | 5 | 9S | 17E | Duchesne | UT | Oil | Green River | U-020252 | 43-013-30612 | 660' FNL, 1980' FWL | Vernal | Jonah |
| Allen Federal #21-6 | Monument Butte | NE NW | 6 | 9S | 17E | Duchesne | UT | Oil | Green River | U-020252-A | 43-013-30584 | 660' FNL, 1980' FWL | Vernal | Jonah |
| Allen Federal #22-6 | Monument Butte | SE NW | 6 | 9S | 17E | Duchesne | UT | WW | Green River | U-020252-A | 43-013-30919 | 2141' FNL, 1902' FWL | Vernal | Jonah |
| Allen Federal #23-6 | Monument Butte | NE SW | 6 | 9S | 17E | Duchesne | UT | Oil | Green River | U-020252-A | 43-013-30558 | 1980' FSL, 1980' FWL | Vernal | Jonah |
| Allen Federal #31-6 | Monument Butte | NW NE | 6 | 9S | 17E | Duchesne | UT | WW | Green River | U-020252-A | 43-013-31195 | 660' FNL, 1980' FEL | Vernal | Jonah |
| Allen Federal #32-6 | Monument Butte | SW NE | 6 | 9S | 17E | Duchesne | UT | Oil | Green River | U-020252-A | 43-013-30559 | 1980' FNL, 1980' FEL | Vernal | Jonah |
| Allen Federal #34-6 | Monument Butte | SW SE | 6 | 9S | 17E | Duchesne | UT | Oil | Green River | U-020252-A | 43-013-30586 | 662' FSL, 2075' FEL | Vernal | Jonah |
| Allen Federal #41-6 | Monument Butte | NE NE | 6 | 9S | 17E | Duchesne | UT | Oil | Green River | U-020252-A | 43-013-30581 | 661' FNL, 655' FEL | Vernal | Jonah |
| Allen Federal #43-6 | Monument Butte | NE SE | 6 | 9S | 17E | Duchesne | UT | Oil | Green River | U-020252-A | 43-013-30583 | 1980' FSL, 660' FEL | Vernal | Jonah |
| Allen Federal A #1 | Monument Butte | NW NW | 5 | 9S | 17E | Duchesne | UT | Oil | Green River | U-020252 | 43-013-15780 | 660' FNL, 660' FWL | Vernal | Jonah |
| Amerada Guinand #1 | Coyote Basin | SW NW | 7 | 8S | 25E | Uintah | UT | WW | Green River | U-016271-V | 43-047-20245 | 1920' FNL, 550' FWL | Vernal | Coyote Basin |
| Asp Federal #1 | Wildcat | C/SW | 12 | 16S | 19W | Millard | UT | PND | Paleozoic | UTU-69960 | | 1320' FSL, 1320' FWL | Richfield | |
| Balcron Allen Fed. #31-6G | Monument Butte | NW NE | 6 | 9S | 17E | Duchesne | UT | Gas | Green River | U-020252-A | 43-013-31442 | 708' FNL, 2076' FEL | Vernal | |
| Balcron Coyote Fed. #12-5 | Coyote Basin | SW NW | 5 | 8S | 25E | Uintah | UT | OSI | Green River | U-063597-A | 43-047-32253 | 1980' FNL, 660' FWL | Vernal | Coyote Basin |
| Balcron Coyote Fed. #13-5 | Coyote Basin | NW SW | 5 | 8S | 25E | Uintah | UT | Oil | Green River | U-063597-A | 43-047-32261 | 1605' FSL, 586' FWL | Vernal | Coyote Basin |
| Balcron Coyote Fed. #13-7 | Coyote Basin | NW SW | 7 | 8S | 25E | Uintah | UT | Oil | Green River | U-41377 | 43-047-32255 | 1980' FSL, 660' FWL | Vernal | Coyote Basin |
| Balcron Coyote Fed. #21-5 | Coyote Basin | NE NW | 5 | 8S | 25E | Uintah | UT | Oil | Green River | U-063597-A | 43-047-32260 | 660' FNL, 1980' FWL | Vernal | Coyote Basin |
| Balcron Coyote Fed. #22-7 | Coyote Basin | SE NW | 7 | 8S | 25E | Uintah | UT | Oil | Green River | U-41377 | 43-047-32256 | 1749' FNL, 1601' FWL | Vernal | Coyote Basin |
| Balcron Coyote Fed. #23-5 | Coyote Basin | NE SW | 5 | 8S | 25E | Uintah | UT | PND | Green River | U-065597A | 43-047-32424 | 2110' FSL, 1980' FWL | Vernal | Coyote Basin |
| Balcron Coyote Fed. #31-7 | Coyote Basin | NW NE | 7 | 8S | 25E | Uintah | UT | Oil | Green River | U-020309-D | 43-047-32254 | 561' FNL, 1977' FEL | Vernal | Coyote Basin |
| Balcron Coyote Fed. #33-5 | Coyote Basin | NW SE | 5 | 8S | 25E | Uintah | UT | Oil | Green River | U-063597-A | 43-047-32257 | 1892' FSL, 2326' FEL | Vernal | Coyote Basin |
| Balcron Coyote Fed. #33-7 | Coyote Basin | NW SE | 7 | 8S | 25E | Uintah | UT | PND | Green River | U-51001 | 43-047-32259 | 751' FSL, 1922' FEL | Vernal | |



Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

| | |
|---|-------------|
| 1 | LEP 7-SJ |
| 2 | DPS 58-FILE |
| 3 | VLD (GIL) |
| 4 | RJE |
| 5 | DE |
| 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: **SEE ATTACHED** | API: <u>013-30558</u> | Entity: _____ | Sec _____ | Twp _____ | Rng _____ | Lease Type: _____ |
| Name: _____ | API: _____ | Entity: _____ | Sec _____ | Twp _____ | Rng _____ | Lease Type: _____ |
| Name: _____ | API: _____ | Entity: _____ | Sec _____ | Twp _____ | Rng _____ | Lease Type: _____ |
| Name: _____ | API: _____ | Entity: _____ | Sec _____ | Twp _____ | Rng _____ | Lease Type: _____ |
| Name: _____ | API: _____ | Entity: _____ | Sec _____ | Twp _____ | Rng _____ | Lease Type: _____ |
| Name: _____ | API: _____ | Entity: _____ | Sec _____ | Twp _____ | Rng _____ | Lease Type: _____ |
| Name: _____ | API: _____ | Entity: _____ | Sec _____ | Twp _____ | Rng _____ | Lease Type: _____ |

OPERATOR CHANGE DOCUMENTATION

- Y 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 4-4-96 & 4-8-96)*
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) _____ If yes, show company file number: _____
- * 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- Y 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) ~~for each well listed above.~~ *(4-10-96)*
- Y 6. Cardex file has been updated for each well listed above. *(4-11-96)*
- Y 7. Well file labels have been updated for each well listed above. *(4-11-96)*
- Y 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(4-10-96)*
- Y 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Yes 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) Schem Ins. Co. (Bond Rider In Progress)

- Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- 2. A copy of this form has been placed in the new and former operators' bond files.
- N/A 3. The former operator has requested a release of liability from their bond (yes/no) . Today's date 19 . If yes, division response was made by letter dated 19 .

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 19 , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- DTS 2. Copies of documents have been sent to State Lands for changes involving State leases.
sent to Ed Bonner - Trust Lands

FILMING

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

FILING

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

COMMENTS

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

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

UTAH ACCOUNT NUMBER: N9890

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

REPORT PERIOD (MONTH/YEAR): 3 / 96

AMENDED REPORT (Highlight Changes)

| Well Name | | | Producing Zone | Well Status | Days Oper | Production Volumes | | |
|---------------|---------------------|------------|----------------|-------------|-----------|--------------------|----------|------------|
| API Number | Entity | Location | | | | OIL(BBL) | GAS(MCF) | WATER(BBL) |
| ✓ | MONUMENT FED 22-12J | | GRRV | | | | | |
| 4301315796 | 11492 | 09S 16E 12 | | | | | | |
| ✓ | MONUMENT FED 42-11J | | GRRV | | | | | |
| 4301330066 | 11492 | 09S 16E 11 | | | | | | |
| ✓ | ALLEN FEDERAL 23-6 | | GRRV | | | | | |
| 4301330558 | 11492 | 09S 17E 6 | | | | | | |
| ✓ | ALLEN FEDERAL 32-6 | | GRRV | | | | | |
| 4301330559 | 11492 | 09S 17E 6 | | | | | | |
| ✓ | ALLEN FEDERAL 41-6 | | GRRV | | | | | |
| 4301330581 | 11492 | 09S 17E 6 | | | | | | |
| ✓ | ALLEN FEDERAL 12-6 | | GRRV | | | | | |
| 4301330582 | 11492 | 09S 17E 6 | | | | | | |
| ✓ | ALLEN FEDERAL 43-6 | | GRRV | | | | | |
| 4301330583 | 11492 | 09S 17E 6 | | | | | | |
| ✓ | ALLEN FEDERAL 21-6 | | GRRV | | | | | |
| 4301330584 | 11492 | 09S 17E 6 | | | | | | |
| ✓ | ALLEN FEDERAL 34-6 | | GRRV | | | | | |
| 4301330586 | 11492 | 09S 17E 6 | | | | | | |
| ✓ | FEDERAL 2-1 | | GRRV | | | | | |
| 4301330603 | 11492 | 09S 16E 1 | | | | | | |
| ✓ | ALLEN FEDERAL 12-5 | | GRRV | | | | | |
| 4301330611 | 11492 | 09S 17E 5 | | | | | | |
| ✓ | ALLEN FEDERAL 21-5 | | GRRV | | | | | |
| 4301330612 | 11492 | 09S 17E 5 | | | | | | |
| ✓ | CASTLE PK FED 31-15 | | GRRV | | | | | |
| 4301330613 | 11492 | 09S 16E 15 | | | | | | |
| TOTALS | | | | | | | | |

COMMENTS: _____

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

Date: _____

Name and Signature: _____

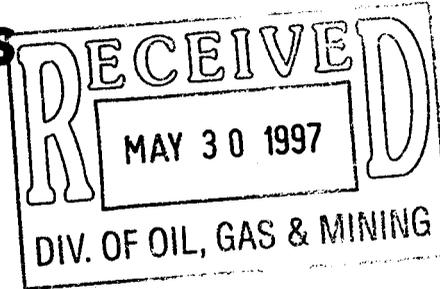
Telephone Number: _____



EQUITABLE RESOURCES
ENERGY COMPANY

WESTERN REGION

1601 Lewis Avenue
Billings, MT 59102



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

May 27, 1997

Utah Board Of Oil, Gas, & Mining
1594 West North Temple
Suite-1220
Salt Lake City, Utah 84114

In accordance with your request please find enclosed the 1997 produced water analysis for the Uinta Basin waterflood and water disposal operations which are operated by Equitable Resources Energy Company. These water analysis are for wells that are re-injecting or disposing produced water back into the Green River Formation via the following facilities:

Jonah Secondary Recovery Unit
Beluga Secondary Recovery Unit
Coyote Basin Secondary Recovery Unit
Castle Draw (State Section-2) Pilot Waterflood
Pariette Bench Water Disposal Well #4

Equitable Resources Energy Company inadvertently failed to submit a copy of these water analysis when they were sent to the EPA and BLM. If there are any questions please contact me at our Billings, Montana office at 406-259-7860.

Respectfully,

John Zellitti
District Production Engineer

Water Analysis Report

Customer : EREC - Western Oil Company

Address : 1601 Lewis Avenue

City : Billings

State : MT **Postal Code :** 59104-

Attention : John Zellitti

cc1 : Dan Farnsworth

cc2 : Joe Ivey

cc3 :

Sonah Unit
Field : Monument Butte Field

Lease : Allen Federal Lease

Location : Well No. 23-06

Sample Point : wellhead

Date Sampled : 23-Jan-97

Date Received : 23-Jan-97

Date Reported: 08-Feb-97

Salesman : Lee Gardiner

Analyst : Karen Hawkins Allen

CATIONS

Calcium : 60 mg/l
Magnesium : 19 mg/l
Barium : 0 mg/l
Strontium : 0 mg/l
Iron : 0.0 mg/l
Sodium : 1722 mg/l

pH (field) : 8.60
Temperature : 85 degrees F
Ionic Strength : 0.08

Resistivity : ohm/meters
Ammonia : ppm

Comments :

ANIONS

Chloride: 2,700 mg/l
Carbonate: 24 mg/l
Bicarbonate: 183 mg/l
Sulfate: 14 mg/l

Specific Gravity : 1.007 grams/ml
Total Dissolved Solids : 4,722 ppm
CO2 in Water : 1 mg/l
CO2 in Gas : 0.03 mole %
H2S in Water : 0.0 mg/l
O2 in Water : 0.000 ppm

SI calculations based on Tomson-Oddo

| | | | |
|-------------------------------|-------|------------------------|------|
| Calcite (CaCO3) SI : | 0.34 | Calcite PTB : | 17.6 |
| Gypsum (CaSO4) SI : | -3.40 | Gypsum PTB : | N/A |
| Barite (BaSO4) SI : | N/A | Barite PTB : | N/A |
| Celestite (SrSO4) SI : | N/A | Celestite PTB : | N/A |

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

43-013-30558

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)
See Attached

5. Lease Designation and Serial No.
See Attached

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

7. If Unit or CA, Agreement Designation
Jonah Unit
UTU72086A

8. Well Name and No.
See Attached

9. API Well No.
See Attached

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

11. County or Parish, State
Duchesne County, UT

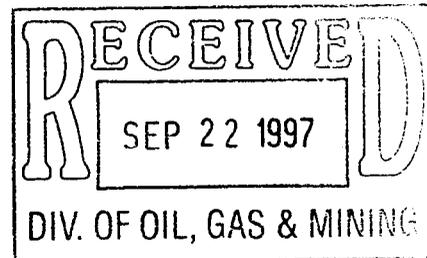
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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

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

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

Attached are the Site Security Diagrams for the list of wells on the attached Exhibit.



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

Signed Molly Conrad Title Agent for Equitable Resources Energy Company Date 9-15-97

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any: _____

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

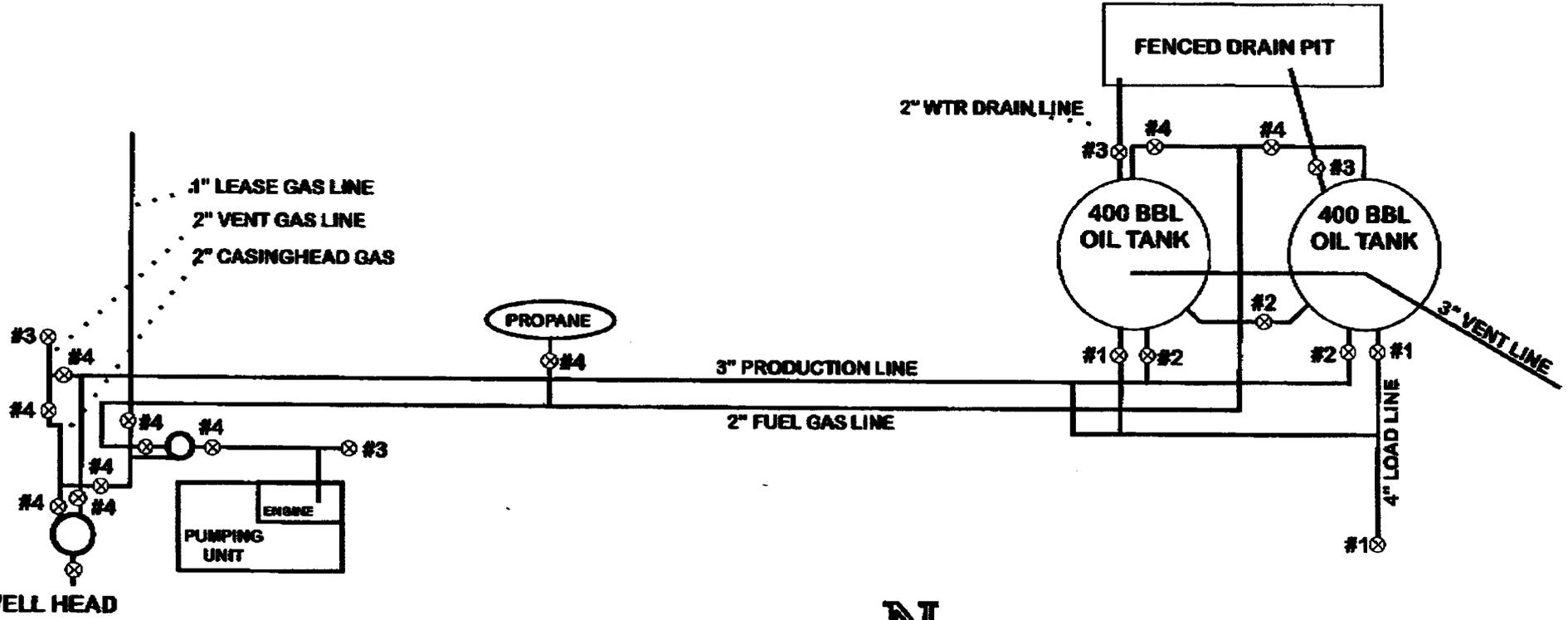
Jonah Unit Site Security Diagrams

| <u>Well Name</u> | <u>Location</u> | <u>County</u> | <u>State</u> | <u>Footages</u> | <u>API Number</u> |
|------------------------|----------------------------|---------------|--------------|-----------------------|-------------------|
| Allen Federal #12-5 | SW NW Section 5 T9S, R17E | Duchesne | UT | 1980' FNL & 660' FWL | 43-013-30611 |
| Allen Federal #12-6 | SW NW Section 6, T9S, R17E | Duchesne | UT | 1980' FNL & 604' FWL | 43-013-30582 |
| Allen Federal #21-6 | NE NW Section 6, T9S, R17E | Duchesne | UT | 660' FNL & 1980' FWL | 43-013-30584 |
| → Allen Federal #23-6 | NE SW Section 6, T9S, R17E | Duchesne | UT | 1980' FSL & 1980' FWL | 43-013-30558 |
| Allen Federal #34-6 | SW SE Section 6, T9S, R17E | Duchesne | UT | 662' FSL & 2075' FEL | 43-013-30586 |
| Allen Federal #43-6 | NE SW Section 6, T9S, R17E | Duchesne | UT | 1980' FSL & 660' FEL | 43-013-30583 |
| Monument Federal #1-43 | NE SE Section 1, T9S, R16E | Duchesne | UT | 1980' FSL & 660' FEL | 43-013-30734 |
| Federal #2-1 | NE NE Section 1, T9S, R17E | Duchesne | UT | 784' FNL & 812' FEL | 43-013-30603 |

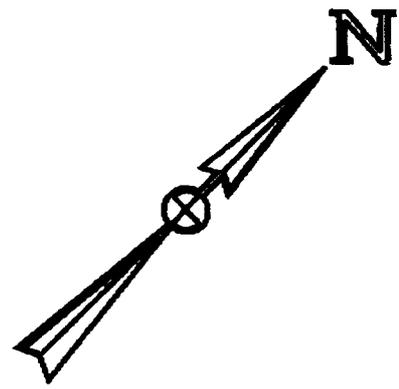
**EQUITABLE RESOURCES ENERGY COMPANY
ALLEN FEDERAL 23-6
PRODUCTION FACILITY DIAGRAM**

**ALLEN FEDERAL 23-6
NE SW SEC. 6, T9S, R17E
DUCHESNE COUNTY, UTAH
FEDERAL LEASE #U-020252-A**

P.5/6



SEP 15 '97 01:46PM BALCRON OIL DIV



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

DIAGRAM NOT TO SCALE

PLANNED BY:

EQUITABLE RESOURCES ENERGY COMPANY
 WESTERN REGION
 1608 Lewis Avenue
 Salt Lake City, Utah 84119
 (801) 233-7600
 September 10, 1997

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)

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

Approximate date work will start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

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

Date of work completion 9-30-97

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

* Must be accompanied by a cement verification report.

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

Effective September 30, 1997, Inland Production Company will take over operations of the wells on the attached list. The previous operator was :

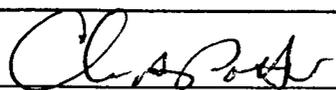
Equitable Resources Energy Company
1601 Lewis Avenue
Billings, MT 59102

Effective September 30, 1997, Inland Production Company is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under State of Utah Statewide Bond No. 4471291.

OCT 16 1997

13.

Name & Signature:



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 #24-3Y | SESW 3 9S 17E | DUCHESNE | UT | MONUMENT BUTTE (CD) | 43-013-31397-00 | UTU75037 | |
| ✓ BALCRON FEDERAL #44-4Y | SESE 4 9S 17E | DUCHESNE | UT | MONUMENT BUTTE (CD) | 43-013-31452-00 | UTU65967 | |
| ✓ BALCRON FEDERAL #14-3Y | SW SW 3 9S 17E | DUCHESNE | UT | MONUMENT BUTTE (CD) | 43-013-31535-00 | UTU75037 | |
| ✓ MONUMENT FEDERAL #11-11Y | NW NW 119S 17E | DUCHESNE | UT | MONUMENT BUTTE (CD) | 43-013-31593-00 | UTU65210 | |
| ✓ MONUMENT FEDERAL #31-5-9-17 | NW NE 5 9S 17E | DUCHESNE | UT | MONUMENT BUTTE (CD) | 43-013-31680-00 | UTU74808 | |
| ALLEN FEDERAL #1 | SESE 6 9S 17E | DUCHESNE | UT | MONUMENT BUTTE (J) | 43-013-15779-00 | UTU020252A | UTU72086A |
| ✓ ALLEN FEDERAL #12-5 | SWNW 5 9S 17E | DUCHESNE | UT | MONUMENT BUTTE (J) | 43-013-30611-00 | UTU020252 | UTU72086A |
| ✓ ALLEN FEDERAL #12-6 | SWNW 6 9S 17E | DUCHESNE | UT | MONUMENT BUTTE (J) | 43-013-30582-00 | UTU020252A | UTU72086A |
| ALLEN FEDERAL #13-6 | NWSW 6 9S 17E | DUCHESNE | UT | MONUMENT BUTTE (J) | 43-013-30918-00 | UTU020252A | UTU72086A |
| ✓ ALLEN FEDERAL #21-5 | NENW 5 9S 17E | DUCHESNE | UT | MONUMENT BUTTE (J) | 43-013-30612-00 | UTU020252 | UTU72086A |
| ✓ ALLEN FEDERAL #21-6 | LOT3 6 9S 17E | DUCHESNE | UT | MONUMENT BUTTE (J) | 43-013-30584-00 | UTU020252A | UTU72086A |
| ALLEN FEDERAL #22-6 | SENW 6 9S 17E | DUCHESNE | UT | MONUMENT BUTTE (J) | 43-013-30919-00 | UTU020252A | UTU72086A |
| ✓ ALLEN FEDERAL #23-6 | NESW 6 9S 17E | DUCHESNE | UT | MONUMENT BUTTE (J) | 43-013-30558-00 | UTU020252A | UTU72086A |
| ALLEN FEDERAL #31-6 | LOT2 6 9S 17E | DUCHESNE | UT | MONUMENT BUTTE (J) | 43-013-31195-00 | UTU020252A | UTU72086A |
| ✓ ALLEN FEDERAL #32-6 | SWNE 6 9S 17E | DUCHESNE | UT | MONUMENT BUTTE (J) | 43-013-30559-00 | UTU020252A | UTU72086A |
| ✓ ALLEN FEDERAL #34-6 | SWSE 6 9S 17E | DUCHESNE | UT | MONUMENT BUTTE (J) | 43-013-30586-00 | UTU020252A | UTU72086A |
| ✓ ALLEN FEDERAL #41-6 | NENE 6 9S 17E | DUCHESNE | UT | MONUMENT BUTTE (J) | 43-013-30581-00 | UTU020252A | UTU72086A |
| ✓ ALLEN FEDERAL #43-6 | NESE 6 9S 17E | DUCHESNE | UT | MONUMENT BUTTE (J) | 43-013-30583-00 | UTU020252A | UTU72086A |
| ✓ ALLEN FEDERAL A #1 | NWNW 5 9S 17E | DUCHESNE | UT | MONUMENT BUTTE (J) | 43-013-15780-00 | UTU020252 | UTU72086A |
| ✓ C&O GOV'T #1 | NWSW 129S 16E | DUCHESNE | UT | MONUMENT BUTTE (J) | 43-013-15111-00 | UTU035521A | UTU72086A |
| ✓ C&O GOV'T #2 | NWSE 129S 16E | DUCHESNE | UT | MONUMENT BUTTE (J) | 43-013-15112-00 | UTU035521 | UTU72086A |
| C&O GOV'T #4 | NESW 129S 16E | DUCHESNE | UT | MONUMENT BUTTE (J) | 43-013-30742-00 | UTU035521A | UTU72086A |
| ✓ CASTLE PEAK FEDERAL #22-15 | SENW 159S 16E | DUCHESNE | UT | MONUMENT BUTTE (J) | 43-013-30634-00 | UTU017985 | UTU72086A |
| ✓ CASTLE PEAK FEDERAL #24-15 | SESW 159S 16E | DUCHESNE | UT | MONUMENT BUTTE (J) | 43-013-30631-00 | UTU017985 | UTU72086A |
| ✓ CASTLE PEAK FEDERAL #31-15 | NWNE 159S 16E | DUCHESNE | UT | MONUMENT BUTTE (J) | 43-013-30613-00 | UTU017985 | UTU72086A |
| ✓ CASTLE PEAK FEDERAL #33-15 | NWSE 159S 16E | DUCHESNE | UT | MONUMENT BUTTE (J) | 43-013-30632-00 | UTU017985 | UTU72086A |
| ✓ CASTLE PEAK FEDERAL #44-10 | SESE 109S 16E | DUCHESNE | UT | MONUMENT BUTTE (J) | 43-013-30630-00 | UTU017985 | UTU72086A |
| ✓ CASTLE PEAK FEDERAL #42-15 | SENE 159S 16E | DUCHESNE | UT | MONUMENT BUTTE (J) | 43-013-30633-00 | UTU017985 | UTU72086A |
| ✓ FEDERAL #2-1 | NENE 1 9S 16E | DUCHESNE | UT | MONUMENT BUTTE (J) | 43-013-30603-00 | UTU33992 | UTU72086A |
| ✓ GETTY #12-1 | NWNE 129S 16E | DUCHESNE | UT | MONUMENT BUTTE (J) | 43-013-30889-00 | UTU44426 | UTU72086A |
| ✓ GETTY #7-A | NENE 7 9S 17E | DUCHESNE | UT | MONUMENT BUTTE (J) | 43-013-30926-00 | UTU44426 | UTU72086A |
| ✓ GETTY #7-C | NENW 7 9S 17E | DUCHESNE | UT | MONUMENT BUTTE (J) | 43-013-30961-00 | UTU44426 | UTU72086A |
| ✓ GOATES FEDERAL #1 | SESW 119S 16E | DUCHESNE | UT | MONUMENT BUTTE (J) | 43-013-15789-00 | UTU096547 | UTU72086A |
| ✓ GOATES FEDERAL #3 | NWNW 149S 16E | DUCHESNE | UT | MONUMENT BUTTE (J) | 43-013-15791-00 | UTU096547 | UTU72086A |
| ✓ MONUMENT BUTTE #1-14 | SWSW 1 9S 16E | DUCHESNE | UT | MONUMENT BUTTE (J) | 43-013-30703-00 | UTU18399 | UTU72086A |
| ✓ MONUMENT BUTTE #1-23 | NESW 1 9S 16E | DUCHESNE | UT | MONUMENT BUTTE (J) | 43-013-30646-00 | UTU18399 | UTU72086A |
| MONUMENT BUTTE #1-24 | SESW 1 9S 16E | DUCHESNE | UT | MONUMENT BUTTE (J) | 43-013-30701-00 | UTU18399 | UTU72086A |
| ✓ MONUMENT BUTTE #1-34 | SWSE 1 9S 16E | DUCHESNE | UT | MONUMENT BUTTE (J) | 43-013-30736-00 | UTU52013 | UTU72086A |
| ✓ MONUMENT BUTTE #1-43 | NESE 1 9S 16E | DUCHESNE | UT | MONUMENT BUTTE (J) | 43-013-30734-00 | UTU52013 | UTU72086A |



**EQUITABLE RESOURCES
ENERGY COMPANY**

WESTERN REGION

(406) 259-7860 Telephone

(406) 245-1361 Fax

December 10, 1997

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

Dear Lisha:

RE: Equitable Sale of Utah Properties

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

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

Sincerely,

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

Molly Conrad
Agent for Equitable Resources
Energy Company

/mc



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

TO: *Lisha*
St of Utah.

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

Pages Attached - Including Cover Sheet *2.*

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

OPERATOR CHANGE WORKSHEET

| Routing | |
|---------|----------|
| 1-IEC ✓ | 6-VA ✓ |
| 2-CEH ✓ | 7-KAS ✓ |
| 3-DTS ✓ | 8-SL ✓ |
| 4-VLD ✓ | 9-FILE ✓ |
| 5-JPB ✓ | |

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

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

WELL(S) attach additional page if needed:

***JONAH (GREEN RIVER) UNIT**

| | | | | | | |
|-------------------------------|--------------------------|---------------|---------|---------|---------|--------------|
| Name: **SEE ATTACHED** | API: <u>43-013-30558</u> | Entity: _____ | S _____ | T _____ | R _____ | Lease: _____ |
| Name: _____ | API: _____ | Entity: _____ | S _____ | T _____ | R _____ | Lease: _____ |
| Name: _____ | API: _____ | Entity: _____ | S _____ | T _____ | R _____ | Lease: _____ |
| Name: _____ | API: _____ | Entity: _____ | S _____ | T _____ | R _____ | Lease: _____ |
| Name: _____ | API: _____ | Entity: _____ | S _____ | T _____ | R _____ | Lease: _____ |
| Name: _____ | API: _____ | Entity: _____ | S _____ | T _____ | R _____ | Lease: _____ |
| Name: _____ | API: _____ | Entity: _____ | S _____ | T _____ | R _____ | Lease: _____ |

OPERATOR CHANGE DOCUMENTATION

- lec 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). (Rec'd 12-10-97)
- lec 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). (Rec'd 10-13-97)
- N/A 3. The **Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the company **registered with the state?** (yes/no) _____ If yes, show company file number: _____
- lec 4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of steps 5 through 9 below.
- lec 5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. (1-14-98) * WIC/Quellro Pro 1-14-98 & WIC/DBase 1-14-98.
- lec 6. **Cardex** file has been updated for each well listed above.
- lec 7. Well **file labels** have been updated for each well listed above.
- lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. (1-14-98)
- lec 9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for **reference during routing and processing of the original documents.**

ENTITY REVIEW

- Yes 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.
Entity 11492 "Jonah (OP) Unit"
- N/A 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been **notified** through normal procedures of entity changes.

BOND VERIFICATION - (FEE WELLS ONLY)

- N/A/Yes 1. (r649-3-1) The **NEW** operator of any fee lease well listed above has furnished a proper bond.
2. A **copy of this form** has been placed in the new and former operator's bond files.
3. The **FORMER** operator has requested a release of liability from their bond (yes/no) , as of today's date . If yes, division response was made to this request by letter dated .

LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

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

- Yes 1. All attachments to this form have been **microfilmed**. Today's date: 2-3-98.

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

980114 Btm/SY Aprv. eff. 1-13-98.

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

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

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

UTAH ACCOUNT NUMBER: N9890

REPORT PERIOD (MONTH/YEAR): 9 / 97

AMENDED REPORT (Highlight Changes)

| Well Name API Number Entity Location | Producing Zone | Well Status | Days Oper | Production Volumes | | |
|--|-------------------|----------------|--------------|--------------------|----------------|------------|
| | | | | OIL(BBL) | GAS(MCF) | WATER(BBL) |
| ✓ ALLEN FEDERAL 23-6' 4301330558 11492 09S 17E 6 | GRRV | | | U020252A | Gench (G) Unit | |
| ✓ ALLEN FEDERAL 32-6 4301330559 11492 09S 17E 6 | GRRV | | | " | | |
| ✓ ALLEN FEDERAL 41-6 4301330581 11492 09S 17E 6 | GRRV | | | " | | |
| ✓ ALLEN FEDERAL 12-6 4301330582 11492 09S 17E 6 | GRRV | | | " | | |
| ✓ ALLEN FEDERAL 43-6 4301330583 11492 09S 17E 6 | GRRV | | | " | | |
| ✓ ALLEN FEDERAL 21-6 4301330584 11492 09S 17E 6 | GRRV | | | " | | |
| ✓ ALLEN FEDERAL 34-6 4301330586 11492 09S 17E 6 | GRRV | | | " | | |
| ✓ FEDERAL 2-1 4301330603 11492 09S 16E 1 | GRRV | | | U33992 | | |
| ✓ ALLEN FEDERAL 12-5 4301330611 11492 09S 17E 5 | GRRV | | | U02052 | | |
| ✓ ALLEN FEDERAL 21-5 4301330612 11492 09S 17E 5 | GRRV | | | " | | |
| ✓ CASTLE PK FED 31-15 4301330613 11492 09S 16E 15 | GRRV | | | U017985 | | |
| ✓ CASTLE PK FED 44-10 4301330630 11492 09S 16E 10 | GRRV | | | U017895 | | |
| ✓ CASTLE PK FED 24-15 4301330631 11492 09S 16E 15 | GRRV | | | " | ↓ | |
| TOTALS | | | | | | |

COMMENTS: _____

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

Date: _____

Name and Signature: _____

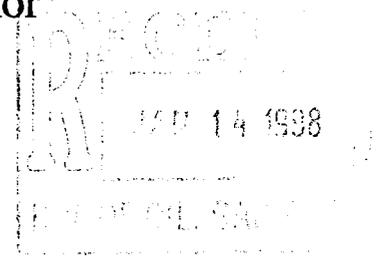
Telephone Number: _____



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

January 13, 1998

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

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

Gentlemen:

On January 13, 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 Jonah (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 January 13, 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 Jonah (Green River) Unit Agreement.

Your statewide (Utah) oil and gas bond No. 0056 will be used to cover all operations within the Jonah (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 - Jonah (Green River) Unit (w/enclosure)
MMS - Data Management Division
Agr. Sec. Chron
Fluid Chron

U-931:TAThompson:tt:1/13/98

WELL STATUS REPORTS
UTAH STATE OFFICE

| INSPECTION ITEM | API NO. | WELL NUMBER | QTQT | SEC | TWN | RNG | WELL STATUS | LEASE NAME | OPERATOR |
|---|---------------------------|-------------------|-----------------|---------------|---------------|----------------|----------------|----------------------|--------------------------------------|
| ** INSPECTION ITEM UTU72086A JONAH (GR) SECONDARY RECOVERY UNIT | | | | | | | | | |
| UTU72086A | 430131511100S1 | 1 | NWSW | 12 | 9S | 16E | POW | UTU035521A | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430131578000S1 | 1 | NWNW | 5 | 9S | 17E | POW | UTU020252 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430131577900S1 | 1 | SESE | 6 | 9S | 17E | WIW | UTU020252A | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430131578900S1 | 1 | SESW | 11 | 9S | 16E | POW | UTU096547 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430131579200S1 | 1 | SESE | 11 | 9S | 16E | POW | UTU096550 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133070200S1 | 1-13 | NWSW | 1 | 9S | 16E | WIW | UTU18399 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133070300S1 | 1-14 | SWSW | 1 | 9S | 16E | POW | UTU18399 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133064600S1 | 1-23 | NESW | 1 | 9S | 16E | POW | UTU18399 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133070100S1 | 1-24 | SESW | 1 | 9S | 16E | WIW | UTU18399 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133073500S1 | 1-33 | NWSE | 1 | 9S | 16E | WIW | UTU52013 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133073600S1 | 1-34 | SWSE | 1 | 9S | 16E | POW | UTU52013 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133073400S1 | 1-43 | NESE | 1 | 9S | 16E | POW | UTU52013 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133136200S1 | 11-6 | L4 | 6 | 9S | 17E | WIW | UTU020252A | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133149200S1 | 11-7J | NWNW | 7 | 9S | 17E | WIW | UTU44426 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133088900S1 | 12-1 | NWNE | 12 | 9S | 16E | POW | UTU44426 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133141700S1 | 12-11J | SWNW | 11 | 9S | 16E | WIW | UTU096550 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133141000S1 | 12-12J | SWNW | 12 | 9S | 16E | WIW | UTU096550 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133061100S1 | 12-5 | SWNW | 5 | 9S | 17E | POW | UTU020252 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133058200S1 | 12-6 | SWNW | 6 | 9S | 17E | POW | UTU020252A | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133149300S1 | 12-7J | SWNW | 7 | 9S | 17E | POW | UTU44426 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430131579000S1 | 13-11J | NWSW | 11 | 9S | 16E | POW | UTU096547 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133137000S1 | 13-5 | NWSW | 5 | 9S | 17E | WIW | UTU020252 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133091800S1 | 13-6 | NWSW | 6 | 9S | 17E | WIW | UTU020252A | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133137400S1 | 14-11 | SWSW | 11 | 9S | 16E | WIW | UTU096547 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133141100S1 | 14-12J | SWSW | 12 | 9S | 16E | WIW | UTU035521A | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133138500S1 | 14-5 | SWSW | 5 | 9S | 17E | POW | UTU020252 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430131511200S1 | 2 | NWSE | 12 | 9S | 16E | POW | UTU035521 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430131579300S1 | 2 | NWNE | 14 | 9S | 16E | POW | UTU096550 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133060300S1 | 2-1 | L1 | 1 | 9S | 16E | POW | UTU33992 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133140600X1 | 21-12J | NENW | 12 | 9S | 16E | ABD | UTU096550 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133142100S1 | 21-14J | NENW | 14 | 9S | 16E | WIW | UTU096547 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133142200X1 | 21-15J | NENW | 15 | 9S | 16E | ABD | UTU017985 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133061200S1 | 21-5 | NENW | 5 | 9S | 17E | POW | UTU020252 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133058400S1 | 21-6 | L3 | 6 | 9S | 17E | POW | UTU020252A | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430131579600S2 | 22-12J | SENW | 12 | 9S | 16E | POW | UTU096550 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133063400S1 | 22-15 | SENW | 15 | 9S | 16E | POW | UTU017985 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133138400S1 | 22-5 | SENW | 5 | 9S | 17E | WIW | UTU020252 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133091900S1 | 22-6 | SENW | 6 | 9S | 17E | WIW | UTU020252A | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133136900S1 | 23-11 | NESW | 11 | 9S | 16E | WIW | UTU096550 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133137300S1 | 23-15 | NESW | 15 | 9S | 16E | WIW | UTU017985 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133138300S1 | 23-5 | NESW | 5 | 9S | 17E | POW | UTU020252 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133055800S1 | 23-6 | NESW | 6 | 9S | 17E | POW | UTU020252A | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133140900S1 | 24-12J | SESW | 12 | 9S | 16E | POW | UTU035521A | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133063100S1 | 24-15 | SESW | 15 | 9S | 16E | POW | UTU017985 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133137500S1 | 24-5 | SESW | 5 | 9S | 17E | WIW | UTU020252 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133136300S1 | 24-6 | SESW | 6 | 9S | 17E | WIW | UTU020252A | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430131579100S1 | 3 | NWNW | 14 | 9S | 16E | POW | UTU096547 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133061300S1 | 31-15 | NWNE | 15 | 9S | 16E | POW | UTU017985 | EQUITABLE RESOURCES ENERG |

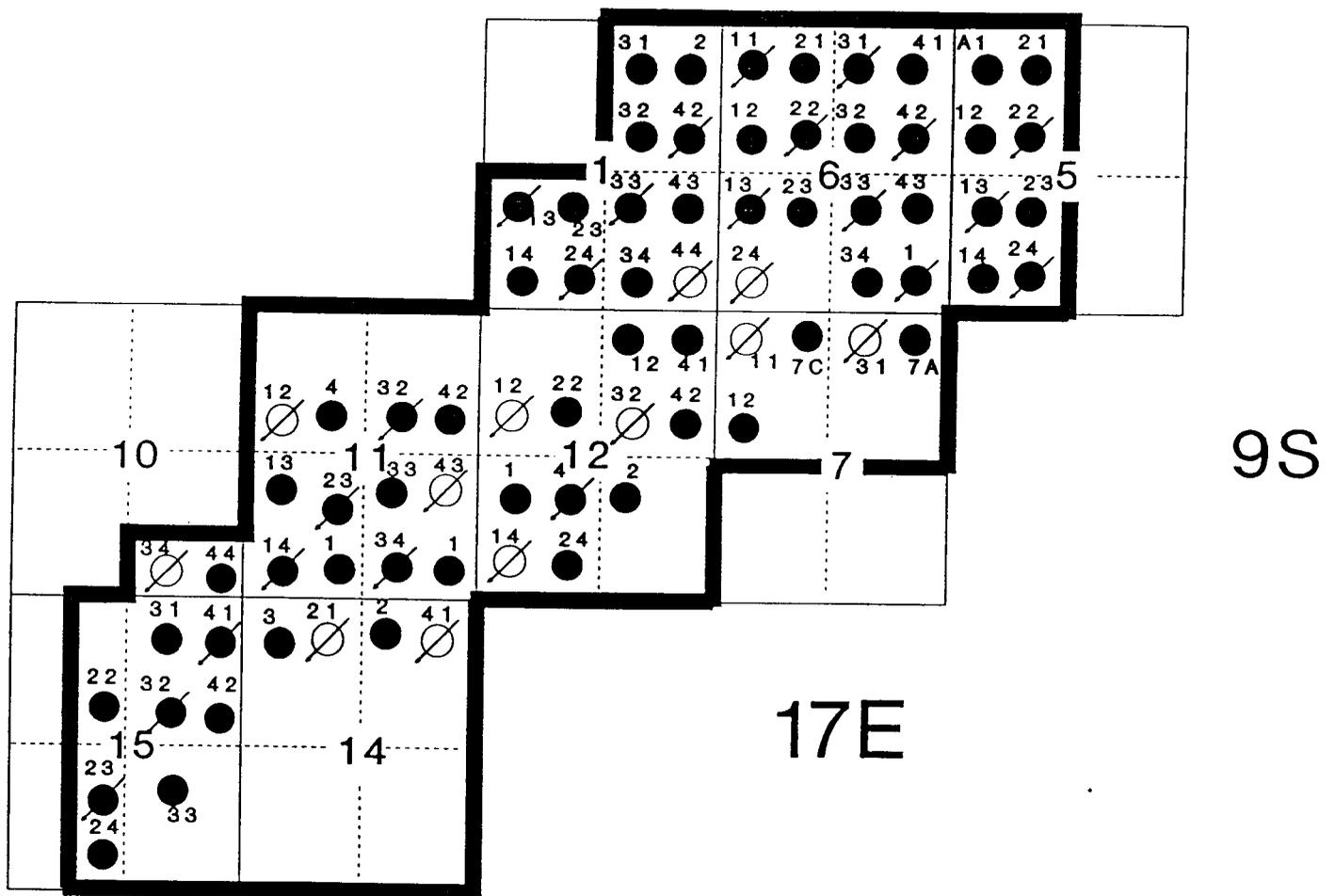
WELL STATUS REPORTS
UTAH STATE OFFICE

| INSPECTION ITEM | API NO. | WELL NUMBER | QTQT | SEC | TWN | RNG | WELL STATUS | LEASE NAME | OPERATOR |
|-----------------|----------------|-------------|------|-----|-----|-----|-------------|------------|---------------------------|
| UTU72086A | 430133141300S1 | 31-1J | L2 | 1 | 9S | 16E | POW | UTU33992 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133119500S1 | 31-6 | L2 | 6 | 9S | 17E | WIW | UTU020252A | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133140500S1 | 31-7J | NWNE | 7 | 9S | 17E | WIW | UTU44426 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133138600S1 | 32-11 | SWNE | 11 | 9S | 16E | WIW | UTU096550 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133141900S1 | 32-12J | SWNE | 12 | 9S | 16E | WIW | UTU035521 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133136800S1 | 32-15 | SWNE | 15 | 9S | 16E | WIW | UTU017985 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133141400S1 | 32-1J | SWNE | 1 | 9S | 16E | POW | UTU33992 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133055900S1 | 32-6 | SWNE | 6 | 9S | 17E | POW | UTU020252A | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133145100S1 | 33-11J | NWSE | 11 | 9S | 16E | OSI | UTU096550 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133063200S1 | 33-15 | NWSE | 15 | 9S | 16E | POW | UTU017985 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133136100S1 | 33-6 | NWSE | 6 | 9S | 17E | WIW | UTU020252A | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133141600S1 | 34-10J | SWSE | 10 | 9S | 16E | WIW | UTU017985 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133100300S1 | 34-11 | SWSE | 11 | 9S | 16E | WIW | UTU096550 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133058600S1 | 34-6 | SWSE | 6 | 9S | 17E | POW | UTU020252A | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133074200S1 | 4 | NESW | 12 | 9S | 16E | WIW | UTU035521A | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430131579500S1 | 4 | SENE | 11 | 9S | 16E | POW | UTU096550 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133148700S1 | 41-12J | NENE | 12 | 9S | 16E | POW | UTU44426 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133140800S1 | 41-14J | NENE | 14 | 9S | 16E | WIW | UTU096550 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133136700S1 | 41-15 | NENE | 15 | 9S | 16E | WIW | UTU017985 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133058100S1 | 41-6 | NENE | 6 | 9S | 17E | POW | UTU020252A | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133006600S1 | 42-11J | SENE | 11 | 9S | 16E | POW | UTU096550 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133148600S1 | 42-12J | SENE | 12 | 9S | 16E | POW | UTU035521 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133063300S1 | 42-15 | SENE | 15 | 9S | 16E | POW | UTU017985 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133140400S1 | 42-1J | SENE | 1 | 9S | 16E | WIW | UTU40652 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133136400S1 | 42-6 | SENE | 6 | 9S | 17E | WIW | UTU020252A | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133100200S1 | 43-11J | NESE | 11 | 9S | 16E | WIW | UTU096550 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133058300S1 | 43-6 | NESE | 6 | 9S | 17E | POW | UTU020252A | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133063000S1 | 44-10 | SESE | 10 | 9S | 16E | POW | UTU017985 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133141500S1 | 44-1J | SESE | 1 | 9S | 16E | WIW | UTU44426 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133092600S1 | 7-A | NENE | 7 | 9S | 17E | POW | UTU44426 | EQUITABLE RESOURCES ENERG |
| UTU72086A | 430133096100S1 | 7-C | NENW | 7 | 9S | 17E | POW | UTU44426 | EQUITABLE RESOURCES ENERG |

JONAH (GREEN RIVER) UNIT

DUCHESNE COUNTY, UTAH

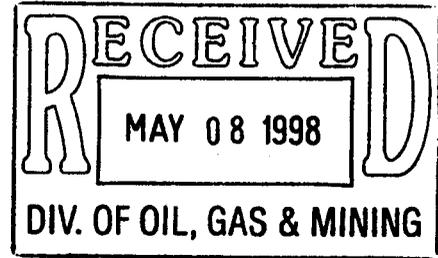
EFFECTIVE: JULY 1, 1993



— UNIT OUTLINE (UTU72086A)

4,221.61 ACRES

| |
|--|
| SECONDARY ALLOCATION FEDERAL 100.00% |
|--|



April 30, 1998

43-013-30558

Bureau of Land Management
Attn: Wayne Bankert
170 South 500 East
Vernal, Utah 84078

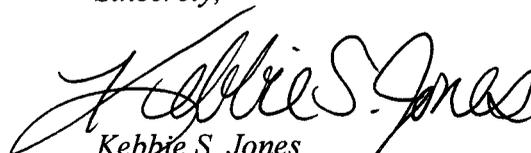
Dear Wayne:

Please find enclosed the original and two copies of a "Sundry Notice and Report On Wells" for the Allen Federal #23-6. This is the location where we had the fire on March 19, 1998. I appreciate you faxing me the information that I needed to be able to complete this report for you.

As per your request, I am also enclosing the following:
Accident report from Mike Guinn, District Engineer for Inland Production Company
Two schedules showing the costs incurred from this fire damage

If you have any questions or need further assistance, please don't hesitate to contact me.

Sincerely,


Kebbie S. Jones
District Administrator

Enclosures

cc: 
Division of Oil, Gas & Mining
P.O. Box 145801
Salt Lake City, Utah 84114-5801

/kj

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.
UTU-72086A

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA, Agreement Designation
JONAH UNIT

8. Well Name and No.
ALLEN FEDERAL 23-6

9. API Well No.
43-013-30558

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

11. County or Parish, State
DUCHESNE COUNTY, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
INLAND PRODUCTION COMPANY

3. Address and Telephone No.
P.O. BOX 1446 - ROOSEVELT, UTAH 84066 (435) 722-5103

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)
1989 FSL 1885 FWL NE/SW Section 6, T09S R17E

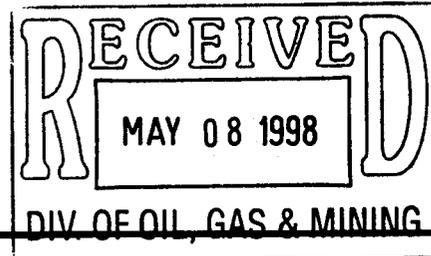
12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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

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

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

Inland Production Company as operator of the above referenced well reports that on Thursday, March 19, 1998 @ approximately 3:30 P.M., a fire started at the above referenced location. There was one pumper and two roustabouts at the location at the time of the incident. Please find attached an accident report from Mike Guinn, District Engineer for Inland Production Company. Both of the production tanks and the contents which was approximately 404 bbls of oil were completely destroyed. The well was down until April 1, 1998 while new production equipment could be set. Please find attached two schedules showing the costs from these damages that show all expenses including the fire fighting costs. First Report of Injury Forms were submitted to Workers Compensation and a copy of this Sundry Notice will be sent to the Utah Division of Oil, Gas & Mining.



14. I hereby certify that the foregoing is true and correct
Signed [Signature] Title District Administrator Date 4/30/98

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

CC: UTAH DOGM

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

Inland Production Company
P.O. Box 1446
Roosevelt, Utah 84066
435-722-5103

March 26, 1998

From: Mike Guinn

To: Allen Federal 23-6 Well File

A fire occurred at the Allen Federal 23-6 wellsite on Thursday, March 26, 1998 at approximately 3:15 p.m. Three Inland employees (Danny Thompson, Tommy Thacker, and Justin Wheeler) were performing repairs on an equalizing line when the incident occurred. Brad Mecham and myself conducted an accident investigation to determine the cause of the fire.

Inland roustabouts, Thacker and Wheeler, received a call from Remote Operating System (ROS) the day of the incident requesting that a leaking hammer union be tightened. The union was on an equalizing line located between production tanks one and two. Integrated in the line is a 2" Balon actuated ball valve that is remotely opened and closed. ROS, Remote Operating System, had installed the actuated ball valve, an automatic level gauging system and a CPU two weeks before the fire.

Pumper Danny Thompson was completed with his run and noticed that roustabouts were on the subject located and stopped to lend assistance. The crew removed the actuator from the equalizing valve and Wheeler hit the hammer union to tighten. Unbeknownst to the three, a 3" x 2" bushing in the tank seared and oil began flowing at a high rate. The crew proceeded to equalize the oil from tank 2 to tank 1 when the fire commenced.

It was concluded from the investigation that the ignition source was either from the tank burners or the electric actuator. The valve enclosure was a NEMA 4 rating which is designed for water tight and dust tight conditions. The tank burners had flame arrestors installed but from the charred state it could not be substantiated that all ports were sealed.

The three employees were taken to UBMC for precautionary measures. Thacker and Wheeler were released with no injuries and Danny Thompson sustained a concussion and was kept and released the following day.

OSHA representative Dan King investigated the incident. He concluded that the valve initiated the fire and intends on citing Inland for not have an operational Lock out – Tag out policy. Brad Mecham, Jody Liddell, Danny Thompson, Justin Wheeler, and Thommy Thacker were interviewed by King. The amount of the fine has yet to be determined and can be reduced if a Lock out-Tag out policy is implemented.

The estimated loss from the fire is \$35,728. Attached is a detailed estimate.

It is my opinion that the fire was initiated from the electric valve. Reports were that the oil was spraying directly on the valve and had not made its way back to the fire tubes when the fire occurred. The following are corrective measures that will be initiated to ensure that this incident is isolated.

- 1) No malleable fittings will be installed in the valving directly off the tank. The equalizing line between production tanks will be a flanged spool and comprised of forged steel fittings.
- 2) The actuated will be a NEMA 7 rated device. Electrical fittings and equipment will be wired for intrinsically safe.
- 3) A Lock out – Tag out policy will be written and implemented. All employees will be required to attend a seminar on the subject.

INLAND Company Labor Costs for Fire Damage @ Allen Federal #23-6

| <u>DATE</u> | <u>EMPLOYEE</u> | <u>DESCRIPTION</u> | <u>HOURS</u> | <u>RATE</u> | <u>TOTAL</u> |
|-------------|-----------------|-----------------------|--------------|-------------|-----------------|
| 3/30/98 | Randall Helms | Delivering Line Pipe | 1 | \$19.55 | \$19.55 |
| 4/1/98 | Clarence Rich | Pressure Test | 3 | \$22.28 | \$66.84 |
| 4/2/98 | Randall Helms | Rebuilding Tank Berms | 6.5 | \$19.55 | \$127.08 |
| | | Inland Backhoe | 6.5 | \$32.00 | \$208.00 |
| 4/3/98 | Randall Helms | Rebuilding Tank Berms | 2 | \$19.55 | \$39.10 |
| | | Inland Backhoe | 2 | \$32.00 | \$64.00 |
| 4/3/98 | Lewis Barney | Fuel Backhoe | 0.5 | \$18.57 | \$9.29 |
| 4/8/98 | Clarence Rich | Check Location | 1 | \$22.28 | \$22.28 |
| 4/8/98 | Gary Richens | Install New Mailbox | 1 | \$18.57 | \$18.57 |
| | | | TOTAL | | \$574.70 |

Costs for Fire Damage @ Allen Federal #23-6

| <u>INVOICE DATE</u> | <u>INVOICE #</u> | <u>VENDOR NAME</u> | <u>DESCRIPTION</u> | <u>TOTAL</u> |
|----------------------------|-------------------------|---------------------------|---------------------------|---------------------|
| 3/19/98 | 5163 | Myton Fire Department | Foam for fire | \$308.75 |
| 3/24/98 | 3503 | Dragon Hot Oil | Clean out tanks | \$629.50 |
| 3/24/98 | 13243 | Troy Murray Trucking | Haul bad oil to disposal | \$212.50 |
| 3/24/98 | 66816 | RNI Disposal | Disposal of burnt oil | \$105.00 |
| 3/24/98 | | Inland Production Co. | 404 bbls @ \$10.75/bbl | \$4,343.00 |
| 3/26/98 | | Duchesne County Auditor | Fire Department Chages | \$638.00 |
| 3/28/98 | 3476 | Dragon Hot Oil | Steamed Tanks | \$128.50 |
| 4/1/98 | 8623 | Palmer | Tanks & Stairs | \$11,193.64 |
| 3/31/98 | 1118 | CR Welding | Coils for tanks | \$692.34 |
| 4/1/98 | 3525 | Dragon Hot Oil | Pressure Test | \$180.00 |
| 4/1/98 | 8U04001 | Raptor Industries | Glycol | \$267.65 |
| 4/1/98 | 98213 | B&G Crane | Setting Tanks | \$2,722.50 |
| 4/3/98 | 33237880 | Redman Pipe & Supply | Piping & Fittings | \$4,510.68 |
| 4/6/98 | 7643 | Stanco | Insulation | \$5,606.26 |
| 4/9/98 | 33239040 | Redman Pipe & Supply | Mailbox | \$9.50 |
| | | | Total | \$31,547.82 |

**Please note that when the oil in the tanks was heated by Dragon Hot Oil Service, none of it was recoverable. All of this bad oil had to be hauled by Troy Murray Trucking to RNI Disposal.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.
U-020252A

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA, Agreement Designation
JONAH

8. Well Name and No.
ALLEN FEDERAL 23-6

9. API Well No.
43-013-30558

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

11. County or Parish, State
DUCHESNE COUNTY, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
INLAND PRODUCTION COMPANY

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

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)
1989 FSL 1885 FWL NE/SW Section 6, T09S R17E

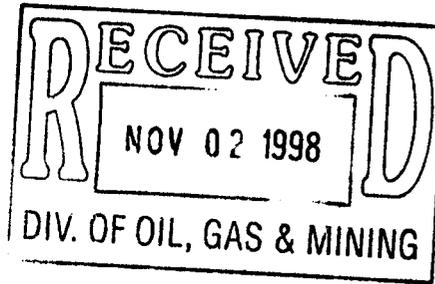
12. **CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

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

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

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

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



14. I hereby certify that the foregoing is true and correct
Signed *Debbie E. Knight* Title Manager, Regulatory Compliance Date 10/28/98

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

CC: UTAH DOGM

Inland Production Company Site Facility Diagram

Allen Federal 23-6

NE/SW Sec. 6, T9S, 17E

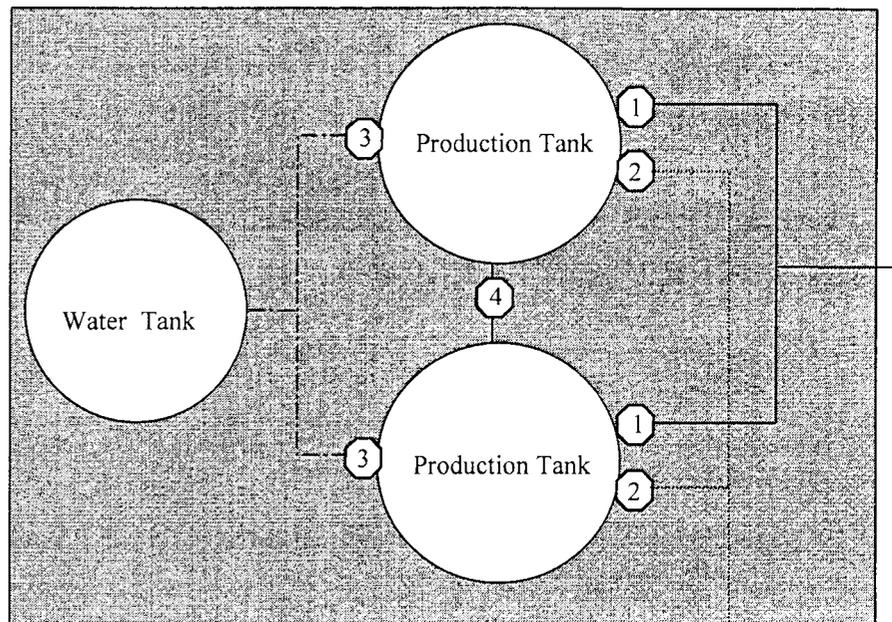
Duchesne County

Sept.17, 1998

Legend

| | |
|---------------|-----------|
| Emulsion Line | |
| Load Line | ———— |
| Water Line | - - - - - |
| Gas Sales | |

Diked Section



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

Production Phase:

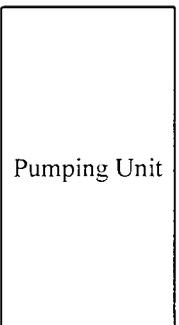
- 1) Valves 1 and 3 sealed closed
- 2) Valves 2 and 4 sealed open

Sales Phase:

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

Draining Phase:

- 1) Valve 3 open



Well Head

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

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

U-020252-A

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

JONAH

8. Well Name and No.

ALLEN FED 23-6

9. API Well No.

43-013-30558

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE COUNTY, UT

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

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

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

1989 FSL 1885 FWL NE/SW Section 6, T9S R17E

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

TYPE OF SUBMISSION

Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing

Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection
 Dispose Water

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

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

Subject well had recompletion procedures initiated in the Green River formation on 6/25/03. Existing production equipment was pulled from well. A bit and scraper were run in well. One new Green River interval was perforated and hydraulically fracture treated as follows: Stage #1: PB10 sands @ 4450-4462' (4 JSPF) fraced down 2 7/8" N-80 tbg w/38,997# 20/40 sand in 323 bbls Viking I-25 fluid. Frac was flowed back through chokes. Sand was cleaned from wellbore. New interval was swab tested for sand cleanup. BHA & production tbg were run and anchored in well w/tubing anchor @ 5194', pump seating nipple @ 5294', and end of tubing string @ 5327'. A repaired 1 1/2" bore rod pump was run in well on sucker rods. Well returned to production via rod pump on 7/2/03.

**RECEIVED
JUL 10 2003
DIV. OF OIL, GAS & MINING**

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

Signed Martha Hall Title Office Manager Date 7/9/2003

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:



Office of the Secretary of State

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

Newfield Production Company
Filing Number: 41530400

Articles of Amendment

September 02, 2004

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



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

Secretary of State

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

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

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

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

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

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

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

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

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

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

INLAND RESOURCES INC.

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

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



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

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

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

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

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

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

DATA ENTRY:

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

FEDERAL WELL(S) BOND VERIFICATION:

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

INDIAN WELL(S) BOND VERIFICATION:

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

FEE & STATE WELL(S) BOND VERIFICATION:

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

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

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8

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

Ref: 8P-W-GW

OCT 30 2008

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

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

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

RE: Additional Well: Jonah Area Permit
UIC Permit No. UT20642-00000
Well ID: UT20642-08175
Allen Federal 23-6-9-17
1989' FSL & 1885' FWL
NE SW Section 6-T9S-R17E
Duchesne County, Utah
API # 43-013-30558

RECEIVED
NOV 04 2008
DIV. OF OIL, GAS & MINING

Dear Mr. Sundberg:

The Newfield Production Company's request to convert the former Green River Formation oil well Allen Federal 23-6-9-17 to an enhanced recovery injection well in the Jonah Area Permit is hereby authorized by the Environmental Protection Agency (EPA) under the terms and conditions of the Authorization for Additional Well.

The addition of the proposed injection well, within the exterior boundary of the Uintah & Ouray Indian Reservation, is being made under the authority of 40 CFR §144.33 (c) and terms of the Jonah Area Permit No. UT20642-00000 and subsequent modifications.

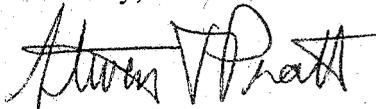
Please be aware that Newfield does not have authorization to begin injection operations into the well until all Prior to Commencing Injection requirements have been submitted and evaluated by the EPA, and has received written authorization from the Director to begin injection. Please note that the Permit limits injection to the gross interval within the Green River Formation between the depths of 3716 feet and the top of the Wasatch Formation, estimated at 6085 feet.

Prior to receiving authorization to inject, the EPA requires that Newfield submit for review and approval: (1) the results of a **Part 1 (Internal) mechanical integrity test (MIT)**, (2) a **pore pressure** calculation of the injection interval, (3) **step rate test** performed following current EPA guidance, and (4) a complete **EPA Form No. 7520-12** (Well Rework Record) with a new schematic diagram.

The initial Maximum Allowable Injection Pressure (MAIP) for the Allen Federal 23-6-9-17 was determined to be **1400 psig**. UIC Area Permit UT20642-00000 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 Ms. Sarah Bahrman at (303) 312-6243 or 1-(800)-227-8917 (Ext. 312-6243). Please submit the required data to **ATTENTION: Sarah Bahrman**, at the letterhead address, citing **MAIL CODE: 8P-W-GW** very prominently.

Sincerely,



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

Encl: Authorization For Conversion of An Additional Well
EPA Form No. 7520-12 (Well Rework Record).
Proposed Wellbore and P&A Wellbore schematics for Allen Federal 23-6-9-17.

cc: Letter Only

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

Irene Cuch, Vice Chairwoman
Uintah & Ouray Business Committee
Ute Indian Tribe

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

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

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

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

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

All enclosures:

Larry Love, Director
Energy and Minerals Department
Ute Indian Tribe

Michael Guinn, District Manager
Newfield Production Company
Myton, Utah

Michelle Sabori, Director
Land Use Dept.
Ute Indian Tribe

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

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

Elaine Willie, GAP Coordinator
Land Use Dept.
Ute Indian Tribe

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: UT20642-00000

The Jonah Final UIC Area Permit No. UT20642-00000, effective December 22, 1992, authorizes injection for the purpose of enhanced oil recovery into multiple lenticular sand units which are distributed throughout the lower portion of the Green River Formation. On July 14, 2008, the permittee provided notice to the Director concerning the following additional enhanced recovery injection well:

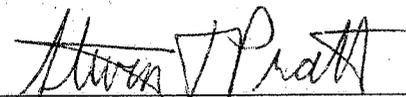
| | |
|---------------------|---|
| Well Name: | <u>Allen Federal 23-6-9-17</u> |
| EPA Well ID Number: | <u>UT 20642-08175</u> |
| Location: | 1989' FSL & 1885' FWL NE SE Sec. 6 T9S-R17E Duchesne County, Utah. API #43-013-30558 |

Pursuant to 40 CFR §144.33, Area UIC Permit No. UT20642-00000 authorizes the permittee to construct and operate, convert, or plug and abandon additional enhanced recovery injection wells within the area permit. This well was determined to satisfy additional well criteria required by the permit.

This well is subject to all provisions of UIC Area Permit No. UT20642-00000, as modified and as specified in the Well Specific Requirements detailed below. This Authorization shall expire one year after the Effective Date unless the permittee has converted the well to injection or submits a written request to extend this Authorization prior to the expiration date.

This Authorization is effective upon signature.

Date: OCT 30 2008


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

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

WELL-SPECIFIC REQUIREMENTS

Well Name: Allen Federal 23-6-9-17
EPA Well ID Number: UT20642-08175

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

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

Approved Injection Zone: Injection is approved between the top of the Garden Gulch Member of the Green River Formation [3716 feet (KB)] to the top of the Wasatch Formation, which is estimated to be at a depth of [6085 feet (KB)].

Maximum Allowable Injection Pressure (MAIP): The initial MAIP is 1400 psig, based on the following calculation:

$$\begin{aligned} \text{MAIP} &= [\text{FG} - (0.433)(\text{SG})] * \text{D}, \text{ where} \\ \text{FG} &= 0.770 \text{ psi/feet} \quad \text{SG} = 1.015 \quad \text{D} = \underline{4249 \text{ feet}} \quad (\text{top perforation depth KB}) \\ \text{MAIP} &= \underline{1400 \text{ psig}} \end{aligned}$$

UIC Area Permit No. UT20642-00000 also provides the opportunity for the permittee to request a change of the MAIP based upon results of a step rate test that demonstrates the formation breakdown pressure will not be exceeded.

Well Construction and Corrective Action: No Corrective Action is Required on the Allen Federal 23-6-9-17. Based on review of well construction and cementing records, including the cement bond log (CBL), well construction is considered adequate to prevent fluid movement out of the injection zone and into USDWs.

Tubing and Packer: 2-3/8" or similar size injection tubing is approved; the packer shall be set at a depth no more than 50 feet above the top perforation.

Corrective Action for Wells in Area of Review (AOR): The following five (5) wells, that penetrate the confining zone within or proximate to a 1/4 mile radius around the Allen Federal 23-6-9-17, were evaluated to determine if any corrective action is necessary to prevent fluid movement into USDW:

No. 7520-12) and a schematic diagram, and received authorization from the Director to re-commence injection.

Demonstration of Mechanical Integrity: A successful demonstration of Part I (Internal) Mechanical Integrity using a standard Casing-Tubing pressure test is required for the Allen Federal 23-6-9-17 prior to injection and at least once every five years thereafter. EPA reviewed the Cement Bond Log and determined the cement will provide an effective barrier to significant upward movement of fluids through vertical channels adjacent to the well bore pursuant to 40 CFR §146.8 (a)(2). Therefore, further demonstration of Part II (External) Mechanical Integrity is not required at this time.

Demonstration of Financial Responsibility: The applicant has demonstrated financial responsibility by an Annual Statement that has been approved by the EPA. The Plugging and Abandonment cost has been estimated by the Permittee to be \$59,344.

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 and in accordance with other applicable Federal, State or local laws or regulations. 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. 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: Seal Injection Zone: Set a cast iron bridge plug (CIBP) no more than fifty (50) feet above the top injection perforation with a minimum 20-foot cement plug on top of the CIBP.

PLUG NO. 2: Seal Mahogany Shale and Trona intervals: Squeeze a cement plug on the backside of the 5-1/2" casing across the Trona Zone and the Mahogany Bench between approximately 2875 ft. (KB) to 3035 ft. (KB) (unless pre-existing backside cement precludes cement-squeezing this interval), followed by a minimum 160-foot balanced cement plug inside the 5-1/2" casing across the Trona Zone and the Mahogany Shale, from approximately 2875 ft. (KB) to 3035 ft. (KB).

PLUG NO. 3: Seal USDWs: Squeeze a cement plug on the backside of the 5-1/2" casing across the top of the Green River Formation between approximately 1425 ft. (KB) and 1525 ft. (KB) (unless pre-existing cement precludes cement-squeezing this interval), followed by a minimum 100-foot balanced plug inside the 5-1/2 casing across the base of the Uinta Formation, from approximately 1425 ft. (KB) to 1525 ft. (KB).

PLUG NO. 4: Seal Surface: Set a Class "G" cement plug within the 5-1/2" casing to 309 ft. and up the 5-1/2" x 8-5/8" casing annulus to the surface.

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

Reporting of Noncompliance:

- (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.

WELL-SPECIFIC CONSIDERATIONS

Well Name: Allen Federal 23-6-9-17
EPA Well ID Number: UT20642-08175

Underground Sources of Drinking Water (USDWs): USDWs in the Jonah 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 164 feet below ground surface in the Allen Federal 23-6-9-17.

Utah Division of Water Rights (searched online at <http://utstnrwrt6.waterrights.utah.gov/cgi-bin/wrplat.exe>):

There are no reservoirs, streams, domestic or agricultural water wells within a quarter (1/4) mile of the well.

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

- TDS of the Douglas Creek Member – Green River Formation Water: 12,683 mg/l.

- TDS of Jonah Facility Injection System source water: 4,278 mg/l.

The **injectate** is a blend of drinking-quality water from the Johnson Water District supply line and/or water from the Green River supply line, as well as Green River Formation water resulting in TDS < 10,000 mg/l.

Aquifer Exemption is **not** required because the total dissolved solids (TDS) of the Green River Formation water is 12,683 mg/l.

Confining Zone: The Confining Zone, which directly overlies the Garden Gulch Member of the Green River Formation, is approximately 189 feet of shale between the depths of 3527 ft. and 3716 ft. (KB).

Injection Zone: The Injection Zone at this well location is approximately 2369 ft. of multiple lenticular sand units interbedded with shale, marlstone and limestone from the top of the Garden Gulch Member at 3716 feet (KB) to the top of the Wasatch Formation which is estimated to be at 6085 ft. (KB). All formation tops are based on correlations to the Newfield Production Federal #1-26-8-17 (UT20702-04671) Type Log.

Well Construction: The CBL shows approximately 28 ft. of 80% or greater cement bond (3528 ft. to 3556 ft.) in the Confining Zone.

Surface Casing: 8-5/8" casing is set at 259 ft. (KB) in a 12-1/4" hole, using 190 sacks Class H cement.

Longstring Casing: 5-1/2" casing is set at 5486 ft. (KB) in a 7-7/8" hole secured with 860 sacks of 50/50 POZ cement. Total drilled depth is 5495 ft., and plugged back total depth is 5424 ft. EPA calculates top of cement at the surface. Estimated CBL top of cement is 3040 ft.

Perforations: Top perforation: **4249 ft.** (KB) Bottom perforation: **5260 ft.** (KB)

Wells in Area of Review (AOR): Construction and cementing records, including cement bond Logs (CBL) for five (5) wells in the ¼ mile AOR that penetrated the Confining Zone, were reviewed. Three (3) were found to have sufficient thickness of 80% or greater cement bond in the Confining Zone and two (2) did not and will require Corrective Action.

Wells Requiring Corrective Action:

Well: Monument Federal 24-6 SE SW Sec. 6-T9S-R17E
CBL does not go through the confining zone (top portion ends at 2500' and lower portion begins at 4000'). As described in the Authorization for Additional Well, Newfield must either run a CBL or take corrective action for this well.

Well: Jonah Federal N-6-9-17 NW SW Sec. 6-T9S-R17E
No CBL is available for this well. As described in the Authorization for Additional Well, Newfield must either run a CBL or take corrective action for this well.

Wells Not Requiring Corrective Action:

Well: Allen Federal 13-6 NW SW Sec. 6-T9S-R17E

Well: Allen Federal 22-6 SE NW Sec. 6-T9S-R17E

Well: Jonah Federal M-6-9-17 NE SW Sec. 6-T9S-R17E

NEWFIELD



ROCKY MOUNTAINS

RE: Procedure related to proposed Class II Enhanced Oil Recovery Injection Wells determined by the EPA to have specific Area of Review (AOR) wells with inadequate cement across the confining zone

Effective July 10, 2008 Newfield Production Company will implement the following procedure to address concerns related to protection of Underground Sources of Drinking Water (USDW) in AOR wells where the interval of cement bond index across the confining zone behind pipe has been determined to be inadequate. The procedure is intended to meet the corrective action requirements found in the UIC Class II permit, as well as provide data that could be used to detect and prevent fluid movement out of the proposed injection zone.

- 1) Establish baseline production casing by surface casing annulus pressures prior to water injection in subject well with a calibrated gauge.
- 2) Record the baseline pressure, report findings to Newfield engineering group and keep on file so it is available upon request
- 3) Place injection well in service. Run packer integrity and radioactive tracer logs to verify wellbore integrity and determine zones taking water.
- 4) Construct a geologic cross section showing zones taking water and their geologic equivalent zones in the AOR wells.
- 5) Submit a report of the packer integrity log, radioactive tracer log, and geologic cross section to the Newfield engineering staff for review and keep on file so it is available upon request
- 6) Weekly observations of the site will be made by Newfield during normal well operating activities. Any surface discharge of fluids will be reported immediately.
- 7) After injection well is placed in service, weekly observations of annulus pressure will be made and compared to baseline pressure and will be recorded once monthly. The recorded pressure information will be kept on file and be available upon request.
- 8) If pressure increases by more than 10% above baseline at any time in an AOR well with insufficient cement bond, Newfield will run a temperature survey log in subject well. This log, in concert with the geologic cross section, will enable the determination of water movement in the open hole by production casing annulus through a shift in geothermal gradient.
- 9) If water movement is determined in annulus, Newfield will shut in the injection well and repair the production casing by open hole annulus or leave the injection well out of service.

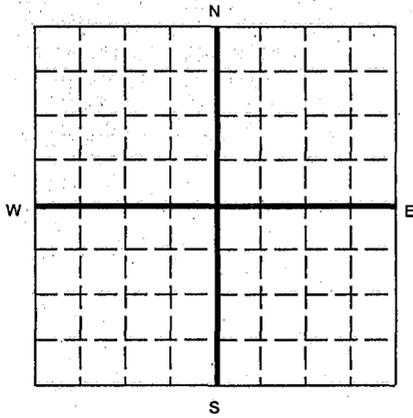


United States Environmental Protection Agency
Washington, DC 20460

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

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 |
|--|-----------|-------------|

Spud Date: 5/12/1981

Put on Production: 6/16/1981

GI: 5363 KB: 5377

5364 5376

Allen Federal #23-6-9-17

Initial Production: 167 BOPD
51 MCFD, 37 BWPD

Proposed Injection Wellbore Diagram

FRAC JOB

SURFACE CASING

CSG SIZE: 8 5/8" / K-55 / 24 lbs.

LENGTH: 6 jts. @ 259.09'

DEPTH LANDED: ~~259~~ KB 259

HOLE SIZE: 12 1/4"

CEMENT DATA: 190 sx, Class "H". Cemented to surface

tax calc @ surface

PRODUCTION CASING

CSG SIZE: 5 1/2" / K-55 / 15.5 lbs.

LENGTH: 131 jts. @ 5519'

DEPTH LANDED: 5486' KB

HOLE SIZE: 7 7/8"

CEMENT DATA: 960 sx 50/50 poz

CEMENT TOP AT: 3040' from CBL

860 SXS

TUBING RECORD

SIZE/GRADE/WT.: 2 3/8" / J-55 / 4.7#

NO. OF JOINTS: 165 jts. (5180.34')

TUBING ANCHOR: 5194.34'

NO. OF JOINTS: 3 jts. (96.46')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 5293.60' KB

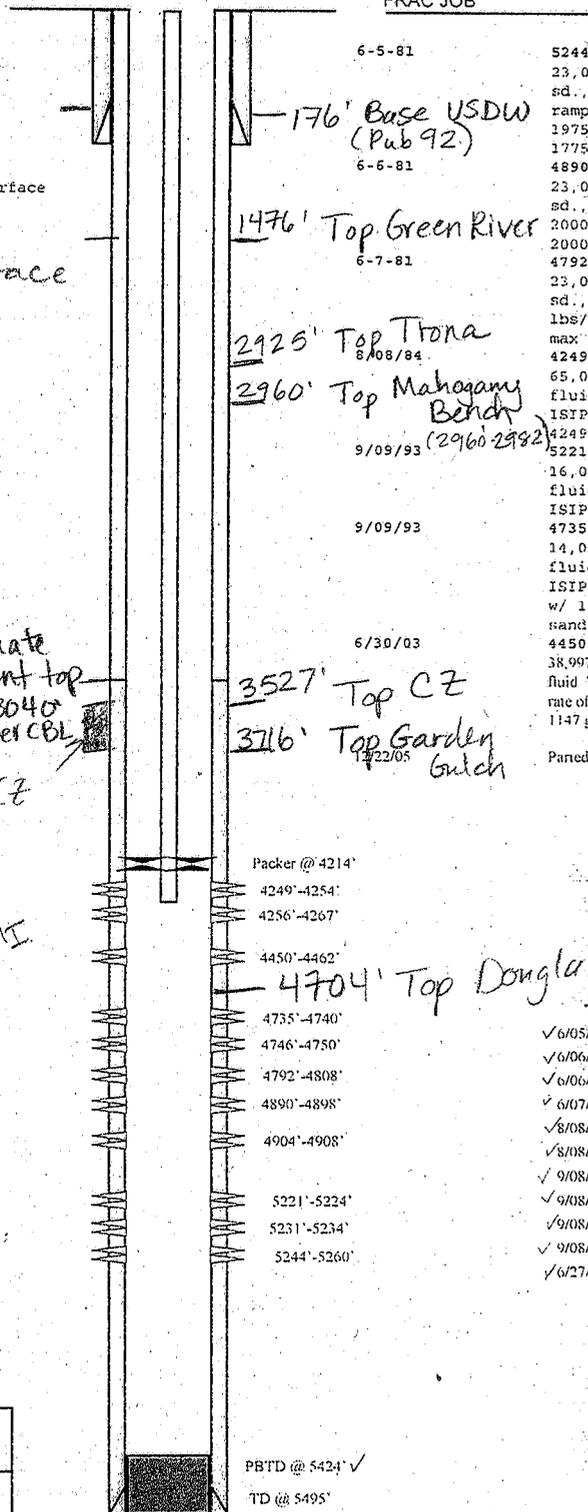
NO. OF JOINTS: 1 jts. (31.69')

TOTAL STRING LENGTH: EOT @ 5326.84' w/14' KB

*estimate
Cement top
@ 3040'
per CBL*

CZ

*80% cement bond
in Confining zone
from 3528' - 3556'
⇒ Adequate for Part II MI*



| Date | Fracture Interval | Fluid Details |
|---------|-------------------|---|
| 6-5-81 | 5244'-5260' Frac | 23,000 gal Gel w/27,000# 20-40 sd., 16,000 lbs; 10-20 sd., ramped 2-4 lbs/gal. Avg 20 BPM @ 1975psig, max @ 2200psig. ISIP @ 1775 psig. |
| 6-6-81 | 4890'-4908' Frac | 23,000 gal Gel w/ 43,000# 20-40 sd., 1-4 lbs/gal. Avg 20 BPM @ 2000psig, max @ 2050psig. ISIP @ 2000psig. |
| 6-7-81 | 4792'-4808' Frac | 23,000 gal Gel w/27,000# 20-40 sd., 16,000 lbs. 10-20 sd., 1-4 lbs/gal. Avg 20 BPM @ 1800psig, max @ 1875psig. ISIP @ 1800psig. |
| 8/08/84 | 4249'-4267' Frac | 65,000 lbs 20-40 sd. in 642 bbls. fluid. Avg 2612 psig @ 27.4 BPM @ ISIP 1900 psig. Calc. flush: 4249 gal. Actual flush: 3270 gal. |
| 9/09/93 | 5221'-5234' Frac | 16,000 lbs 16/30 sd. in 280 bbls. fluid. Avg 4100 psig @ 12 BPM ISIP 1800 psig. |
| 9/09/93 | 4735'-4750' Frac | 14,000 lbs 16/30 sd. in 339 bbls. fluid. Avg 4200 psig @ 12.3 BPM. ISIP: unknown. Screened out w/ 120' sand in casing and 120' sand in tubing. |
| 6/30/03 | 4450'-4462' Frac | PB10 sands as follows: 38,997# 20/40 sand in 323 bbls Viking 1-25 fluid. Treated @ avg press of 3400 psi w/avg rate of 16 BPM. ISIP 2210 psi. Calc flush: 1147 gal. Actual flush: 1050 gal. |

Parred rods. Update rod and tubing details.

PERFORATION RECORD

| | | | |
|-----------|-------------|--------|----------|
| ✓ 6/05/81 | 5244'-5260' | 2 JSPP | 12 holes |
| ✓ 6/06/81 | 4904'-4908' | 2 JSPP | 08 holes |
| ✓ 6/06/81 | 4890'-4898' | 2 JSPP | 16 holes |
| ✓ 6/07/81 | 4792'-4808' | 2 JSPP | 32 holes |
| ✓ 8/08/84 | 4256'-4267' | 4 JSPP | 44 holes |
| ✓ 8/08/84 | 4249'-4254' | 4 JSPP | 20 holes |
| ✓ 9/08/93 | 5231'-5234' | 4 JSPP | 12 holes |
| ✓ 9/08/93 | 5221'-5224' | 4 JSPP | 12 holes |
| ✓ 9/08/93 | 4746'-4750' | 4 JSPP | 16 holes |
| ✓ 9/08/93 | 4735'-4740' | 4 JSPP | 20 holes |
| ✓ 6/27/03 | 4450'-4462' | 4 JSPP | 48 holes |

NEWFIELD

Allen Federal #23-6-9-17
1989' FSL & 1885' FWL
NE/SW Section 6-T9S-R17E
Duchesne Co. Utah
API #43-013-30558; Lease #UTU-020252A

*5960' est Top Basal Carbonate
JUL 14 2009
6085' est Top Wasatch*

Spud Date: 5/12/1981

Allen Federal #23-6-9-17

Put on Production: 6/16/1981

Initial Production: 167 BOPD.
51 MCFD, 37 BWPD

GL: 5363' KB: 5377'

Proposed P & A Wellbore Diagram

SURFACE CASING

CSG SIZE: 8 5/8" / K-55 / 24 lbs.
LENGTH: 6 jts. @ 259.09'
DEPTH LANDED: 259' KB 259'
HOLE SIZE: 12 1/4"
CEMENT DATA: 190 sx, Class "H": Cemented to surface

Plug 4 - Cement inside + outside long string casing from surface to depth of at least 50' below surface casing shoe. (307')

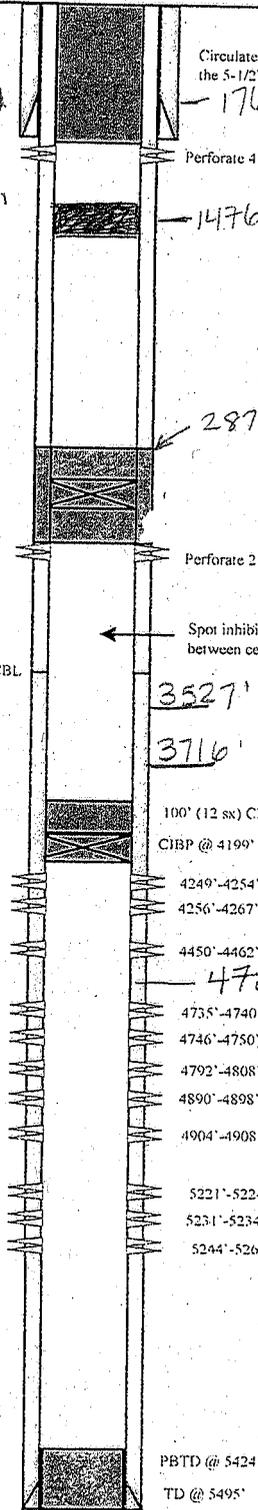
PRODUCTION CASING

CSG SIZE: 5 1/2" / K-55 / 15.5 lbs.
LENGTH: 131 jts. @ 5519'
DEPTH LANDED: 5486' KB
HOLE SIZE: 7 7/8"
CEMENT DATA: 960 sx 50/50 poz
CEMENT TOP AT: 3040' from CBL

Plug 2 - 2875' - 3035'

160' cement plug to go 250' above Top Irona + 250' below bottom Mahogany Beach

Plug 1 - Place 5' Cast Iron Plug @ 50' above top perf. and place 220' cement on top.



Circulate 86 sx Class "G" Cement down 5-1/2" casing and up the 5-1/2" x 8-5/8" annulus
-176' Base US DW (Pub 92)
Perforate 4 JSPF @ 307'

1476' Top Green River 14 2008

2875' (or higher)

Trona/Birds Nest - Top @ 2925

Perforate 2 JSPF @ 3035' or lower Mahogany Beach - Top @ 2960' (to 2982')

3527' Top Coning Zone Shale

3716' Top Garden Gulch

100' (12 sx) Class G Cement plug on top of CIBP @ 50' above top perf.

CIBP @ 4199'

4704' Top Douglas Creek

4249'-4254'

4256'-4267'

4450'-4462'

4735'-4740'

4746'-4750'

4792'-4808'

4890'-4898'

4904'-4908'

5221'-5224'

5231'-5234'

5244'-5260'

PBTD @ 5424'

TD @ 5495'

NEWFIELD

Allen Federal #23-6-9-17
1989' FSL & 1885' FWL
NE/SW Section 6-T9S-R17E
Duchesne Co. Utah
API #43-013-30558; Lease #UTU-020252A

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

5. LEASE DESIGNATION AND SERIAL NUMBER:
USA UTU-020252-A

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:
JONAH UNIT

1. TYPE OF WELL: OIL WELL GAS WELL OTHER

8. WELL NAME and NUMBER:
ALLEN FED 23-6

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4301330558

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

PHONE NUMBER
435.646.3721

10. FIELD AND POOL, OR WILDCAT:
MONUMENT BUTTE

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 1989 FSL 1885 FWL

COUNTY: DUCHESNE

OTR/OTR. SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW, 6, 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"/> TEMPORARITLY ABANDON |
| | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS | <input type="checkbox"/> OPERATOR CHANGE | <input type="checkbox"/> TUBING REPAIR |
| | <input type="checkbox"/> CHANGE TUBING | <input type="checkbox"/> PLUG AND ABANDON | <input type="checkbox"/> VENT OR FLAIR |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: <u>07/29/2009</u> | <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 | |

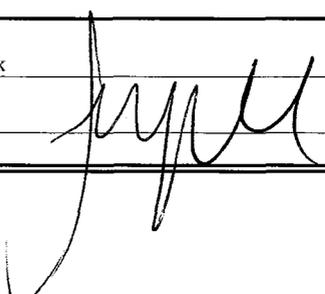
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well has been converted from a producing oil well to an injection well on 07/17/09. On 06/29/09 Steven Pratt with the EPA was contacted concerning the initial MIT on the above listed well. Permission was given at that time to perform the test on 07/07/09. On 07/09/09 the casing was pressured up to 1300 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# UT20642-08175 API# 43-013-30558

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

NAME (PLEASE PRINT) Jentri Park

TITLE Production Tech

SIGNATURE 

DATE 07/29/2009

(This space for State use only)

**RECEIVED
AUG 03 2009
DIV. OF OIL, GAS & MINING**

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: _____ Date: 7 / 23 / 2009
 Test conducted by: Ted Whitehead
 Others present: _____

| | | |
|---|-----------------------------------|------------------|
| Well Name: <u>Allen Federal 23-6-9-17</u> | Type: ER SWD | Status: AC TA UC |
| Field: <u>MONUMENT BUTTE</u> | | |
| Location: <u>NE 1/4</u> Sec: <u>6</u> T <u>9</u> N <u>(S)</u> R <u>17</u> E <u>(W)</u> County: <u>Duchesne</u> State: <u>UT</u> | | |
| Operator: <u>Newfield Exploration</u> | | |
| Last MIT: <u> / / </u> | Maximum Allowable Pressure: _____ | PSIG |

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

Pre-test casing/tubing annulus pressure: 0 psig

| MIT DATA TABLE | Test #1 | Test #2 | Test #3 |
|---|--|---|---|
| TUBING PRESSURE | | | |
| Initial Pressure | <u>0</u> psig | psig | psig |
| End of test pressure | <u>0</u> psig | psig | psig |
| CASING / TUBING ANNULUS PRESSURE | | | |
| 0 minutes | <u>1300</u> psig | psig | psig |
| 5 minutes | <u>1300</u> psig | psig | psig |
| 10 minutes | <u>1300</u> psig | psig | psig |
| 15 minutes | <u>1300</u> psig | psig | psig |
| 20 minutes | <u>1300</u> psig | psig | psig |
| 25 minutes | <u>1300</u> psig | psig | psig |
| 30 minutes | <u>1300</u> psig | psig | psig |
| _____ minutes | psig | psig | psig |
| _____ minutes | psig | psig | psig |
| RESULT | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | <input type="checkbox"/> Pass <input type="checkbox"/> Fail |

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

MECHANICAL INTEGRITY PRESSURE TEST

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

Signature of Witness: _____

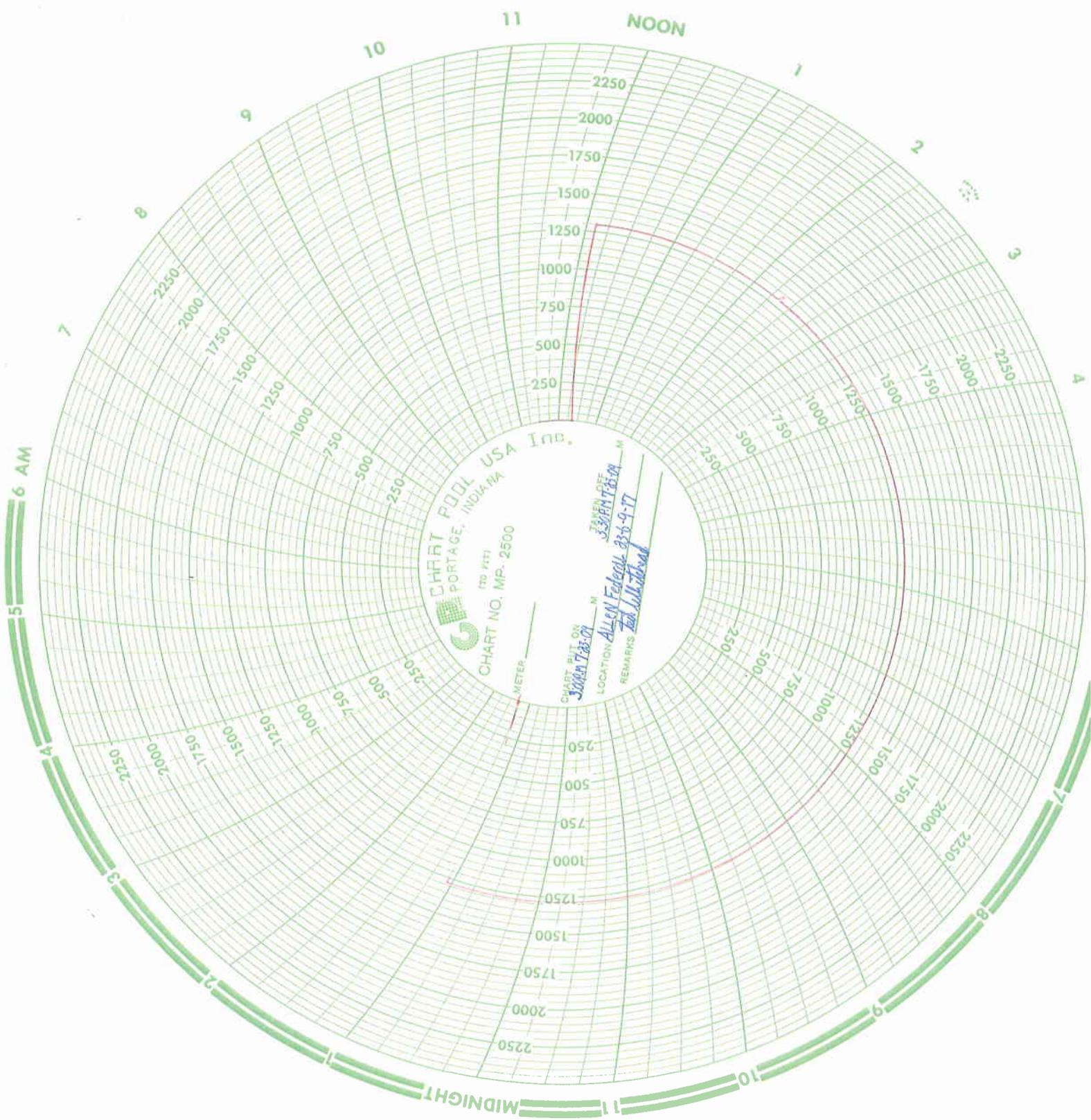


CHART POOL USA Inc.
PORTAGE, INDIANA
170 FWT
CHART NO. MP. 2500

CHART NO. 11 ON
3000 T-30 M
LOCATION ALLEN Federal 2-18-9-17
REMARKS 3000 T-30 M
2000 T-30 M



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8

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

Ref: 8P-W-GW

AUG 11 2009

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

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

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

RE: Authorization to Commence Injection
EPA UIC Permit UT20642-08175
Well: Allen Federal 23-6-9-17
NE/SW Section 6 T9S R17E
Duchesne County, Utah
API #: 43-013-30558

9S 17E 6

Dear Mr. Guinn:

Newfield Production Company (Newfield) has satisfactorily completed Environmental Protection Agency (EPA) Prior to Commencing Injection requirements for Final Permit UT20642-08175, effective October 30, 2008. The Part I (Internal) Mechanical Integrity Test (MIT), Well Rework Record (EPA Form No. 7520-12), schematic diagram, and pore pressure, were reviewed and approved on August 7, 2009.

A Radial Cement Bond Log (CBL) for AOR Well Jonah Federal N-6-9-17 was also received and evaluated by EPA. The Radial CBL for Jonah Federal N-6-9-17 shows adequate cement through the Confining Zone. Thus, no correction action is required on this AOR well.

As of the date of this letter, Newfield is authorized to commence injection into Federal 23-6-9-17 at a maximum allowable injection pressure (MAIP) of 1,400 psig. Until such time as the Permittee demonstrates through a Step Rate Test (SRT) that the Fracture Gradient (FG) is other than 0.770 psi/ft, Federal 23-6-9-17 shall be operated at a MAIP no greater than 1,400 psig.

As of this approval, responsibility for permit compliance and enforcement is transferred to Region 8 UIC Technical Enforcement Program office. Therefore, please direct all monitoring and compliance correspondence to the following address, referencing your well name and UIC Permit number on all correspondence regarding this well to:

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AUG 17 2009

DIV. OF OIL, GAS & MINING

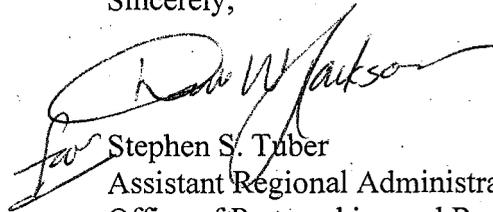
Mr. Nathan Wiser
Technical Enforcement Program – UIC
U.S. EPA Region 8: Mail Code 8ENF-UFO
1595 Wynkoop Street
Denver, CO 80202-1129

Or, you may reach Mr. 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, IIT20642-08175.

If you have questions regarding the above action, please call Sarah Bahrman at 303-312-6243 or 1-800-227-8917, ext. 312-6243.

Sincerely,



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

cc:

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

Daniel Picard
BIA - Uintah & Ouray Indian Agency

Ferron Secakuku
Director, Natural Resources
Ute Indian Tribe

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

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

Fluid Minerals Engineering Office
BLM - Vernal Office

Eric Sundberg, Regulatory Analyst
Newfield Production Company

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

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)
1989 FSL 1885 FWL

NESW Section 6 T9S R17E

5. Lease Serial No.

USA UTU-020252-A

6. If Indian, Allottee or Tribe Name.

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

JONAH UNIT

8. Well Name and No.

ALLEN FED 23-6

9. API Well No.

4301330558

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | | |
|--|---|---|--|---|
| <input checked="" 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 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 put well on injection _____ |
| | <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 recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

The above reference well was put on injection at 2:00 PM on 8-20-09.

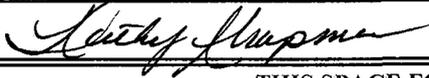
UT 20042-08175

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

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Kathy Chapman

Signature



Title

Office Manager

Date

08/21/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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.

Title

Office

Date

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)

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AUG 24 2009

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

5. LEASE DESIGNATION AND SERIAL NUMBER:
USA UTU-020252-A

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:
ALLEN FED 23-6

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4301330558

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: 1989 FSL 1885 FWL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NESW, 6, T9S, R17E

STATE: UT

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|--|---|---|---|
| <input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will | <input type="checkbox"/> ACIDIZE | <input type="checkbox"/> DEEPEN | <input type="checkbox"/> REPERFORATE CURRENT FORMATION |
| | <input type="checkbox"/> ALTER CASING | <input type="checkbox"/> FRACTURE TREAT | <input type="checkbox"/> SIDETRACK TO REPAIR WELL |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 04/19/2011 | <input type="checkbox"/> CASING REPAIR | <input type="checkbox"/> NEW CONSTRUCTION | <input type="checkbox"/> TEMPORARILY ABANDON |
| | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS | <input type="checkbox"/> OPERATOR CHANGE | <input type="checkbox"/> TUBING REPAIR |
| | <input type="checkbox"/> CHANGE TUBING | <input type="checkbox"/> PLUG AND ABANDON | <input type="checkbox"/> VENT OR FLAIR |
| | <input type="checkbox"/> CHANGE WELL NAME | <input type="checkbox"/> PLUG BACK | <input type="checkbox"/> WATER DISPOSAL |
| | <input type="checkbox"/> CHANGE WELL STATUS | <input type="checkbox"/> PRODUCTION (START/STOP) | <input type="checkbox"/> WATER SHUT-OFF |
| | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> RECLAMATION OF WELL SITE | <input checked="" type="checkbox"/> OTHER: - Step Rate Test |
| | <input type="checkbox"/> CONVERT WELL TYPE | <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION | |

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

A step rate test was conducted on the subject well on April 19, 2011. Results from the test indicate that the fracture gradient is 0.833 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed from 1400 psi to 1670 psi.

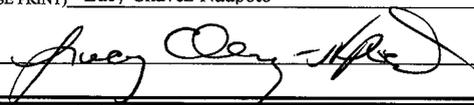
EPA: UT20642-08175 API: 43-013-30558

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

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Water Services Technician

SIGNATURE



DATE 05/03/2011

(This space for State use only)

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MAY 11 2011
DIV. OF OIL, GAS & MINING

Step Rate Test (SRT) Analysis

Date: 04/21/2011

Operator: Newfield Production Company

Well: Allen Federal 23-6-9-17

Permit #: UT20642-08175

Enter the following data :

| | | | |
|---|--------------|------|-------------|
| Specific Gravity (sg) of injectate = | <u>1.015</u> | g/cc | |
| Depth to top perforation (D) = | <u>4249</u> | feet | 4249 |
| Top of permitted injection zone depth (blank=use top perforation to calculate fg) = | | feet | |
| Estimated Formation Parting Pressure (Pfp) from SRT chart = | <u>1725</u> | psi | |
| Instantaneous Shut In Pressure (ISIP) from SRT = | <u>1671</u> | psi | 1725 |
| Bottom Hole Parting Pressure (Pbhp) from downhole pressure recorder = | | psi | no downhole |

Part One - Calculation of Fracture Gradient (fg)

Calculated Fracture Gradient = 0.833 psi/ft.

where: fg = Pbhp / D (Note: this formula uses the downhole recorded bottom hole parting pressure if available) = 1671

D = depth used = 4249

Pbhp used = 3538

Calculated Bottom Hole Parting Pressure (Pbhp) = 3538 psi

3538.414

to calculate Bottom Hole Parting Pressure (Pbhp) = Formation Fracture Pressure (ISIP or Pfp) + (0.433 * SG * D)

(Uses lesser of ISIP or Pfp) Value used = 1671

Part Two - Calculation of Maximum Allowable Injection Pressure (MAIP)

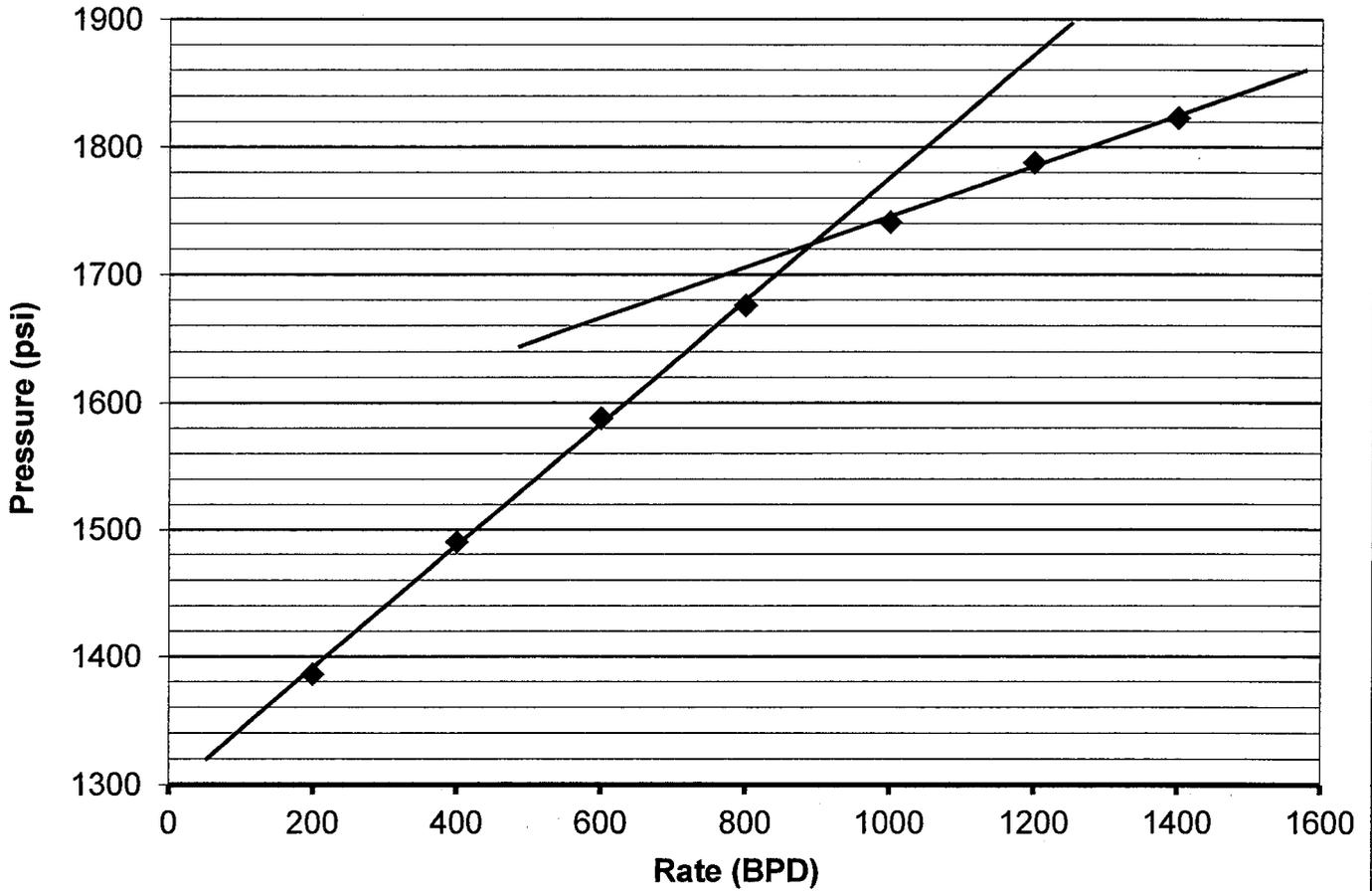
Maximum Allowable Injection Pressure (MAIP) = 1670 psig

D = depth used = 4249

MAIP = [fg * (0.433 * SG)] * D = 1672.003

(rounded down to nearest 5 psig)

**Allen Federal 23-6-9-17
Greater Monument Butte Unit
Step Rate Test
April 19, 2011**



| | | | | |
|---|--------------|-------------|------------------|----------------------|
| Start Pressure: | 1303 psi | Step | Rate(bpd) | Pressure(psi) |
| Instantaneous Shut In Pressure (ISIP): | 1671 psi | 1 | 200 | 1386 |
| Top Perforation: | 4249 feet | 2 | 400 | 1490 |
| Fracture pressure (Pfp): | 1725 psi | 3 | 600 | 1588 |
| FG: | 0.845 psi/ft | 4 | 800 | 1676 |
| | | 5 | 1000 | 1741 |
| | | 6 | 1200 | 1788 |
| | | 7 | 1400 | 1823 |

PSIA

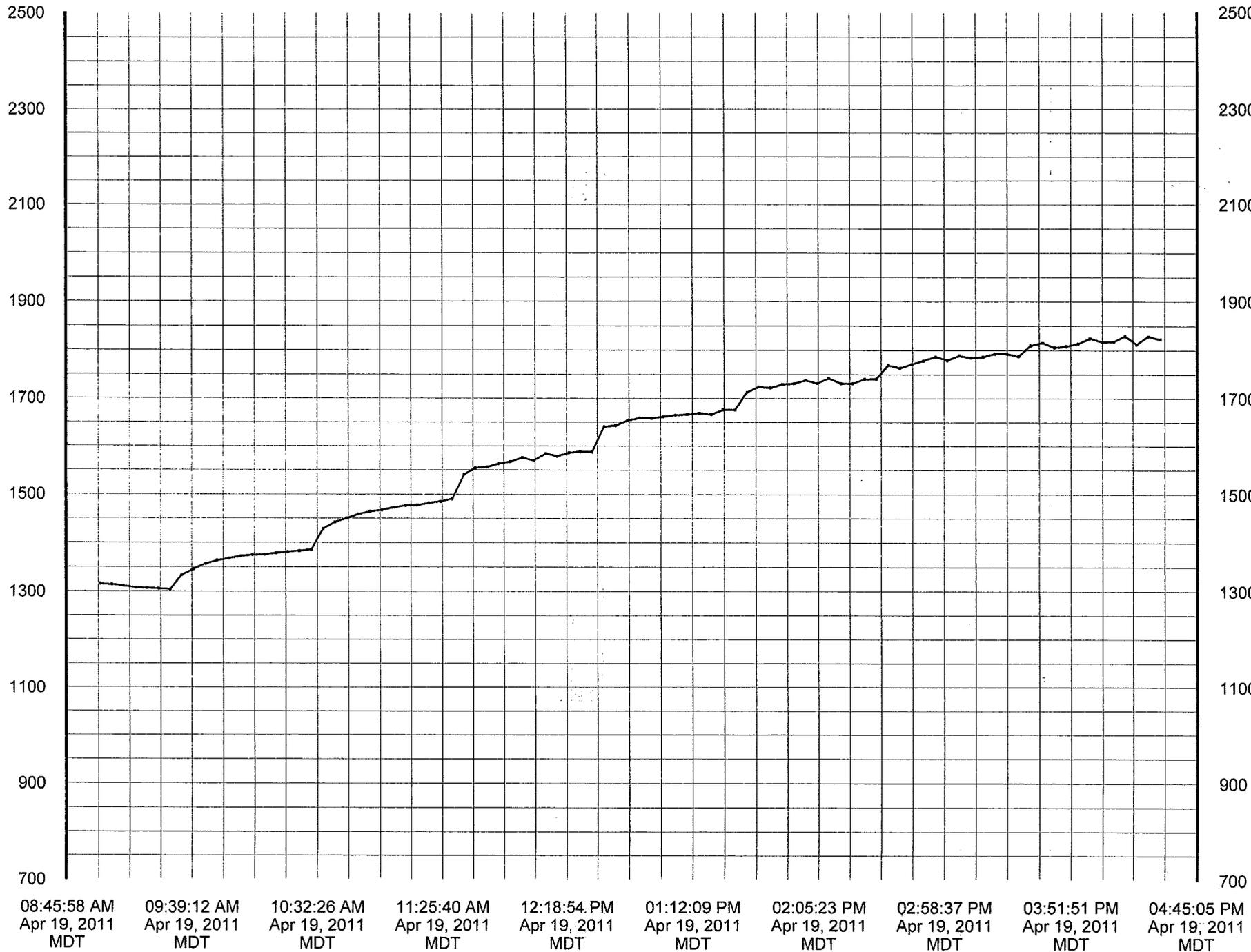
Absolute Pressure



Allen Federal 23-6-9-17 SRT
(4-19-2011)

Device - PrTemp1000
Serial Number - M75866
Device ID - PrTemp

PSIA



Report Name:

Report Date:

File Name:

Title:

Device:

Hardware Revision:

Serial Number:

Device ID:

Data Start Date:

Data End Date:

Reading Rate:

Readings:

Last Calibration Date:

Next Calibration Date:

PrTemp1000 Data Table

Apr 21, 2011 08:57:00 AM MDT

C:\Program Files\PTC® Instruments 2.00\Allen Federal 23-6-9-17 SRT (4-19-2011).csv

Allen Federal 23-6-9-17 SRT (4-19-2011)

PrTemp1000 - Temperature and Pressure Recorder

REV2C (64K)

M75866

PrTemp

Apr 19, 2011 09:00:01 AM MDT

Apr 19, 2011 04:30:00 PM MDT

2 Seconds

1 to 91 of 91

Apr 12, 2011

Apr 12, 2012

| <u>Reading</u> | <u>Date and Time (MDT)</u> | <u>Absolute Pressure</u> | <u>Annotation</u> |
|----------------|----------------------------|--------------------------|-------------------|
| 1 | Apr 19, 2011 09:00:01 AM | 1315.600 PSIA | |
| 2 | Apr 19, 2011 09:05:00 AM | 1314.200 PSIA | |
| 3 | Apr 19, 2011 09:10:01 AM | 1311.400 PSIA | |
| 4 | Apr 19, 2011 09:15:00 AM | 1307.600 PSIA | |
| 5 | Apr 19, 2011 09:20:01 AM | 1306.800 PSIA | |
| 6 | Apr 19, 2011 09:25:00 AM | 1305.200 PSIA | |
| 7 | Apr 19, 2011 09:30:01 AM | 1303.400 PSIA | |
| 8 | Apr 19, 2011 09:35:01 AM | 1333.400 PSIA | |
| 9 | Apr 19, 2011 09:40:01 AM | 1346.200 PSIA | |
| 10 | Apr 19, 2011 09:45:01 AM | 1356.800 PSIA | |
| 11 | Apr 19, 2011 09:50:00 AM | 1363.800 PSIA | |
| 12 | Apr 19, 2011 09:55:01 AM | 1367.800 PSIA | |
| 13 | Apr 19, 2011 10:00:00 AM | 1372.400 PSIA | |
| 14 | Apr 19, 2011 10:05:01 AM | 1374.800 PSIA | |
| 15 | Apr 19, 2011 10:10:00 AM | 1375.800 PSIA | |
| 16 | Apr 19, 2011 10:15:01 AM | 1378.800 PSIA | |
| 17 | Apr 19, 2011 10:20:00 AM | 1381.400 PSIA | |
| 18 | Apr 19, 2011 10:25:01 AM | 1383.400 PSIA | |
| 19 | Apr 19, 2011 10:30:01 AM | 1386.000 PSIA | |
| 20 | Apr 19, 2011 10:35:00 AM | 1428.400 PSIA | |
| 21 | Apr 19, 2011 10:40:01 AM | 1442.200 PSIA | |
| 22 | Apr 19, 2011 10:45:00 AM | 1450.200 PSIA | |
| 23 | Apr 19, 2011 10:50:01 AM | 1458.400 PSIA | |
| 24 | Apr 19, 2011 10:55:00 AM | 1464.200 PSIA | |
| 25 | Apr 19, 2011 11:00:01 AM | 1467.400 PSIA | |
| 26 | Apr 19, 2011 11:05:01 AM | 1473.200 PSIA | |
| 27 | Apr 19, 2011 11:10:00 AM | 1476.800 PSIA | |
| 28 | Apr 19, 2011 11:15:01 AM | 1477.800 PSIA | |
| 29 | Apr 19, 2011 11:20:00 AM | 1482.200 PSIA | |
| 30 | Apr 19, 2011 11:25:01 AM | 1485.400 PSIA | |
| 31 | Apr 19, 2011 11:30:00 AM | 1490.400 PSIA | |
| 32 | Apr 19, 2011 11:35:01 AM | 1540.600 PSIA | |
| 33 | Apr 19, 2011 11:39:59 AM | 1554.200 PSIA | |
| 34 | Apr 19, 2011 11:45:01 AM | 1556.200 PSIA | |
| 35 | Apr 19, 2011 11:50:01 AM | 1563.000 PSIA | |
| 36 | Apr 19, 2011 11:55:01 AM | 1567.200 PSIA | |
| 37 | Apr 19, 2011 12:00:00 PM | 1575.800 PSIA | |
| 38 | Apr 19, 2011 12:04:59 PM | 1570.200 PSIA | |
| 39 | Apr 19, 2011 12:10:00 PM | 1584.200 PSIA | |
| 40 | Apr 19, 2011 12:15:00 PM | 1579.000 PSIA | |
| 41 | Apr 19, 2011 12:20:01 PM | 1586.200 PSIA | |
| 42 | Apr 19, 2011 12:25:00 PM | 1588.200 PSIA | |
| 43 | Apr 19, 2011 12:30:01 PM | 1587.800 PSIA | |
| 44 | Apr 19, 2011 12:35:01 PM | 1640.600 PSIA | |
| 45 | Apr 19, 2011 12:40:01 PM | 1643.000 PSIA | |
| 46 | Apr 19, 2011 12:45:01 PM | 1653.800 PSIA | |
| 47 | Apr 19, 2011 12:50:00 PM | 1658.800 PSIA | |
| 48 | Apr 19, 2011 12:55:01 PM | 1658.000 PSIA | |
| 49 | Apr 19, 2011 01:00:00 PM | 1661.600 PSIA | |
| 50 | Apr 19, 2011 01:05:01 PM | 1665.000 PSIA | |
| 51 | Apr 19, 2011 01:10:00 PM | 1666.600 PSIA | |
| 52 | Apr 19, 2011 01:15:01 PM | 1669.400 PSIA | |
| 53 | Apr 19, 2011 01:20:01 PM | 1666.400 PSIA | |
| 54 | Apr 19, 2011 01:25:01 PM | 1676.200 PSIA | |
| 55 | Apr 19, 2011 01:30:01 PM | 1676.000 PSIA | |
| 56 | Apr 19, 2011 01:35:00 PM | 1712.800 PSIA | |
| 57 | Apr 19, 2011 01:40:01 PM | 1724.200 PSIA | |
| 58 | Apr 19, 2011 01:45:00 PM | 1722.000 PSIA | |
| 59 | Apr 19, 2011 01:50:01 PM | 1729.600 PSIA | |

| | | | |
|----|--------------------------|----------|------|
| 60 | Apr 19, 2011 01:55:00 PM | 1731.200 | PSIA |
| 61 | Apr 19, 2011 02:00:01 PM | 1737.600 | PSIA |
| 62 | Apr 19, 2011 02:05:01 PM | 1731.800 | PSIA |
| 63 | Apr 19, 2011 02:10:01 PM | 1742.000 | PSIA |
| 64 | Apr 19, 2011 02:15:01 PM | 1731.200 | PSIA |
| 65 | Apr 19, 2011 02:20:00 PM | 1731.600 | PSIA |
| 66 | Apr 19, 2011 02:25:01 PM | 1740.400 | PSIA |
| 67 | Apr 19, 2011 02:30:00 PM | 1741.200 | PSIA |
| 68 | Apr 19, 2011 02:35:01 PM | 1769.400 | PSIA |
| 69 | Apr 19, 2011 02:40:00 PM | 1763.400 | PSIA |
| 70 | Apr 19, 2011 02:45:01 PM | 1771.400 | PSIA |
| 71 | Apr 19, 2011 02:50:01 PM | 1778.800 | PSIA |
| 72 | Apr 19, 2011 02:55:01 PM | 1786.800 | PSIA |
| 73 | Apr 19, 2011 03:00:01 PM | 1779.600 | PSIA |
| 74 | Apr 19, 2011 03:05:00 PM | 1789.200 | PSIA |
| 75 | Apr 19, 2011 03:10:01 PM | 1784.600 | PSIA |
| 76 | Apr 19, 2011 03:15:00 PM | 1787.000 | PSIA |
| 77 | Apr 19, 2011 03:20:01 PM | 1793.000 | PSIA |
| 78 | Apr 19, 2011 03:25:00 PM | 1793.200 | PSIA |
| 79 | Apr 19, 2011 03:30:01 PM | 1787.800 | PSIA |
| 80 | Apr 19, 2011 03:35:01 PM | 1810.000 | PSIA |
| 81 | Apr 19, 2011 03:40:00 PM | 1815.600 | PSIA |
| 82 | Apr 19, 2011 03:45:01 PM | 1805.800 | PSIA |
| 83 | Apr 19, 2011 03:50:00 PM | 1808.400 | PSIA |
| 84 | Apr 19, 2011 03:55:01 PM | 1814.000 | PSIA |
| 85 | Apr 19, 2011 04:00:00 PM | 1824.600 | PSIA |
| 86 | Apr 19, 2011 04:05:01 PM | 1817.200 | PSIA |
| 87 | Apr 19, 2011 04:10:00 PM | 1818.000 | PSIA |
| 88 | Apr 19, 2011 04:15:00 PM | 1829.200 | PSIA |
| 89 | Apr 19, 2011 04:20:00 PM | 1812.400 | PSIA |
| 90 | Apr 19, 2011 04:25:00 PM | 1828.800 | PSIA |
| 91 | Apr 19, 2011 04:30:00 PM | 1822.800 | PSIA |

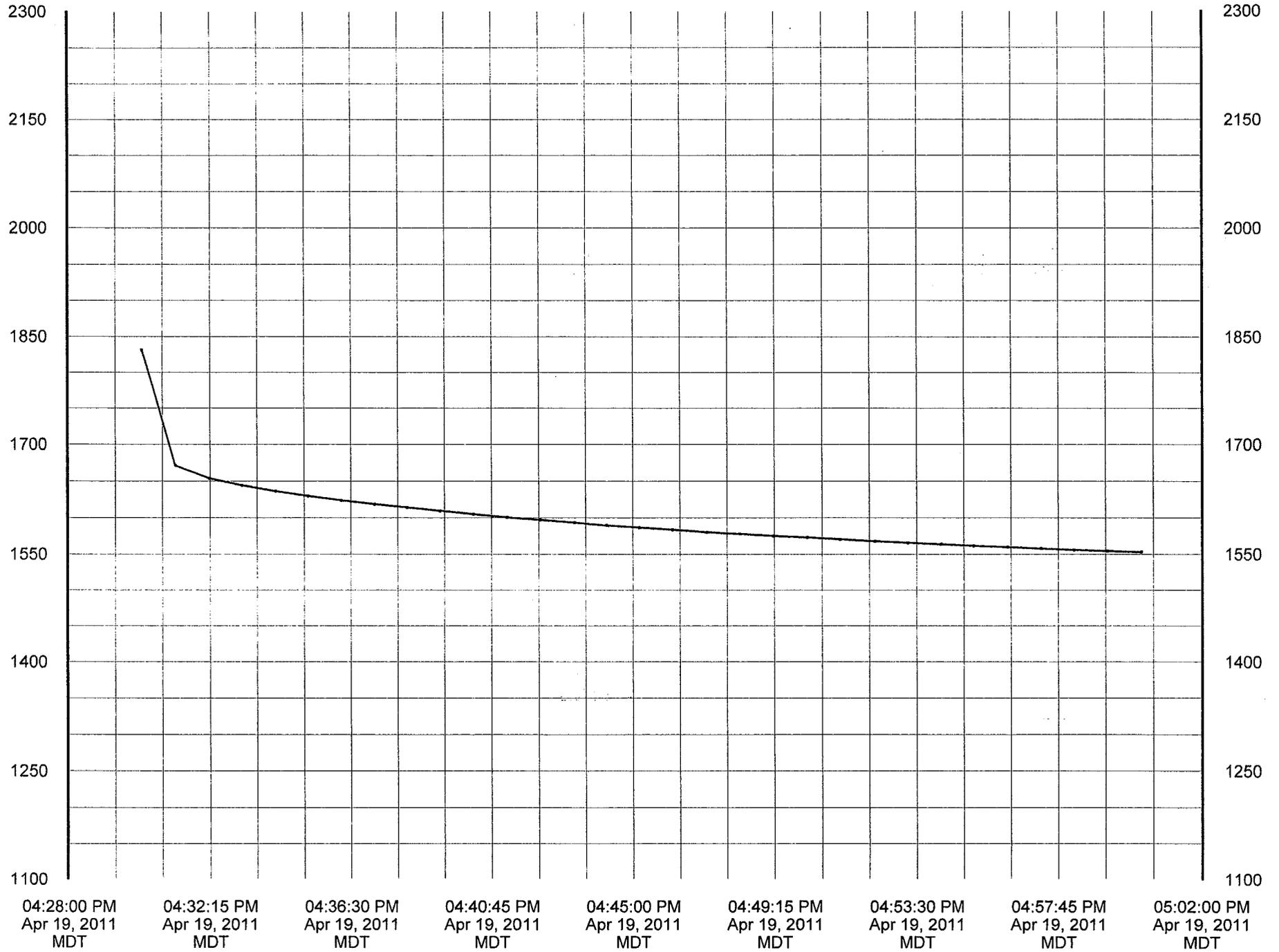
PSIA

Absolute Pressure

Allen Federal 23-6-9-17 ISIP
(4-19-2011)

Device - PrTemp1000
Serial Number - M75866
Device ID - PrTemp

PSIA



Report Name: PrTemp1000 Data Table
 Report Date: Apr 21, 2011 08:56:51 AM MDT
 File Name: C:\Program Files\PTC@ Instruments 2.00\Allen Federal 23-6-9-17 ISIP (4-19-2011).csv
 Title: Allen Federal 23-6-9-17 ISIP (4-19-2011)
 Device: PrTemp1000 - Temperature and Pressure Recorder
 Hardware Revision: REV2C (64K)
 Serial Number: M75866
 Device ID: PrTemp
 Data Start Date: Apr 19, 2011 04:30:13 PM MDT
 Data End Date: Apr 19, 2011 05:00:14 PM MDT
 Reading Rate: 2 Seconds
 Readings: 1 to 31 of 31
 Last Calibration Date: Apr 12, 2011
 Next Calibration Date: Apr 12, 2012

| <u>Reading</u> | <u>Date and Time (MDT)</u> | <u>Absolute Pressure</u> | <u>Annotation</u> |
|----------------|----------------------------|--------------------------|-------------------|
| 1 | Apr 19, 2011 04:30:13 PM | 1831.400 | PSIA |
| 2 | Apr 19, 2011 04:31:13 PM | 1671.400 | PSIA |
| 3 | Apr 19, 2011 04:32:13 PM | 1653.800 | PSIA |
| 4 | Apr 19, 2011 04:33:13 PM | 1644.400 | PSIA |
| 5 | Apr 19, 2011 04:34:13 PM | 1636.600 | PSIA |
| 6 | Apr 19, 2011 04:35:12 PM | 1630.000 | PSIA |
| 7 | Apr 19, 2011 04:36:13 PM | 1623.800 | PSIA |
| 8 | Apr 19, 2011 04:37:13 PM | 1618.600 | PSIA |
| 9 | Apr 19, 2011 04:38:13 PM | 1614.000 | PSIA |
| 10 | Apr 19, 2011 04:39:12 PM | 1609.400 | PSIA |
| 11 | Apr 19, 2011 04:40:13 PM | 1605.000 | PSIA |
| 12 | Apr 19, 2011 04:41:13 PM | 1600.800 | PSIA |
| 13 | Apr 19, 2011 04:42:12 PM | 1597.400 | PSIA |
| 14 | Apr 19, 2011 04:43:14 PM | 1593.600 | PSIA |
| 15 | Apr 19, 2011 04:44:13 PM | 1589.800 | PSIA |
| 16 | Apr 19, 2011 04:45:12 PM | 1586.800 | PSIA |
| 17 | Apr 19, 2011 04:46:12 PM | 1583.800 | PSIA |
| 18 | Apr 19, 2011 04:47:14 PM | 1580.400 | PSIA |
| 19 | Apr 19, 2011 04:48:13 PM | 1578.000 | PSIA |
| 20 | Apr 19, 2011 04:49:13 PM | 1575.200 | PSIA |
| 21 | Apr 19, 2011 04:50:14 PM | 1573.000 | PSIA |
| 22 | Apr 19, 2011 04:51:13 PM | 1570.600 | PSIA |
| 23 | Apr 19, 2011 04:52:15 PM | 1567.800 | PSIA |
| 24 | Apr 19, 2011 04:53:14 PM | 1565.600 | PSIA |
| 25 | Apr 19, 2011 04:54:14 PM | 1563.800 | PSIA |
| 26 | Apr 19, 2011 04:55:13 PM | 1561.400 | PSIA |
| 27 | Apr 19, 2011 04:56:14 PM | 1559.600 | PSIA |
| 28 | Apr 19, 2011 04:57:14 PM | 1557.600 | PSIA |
| 29 | Apr 19, 2011 04:58:13 PM | 1555.600 | PSIA |
| 30 | Apr 19, 2011 04:59:13 PM | 1554.200 | PSIA |
| 31 | Apr 19, 2011 05:00:14 PM | 1552.600 | PSIA |

Allen Federal 23-6-9-17 Rate Sheet (4-19-2011)

| | | | | | | | |
|-----------------|-------|--------|--------|--------|--------|--------|--------|
| <i>Step # 1</i> | Time: | 9:35 | 9:40 | 9:45 | 9:50 | 9:55 | 10:00 |
| | Rate: | 200.4 | 200.4 | 200.4 | 200.3 | 200.3 | 200.3 |
| | Time: | 10:05 | 10:10 | 10:15 | 10:20 | 10:25 | 10:30 |
| | Rate: | 200.3 | 200.3 | 200.2 | 200.2 | 200.2 | 200.2 |
| <i>Step # 2</i> | Time: | 10:35 | 10:40 | 10:45 | 10:50 | 10:55 | 11:00 |
| | Rate: | 400.6 | 400.6 | 400.4 | 400.4 | 400.4 | 400.4 |
| | Time: | 11:05 | 11:10 | 11:15 | 11:20 | 11:25 | 11:30 |
| | Rate: | 400.4 | 400.4 | 400.3 | 400.3 | 400.3 | 400.2 |
| <i>Step # 3</i> | Time: | 11:35 | 11:40 | 11:45 | 11:50 | 11:55 | 12:00 |
| | Rate: | 600.4 | 600.4 | 600.3 | 600.3 | 600.2 | 600.2 |
| | Time: | 12:05 | 12:10 | 12:15 | 12:20 | 12:25 | 12:30 |
| | Rate: | 600.2 | 600.2 | 600.2 | 600.2 | 600.1 | 600.1 |
| <i>Step # 4</i> | Time: | 12:35 | 12:40 | 12:45 | 12:50 | 12:55 | 1:00 |
| | Rate: | 800.5 | 800.5 | 800.5 | 800.4 | 800.4 | 800.4 |
| | Time: | 1:05 | 1:10 | 1:15 | 1:20 | 1:25 | 1:30 |
| | Rate: | 800.4 | 800.3 | 800.3 | 800.3 | 800.3 | 800.3 |
| <i>Step # 5</i> | Time: | 1:35 | 1:40 | 1:45 | 1:50 | 1:55 | 2:00 |
| | Rate: | 1000.7 | 1000.7 | 1000.7 | 1000.7 | 1000.6 | 1000.6 |
| | Time: | 2:05 | 2:10 | 2:15 | 2:20 | 2:25 | 2:30 |
| | Rate: | 1000.5 | 1000.5 | 1000.5 | 1000.5 | 1000.5 | 1000.4 |
| <i>Step # 6</i> | Time: | 2:35 | 2:40 | 2:45 | 2:50 | 2:55 | 3:00 |
| | Rate: | 1200.5 | 1200.5 | 1200.5 | 1200.4 | 1200.4 | 1200.3 |
| | Time: | 3:05 | 3:10 | 3:15 | 3:20 | 3:25 | 3:30 |
| | Rate: | 1200.3 | 1200.2 | 1200.2 | 1200.2 | 1200.1 | 1200.1 |
| <i>Step # 7</i> | Time: | 3:35 | 3:40 | 3:45 | 3:50 | 3:55 | 4:00 |
| | Rate: | 1400.6 | 1400.6 | 1400.5 | 1400.5 | 1400.5 | 1400.4 |
| | Time: | 4:05 | 4:10 | 4:15 | 4:20 | 4:25 | 4:30 |
| | Rate: | 1400.4 | 1400.4 | 1400.3 | 1400.3 | 1400.2 | 1400.2 |
| | Time: | | | | | | |
| | Rate: | | | | | | |
| | Time: | | | | | | |
| | Rate: | | | | | | |

| | |
|--|--|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | FORM 9 |
| SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-020252A |
| 1. TYPE OF WELL Water Injection Well | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| 2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY | 7. UNIT or CA AGREEMENT NAME: GMBU (GRRV) |
| 3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052 | 8. WELL NAME and NUMBER: ALLEN FED 23-6 |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 1989 FSL 1885 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 06 Township: 09.0S Range: 17.0E Meridian: S | 9. API NUMBER: 43013305580000 |
| 3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052 | PHONE NUMBER: 435 646-4825 Ext |
| 9. FIELD and POOL or WILDCAT: MONUMENT BUTTE | COUNTY: DUCHESNE |
| STATE: UTAH | STATE: UTAH |

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|--|--|---|---|
| <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: | <input type="checkbox"/> ACIDIZE | <input type="checkbox"/> ALTER CASING | <input type="checkbox"/> CASING REPAIR |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/12/2014 | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS | <input type="checkbox"/> CHANGE TUBING | <input type="checkbox"/> CHANGE WELL NAME |
| <input type="checkbox"/> SPUD REPORT Date of Spud: | <input type="checkbox"/> CHANGE WELL STATUS | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> CONVERT WELL TYPE |
| <input type="checkbox"/> DRILLING REPORT Report Date: | <input type="checkbox"/> DEEPEN | <input type="checkbox"/> FRACTURE TREAT | <input type="checkbox"/> NEW CONSTRUCTION |
| | <input type="checkbox"/> OPERATOR CHANGE | <input type="checkbox"/> PLUG AND ABANDON | <input type="checkbox"/> PLUG BACK |
| | <input type="checkbox"/> PRODUCTION START OR RESUME | <input type="checkbox"/> RECLAMATION OF WELL SITE | <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION |
| | <input type="checkbox"/> REPERFORATE CURRENT FORMATION | <input type="checkbox"/> SIDETRACK TO REPAIR WELL | <input type="checkbox"/> TEMPORARY ABANDON |
| | <input type="checkbox"/> TUBING REPAIR | <input type="checkbox"/> VENT OR FLARE | <input type="checkbox"/> WATER DISPOSAL |
| | <input type="checkbox"/> WATER SHUTOFF | <input type="checkbox"/> SI TA STATUS EXTENSION | <input type="checkbox"/> APD EXTENSION |
| | <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input checked="" type="checkbox"/> OTHER | OTHER: <input type="text" value="5 YR MIT"/> |

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

5 YR MIT performed on the above listed well. On 06/12/2014 the casing was pressured up to 1344 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. The tbq pressure was 1751 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-08175

**Approved by the
 Utah Division of
 Oil, Gas and Mining
 June 17, 2014**

Date: _____
 By: 

| | | |
|--|------------------------------|------------------------------------|
| NAME (PLEASE PRINT) Lucy Chavez-Naupoto | PHONE NUMBER 435 646-4874 | TITLE Water Services Technician |
| SIGNATURE N/A | DATE 6/16/2014 | |

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: _____ Date: 6/12/2014
 Test conducted by: Don Trane
 Others present: _____

| | | |
|--|---|--------------------|
| Well Name: <u>Allen Federal</u> | Type: ER SWD | Status: AC TA UC |
| Field: <u>So. Myton</u> | | |
| Location: <u>23</u> Sec: <u>6</u> T: <u>9</u> N(S) R: <u>170</u> E/W | County: <u>Duchesne</u> | State: <u>Utah</u> |
| Operator: <u>Don Trane</u> | | |
| Last MIT: <u>1</u> | Maximum Allowable Pressure: <u>1795</u> | PSIG |

Is this a regularly scheduled test? Yes [] No
 Initial test for permit? [] Yes No
 Test after well rework? [] Yes No
 Well injecting during test? Yes [] No

If Yes, rate: 4 bpd

API 43-013-30558

Pre-test casing/tubing annulus pressure: _____ psig

| MIT DATA TABLE | Test #1 | Test #2 | Test #3 |
|---|-------------------|-------------------|-------------------|
| TUBING PRESSURE | | | |
| Initial Pressure | <u>1751</u> psig | psig | psig |
| End of test pressure | <u>1751</u> psig | psig | psig |
| CASING / TUBING ANNULUS PRESSURE | | | |
| 0 minutes | <u>1338</u> psig | psig | psig |
| 5 minutes | <u>1342</u> psig | psig | psig |
| 10 minutes | <u>1343</u> psig | psig | psig |
| 15 minutes | <u>1343</u> psig | psig | psig |
| 20 minutes | <u>1343</u> psig | psig | psig |
| 25 minutes | <u>1344</u> psig | psig | psig |
| 30 minutes | <u>1344</u> psig | psig | psig |
| _____ minutes | psig | psig | psig |
| _____ minutes | psig | psig | psig |
| RESULT | [] Pass [] Fail | [] Pass [] Fail | [] Pass [] Fail |

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

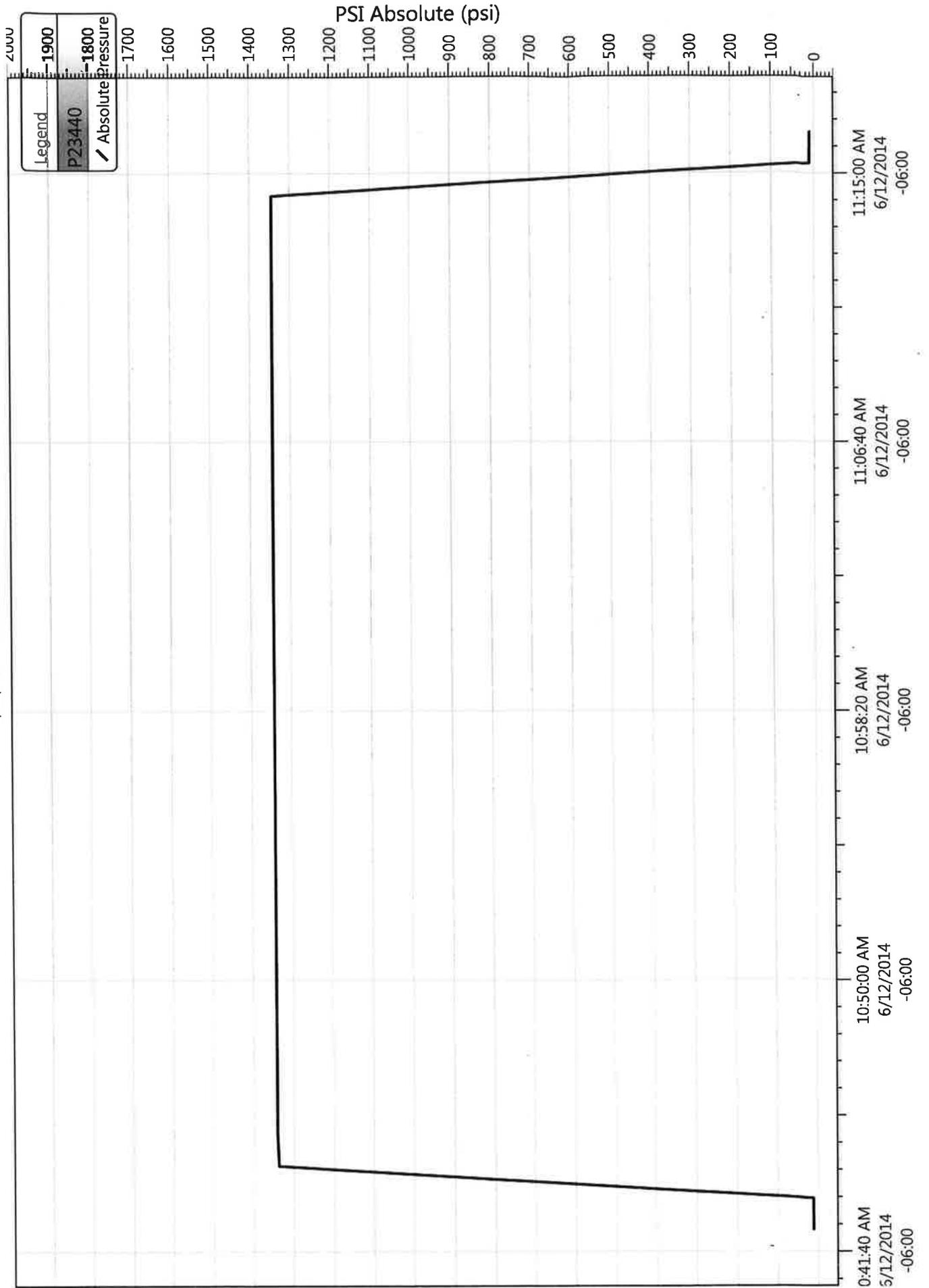
MECHANICAL INTEGRITY PRESSURE TEST

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: _____

23-6-9-17 5 year mit 6-12-2014

6/12/2014 10:41:29 AM

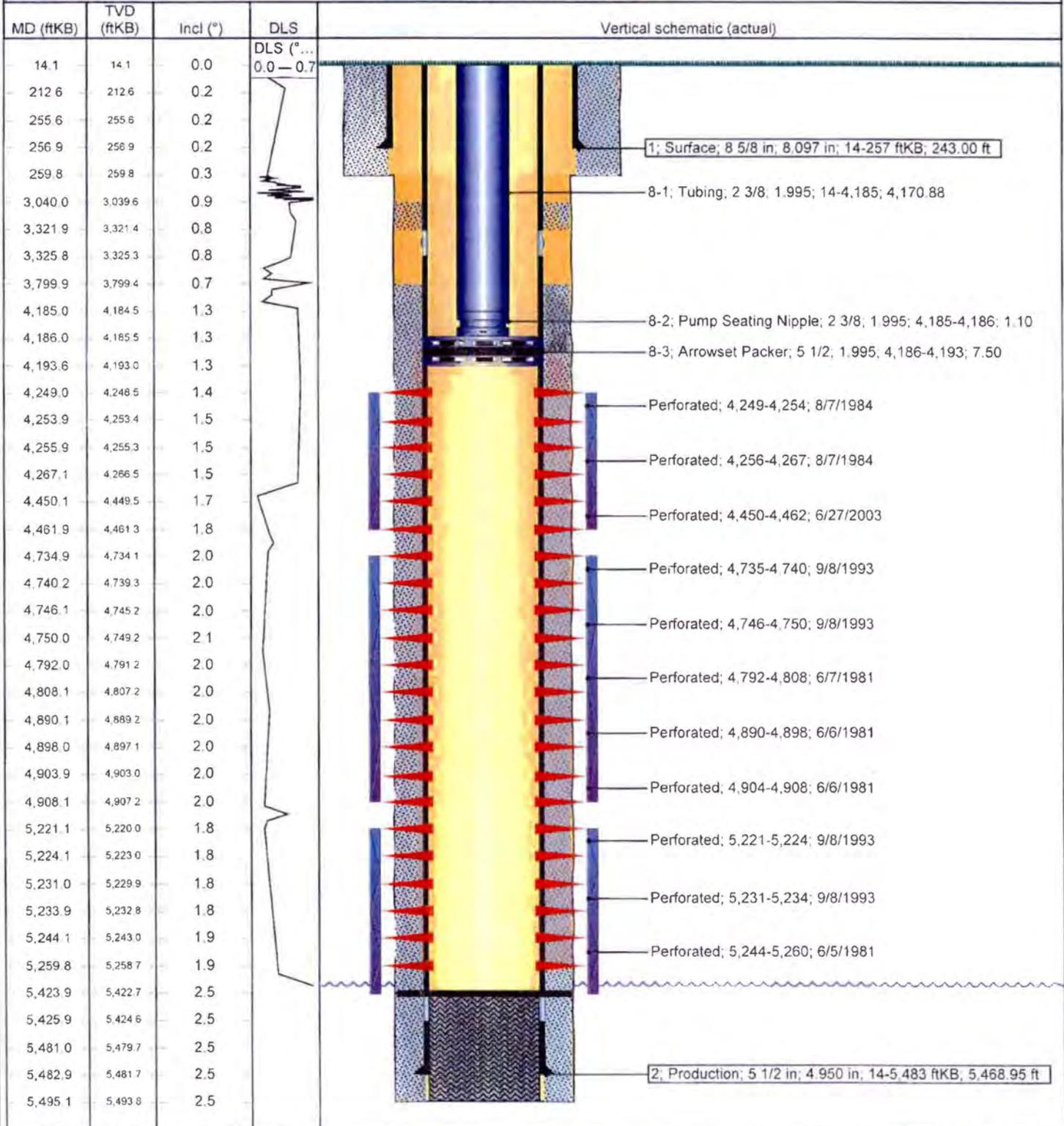


Well Name: Allen 23-6-9-17

| | | | | | | | |
|-------------------------------------|-------------------------------|---------------------------------|-------------------------------------|--------------------------------|------------------------------|--|--------------------|
| Surface Legal Location 06-9S-17E | | API/UWI 43013305580000 | Well RC 500151883 | Lease | State/Province Utah | Field Name GMBU CTB5 | County DUCHESNE |
| Spud Date 5/12/1981 | Rig Release Date 5/28/1981 | On Production Date 6/16/1981 | Original KB Elevation (ft) 5,378 | Ground Elevation (ft) 5,364 | Total Depth All (TVD) (ftKB) | PBTD (All) (ftKB) Original Hole - 5,424.0 | |

| | | | |
|-------------------------|------------------|---------------------------|-----------------------------|
| Most Recent Job | | | |
| Job Category Testing | Primary Job Type | Secondary Job Type N/A | Job Start Date 6/12/2014 |
| | | | Job End Date 6/12/2014 |

TD: 5,495.0 Vertical - Original Hole, 5/12/2015 9:58:04 AM



NEWFIELD



Newfield Wellbore Diagram Data Allen 23-6-9-17

| | | | | | |
|-------------------------------------|--|--------------------------------|--|--|--|
| Surface Legal Location 06-9S-17E | | API/UWI 43013305580000 | | Lease | |
| County DUCHESNE | | State/Province Utah | | Basin | |
| Well Start Date 5/12/1981 | | Spud Date 5/12/1981 | | Field Name GMBU CTB5 | |
| Original KB Elevation (ft) 5,378 | | Ground Elevation (ft) 5,364 | | On Production Date 6/16/1981 | |
| Total Depth (ftKB) 5,495.0 | | Total Depth All (TVD) (ftKB) | | PBTD (All) (ftKB) Original Hole - 5,424.0 | |

Casing Strings

| Csg Des | Run Date | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | Set Depth (ftKB) |
|------------|-----------|---------|---------|----------------|-------|------------------|
| Surface | 5/12/1981 | 8 5/8 | 8.097 | 24.00 | K-55 | 257 |
| Production | 5/26/1981 | 5 1/2 | 4.950 | 15.50 | K-55 | 5,483 |

Cement

String: Surface, 257ftKB 5/13/1981

| | | | | |
|------------------------------------|--------------------------|------------------------------|--------------|------------------------------|
| Cementing Company | Top Depth (ftKB) 14.0 | Bottom Depth (ftKB) 260.0 | Full Return? | Vol Cement Ret (bbl) |
| Fluid Description w/ 2% Calcium | Fluid Type Lead | Amount (sacks) 190 | Class H | Estimated Top (ftKB) 14.0 |

String: Production, 5,483ftKB 5/28/1981

| | | | | |
|---|-----------------------------|--------------------------------|--------------------|---------------------------------|
| Cementing Company | Top Depth (ftKB) 3,800.0 | Bottom Depth (ftKB) 5,495.0 | Full Return? | Vol Cement Ret (bbl) |
| Fluid Description w/ 2% gel, 10% salt, .6 Halad 24, 1/4# Flocele | Fluid Type Lead | Amount (sacks) 585 | Class 50/50 Poz | Estimated Top (ftKB) 3,800.0 |

String: Production, 5,483ftKB 5/28/1981

| | | | | |
|--|-----------------------------|--------------------------------|--------------------|---------------------------------|
| Cementing Company | Top Depth (ftKB) 3,040.0 | Bottom Depth (ftKB) 3,322.0 | Full Return? | Vol Cement Ret (bbl) |
| Fluid Description w/ 8% gel, 5# gilsonite, 10% salt, 1/4# flocele | Fluid Type Tail | Amount (sacks) 375 | Class 50/50 Poz | Estimated Top (ftKB) 3,040.0 |

Tubing Strings

| Tubing Description | | Run Date | | Set Depth (ftKB) | | | | |
|---------------------|-----|----------|---------|------------------|-------|----------|------------|------------|
| Item Des | Jts | OD (in) | ID (in) | Wt (lb/ft) | Grade | Len (ft) | Top (ftKB) | Btm (ftKB) |
| Tubing | 133 | 2 3/8 | 1.995 | 4.70 | J-55 | 4,170.88 | 14.0 | 4,184.9 |
| Pump Seating Nipple | | 2 3/8 | 1.995 | | | 1.10 | 4,184.9 | 4,186.0 |
| Arrowset Packer | | 5 1/2 | 1.995 | | | 7.50 | 4,186.0 | 4,193.5 |

Rod Strings

| Rod Description | | Run Date | | Set Depth (ftKB) | | | |
|-----------------|-----|----------|------------|------------------|----------|------------|------------|
| Item Des | Jts | OD (in) | Wt (lb/ft) | Grade | Len (ft) | Top (ftKB) | Btm (ftKB) |
| | | | | | | | |

Perforation Intervals

| Stage# | Zone | Top (ftKB) | Btm (ftKB) | Shot Dens (shots/ft) | Phasing (°) | Nom Hole Dia (in) | Date |
|--------|--------------------------|------------|------------|----------------------|-------------|-------------------|-----------|
| 4 | GB sds, Original Hole | 4,249 | 4,254 | 4 | 90 | 0.440 | 8/7/1984 |
| 4 | GB sds, Original Hole | 4,256 | 4,267 | 4 | 90 | 0.440 | 8/7/1984 |
| 7 | PB 10 sds, Original Hole | 4,450 | 4,462 | 4 | 90 | | 6/27/2003 |
| 6 | D sds, Original Hole | 4,735 | 4,740 | 4 | 90 | | 9/8/1993 |
| 6 | D sds, Original Hole | 4,746 | 4,750 | 4 | 90 | | 9/8/1993 |
| 3 | D sds, Original Hole | 4,792 | 4,808 | 2 | 180 | 0.440 | 6/7/1981 |
| 2 | C sds, Original Hole | 4,890 | 4,898 | 2 | 180 | 0.440 | 6/6/1981 |
| 2 | C sds, Original Hole | 4,904 | 4,908 | 2 | 180 | 0.440 | 6/6/1981 |
| 5 | LODC sds, Original Hole | 5,221 | 5,224 | 4 | 90 | | 9/8/1993 |
| 5 | LODC sds, Original Hole | 5,231 | 5,234 | 4 | 90 | | 9/8/1993 |
| 1 | LODC sds, Original Hole | 5,244 | 5,260 | 2 | 180 | 0.440 | 6/5/1981 |

Stimulations & Treatments

| Stage# | ISIP (psi) | Frac Gradient (psi/ft) | Max Rate (bbl/min) | Max PSI (psi) | Total Clean Vol (bbl) | Total Slurry Vol (bbl) | Vol Recov (bbl) |
|--------|------------|------------------------|--------------------|---------------|-----------------------|------------------------|-----------------|
| 1 | 1,950 | | | 2,200 | | | |
| 2 | 2,000 | | | 2,050 | | | |
| 3 | 1,800 | | | 1,875 | | | |
| 4 | 1,900 | | 28.6 | 2,950 | | | |
| 5 | 1,800 | | | 4,800 | | | |
| 6 | | | | 5,400 | | | |
| 7 | 2,210 | 0.93 | 16.0 | 3,694 | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |



Proppant

| Stage# | Total Prop Vol Pumped (lb) | Total Add Amount |
|--------|----------------------------|-------------------------------|
| 1 | | Proppant White Sand 125000 lb |
| 2 | | Proppant White Sand 125000 lb |
| 3 | | Proppant White Sand 125000 lb |
| 4 | | Proppant White Sand 65000 lb |
| 5 | | Proppant Mesh Sand 16000 lb |
| 6 | | Proppant Mesh Sand 14000 lb |
| 7 | | Proppant White Sand 38997 lb |
| 8 | | |
| 9 | | |
| 10 | | |