

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 CORPORATION

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 604' FWL 1980' FNL 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 of Myton, UT

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 604'

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.
 + 1880'

19. PROPOSED DEPTH
 5400'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5355'

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

23. 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. 5400' | 300 sacks NOT ENOUGH NEED TO PROTECT OIL SHALE AND FRESH WATERS |

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 5400' if production is found feasible set 5 1/2" production casing.

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

24. SIGNED Bill Ellist TITLE District Superintendent DATE June 22, 1981

(This space for Federal or State office use)

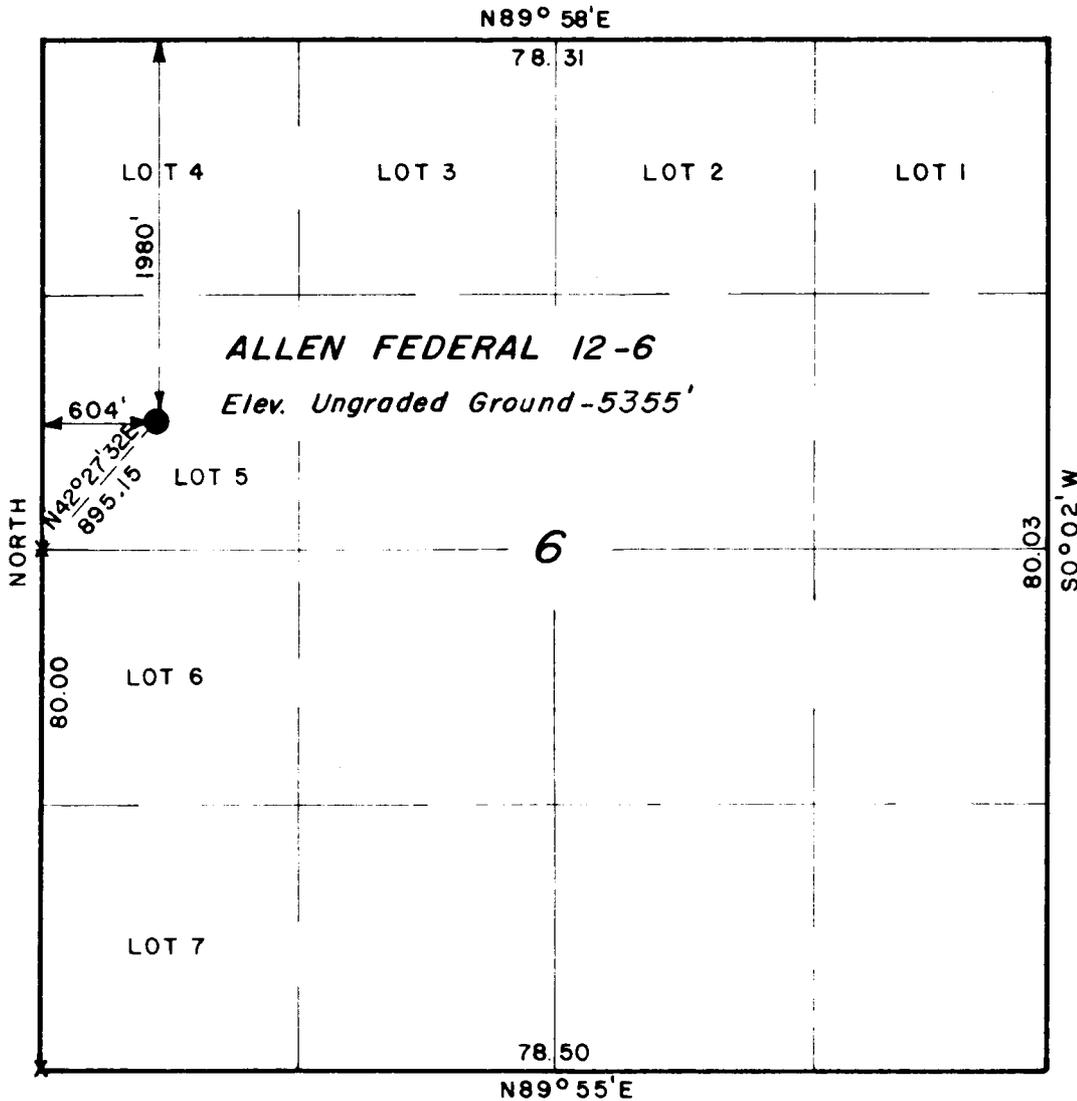
PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY [Signature] FOR E. W. GUYNN DISTRICT ENGINEER DATE JUL 31 1981
 CONDITIONS OF APPROVAL, IF ANY: _____

NOTICE OF APPROVAL CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY
 State of G.
 FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A DATED 1/1/80

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

PROJECT
DIAMOND SHAMROCK CORP.

Well location, ALLEN FEDERAL # 12-6
 located as shown in Lot # 5 Section 6,
 T9S, R17E, S.L.B. & M. Duchesne County,
 Utah.



X = Section Corners Located



CERTIFICATE

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

Allen J. ...

REGISTERED LAND SURVEYOR
 REGISTRATION NO 3154
 STATE OF UTAH

| | | | |
|--|-------------|------------|------------------|
| UTAH ENGINEERING & LAND SURVEYING P O BOX Q - 85 SOUTH - 200 EAST VERNAL, UTAH - 84078 | | | |
| SCALE | 1" = 1000' | DATE | 6/19/81 |
| PARTY | LT SH BW DM | REFERENCES | GLO Plat |
| WEATHER | Fair | FILE | DIAMOND SHAMROCK |

Allen Federal #12-6

1. GEOLOGICAL NAME OF SURFACE FORMATION

(A) Uinta Formation of Eocene Age

2. TOPS OF IMPORTANT GEOLOGICAL MARKERS

- (A) Mahogany Formation 1607' Base 3225'
- (B) Douglas Creek V 4951'
- (C) Douglas Creek IV 5109'
- (D) Douglas Creek III 5237'
- (E) Douglas Creek II 5252'
- (F) Douglas Creek I 5267'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL OR GAS

- (A) Gas anticipated at 2600' in Evacuation Creek Member
(Water or Oil no anticipated)
- (B) Oil & Gas anticipated in Basal Green River Formation (Douglas
Creek at 5400'

4. PROPOSED CASING PROGRAM

- (A) 250' of 8 5/8" surface casing 32# per foot.
5400' of 5 1/2" 15.5# per foot. (K-55)

5. SPECIFICATION FOR PRESSURE CONTROL EQUIPMENT

- (A) 12 inch 3000# Double Hydraulic B.O.P. with pipe rams and
blind rams and spherical 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

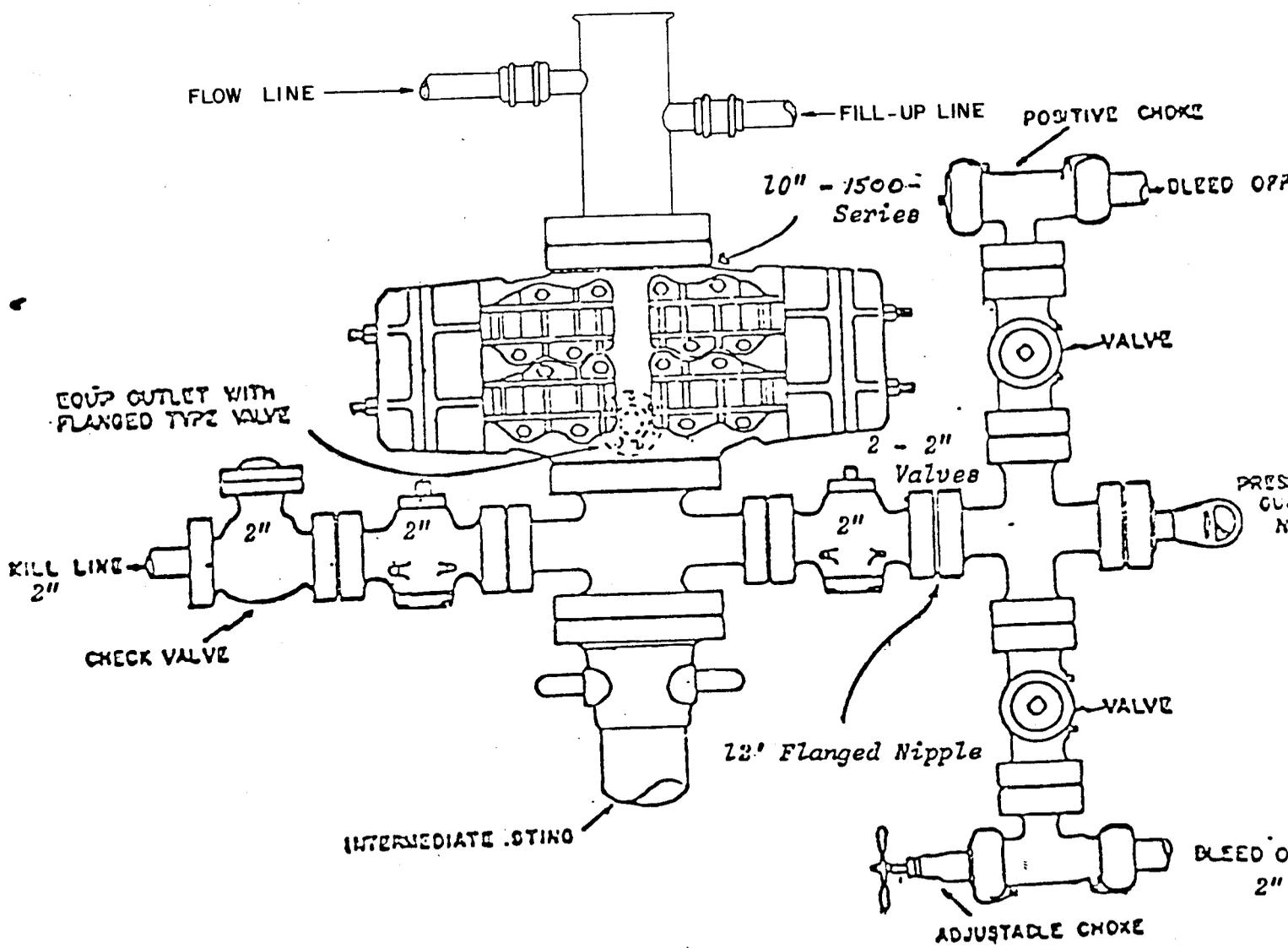
- (A) Drill stem test of Evacuation Creek and Douglas Creek
- (B) Will run dual lateral log, BHC, and CNL-FDC .

9. ANTICIPATED ABNORMAL PRESSURES, TEMPERATURES OF 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 approvals are made.
- (B) This well is anticipated to be drilled in approximately 30 days.



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

Diag. A

DIAMOND SHAMROCK CORPORATION

13 Point Surface Use Plan

Well Location

Allen Federal #12-6

Located In

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

Duchesne County, Utah

DIAMOND SHAMROCK CORPORATION
Allen Federal #12-6
Section 6, T9S, R17E, S.L.B.& M.

1. EXISTING ROADS

See attached Topographic Map "A".

To reach DIAMOND SHAMROCK CORPORATION, well location site Allen Federal #12-6, located in the SW 1/4 NW 1/4 (Lots) Section 6, T9S, R17E, S.L.B.& M., Duchesne County, Utah:

Proceed Westerly out of Vernal, Utah along U.S Highway 40 - 49.0 miles + to the junction of this Highway and Utah State Highway 53; proceed Southerly along Utah State Highway 53 - 1.6 miles to its junction with Utah State Highway 216; proceed Southerly along State Highway 216 - 9.5 miles to its junction with an existing dirt road to the Southwest proceed Southwesterly along this road 1.8 miles to its junction with the proposed location site.

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

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

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

2. PLANNED ACCESS ROAD

See Topographic Map "B".

The planned road leaves the existing road described in Item #1 in the NW 1/4 SW 1/4 Section 6, T9S, R17E, S.L.B.& M., and proceeds in a Northerly direction approximately 0.3 miles to the proposed location site.

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

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

There will be no culverts required along this road.

There will be no turnouts required along this road.

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

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

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

3. LOCATION OF EXISTING WELLS

There are no known producing wells within a one mile radius of this location site. (See Topographic Map "B")

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

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

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

5. LOCATION AND TYPE OF WATER SUPPLY

See Topographic Map "B".

At the present time, it is anticipated that the water for this well will be hauled by truck over the existing roads and the proposed access road approximately 15.2 miles from the Duchesne River at a point where it crosses under U.S. Highway 40.

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

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

6. SOURCE OF CONSTRUCTION MATERIALS

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

7. METHODS OF HANDLING WASTE DISPOSAL

See Location Layout Sheet.

A reserve pit will be constructed.

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

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

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

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

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

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

A portable toilet will be supplied for human waste.

8. ANCILLARY FACILITIES

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

9. WELL SITE LAYOUT

See attached Location Layout Sheet.

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

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

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

10. PLANS FOR RESTORATION OF SURFACE

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

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

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

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

11. OTHER INFORMATION

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

The area is a large basin formed by the Uinta Mountains to the North and the Book Cliff Mountains to the South. The Green River is located approximately 14 miles to the Southeast of the location site.

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

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

DIAMOND SHAMROCK CORPORATION
Allen Federal #12-6
Section 6, T9S, R17E, S.L.B. & M.

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

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

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

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

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

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

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

Allen Federal #12-6. is located approximately 2800' North of Castle Peak Draw a non-perennial drainage which runs to the North & East.

The terrain in the vicinity of the location slopes from the Southwest through the location site to the Southeast at approximately a 3.6% grade.

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

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

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 Elliot
DIAMOND SHAMROCK CORPORATION
85 South 200 East
Vernal, UT 84078

1-801-789-5270

DIAMOND SHAMROCK CORPORATION
Allen Federal #12-6
Section 6, T9S, R17E, S.L.B. & M.

13. CERTIFICATION

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

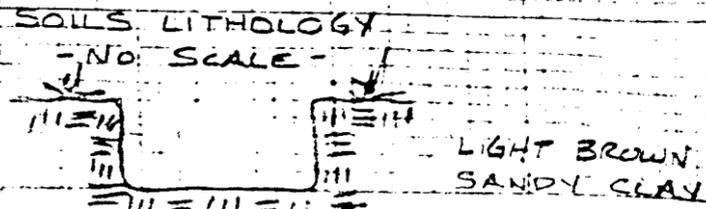
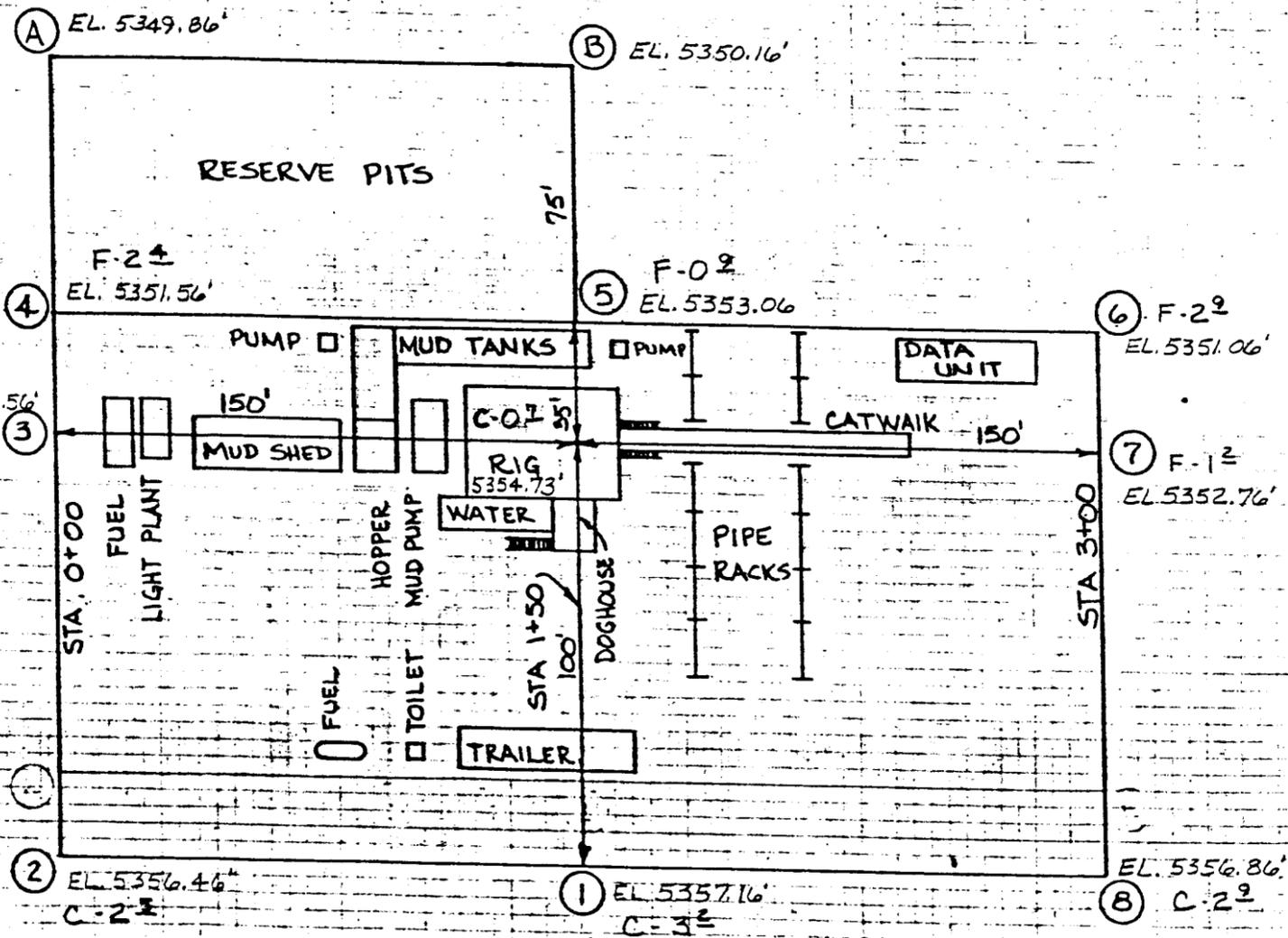
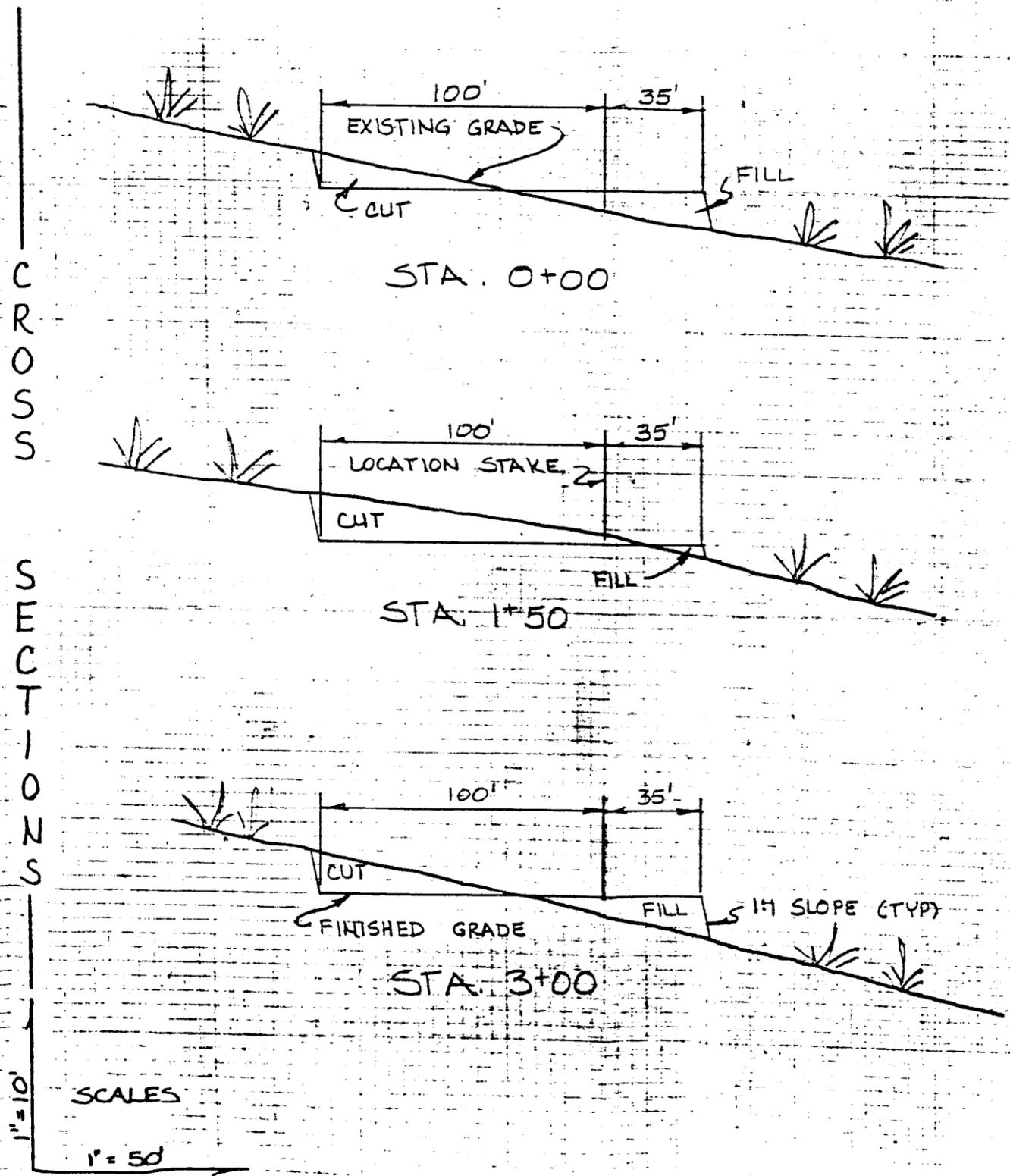
June 22, 1981
Date

Bill Elliott
Bill Elliot

DIAMOND SHAMROCK CORP.

ALLEN FEDERAL # 12-6

Scale 1" = 50'



APPROX. YARDAGE

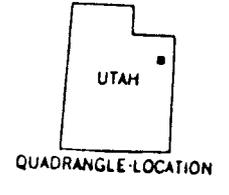
| | | |
|------|---------|-------|
| CUT | 1676.94 | CU YD |
| FILL | 586.11 | CU YD |

Diamond Shamrock Corp.
Allen Fed. # 12-6
PROPOSED LOCATION

Highway 53 - 9.5 Miles
Myton, Utah - 13.1 Miles

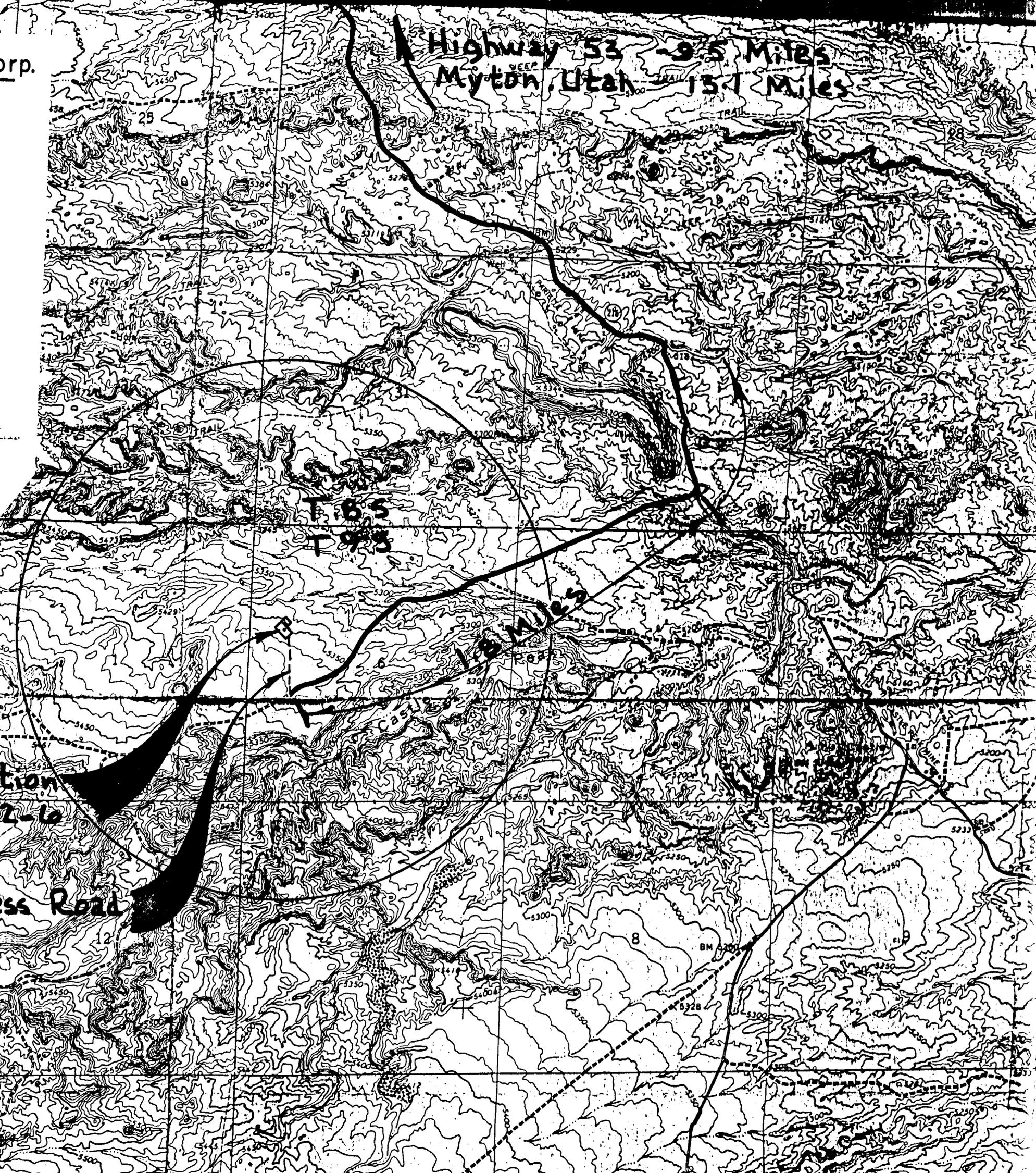
TOPO. MAP 'B'
N
SCALE - 1" = 2000'

ROAD CLASSIFICATION
Medium-duty ——— Light-duty - - - - -
Unimproved dirt - - - - -
○ State Route



Proposed Location
Allen Fed. # 12-6

Proposed Access Road
0.26 Miles



QUADRANGLE-LOCATION

Proposed Location
Allen Fed. # 12-16

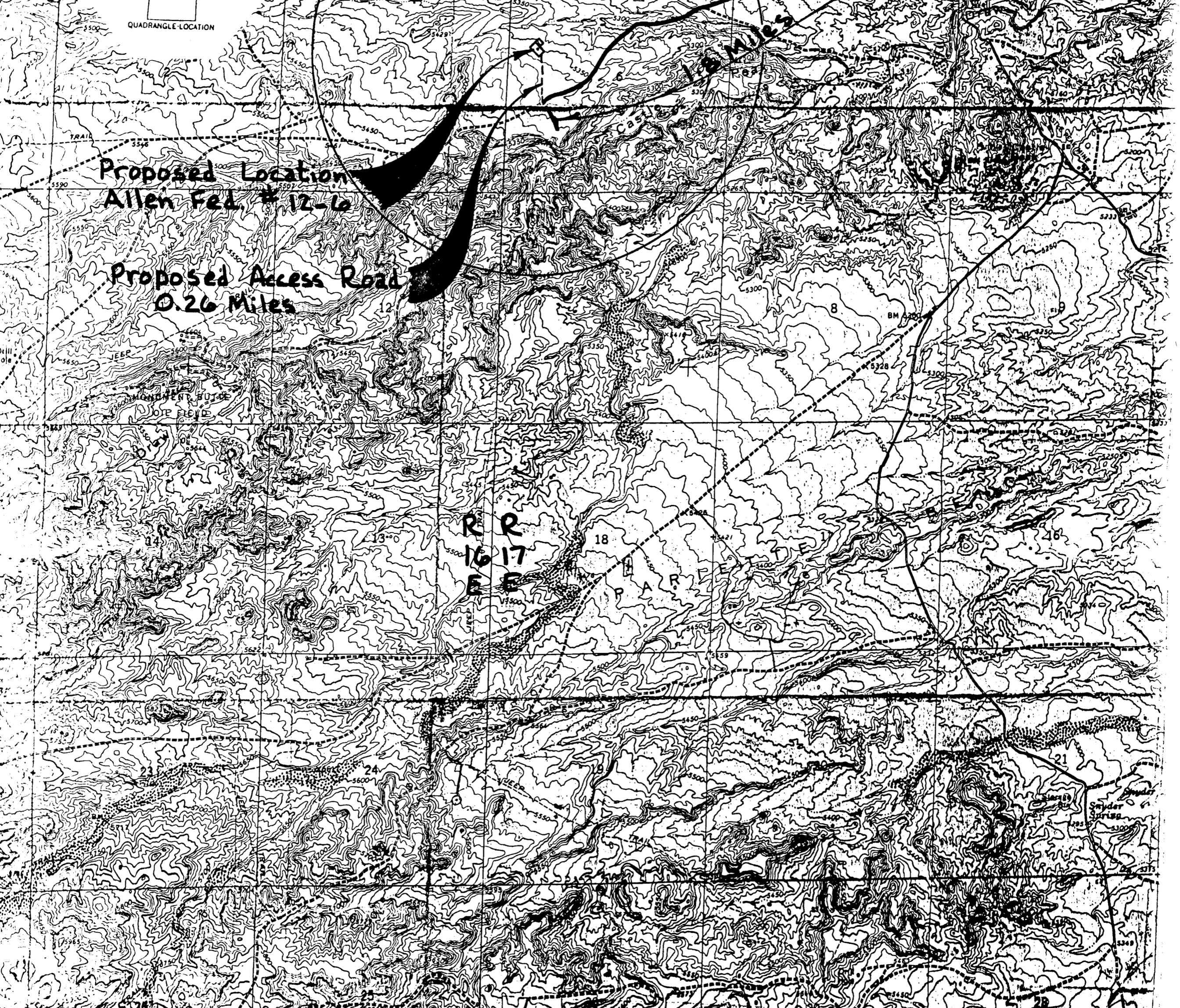
Proposed Access Road
0.26 Miles

R R
16 17
E E

18

16

Snyder
Spring



Identification CER/EA No. 521-81

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 Corporation
Project Type Oil and Gas Well - Development
Project Location 604' FWL 1980' FNL Section 6, T. 9S, R. 17E
Well No. 12-6 Lease No. U-020252-A
Date Project Submitted June 23, 1981

FIELD INSPECTION

Date July 22, 1981

Field Inspection
Participants

Craig Hansen USGS, Vernal

Gary Slagel BLM, Vernal

Bill Elliot Diamond Shamrock

Related Environmental Documents: _____

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.

7-28-81

Date Prepared

Craig M. Hansen
Environmental Scientist

I concur

JUL 29 1981

Date

W.P. Martine

District Supervisor

FOR E. W. GUYNN
DISTRICT ENGINEER

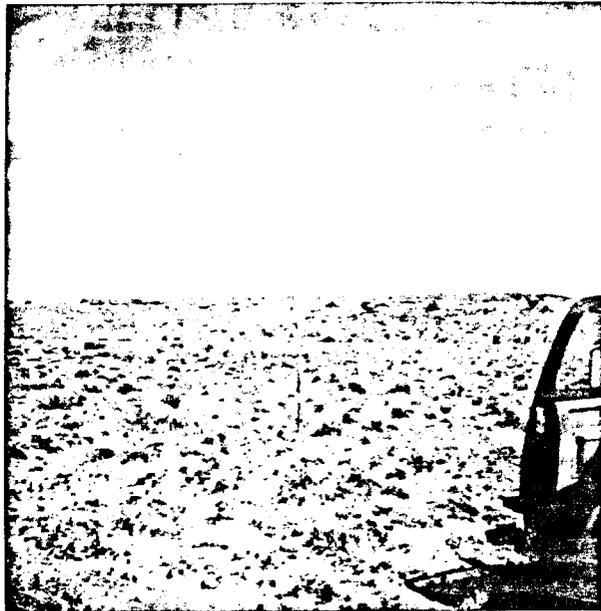
Typing In 7-27-81 Typing Out 7-28-81

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

RECOMMENDED STIPULATIONS FOR DIAMOND SHAMROCK #12-6

1. Paint production facilities a tan color to blend in with the natural surroundings.
2. Access road will enter from #8 corner of location and enter from #23-6 intersection.



*Diamond Shamrock
#12-6
north*



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

July 23, 1981

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

Re: Diamond Shamrock Corporation
Joint Onsite Inspection
T9S, R17E, Section 5
Wells 13-5, 22-5
T9S, R17E, Section 6
Wells 12-6, 21-6, 43-6

Dear Mr. Guynn:

On July 22, 1981, a joint onsite inspection was made of the above referenced well site locations and proposed access roads by people representing Diamond Shamrock, Casada Construction, 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.

Continued



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 Tnemec 23-08351 Mesa Brown Enduratone, or an approved equal. Facilities that are required to comply with O.S.H.A. (Occupational Safety and Health Act) standards are excluded.
8. Well #12-6, the access road will begin at the junction of the Diamond Shanrock location #23-6.
9. For well #34-6, the location will be moved 50' to the west to stay out of the drainage on the east side of the location.
10. The access road for well #43-6 will be changed as discussed at the joint onsite.

An archaeological clearance has been conducted by Archaeological - Environmental Research Corporation of the proposed drill site and access road. 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,

Timothy P. O'Brien
Acting Area Manager
Ralph J. Heft
Diamond Mountain Resource Area

cc: USGS, Vernal
Salt Lake

FROM : DISTRICT GEOLOGIST, SALT LAKE CITY, UTAH
TO : DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH
SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-020252-A

OPERATOR: Diamond Shamrock Corp. WELL NO. 12-6

LOCATION: 1/4 SW 1/4 NW 1/4 sec. 6, T. 9S., R. 17E., SLB#M
Duchesne County, Utah

1. Stratigraphy:

Uintah - surface
Green River ~ 1130'
Douglas Creek - 4700'
TD 5400'

2. Fresh Water:

Fresh to usable H₂O possible in Uintah at Green River sandstones.

3. Leasable Minerals:

Oil shale in Green River, mehogony bed at approx. 2800'
operator expects gas @ 2600'; oil & gas @ ~5400'

4. Additional Logs Needed: Adaguet - log to top of Green River for oil shale.

5. Potential Geologic Hazards: None expected

6. References and Remarks:

USGS files
" maps OM-171, MF-797

Signature: James G. Farrant Date: 7-17-81

** FILE NOTATIONS **

DATE: July 8, 1981

OPERATOR: Diamond Shamrock Corp

WELL NO: Allen Federal #12-U

Location: Sec. 6 T. 9S R. 17E County: Duchesne

File Prepared:

Entered on N.I.D:

Card Indexed:

Completion Sheet:

API Number 43 013 30 582

CHECKED BY:

Petroleum Engineer: _____

Director: OK see status 13.5 well

Administrative Aide: as per Rule C-3, ok on boundaries,

can be approved as an oil well only.

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 Fed

Plotted on Map

Approval Letter Written

Hot Line

P.I.

July 17, 1981

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

RE: Well No. Allen Federal # 12-6,
Sec. 6, T. 9S, R. 17E
Duchesne County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure. However, this may be completed as an oil well only.

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 43-013-30582.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

Cleon B. Feight
Director

CBF/db
CC: USGS

**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 SHAMROCK CORPORATION

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: **604' FWL & 1980' FNL SW/NW**
AT TOP PROD. INTERVAL: **N/A**
AT TOTAL DEPTH: **N/A**

5. LEASE
U-020252-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
ALLEN FEDERAL

8. FARM OR LEASE NAME

9. WELL NO.
#12-6

10. FIELD OR WILDCAT NAME

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.
43-013-30582

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5355' NATURAL G.L.

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) CHANGE FROM APPROVED TOTAL DEPTH | | |

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

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

DIAMOND SHAMROCK CORPORATION REQUESTS PERMISSION TO CHANGE THE APPROVED TOTAL DEPTH ON THIS WELL FROM 5400' TO 6300'. THE GEOLOGICAL DEPARTMENT HAS DETERMINED THAT THE EXTRA DEPTH IS NECESSARY TO REACH THE ANTICIPATED PRODUCING ZONES. THE EXTRA DEPTH WILL BE A CONTINUATION OF THE 7 7/8" HOLE USING 5 1/2", 15.5#, K-55 CASING, CEMENTING PROGRAM WILL USE SUFFICIENT CEMENT TO PROTECT THE FRESH WATER, OIL SHALE AND UPPERMOST HYDROCARBON ZONES.

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

DATE: 12/29/81

Subsurface Safety Valve: Manu. and Type _____ BY: [Signature] Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct.
SIGNED [Signature] DISTRICT SUPERINTENDENT DATE 12-21-81
BILL ELLIOTT

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:



Diamond Shamrock

ROUTING SLIP

FORM 568-R

Please initial and date in the appropriate columns after your name and send to the individual whose name appears below yours or, if your name is last, return to:

| To | Dept. | Initials | Date Sent |
|--------------------|----------------------|----------|-----------|
| <i>Wade Sinder</i> | <i>State of Utah</i> | | |
| | | | |
| | | | |
| | | | |
| | | | |

| | |
|------------------------|--|
| PER YOUR REQUEST | |
| PLEASE HANDLE | |
| PLEASE APPROVE | |
| PLEASE NOTE AND RETURN | |
| FOR YOUR INFORMATION | |
| PLEASE SEE ME | |
| PLEASE ADVISE | |
| YOUR FILE | |
| | |

REMARKS

RECEIVED

DEC 23 1981

DIVISION OF OIL, GAS & MINING

Originated by *[Signature]* Date *12/21/81*

NOTICE OF SPUD

Company: Diamond Shamrock

Caller: Jim Pachulski

Phone: _____

Well Number: 12-6

Location: SWNW Sec. 6-9S-17E

County: Richesne State: Utah

Lease Number: U-020252-A

Lease Expiration Date: _____

Unit Name (If Applicable): _____

Date & Time Spudded: 12-29-81 4:00 P.M.

Dry Hole Spudder Rotary: _____

Details of Spud (Hole, Casing, Cement, etc.) _____

Rotary Rig Name & Number: _____

Approximate Date Rotary Moves In: Within 1 week

FOLLOW WITH SUNDRY NOTICE

Call Received By: Deane

Date: 12-31-81

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 Shamrock Corporation

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1,980' FNL, 604' FWL SW/NW
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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

REQUEST FOR APPROVAL TO:

- TEST WATER SHUT-OFF
- FRACTURE TREAT
- SHOOT OR ACIDIZE
- REPAIR WELL
- PULL OR ALTER CASING
- MULTIPLE COMPLETE
- CHANGE ZONES
- ABANDON*
- (other) Spud

SUBSEQUENT REPORT OF:

-
-
-
-
-
-
-
-
-

RECEIVED
JAN 07 1982

DIVISION OF
OIL, GAS & MINING

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

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

Spud 4:00 P.M., 12-29-81, with Ram Drilling #1. Drilled 12 1/2" hole to 258' and set 261' of 8 5/8", 24#, K-55 casing, cement to surface with 300 sxs. Rotary rig will be moved on at a later date.

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

18. I hereby certify that the foregoing is true and correct
Environment &
SIGNED James M. Puchulak TITLE Regulation Eng. DATE 12-31-81

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

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

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.

12-6

10. FIELD AND POOL, OR WILDCAT

Monument Butte

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

Sec. 6, T9S, R17E S.L.B.&

12. COUNTY OR PARISH

Duchesne

13. STATE

Utah

15. DATE SPUDDED

12-31-81

16. DATE T.D. REACHED

1-16-82

17. DATE COMPL. (Ready to prod.)

2-20-82

18. ELEVATION (SP., SURF., RT, GR, ETC.)*

5855' GR

19. ELEV. CASINGHEAD

5355' GR

20. TOTAL DEPTH, MD & TVD

6300'

21. PLUG, BACK T.D., MD & TVD

6203'

22. IF MULTIPLE COMPL., HOW MANY*

N/A

23. INTERVALS DRILLED BY

ROTARY TOOLS

0' - 6300'

CABLE TOOLS

N/A

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

4302' - 5657' Greenriver

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

DIL, GR, GND, CDL, CBL-VDL

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# | 274' | 12 1/4" | 210 SXS. | -0- |
| 5 1/2" | 15.5# | 6290' | 7 7/8" | 1075 SXS. | -0- |

29. LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) |
|-------|----------|-------------|---------------|-------------|
| - - - | - - - | - - - | - - - | - - - |

30. TUBING RECORD

| SIZE | DEPTH SET (MD) | PACKER SET (MD) |
|--------|----------------|-----------------|
| 2 3/8" | 4285' | - - - |

31. PERFORATION RECORD (Interval, size and number)

| | | |
|---------------|-----|----------|
| 4302' - 4326' | .48 | 49 shots |
| 4832' - 4851' | .48 | 39 shots |
| 5280' - 5301' | .48 | 43 shots |
| 5665' - 5676' | .48 | 23 shots |

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

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED |
|---------------------|----------------------------------|
| 4302' - 4326' | 1025 bbl. 15% acid gel |
| 4832' - 4851' | 1047 bbl. 15% acid gel |
| 5280' - 5301' | 1036 bbl. 15% acid gel |
| 5665' - 5676' | 843 bbl. 15% acid gel |

33. PRODUCTION

| DATE FIRST PRODUCTION | | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) | | | | WELL STATUS (Producing or shut-in) | |
|-----------------------|-----------------|--|-------------------------|----------|------------|------------------------------------|---------------|
| 3-4-82 | | Pumping | | | | Producing | |
| DATE OF TEST | HOURS TESTED | CHOKE SIZE | PROD'N. FOR TEST PERIOD | OIL—BBL. | GAS—MCF. | WATER—BBL. | GAS-OIL RATIO |
| 3-4-82 | 24 | - - - | → | 190 | 75 | 39 | 400:1 |
| FLOW. TUBING PRESS. | CASING PRESSURE | CALCULATED 24-HOUR RATE | OIL—BBL. | GAS—MCF. | WATER—BBL. | OIL GRAVITY-API (CORR.) | |
| - - - | - - - | → | - - - | - - - | - - - | 33.6 @ 60° | |

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

Used for fuel

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

Wes Childers

TITLE Dist. Drlg. Supt.

DATE 3-9-82

RECEIVED
MAR 11 1982
DIVISION OF OIL, GAS & MINING

INSTRUCTIONS

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.

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. | GEOLOGIC MARKERS | | |
|-----------|-----|--------|-----------------------------|------------------|------------------|--|
| | | | | NAME | MEAS. DEPTH | |
| | | | | | TRUE VERT. DEPTH | |
| | | | | Top oil shale | 1584' | |
| | | | | Horsebench Sand | 2263' | |
| | | | | Base oil shale | 3182' | |
| | | | | Garden Gulch | 3745' | |
| | | | | Douglas Creek | 4746' | |
| | | | | Wasatch Tongue | 5424' | |
| | | | | T.D. | 6300' | |

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

(FORM 9-329)

(2/76)

OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. U-020252
Communitization Agreement No. N/A
Field Name Monument Butte
Unit Name N/A
Participating Area N/A
County Duchesne State Utah
Operator Diamond Shamrock Corporation

Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of February, 19 82

(See Reverse of Form for Instructions)

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

| Well No. | Sec. & 1/4 of 1/4 | TWP | RNG | Well Status | Days Prod. | *Barrels of Oil | *MCF of Gas | *Barrels of Water | Remarks |
|----------|-------------------|-----|-----|-------------|------------|-----------------|--|-------------------|------------|
| 12-6 | 6 SW/NW | 9S | 17E | DRG. | | | | | Allen 12-6 |
| | | | | | 1-25-82 | thru 2-3-82 | - WOCT | | |
| | | | | | 2-4-82 | | - RUCT | | |
| | | | | | 2-5-82 | | - P.U. tubing. Displace with 2% KCL. | | |
| | | | | | 2-6-82 | | - POOH. Run CBL-VDL and perforate | | |
| | | | | | 2-7-82 | | - Frac with 843 BBL. Acid Gel 15% | | |
| | | | | | 2-8-82 | | - RIH and set Bridge Plug. POOH. Perforate. Frac. with 1,036 BBL. Acid Gel 15% | | |
| | | | | | 2-9-82 | | - RIH and set Bridge Plug POOH. Perforate. Frac with 1,047 BBL. 15% Acid. | | |
| | | | | | 2-10-82 | | - RIH and set Bridge Plug POOH. Perforate. Frac with 1,025 BBL. 15% Acid. | | |
| | | | | | 2-11-82 | | - Trip and circ. for Bridge Plugs | | |
| | | | | | 2-12-82 | thru 2-17-82 | - Flow Test | | |
| | | | | | 2-18-82 | | - POOH. RIH and retrieve Bridge Plug. POOH. | | |
| | | | | | 2-19-82 | | - RIH. Clean hole. Nipple up tree | | |
| | | | | | 2-20-82 | | - Run rods and turned to production | | |

*If none, so state.

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

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

Authorized Signature:  Address: 5730 W. Yellowstone Casper, Wy.

Title: Asst. Dist. Drlg. Supt.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329)
(2/76)
OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. U-02025
Communitization Agreement No. N/A
Field Name Monument Butte
Unit Name N/A
Participating Area N/A
County Duchesne State Utah
Operator Diamond Shamrock Corporation

Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of January, 19 82

(See Reverse of Form for Instructions)

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

| Well No. | Sec. & 1/4 of 1/4 | TWP | RNG | Well Status | Days Prod. | *Barrels of Oil | *MCF of Gas | *Barrels of Water | Remarks |
|----------|-------------------|-----|-----|-------------|------------------|--|-------------|-------------------|--------------------|
| 12-6 | 6 SW/NW | 9S | 17E | DRG. | | | | | Allen Fed. 12-6 |
| | | | | | 12-29 thru 12-31 | Spud and drill to 258' and set 8 5/8" casing @ 261' KB. | | | Cement w/ 300 sxs. |
| | | | | | 1-1 | WORT | | | |
| | | | | | 1-2 | MIRT and RURT | | | |
| | | | | | 1-3 thru 1-15 | Drill from 258' to 6300' and log | | | |
| | | | | | 1-16 | Log. WO/O. Lay down drill pipe | | | |
| | | | | | 1-17 | Run 5 1/2" casing set @ 6290' and cement w/ 1075 sxs. Release rig. | | | |
| | | | | | 1-18 thru 1-25 | WOCT. | | | |

*If none, so state.

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

| | Oil & Condensate (BBLS) | Gas (MCF) | Water (BBLS) |
|---|--|----------------------|----------------------|
| *On hand, Start of Month | _____ | XXXXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXXXX |
| *Produced | _____ | _____ | _____ |
| *Sold | _____ | _____ | XXXXXXXXXXXXXXXXXXXX |
| *Spilled or Lost | _____ | XXXXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXXXX |
| *Flared or Vented | XXXXXXXXXXXXXXXXXXXX | _____ | XXXXXXXXXXXXXXXXXXXX |
| *Used on Lease | _____ | _____ | XXXXXXXXXXXXXXXXXXXX |
| *Injected | _____ | _____ | _____ |
| *Surface Pits | XXXXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXXXX | _____ |
| *Other (Identify) | _____ | _____ | _____ |
| *On hand, End of Month | _____ | XXXXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXXXX |
| *API Gravity/BTU Content | _____ | _____ | XXXXXXXXXXXXXXXXXXXX |
| Authorized Signature:  | Address: 5730 W. Yellowstone Casper, Wy. | | |
| Title: <u>Asst. Dist. Drlg. Supt.</u> | Page _____ of _____ | | |



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

March 16, 1982

Diamond Shamrock Corporation
85 South 200 East
Vernal, Utah 84078

Re: See attached

Gentlemen:

Our records indicate that you have not filed the monthly drilling reports for the months indicated above on the subject wells.

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1B, (U. S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for your convenience.

Your prompt attention to the above will be greatly appreciated.

Very truly yours.

DIVISION OF OIL, GAS AND MINING

Cari Furse
Clerk Typist

Well No. Castle Peak #31-15
Sec. 15, T. 9S, R. 16E.
Duchesne County, Utah
(December 1981- February 1982)

Well No. Allen Federal 21-5
Sec. 5, T. 9S, R. 17E.
Duchesne County, Utah
(January 1981- February 1981)

Well No. Allen Federal #12-6
Sec. 6, T. 9S, R. 17E.
Duchesne County, Utah
(January- February 1982)

**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 SHAMROCK CORPORATION

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1980' FNL & 604' FWL SW/NW
AT TOP PROD. INTERVAL: SAME
AT TOTAL DEPTH: SAME

5. LEASE
U-020252-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
ALLEN FEDERAL

9. WELL NO.
12-6

10. FIELD OR WILDCAT NAME
MONUMENT BUTTE

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

12. COUNTY OR PARISH
DUCHESNE

13. STATE
UTAH

14. API NO.
43-013-30582

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5355 GR

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

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

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

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

DIAMOND SHAMROCK CORPORATION requests permission to lay surface lines from the Allen Federal #12-6 well to the following wells:
 Allen Federal #21-6 NE/NW Sec. 6, T9S, R17E
 Allen Federal #23-6 NE/SW Sec. 6, T9S, R17E
 Allen Federal #32-6 SW/NE Sec. 6, T9S, R17E
 Allen Federal #41-6 NE/NE Sec. 6, T9S, R17E

All lines would be laid along existing lease roads. Gas from the lines would be used to fuel prime movers and stock tank heaters. Laying of these lines would allow DIAMOND SHAMROCK to conserve approximately 20 MCF/Day.

The lines laid will be 2 1/16" in size. Lines will be buried under roadways. There will be no surface disturbance.

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

DATE: 9-1-82
BY: [Signature]

Subsurface Safety Valve: Manu. and Type _____

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

SIGNED Bill Elliott TITLE Superintendent DATE 9-1-82

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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:

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)

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> ✓ | | |

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

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

DIAMOND 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

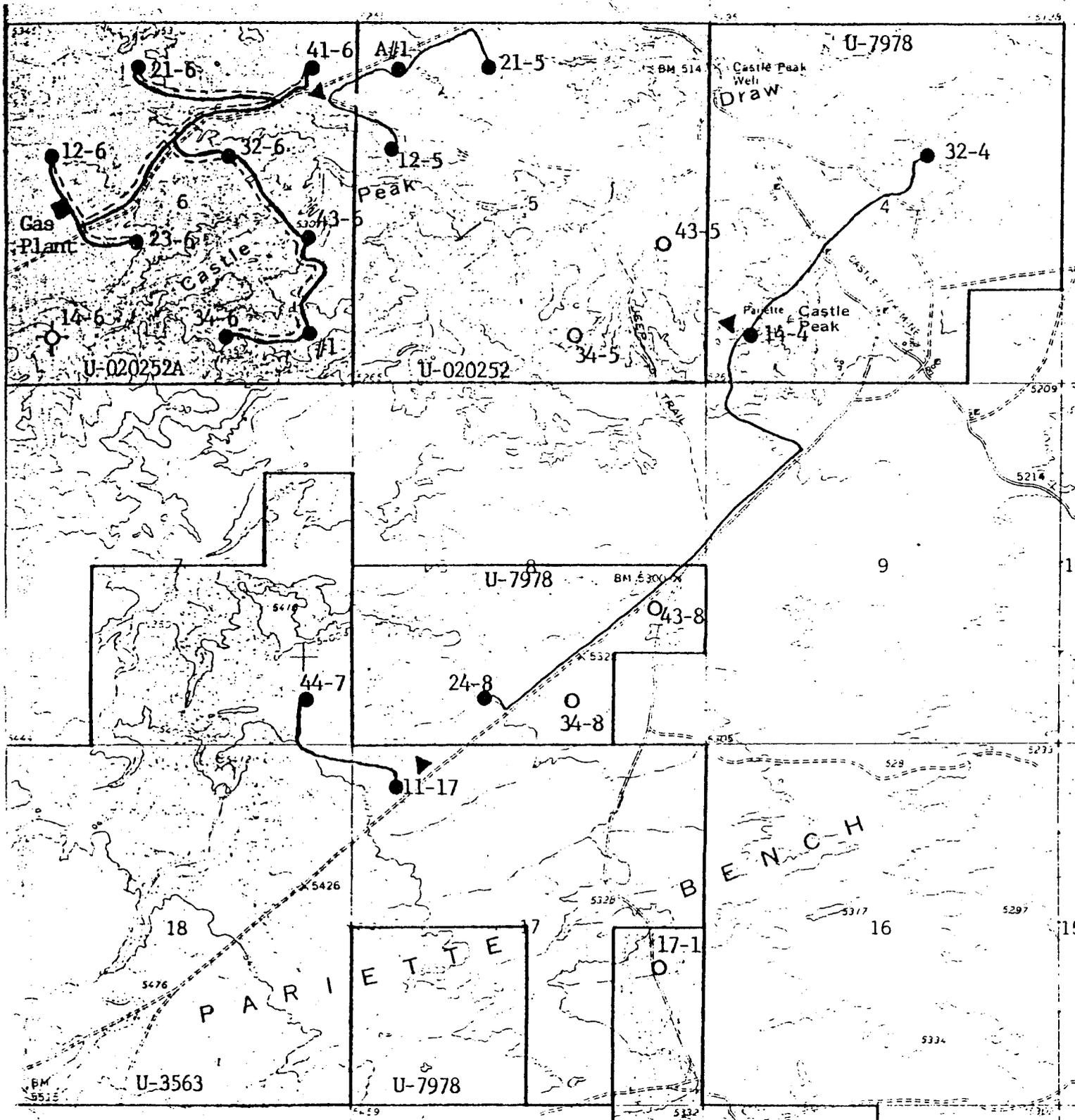
SIGNED [Signature] TITLE Production Engineer DATE 9-12-83

(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]



1 8.5
1 9.5
3
10
2'30"
4'33
4'32
4'31

**MONUMENT BUTTE FIELD
GAS GATHERING SYSTEM**

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

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 Gas Plant

2. NAME OF OPERATOR

DIAMOND CHEMICAL CO. (formerly DIAMOND SHA-ROCK)

3. ADDRESS OF OPERATOR

P.O. Drawer "E", Vernal, Utah 84073

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

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

PULL OR ALTER CASING

MULTIPLE COMPLETE

CHANGE ZONES

ABANDON*

(other) set a natural gas processing plant

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)

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

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

DIAMOND CHEMICAL COMPANY requests permission to clear a 200' X 200' square site and construct a natural gas processing plant on federal lease U-020252A. The site will be located in the SW/NW and NW/SW of Section 6, T9S, R17E as shown on the attached surveyor's plat.

The construction of this plant will allow DIAMOND CHEMICAL to gather the low-pressure casinghead gas from oil wells in the Monument Butte Field, extract & sell natural gas liquids, return dry fuel gas to individual wells, and sell excess residue gas to Mountain Fuel Supply Company. The wells on the following leases will be connected to the inlet of this proposed plant: U-020252, U-020252A, U-7978, U-3563A, U-017985, U-096550, and ML-16532.

Permission to lay a wet gas gathering system and a fuel gas distribution system on these individual leases will be requested on separate Sundry Notices to follow. It is our estimate that 1.0+ MMCF/day can be conserved by this installation. Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED

Jeff H. Ronk
Jeff H. Ronk

TITLE Production Engineer

DATE 9-12-83

(This space for Federal or State office use)

APPROVED BY _____

CONDITIONS OF APPROVAL, IF ANY: ACCEPTED

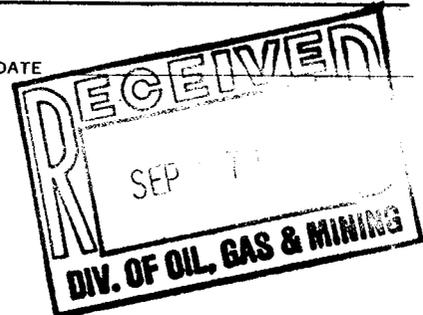
BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 9/14/83

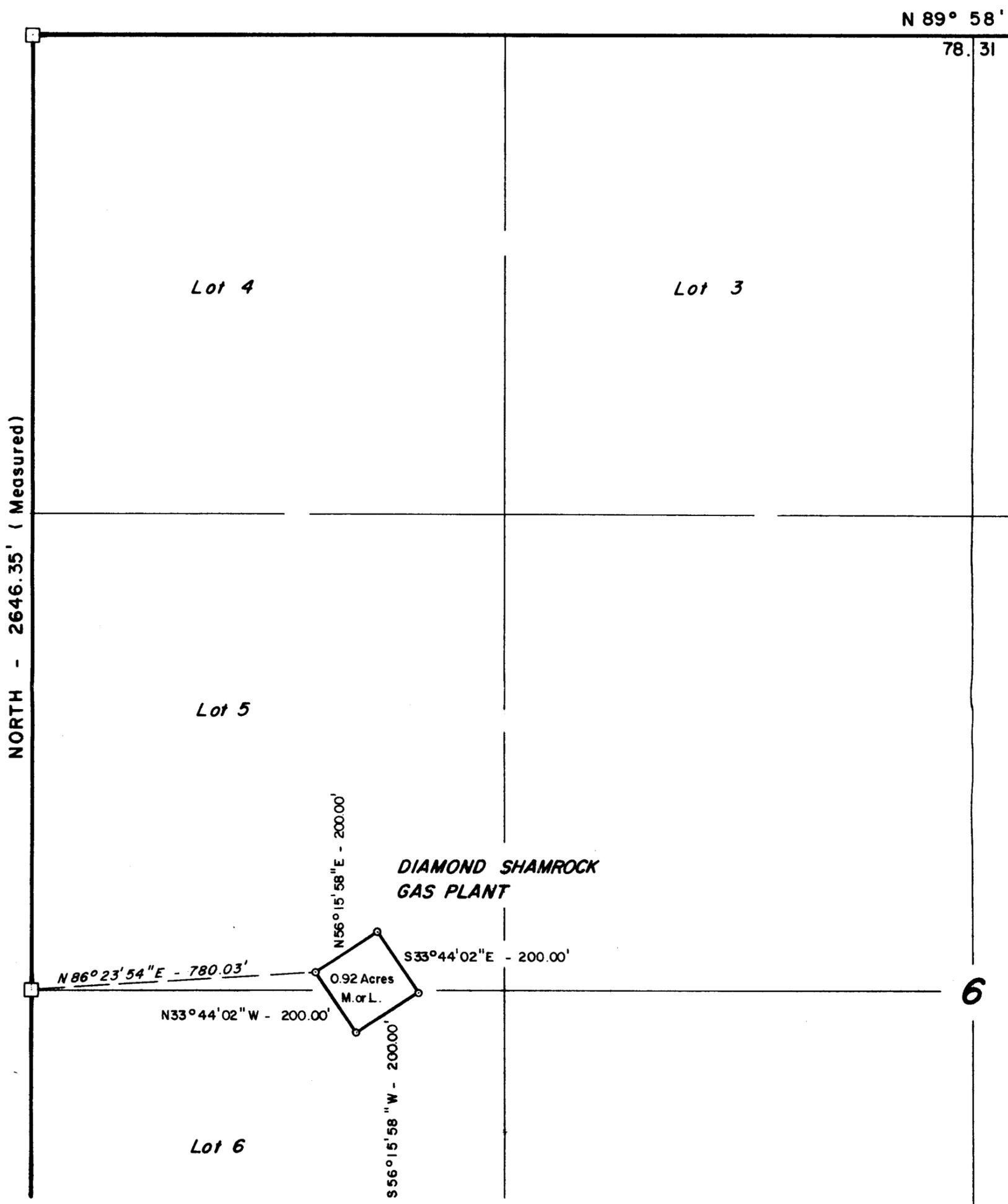
BY: *[Signature]*

*See instructions on Reverse Side

DATE



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



N 89° 58' E

78.31

Lot 4

Lot 3

Lot 5

DIAMOND SHAMROCK
GAS PLANT

0.92 Acres
M.O.L.

Lot 6

6

| REVISIONS |
|-----------|
| |
| |
| |
| |

DIAMOND SHAMROCK CORP.
PROPOSED GAS PLANT

LOCATED IN
SECTION 6, T9S, R17E, S.L.B. & M.
DUCHESNE COUNTY, UTAH



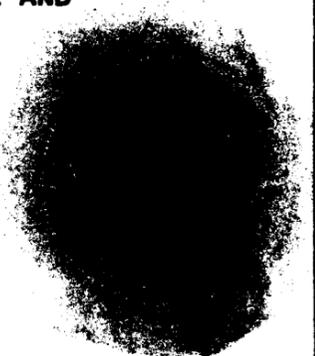
DESCRIPTION

BEGINNING AT A POINT IN THE SW1/4 NW1/4 SECTION 6, T9S, R17E, S.L.B. & M. N86°23'54"E - 780.03' FROM THE W1/4 CORNER SAID SECTION; THENCE N56°15'58"E - 200.00'; THENCE S33°44'02"E - 200.00'; THENCE S56°15'58"W - 200.00'; THENCE N33°44'02"W - 200.00' TO THE POINT OF BEGINNING. CONTAINS 0.92 ACRES MORE OR LESS.

SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THIS 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.

Jane Stewart
REGISTERED LAND SURVEYOR
REGISTRATION NO. 3154
STATE OF UTAH



Uintah Engineering & Land Surveying

DRAWER Q PHONE 789-1017
85 SOUTH 200 EAST VERNAL, UTAH 84078



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

| | | |
|---|--|---|
| 1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> GAS PLANT | | 5. LEASE DESIGNATION AND SERIAL NO. |
| 2. NAME OF OPERATOR DIAMOND SHAMROCK EXPLORATION CO. | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME |
| 3. ADDRESS OF OPERATOR P. O. DRAWER "E", VERNAL, UTAH 84078 | | 7. UNIT AGREEMENT NAME |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface | | 8. FARM OR LEASE NAME |
| 14. PERMIT NO. | | 9. WELL NO. |
| 15. ELEVATIONS (Show whether DF, RT, GR, etc.) | | 10. FIELD AND POOL, OR WILDCAT MONUMENT BUTTE FIELD |
| | | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SECTION 6, T9S, R17E |
| | | 12. COUNTY OR PARISH 13. STATE DUCHESNE UTAH |

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

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

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

DIAMOND SHAMROCK EXPLORATION wishes to report that the 3rd monthly calibration of the royalty meter at the Monument Butte Gas Plant was performed on January 27, 1984. A copy of the calibration report is attached for your reference.

This meter will be calibrated quarterly from now on with the Vernal BLM office being notified in advance to witness the calibration.

RECEIVED
JAN 31 1984

DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct
SIGNED Jeff H. Ronk TITLE PRODUCTION ENGINEER DATE 1-31-84
JEFF H. RONK
(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



SOUTHERN FLOW COMPANIES

FIELD INSPECTION REPORT

SOUTHERN FLOW
SMITH-GOODENOUGH

SOUTHERN FLOW DIVISION
10515 E. 40TH AVE - DENVER, CO 80239
SUITE 113 - 303/371-6691

FLOW MEASUREMENT
JOHN P. SQUIER

MEASURE FROM Diamond Shamrock MEASURE TO Sys
STATION NAME Monument Butte Plant STATION NO _____
LOCATION Monument Butte DATE 1-27-64

METER - ORIFICE - FLOW COMP

MAKE AMERICAN BARTON FOXBORO ROCKWELL
[OTHER] _____

RANGE [DIFF.] 100 [STATIC] 1100

TYPE MERCURY (BELLOWS) DIAPHRAM TRANSDUCER

CLOCK 24H-48H 7D (8D) [OTHER] _____

SER No. 222415 [MODEL] 202A

DIFF [FOUND] 2.574 [LEFT] 2.574

ZERO [WORK-P] 0 [ATMOS.] 0

PEN [DIFF. ARC] (OK) RESET [TIME LAG] (OK) RESET

LEAKS [FOUND] YES (NO) [LEFT] YES (NO)

FRICTION [FOUND] YES (NO) [AMOUNT] _____

ORIFICE CHANGE

INSTALL [SIZE] _____ [TIME] _____

REMOVE [SIZE] _____ [TIME] _____

ORIFICE INSPECTION

FOUND [SIZE] 1.000 [INSP] YES (NO)

COND'T GOOD FAIR POOR* REJECT*

VERIFY BORE - MEASURE _____ CALIPER _____

TUBE [BORE] 3.061 (TAP FLANGE) TAP PIPE

FITTING FLANGE (SIMPLEX) JUNIOR SENIOR

COND'T (GOOD) FAIR POOR* REJECT*

GAS SPECIFIC GRAVITY .658

METHOD (RANAREX) OTHER _____

GAS-LIQ GRAVITOMETER/DENSITOMETER

| DIFFERENTIAL | | | | PRESSURE | | | |
|--------------|--------------|--------|---------|----------|------|--------|---------|
| FOUND OK | | RE-SET | RECALIB | FOUND OK | | RE-SET | RECALIB |
| UP | INITIAL TEST | DOWN | | INITIAL | TEST | FINAL | |
| WC | MET | WC | MET | DW | MET | DW | MET |
| 0 | 0 | 84 | 84 | 69.5 | 724 | 69.5 | 707 |
| 14 | 14 | 64 | 64 | 0 | +29 | 0 | +12 |
| 34 | 34 | 44 | 44 | P | S | 1 | A |
| 54 | 54 | 24 | 24 | | | | |
| 74 | 74 | 4 | 4 | | | | |
| 94 | 94 | 0 | 0 | | | | |

CHART SCALE LINEAR (SQ. RT)

ZERO SET GAUGE (ABSOL)

SCANNER YES (NO)

MAKE _____ SER. NO. _____ RANGE _____

[TEST GR.] _____ [FOUND] _____ [LEFT] _____

ADJUST [RESET] YES* NO [RE-CALIB.] YES* NO

TRANSMITTER [TYPE] _____ [OUT-PUT] _____

FOUND OK _____ RE-SET _____ RE-CALIB. _____

RECEIVER [TYPE] _____ [SCALE] _____

FOUND OK _____ RE-SET* _____ RE-CALIB* _____

GAS TURBO METER TEST

MAKE _____ SER. NO. _____ SIZE _____

DECAY TIME [TEST] _____ [REQ'D] _____

TYPE INSTRUMENT _____ VOLUME UNITS _____

INSTRUMENT [TEST] OK RESET* RECALIB*

OUTPUT READING HIGH-LOW % _____

GEAR COMB [FOUND] _____ [LEFT] _____

THERMOMETER

TYPE RECORD INDICATE DIAL STICK

MAKE AMERICAN BARTON FOXBORO TAYLOR

[OTHER] 3-pen

SER. NO. _____ RANGE 0-150 SIZE _____

TEST [TEMP.] 67° [RECORD] 101°

ADJUST [RE-SET] (YES) NO [RE-CALIB.] YES (NO)

DEW POINT DETERMINATION

DEW PT. TEMP. [HYD. CARB.] _____ [WATER] _____

LBS. WAT/MMCF _____

TYPE DEHYDRATOR _____

SAMPLE POINT [TEMP.] _____ [PRES.] _____

PROCUREMENT OF SAMPLES FOR ANALYSIS

SAMPLE CYL. NO. _____ SAMPLE GAS/DIST/OIL/WATER _____ SOURCE SAMPLE TEMP. _____ PSIG _____

REMARKS: DR. of LAG (2) Reset pressure (3) Reset Temp.

EXPLAIN _____

Scott Baere WITNESS SIGNATURE

BR Tompkins SOUTHERN FLOW SIGNATURE

Diamond Shamrock

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 "COTEE")

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

(Use attachments if necessary)

CONTACTED BY: [Signature]

DATE: 6-10-87



UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• 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. NO340

Report Period (Month/Year) 4 / 87

Amended Report

| Well Name | API Number | Entity | Location | Producing Zone | Days Oper | Production Volume | | |
|----------------------|------------|-----------------|----------|----------------|-----------|-------------------|------------|-------------|
| | | | | | | Oil (BBL) | Gas (MSCF) | Water (BBL) |
| X ALLEN FEDERAL #1 | 4301315779 | 01110 09S 17E 6 | GRRV | 23 | 71 | 238 | -0- | |
| X EAST RED WASH 2-5 | 4304720252 | 01112 08S 25E 5 | GRRV | -0- | -0- | -0- | -0- | |
| X ALLEN FEDERAL A-1 | 4301315780 | 01115 09S 17E 5 | GRRV | -0- | -0- | -0- | -0- | |
| X ALLEN FEDERAL 23-6 | 4301330558 | 01120 09S 17E 6 | GRRV | 30 | 225 | 1825 | 7 | |
| X ALLEN FEDERAL 32-6 | 4301330559 | 01120 09S 17E 6 | GRRV | 30 | 115 | 925 | -0- | |
| X ALLEN FEDERAL 41-6 | 4301330581 | 01120 09S 17E 6 | GRRV | 30 | 321 | 2838 | -0- | |
| X ALLEN FEDERAL 43-6 | 4301330583 | 01120 09S 17E 6 | GRRV | 30 | 199 | 1705 | 26 | |
| X ALLEN FEDERAL 21-6 | 4301330584 | 01120 09S 17E 6 | GRRV | 30 | 230 | 1234 | -0- | |
| X ALLEN FEDERAL 34-6 | 4301330586 | 01120 09S 17E 6 | GRRV | 30 | 209 | 1577 | 8 | |
| X ALLEN FEDERAL 13-6 | 4301330918 | 01120 09S 17E 6 | GRRV | 30 | 125 | 1047 | -0- | |
| X ALLEN FEDERAL 22-6 | 4301330919 | 01120 09S 17E 6 | GRRV | 30 | 186 | 2692 | 8 | |
| X ALLEN FEDERAL 12-5 | 4301330611 | 01125 09S 17E 5 | GRRV | 30 | 230 | 1186 | -0- | |
| X ALLEN FEDERAL 12-6 | 4301330582 | 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

| | | |
|--|--|--|
| SUNDRY NOTICES AND REPORTS ON WELLS <small>(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.)</small> | | 5. LEASE DESIGNATION & SERIAL NO. SEE ATTACHED LIST |
| 1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME |
| 2. NAME OF OPERATOR EQUITABLE RESOURCES ENERGY COMPANY | | 7. UNIT AGREEMENT NAME |
| 3. ADDRESS OF OPERATOR P.O. Box 21017; Billings, MT 59104 (406)259-7860 | | 8. FARM OR LEASE NAME |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface At proposed prod. zone SEE ATTACHED LIST | | 9. WELL NO. |
| 10. FIELD AND POOL, OR WILDCAT | | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA |
| 14. API NO. | 15. ELEVATIONS (Show whether DF, RT, GR, etc.) | 12. COUNTY |
| | | 13. STATE |

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

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

RECEIVED

OCT 09 1991

DIVISION OF
OIL GAS & MINING

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

SIGNED [Signature] TITLE Attorney-in-Fact DATE October 8, 1991

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

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

RECEIVED

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:

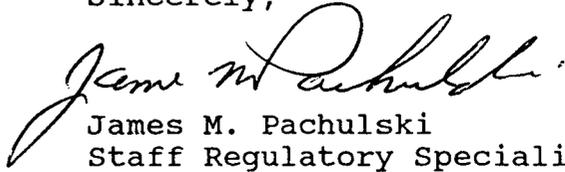
Attached is a list of wells within the State of Utah currently operated by Maxus Exploration Company. These wells are in the process of being transferred to a new operator:

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

43-013-30582
Re: Well No. Allen Federal 12-6
SENW, Sec. 6, T9S, R17E
Uintah County, Utah
Lease U-020252-A

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)

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

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

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

| | | | | | | |
|-------------------------------|------------|---------------|------------|-----------|-----------|-------------------|
| Name: **SEE ATTACHED** | API: _____ | Entity: _____ | Sec. _____ | Twp _____ | Rng _____ | Lease Type: _____ |
| Name: _____ | API: _____ | Entity: _____ | Sec. _____ | Twp _____ | Rng _____ | Lease Type: _____ |
| Name: _____ | API: _____ | Entity: _____ | Sec. _____ | Twp _____ | Rng _____ | Lease Type: _____ |
| Name: _____ | API: _____ | Entity: _____ | Sec. _____ | Twp _____ | Rng _____ | Lease Type: _____ |
| Name: _____ | API: _____ | Entity: _____ | Sec. _____ | Twp _____ | Rng _____ | Lease Type: _____ |
| Name: _____ | API: _____ | Entity: _____ | Sec. _____ | Twp _____ | Rng _____ | Lease Type: _____ |
| Name: _____ | API: _____ | Entity: _____ | Sec. _____ | Twp _____ | Rng _____ | Lease Type: _____ |

OPERATOR CHANGE DOCUMENTATION

1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 10-10-91)*
2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Rec'd 10-9-91)*
3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) 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.

REVIEW

(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).

State Lands and the Tax Commission have been notified through normal procedures of entity changes.

NOTIFICATION (Fee wells only)

(Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.

A copy of this form has been placed in the new and former operators' bond files.

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

(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.

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

INDEXING

All attachments to this form have been microfilmed. Date: 19 .

INDEXING

Copies of all attachments to this form have been filed in each well file.

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 DeBm when approved.
- 911125 Btm/Vernal " " "
- 911231 Btm/Vernal " " "

920110 Balceron/Bobby Schuman Reg. Transfer of Authority to Inject "Parvettie Bench Unit #4" and 134-35 Sundry for operator change "Rustlepeak St. 43-116"



UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

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

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

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

Comments (attach separate sheet if necessary) _____

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

Authorized signature _____ Telephone _____



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 #12-6

9. API Well No.

43-013-30582

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)

SE NW Section 6, T9S, R17E

1980' FNL, 604' 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. Janis

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 Approval of this
Action is Necessary)

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

Balcron Oil
Allen Federal #12-6
SW NW 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:
 4780 to 4788 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 4800'KB. Set packer at 4750'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:

6280', 5 1/2", 15.50 #/ft, J-55
PBD = 6203'KB

Tubing:

180 joints (5634'), 2 3/8", 4.6 #/ft, J-55

Rods:

15 - 3/4" X 25' HBS rods
204 - 3/4" X 25' Plain rods

BALCHON OIL**WELL REPORT**

WELL NAME: Allen Federal 12-6
 FIELD: Monument Butte
 FEDERAL LEASE NO.: U-020252-A
 LOCATION: SW NW Sec. 6, T9S, R17E
 COUNTY/STATE: Duchesne, UT
 WORKING INTEREST: 1.00
 PRODUCING FORMATIO Green River
 COMPLETION DATE: 2-20-82
 INITIAL PRODUCTION: 190 STBOPD, 75 MSCFGPD, 39 STBWPD
 OIL/GAS PURCHASER: Amoco/Grand Valley
 PRESENT PROD STATU 9 STBOPD, 54 MSCFGPD, 0 STBWPD
 ELEVATIONS - GROUND 5352'
 TOTAL DEPTH: 6300' KB

API NO.: 43-013-30582

NET REVENUE INT.: 0.825

SPUD DATE: 12-31-81
 OIL GRAVITY: 33.6 API
 BHT: 146 Deg.F
 DATE: 7-20-92
 KB: 5362' (10' KB)
 PLUG BACK TD: 6203' KB

SURFACE CASING

STRING: 1
 CSG SIZE: 8 5/8"
 GRADE: K-55
 WEIGHT: 24 lbs.
 LENGTH: 7 jts. @ 260'
 DEPTH LANDED: 270' KB
 HOLE SIZE: 12 1/4"
 CEMENT DATA: 210 sx, Class-H.
 Cement to surface.

PRODUCTION CASING

STRING: 1
 SIZE: 5 1/2"
 GRADE: K-55
 WEIGHT: 15.5 lbs.
 LENGTH: 6280'
 DEPTH LANDED: 6290' KB
 HOLE SIZE: 7 7/8"
 CEMENT DATA: 420 sx, Class-G.
 655 sx, RFC.
 CEMENT TOP AT: 680' from CBL

TUBING RECORD

SIZE/GRADE/WT.: 2 3/8", J-55, 4.7 lbs.
 NO. OF JOINTS: 180 jts. LENGTH: 5634'
 TUBING LANDED AT: 5644' KB
 TUBING ANCHOR: none
 SEATING NIPPLE: 1 25/32" x 1.01'
 PERF. SUB: 2.00"x3.00"
 MUD ANCHOR: none
 PACKER: none

PERFORATION RECORD

4302'-4326' (24') 49 SPF
 4832'-4851' (19') 39 SPF
 5280'-5301' (21') 43 SPF
 5665'-5676' (11') 23 SPF

ACID JOB

4302'-4326' 2500 gal 15% HCl Acid
 4832'-4851' 2000 gal 15% HCl Acid
 5280'-5301' 2000 gal 15% HCl Acid
 5665'-5676' 1000 gal 15% HCl Acid

SUCKER ROD RECORD

15 - 3/4" x 25' HBS
 204 - 3/4" x 25' Plain
 1 - 3/4" X4' Pony
 1 - 3/4" X6' Pony
 1 - 3/4" X8' Pony
 1 - 1/12 x 22' Polish Rod

FRAC JOB

4302'-4326' Frac w/Halliburton on 2-10-82.
 36,000 gal Ver 1400 fluid w/40,000 lbs 20-40 sd
 & 10,000 lbs 10-20 sd, Avg 20 BPM @ 1800psig, max
 @ 2200psig, ISIP @ 1800psig, 15 min @ 1540psig,
 20 min @ 1520psig.
 4832'-4851' Frac w/Halliburton on 2-9-82.
 31,000 gal Ver 1400 fluid w/40,000 lbs 20-40 sd
 & 10,000 lbs 10-20 sd, Avg 20 BPM @ 1950psig, max
 @ 2150psig, ISIP @ 1950psig, 15 min @ 1780psig,
 20 min @ 1770psig.
 5280'-5301' Frac w/Halliburton on 2-8-82.
 31,000 gal Ver 1400 fluid w/40,000 lbs 20-40 sd
 & 10,000 lbs 10-20 sd, Avg 20 BPM @ 1800psig, max
 @ 2700psig, ISIP @ 2070psig, 15 min @ 1920psig,
 20 min @ 1900psig.
 5665'-5676' Frac w/Halliburton on 2-7-82.
 36,000 gal Ver 1400 fluid w/40,000 lbs 20-40 sd
 & 10,000 lbs 10-20 sd, Avg 15 BPM @ 1700psig, max
 @ 2400psig, ISIP @ 1930psig, 15 min @ 1750psig,
 20 min @ 1720psig.

PUMP SIZE: 2"x1/4"x12"x15 1/2' RHAC
 STROKE LENGTH: 74"
 PUMP SPEED, SPM: 5
 PUMPING UNIT SIZE:
 PRIME MOVER:

LOGS: Cement Bond, Dual Induction-SFL,
 Compensated Neutron-Formation Density,
 Cyberlook.

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

| | |
|-------|---------|
| 1-LEC | 7-218 |
| 2-DPS | 1/8-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 (406) <u>259-7860</u> | | phone (406) <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: _____ |
| 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). *(Rec'd 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 Beloron 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'. No change necessary, they always recognized company name as "Equitable Resources Energy Company, Beloron 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 | API Number | Entity | Location | Producing Zone | Days Oper | Production Volume | | |
|--------------------|------------|--------|-----------|----------------|-----------|-------------------|------------|-------------|
| | | | | | | Oil (BBL) | Gas (MSCF) | Water (BBL) |
| MONMNT BUTTE 1-34 | 301330736 | 00030 | 09S 16E 1 | GRRV | | | | |
| MONMNT BUTTE 1-24 | 301330701 | 00050 | 09S 16E 1 | GRRV | | | | |
| ALLEN FEDERAL #1 | 301315779 | 01110 | 09S 17E 6 | GRRV | | | | |
| ALLEN FEDERAL 23-6 | 301330558 | 01120 | 09S 17E 6 | GRRV | | | | |
| ALLEN FEDERAL 32-6 | 301330559 | 01120 | 09S 17E 6 | GRRV | | | | |
| ALLEN FEDERAL 41-6 | 301330581 | 01120 | 09S 17E 6 | GRRV | | | | |
| ALLEN FEDERAL 43-6 | 301330583 | 01120 | 09S 17E 6 | GRRV | | | | |
| ALLEN FEDERAL 21-6 | 301330584 | 01120 | 09S 17E 6 | GRRV | | | | |
| ALLEN FEDERAL 34-6 | 301330586 | 01120 | 09S 17E 6 | GRRV | | | | |
| ALLEN FEDERAL 13-6 | 301330918 | 01120 | 09S 17E 6 | GRRV | w/w | | | |
| ALLEN FEDERAL 22-6 | 301330919 | 01120 | 09S 17E 6 | GRRV | w/w | | | |
| ALLEN FEDERAL 12-5 | 301330611 | 01125 | 09S 17E 5 | GRRV | | | | |
| ALLEN FEDERAL 12-6 | 301330582 | 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
(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



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

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 # 12-6

9. API Well No.

43-013- 30582

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)

SW NW Section 6, T9S, R17E

1980' FNL, 604' 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 workover
- 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.)*

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 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

9-7-93
J.M. Matthews

SEP 02 1993

DIVISION OF
OIL, GAS & MINING

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

Signed

Bobbie Schuman
Bobbie Schuman
(This space for Federal or State office use)

Title

Coordinator of Environmental
and Regulatory Affairs

Date

9-1-93

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

Allen Federal #12-6
SW NW 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 (8 ft w/4 spf from 4780'- 4788' KB), GREEN1 Zone (4 ft w/4 spf from 5051'- 5055' KB), breakdown & 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 @ 4302'-4326' KB w/2 spf.
RED2 Zone @ 4832'-4851' KB w/2 spf.
GREEN5 Zone @ 5280'-5301' KB w/2 spf.
BLUE Zone @ 5665'-5676' KB w/2 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.

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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/4" carrier gun & perforate as follows:
RED1 @ 4780'- 4788' KB w/4 spf.
GREEN1 @ 5051'- 5055' KB w/4 spf.
- 4) RIH w/RBP, retrieving tool, one jnt 2 3/8" tbg, SN, packer, & 2 3/8" tbg.
- 5) Set RBP @ 5110' KB, pull the packer up hole to 4990' KB, circulate well w/ 2% KCl water to clean up the perforation debris, set packer @ 4990' KB.
Note: Csg collars @ 4961', 5004', 5047', 5090', & 5132' KB.
- 6) Rig up frac trucks to breakdown perms & fracture the formation.
- 7) Breakdown perms w/ 2% KCl water & 20 ball sealers, ball out perms, 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 @ 4810' KB, pull the packer up hole & set @ 4730' KB, load backside w/2% KCL water.
Note: Csg collars @ 4706', 4750, & 4792' KB.
- 13) Breakdown perms w/ 2% KCl water & 65 ball sealers, ball out perms, 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, SDFN to let frac heel.
- 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 @ 5030' 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 @ 5680' 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 | | | 4659-4676 | | 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 | | |

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

COMPANY NAME: LINMAR PETEROLEUM COMPANY

WELL NAME: FLANIGAN 2-14B5

QTR/QTR: NE/SW SECTION: 14 TOWNSHIP: T2S RANGE: R5W

COUNTY: DUCHESNE API NO: 43-013-30757

CEMENTING COMPANY: DOWELL WELL SIGN: Y

INSPECTOR: INGRAM TIME: 8:00 A.M. DATE: 9/7 - 9/9/93

CEMENTING OPERATIONS: PLUGBACK: _____ SQUEEZE: Y P&A WELL: Y

SURFACE PLUG: Y INTERMEDIATE PLUG: Y

BOTTOM PLUG SET @: 10,593 WIRELINE: N MECHANICAL: Y

PERFORATIONS: _____ SQUEEZE PRESSURE: 700 PSI@3 BBLs

CASING SIZE: SURFACE: 9 5/8" PRODUCTION: 7"

GRADE: SURFACE: _____ PRODUCTION: 5"

PRODUCTION CASING TESTED TO: 1050 PSI TIME: 15 MIN:

SLURRY INFORMATION: (INCLUDE NO. OF SACKS CLASS AND ADDITIVES)

1. SURFACE PLUG: PUMPED 50 SKS CLASS 'G' @200'

2. INTERMEDIATE PLUGS: PUMP 50 SK OF 'G' @4775 ACROSS SALINE ZONE.

3. BOTTOM PLUG: 16 BBL SLURRY OF 'G' WITH 1.5 SKS FLUID LOSS ADDITIVE & 83 SKS CEMENT @ 15.8 PPG ON TOP OF 5" CIBP

4. CEMENT ON TOP OF PLUG: RETAINER @ 3389 (125 BELOW, 50 TOP)

5. ANNULUS CEMENTED: SPILL 100 PLUS SKS OF CLASS G TIL FULL

6. FLUID IN WELL BORE: 9.0 PPG TREATED MUD

ABANDONMENT MARKER SET:

PLATE: _____ PIPE: Y CORRECT INFORMATION: Y

REHABILITATION COMPLETED: N

COMMENTS: REHABED NEXT SPRING. PUMPED 92 BBL SLURRY 50/50 POZ DOWN 9 5/8" THEN CEMENT TIL FULL THE FOLLOWING DAY.

Duckoeme

Balcron Oil DAILY OPERATING REPORT

DATE: 9/9/93

BALCRON MONUMENT FEDERAL #32-11
--TIGHT HOLE--

Operator: ERRC/Balcron
Location: SW NE Section 11, T9S, R16E
Duchesne County, Utah
Prospect: Jonah Unit, Monument Butte Field

9-9-93 TD: 4,806' (862') Day 5
Formation: Green River
MW 8.4 pH 10
Present Operation: Drilling
Drill, survey, repair flow line, & blow hole.
DC: \$11,383 CC: \$81,952

BALCRON MONUMENT FED. #11-6
--TIGHT HOLE--

Operator: ERRC/Balcron
Location: NW NW Section 6, T9S, R17E
Duchesne County, Utah
Prospect: Jonah Unit, Monument Butte Field

9-8-93 Completion for injection.
MIRU Basin Well Service. ND wellhead, NU BOP. Try to release packers, shear top hydraulic packer. Could not release Arrow Set-1 packer, manipulate tbg w/torque, pull, etc. Hold right-hand torque on tbg while pulling, could not release Arrow Set-1 packer. Close in well. SDFN.
DC: \$2,001 CC: \$2,001

ALLEN FEDERAL #12-6

Pow

Operator: ERRC/Balcron
Location: SW NW Section 6, T9S, R17E
Duchesne County, Utah
Prospect: Jonah Unit, Monument Butte Field

9-7-93 Completion of the RED1 and GREEN1 zones for oil production.
MIRU Betts Well Service. Hang well off & unseat pump, hot oil rods & tbg. TOOH w/222 rods (207 slick rods & 15 guided rods) & 6', 4', 8' x 3/4" ponies. ND wellhead, NU BOP. PU 15-1/2" jts tbg @ 480' & tbg TD @ 6106' KB. (Btm perfs @ 5665'-5676' KB w/PBTD @ 6203' KB) 430' rathole. TOOH w/tbg, SN, MA & notched collar. RU Four Star Hydrotesters (blew hydraulic line). SDFN.
DC: \$3,774 CC: \$3,774

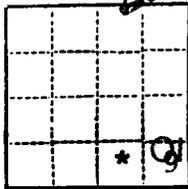
9-8-93 Completion for oil production.
RIH w/bit, scraper & tbg. Hydrotest 178 jts 2-3/8" J-55 tbg going into the hole to 6000 psig. Replace 9 2-3/8" tbg collars, did not blow any jts of tbg. TOHH w/bit, scraper, & 178 jts 2-7/8" tbg, strap coming out. RU Schlumberger to perf, perf from: 4780'-4788' KB w/4 SPF; 5051'-5055' KB w/4 SPF. RIH w/Arrow RBP, ret took, 1 jt 2-3/8" tbg, Arrow HD packer, SN, & tbg. Set RBP @ 5110' KB. Circ hole w/130 STB 2 & KCl wtr. Pull up 2 jts tbg & set packer @ 4995' KB. SDFN
DC: \$6,661 CC: \$10,435

BALCRON MONUMENT FED. #11-6 Operator: EREC/Balcron
 --TIGHT HOLE-- Location: NW NW Section 6, T9S, R17E
 Duchesne County, Utah
 Prospect: Jonah Unit, Monument Butte Field

9-9-93 Completion for injection.
 MI & fill 500 STB tank for frac job. Bleed pressure off of well. Try to release packer, could not release. RU Dia-Log to free point tbg. RIH w/free point tools. Found tbg free above lowest-most packer, tbg shows no torque movement below lowest inj mandrel. TOOH w/tools. RIH w/chemical cutter & cut tbg @ 5241' KB, 4' above lowest packer. TOOH w/tools. Pull 60,000# to free tbg, TOOH w/2-7/8" tg, 16 jts 2-3/8" tbg, 2 Arrow hydraulic packers & 3 inj mandrels. RIH w/fishing tools (overshoot) & tbg. Catch fish & work packer 10,000-70,000#. Hold torque on tbg & work tbg. Pump down csg & pull 80,000#. Pump down tbg & pull 60,000#. LD 5 jts & pull up 12 stds. Well flowing to surface. SWI & SDFN.
 DC: \$7,246 CC: \$9,247

ALLEN FEDERAL #12-6 Operator: EREC/Balcron
 --TIGHT HOLE-- Location: SW NW Section 6, T9S, R17E
 Duchesne County, Utah
 Prospect: Jonah Unit, Monument Butte Field

9-9-93 Completion for oil production.
 RU Western to frac. Breakdown perf (5051'-50555' KB w/4 SPF) w/35 ball sealers. Ran 2 balls per STB for 17 STB 2% KCl wtr, displace w/20 STBW, well broke back from 4400 psig to 3500 psig @ 5.7 STBPM, good ball action w/ball off @ 6000 psig, surge balls off. Frac perfs (5051'-50555' KB) w/8000# 16-30 mesh sand w/216 STB total fluid, average 11.5 STBPM @ 4700 psig, max 4900 psig. Pressure increased rapidly during 4 ppg stage, went to flush & displace tbg @ 8000# of sand (proposed to use 15,000#). ISIP @ 1930 psig, 15 min @ 1860 psig. Flow back well & release packer. TOOH w/tbg, SN, packer, 1 jt 2-3/8" tbg, ret. tool. RIH w/RBP, ret tool, 1 jt 2-3/8" tbg, packer, SN & tbg. Set RBP @ 4810' KB. Set packer @ 4727' KB w/end of tbg @ 4761' KB. Breakdown perfs (4780'-4788' KB w/4 SPF) w/65 ball sealers, ran 2 balls per STB for 32 STB 2% KCl wtr, displace w/19 STB, well broke from 4000 psig to 3680 psig @ 7.3 STBPM, good ball action w/ball off @ 5100 psig, surge ball back. Frac perfs (4780'-4788' KB) w/23800# 16-30 mesh sand, average 12.0 STBPM @ 4200 psig, max 5000 psig, ISIP @ 2180 psig, 15 min @ 1560 psig. SWI. SDFN. Total load to recover @ 560 STB + 100 STB = 660 STB.
 DC: \$28,117 CC: \$38,552



SEP 17 1993

DIVISION OF
OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CONSERVATION DIVISION
INDIVIDUAL WELL RECORD

Sec. 9
T. 17S
R. 23E
SLB & Mer.
Ref. No. 17

CA-NRM 1858
PUBLIC LAND:

Date March 20, 1981

Land office Utah State Utah
Serial No. 41081 County Grand
Lessee Texas Oil and Gas Corp. Field Wildcat
Operator Texas Oil and Gas Corp. District Salt Lake City
Well No. Bailey Fed. #1 Subdivision SW SE
Location 700' FSL & 1830' FEL

Drilling approved Sept. 24, 1980 Well elevation 5945' GR feet
Drilling commenced 10-22, 1980 Total depth 5700 PB 5628 feet
Drilling ceased 11-8, 1980 Initial production 1400 MCFGPD
Completed for production 12-20, 1980 Gravity A. P. I. _____
Abandonment approved 11-5, 1989 Initial R. P. _____

Geologic Formations FAN 8-30-93 Productive Horizons _____
Surface Lowest tested Name Depth Contents

43-019-30708
WELL STATUS _____

| YEAR | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | OCT. | NOV. | DEC. |
|-------------|------|------|------|------|-----|------|------|------------|-------|------|------|------|
| <u>1993</u> | | | | | | | | <u>ATA</u> | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

REMARKS _____

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SEP 17 1993

INDIVIDUAL WELL RECORD

Sec. 35
T. 8S
R. 18E
SLB Mer.

| | | |
|--|----|--|
| | | |
| | 35 | |
| | | |

**DIVISION OF
OIL, GAS & MINING**

Date September 26, 1991

Ref. No. _____

FEDERAL

Lease No. U-49430*
Lessee Raymond Chorney - 25%
Wildrose Resources - 75%
Operator Wildrose Resources
Well Name & No. 24-35
A.P.I. Well No. 43-047-32099
Location 1042' FSL & 2406' FWL

State Utah
County Uintah
Field Eight Mile Flat North
Unit/CA _____
District Vernal
Subdivision SESW

Date Drilling Approved September 26, 1991
Date Drilling Commenced October 20, 1991
Date Drilling Ceased October 29, 1991
Date Completed For Production _____
Date Abandonment Approved (Final) FAN August 26, 1993

Well Elevation 4852' GR Feet
Total Depth 6050' Feet
Initial Production _____
Gravity A.P.I. _____
Initial Reservoir Pressure _____

Created by segregation from U-15391
GEOLOGIC FORMATIONS

PRODUCTIVE HORIZONS

SURFACE LOWEST TESTED NAME DEPTHS CONTENTS

| | |
|---------------------------|------------|
| SURFACE MANAGEMENT AGENCY | <u>FED</u> |
| MINERAL OWNERSHIP | <u>BLM</u> |
| LEASE EXPIRATION | <u>HBP</u> |

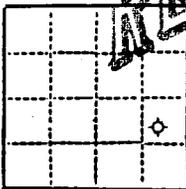
WELL STATUS

| YEAR | JAN. | FEB. | MARCH | APRIL | MAY | JUNE | JULY | AUG. | SEPT. | OCT. | NOV. | DEC. |
|-------------|------|------|-------|-------|-----|------|------|------------|-------|----------------|------|------|
| <u>1991</u> | | | | | | | | | | <u>SPUD/ID</u> | | |
| <u>1992</u> | | | | | | | | | | <u>ABD</u> | | |
| <u>1993</u> | | | | | | | | <u>P+A</u> | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

First Production Memorandum _____ Lease Extension Memorandum _____ Confirmation _____

Remarks _____

UNITED STATES



URGENT

SEP 17 1993

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CONSERVATION DIVISION

Sec. 13
T. 21 S.
R. 18 E.
SLB& Mer.
API# 43-019-31221
Ref. No. _____

DIVISION OF **INDIVIDUAL WELL RECORD**
OIL, GAS & MINING

PUBLIC LAND: Date July 22, 1986

Land office Utah State Utah
Serial No. 45033 County Grand
Lessee Marathon Oil Company Field Blaze Canyon (UNDESIGNATED)
Operator Universal Oil & Gas, Inc. District Moab
Well No. Marathon-Federal 13-1 Subdivision NESE

Location 1997' FSL & 662' FEL
Drilling approved February 6, 1986 Well elevation 4993 GL feet
Drilling commenced April 19, 1986 Total depth 4954' feet
Drilling ceased May 16, 1986 Initial production _____
Oral to Abandon _____
Completed for production May 16, 1986 Gravity A. P. I.
Abandonment approved November 28 1988 Initial R. P. _____

Geologic Formations FAN Approved 8/19/93 Productive Horizons

| Surface | Lowest tested | Name | Depths | Contents |
|---------------|---------------|------|--------|----------|
| <u>Mancos</u> | <u>Navajo</u> | | | |

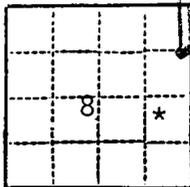
WELL STATUS

| YEAR | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | OCT. | NOV. | DEC. |
|------|------|------|------|--------------|-------------|--------------------|------|------|-------|------|--------------------------|------|
| 1986 | | | | SPUD 4/19 | P&A 5/16 | 6/23/86 SRA ucd | | | | | | |
| 1988 | | | | | | | | | | | SRA Approved 11/28/88 | |
| 1993 | | | | | | | | FAN | | | | |

REMARKS Geologic Markers: Mancos - Surface; Dakota - 3486'; Morrison - 3514';
Summerville - 4162'; Moab Tongue - 4205'; Entrada - 4376'; Carmel -
4675'; Navajo - 4802'.
Casing Record: 8-5/8" @ 300' w/225 sxs Class G 2% CaCl

11-922

Form 9-583
(April 1952)



RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
SEP 17 1993 GEOLOGICAL SURVEY
CONSERVATION DIVISION
DIVISION OF
INDIVIDUAL WELL RECORD
OIL, GAS & MINING

Sec. 8

T. 15 S

R. 23 E

SLB& Mer.

PUBLIC LAND:

Date October 20, 1981

Ref. No. 18

Land office Utah State Utah

Serial No. 9211 County Uintah

Lessee Baco Partnership
Mono Power-PTS- et al Field Main Canyon Unit

Operator Coseka Resources District Salt Lake City

Well No. 8-8-15-23 Subdivision NE SE

Location 1880' FSL & 556' FEL

Drilling approved June 8, 1981 Well elevation 7628 Gr. feet

Drilling commenced June 9, 1981 Total depth 6180 PB 6142 feet

Drilling ceased July 1, 1981 Initial production 320 MCFGPD

Completed for production Sept. 3, 1981 Gravity A. P. I. NA

Abandonment approved Aug. 23, 1993 Initial R. P. FTP-260#, CP-280#

| Geologic Formations | | Productive Horizons | | |
|---------------------|-------------------|---------------------|--|------------|
| Surface | Lowest tested | Name | Depths | Contents |
| <u>Green River</u> | <u>Mancos "B"</u> | <u>Mancos</u> | <u>5349-6026</u> <u>(Selective)</u> | <u>Gas</u> |

WELL STATUS

| YEAR | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | OCT. | NOV. | DEC. |
|-------------|------|------|------|------|-----|-------------|----------------|------------|------------|------|------|------|
| <u>1981</u> | | | | | | <u>Spud</u> | <u>TD 6180</u> | | <u>GSI</u> | | | |
| <u>1982</u> | | | | | | | | <u>PGW</u> | | | | |
| <u>1988</u> | | | | | | | | <u>ABD</u> | | | | |
| <u>1993</u> | | | | | | | | <u>P+A</u> | | | | |

REMARKS Geologic Markers: See Well File

Casing Record: 9 5/8" cc @ 310' w/cmt to surface
4 1/2" cc @ 6179' w/395 sxs

EA # 512-81

Form 9-583
(April 1952)

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR

SEP 17 1993
GEOLOGICAL SURVEY
CONSERVATION DIVISION

DIVISION OF
OIL, GAS & MINERAL
INDIVIDUAL WELL RECORD

Sec. 3

T. 15S

R. 23E

SLB & Mer.

| | | |
|--|-----|--|
| | | |
| | 3 * | |
| | | |

PUBLIC LAND:

Date November 16, 1981

Ref. No. 21

Land office Utah State Utah

Serial No. 8361 County Uintah

Lessee Pacific Transms. Supply et al Field Main Canyon Unit

Operator Coseka Resources (USA) Ltd. District Salt Lake City

Well No. 9-3-15-23 Subdivision SE NE

Location 1974' FNL & 580' FEL

Drilling approved Aug. 14, 1981 Well elevation 7542' GR feet

Drilling commenced Sept. 11, 1981 Total depth 8750 PB 8693 feet

Drilling ceased Oct. 10, 1981 Initial production 867 MCFGPD

Completed for production Nov. 4, 1981 Gravity A. P. I. NA

Abandonment approved Aug 23, 1993 Initial R. P. FTP-410#, CP-550#

| Geologic Formations | | Productive Horizons | | |
|---------------------|-----------------|---------------------|---------------------------------|------------|
| Surface | Lowest tested | Name | Depths | Contents |
| <u>Green River</u> | <u>Morrison</u> | <u>Dakota</u> | <u>8350-8556</u> (Selective) | <u>Gas</u> |

WELL STATUS

| YEAR | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | OCT. | NOV. | DEC. |
|------|------|------|------|------|-----|------|------|------|-------|------------|------|------|
| 1981 | | | | | | | | | spud | TD 8750 | GSI | |
| 1988 | | | | | | | | ABD | | | | |
| 1993 | | | | | | | | PLA | | | | |

REMARKS Geologic Markers: see well file

Casing record: 9 5/8" cc @ 302' w/165 sxs.

7" cc @ 4990' w/175 sxs.

4 1/2" cc @ 8734' w/130 sxs.

Form 9-583
(April 1952)

UNITED STATES

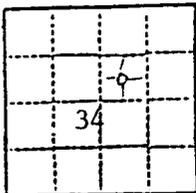
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CONSERVATION DIVISION

Sec. 34

T. 8S

R. 18E

SLB & Mer.



INDIVIDUAL WELL RECORD

PUBLIC LAND:

Date December 14, 1984

Ref. No. _____

Land office Utah State Utah

Serial No. U-51081 County Uintah

Lessee Natural Gas Corp. of CA
Harper Oil Co. Field Pleasant Valley

Operator Natural Gas Corp. of CA District Vernal

Well No. 32-34-D Subdivision SW/NE

Location 1858' FNL & 2037'' FEL

Drilling approved December 14, 1984 Well elevation 4821' Un. Gr. feet

Drilling commenced January 29, 1985 Total depth 6,100 feet

Drilling ceased February 13, 1985 Initial production none

Abandoned Completed for production Feb. 14, 1985 Gravity A. P. I. none

Abandonment approved FAN July 21, 1993 Initial R. P. none

| Geologic Formations | | Productive Horizons | | |
|---------------------|--------------------------|---------------------|--------|----------|
| Surface | Lowest tested | Name | Depths | Contents |
| <u>Uinta</u> | <u>Lower Green River</u> | <u>none</u> | | |

WELL STATUS

| YEAR | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | OCT. | NOV. | DEC. |
|------|------|------|------|------|-----|------|------|------|-------|------|------|------|
| 1985 | SPUD | ABD | | | | | | | | | | |
| 1993 | | | | | | | P+A | | | | | |

RECEIVED
SEP 17 1993
DIVISION OF OIL, GAS & MINING

REMARKS Geologic Markers - see well file

Plugs #5 25 sxs @ sfc

8 5/8", 24# @ 298' #4 225-375' w/60 sxs

7 7/8" hole to 6,100' #3 1,800-2,000' w/80 sxs

#2 3,800-4,000' w/80 sxs

#1 5,800-6,000' w/70 sxs

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

Sec. 23
T. 9S
R. 15E
SLB & Mer.

| | | |
|--|----|--|
| | | |
| | | |
| | 23 | |
| | | |

INDIVIDUAL WELL RECORD

PUBLIC LAND: Date June 20, 1985 Ref. No. _____

Land office Utah State Utah
 Serial No. U-44425 County Duchesne
 Leasee Harper Oil Co. 25%
Lomax Exploration 75% Field wildcat
 Operator Lomax Exploration
Lundford Enterprises Co. District Vernal
 Well No. 24-23 Subdivision SE/SW

Location 1980' FWL & 760' FSL
 Drilling approved June 20, 1985 Well elevation 6383' GR feet
 Drilling commenced June 30, 1985 Total depth 0'? feet
 Drilling ceased _____, 19____ Initial production _____
 Completed for production _____, 19____ Gravity A. P. I. _____
 Abandonment approved Sept 10, 1993 Initial R. P. _____

| Geologic Formations | | Productive Horizons | | |
|---------------------|---------------|---------------------|-------|----------|
| Surface | Lowest tested | Name | Depth | Contents |

WELL STATUS

| YEAR | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | OCT. | NOV. | DEC. |
|------|------|------|------|------|-----|------|------|------|-------|------|------|------|
| 1985 | | | | | | Spud | | | | | | |
| 1987 | | | | | | | | | | ABD | | |
| 1993 | | | | | | | | | RA | | | |

REMARKS License expired -

RECEIVED

SEP 17 1993

Rat Hole Spud

DIVISION OF
OIL, GAS & MINING

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

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 #12-6

9. API Well No.

43-013-30582

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)

SW NW Section 6, T9S, R17E.
1980' FNL, 604' 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 type="checkbox"/> Change of Plans |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Recompletion | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Plugging Back | <input type="checkbox"/> Non-Routine Fracturing |
| | <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Water Shut-Off |
| | <input type="checkbox"/> Altering Casing | <input type="checkbox"/> Conversion to Injection |
| | <input checked="" type="checkbox"/> Other <u>work done</u> | <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 Bobbie Schuman

Title Coordinator of Environmental and Regulatory Affairs

Date December 28, 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

EPECO Balcon Oil Division

Jonah Unit
Monument Butte Field

Attachment to Sundry Notice for work completed.

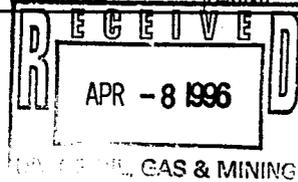
Allen Federal #12-6
SW NW Section 6, T9S, R17E
Lease No. U-020252A
Monument Butte Field
Duchesne County, Utah
Jonah Unit

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

- 1) MIRU B&B Well Service.
- 2) Perforate the Red-1 & Green-1 zones.
RED1 Zone @ 4780'- 4788' KB w/4 spf.
GREEN1 Zone @ 5051'- 5055' KB w/4 spf.
- 3) Breakdown & frac perfs @ 5051'- 5055' KB.
Breakdown perfs w/17 STB 2% KCl water & 35 ball sealers.
Frac perfs w/8,000 lbs of 16-30 mesh sand & 216 STB gelled
2% KCl water, 11.5 STBPM @ 4700 psig, ISIP @ 1930 psig.
- 4) Breakdown & frac perfs @ 4780'- 4788' KB.
Breakdown perfs w/32 STB 2% KCl water & 65 ball sealers.
Frac perfs w/23,800 lbs of 16-30 mesh sand & 344 STB gelled
2% KCl water, 12.0 STBPM @ 4200 psig, ISIP @ 2180 psig.
- 5) Wash sand from well & swab to clean up perfs.
- 6) Return well to production.

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 (SI) | 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 | |





EQUITABLE RESOURCES
ENERGY COMPANY

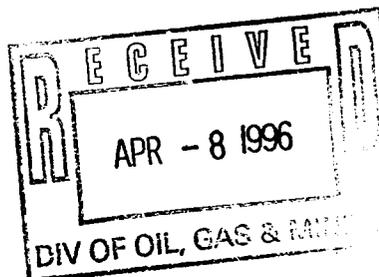
BALCRON OIL DIVISION

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)

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

Approximate date work will start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

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

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.

13. Name & Signature: Bobbie Schuman
Bobbie Schuman

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

(This space for State use only)

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

| | |
|---|------------|
| 1 | DE 7-SJ |
| 2 | DE 58-FILE |
| 3 | VLD (GIL) |
| 4 | RJE |
| 5 | JE |
| 6 | FLM |

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> | <u>BALCRON OIL DIVISION</u> |
| | <u>BILLINGS MT 59102-4126</u> | <u>1601 LEWIS AVE</u> |
| | phone <u>(406) 259-7860</u> | phone <u>(406) 259-7860</u> |
| | account no. <u>N9890</u> | account no. <u>N9890</u> |

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

| | | | | | | |
|-------------------------------|-----------------------|---------------|-----------|-----------|-----------|-------------------|
| Name: **SEE ATTACHED** | API: <u>013-30582</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: _____ |

OPERATOR CHANGE DOCUMENTATION

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

ENTITY REVIEW

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

FILMING

- Yes 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

9/20/10 BLM/BIA "Formal approval not necessary".

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

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

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

UTAH ACCOUNT NUMBER: N9890

REPORT PERIOD (MONTH/YEAR): 3 / 96

AMENDED REPORT (Highlight Changes)

| Well Name | | | Producing Zone | Well Status | Days Oper | Production Volumes | | |
|---------------|---------------------|------------|----------------|-------------|-----------|--------------------|----------|------------|
| API Number | Entity | Location | | | | OIL(BBL) | GAS(MCF) | WATER(BBL) |
| ✓ | MONUMENT FED 22-12J | | | | | | | |
| 4301315796 | 11492 | 09S 16E 12 | GRRV | | | | | |
| ✓ | MONUMENT FED 42-11J | | | | | | | |
| 4301330066 | 11492 | 09S 16E 11 | GRRV | | | | | |
| ✓ | ALLEN FEDERAL 23-6 | | | | | | | |
| 4301330558 | 11492 | 09S 17E 6 | GRRV | | | | | |
| ✓ | ALLEN FEDERAL 32-6 | | | | | | | |
| 4301330559 | 11492 | 09S 17E 6 | GRRV | | | | | |
| ✓ | ALLEN FEDERAL 41-6 | | | | | | | |
| 4301330581 | 11492 | 09S 17E 6 | GRRV | | | | | |
| ✓ | ALLEN FEDERAL 12-6 | | | | | | | |
| 401330582 | 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 | | | | | |
| ✓ | ALLEN FEDERAL 12-5 | | | | | | | |
| 4301330611 | 11492 | 09S 17E 5 | GRRV | | | | | |
| ✓ | ALLEN FEDERAL 21-5 | | | | | | | |
| 4301330612 | 11492 | 09S 17E 5 | GRRV | | | | | |
| ✓ | CASTLE PK FED 31-15 | | | | | | | |
| 4301330613 | 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: _____

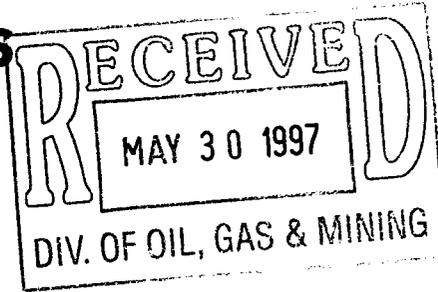
Telephone Number: _____



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

Jonah Unit

Customer : EREC - Western Oil Company **Field :** Monument Butte Field
Address : 1601 Lewis Avenue **Lease :** Allen Federal Lease
City : Billings **Location :** Well No. 12-06
State : MT **Postal Code :** 59104- **Sample Point :** wellhead

Attention : John Zellitti **Date Sampled :** 23-Jan-97
cc1 : Dan Farnsworth **Date Received :** 23-Jan-97
cc2 : Joe Ivey **Date Reported :** 08-Feb-97
cc3 : **Salesman :** Lee Gardiner
Analyst : Karen Hawkins Allen

| CATIONS | | | ANIONS | | |
|------------------|------|------------|--------------------------|-------|----------|
| Calcium : | 240 | mg/l | Chloride: | 1,660 | mg/l |
| Magnesium : | 5 | mg/l | Carbonate: | 264 | mg/l |
| Barium : | 0 | mg/l | Bicarbonate: | 1,171 | mg/l |
| Strontium : | 0 | mg/l | Sulfate: | 155 | mg/l |
| Iron : | 3.0 | mg/l | | | |
| Sodium : | 1307 | mg/l | | | |
| pH (field) : | 9.07 | | Specific Gravity : | 1.005 | grams/ml |
| Temperature : | 85 | degrees F | Total Dissolved Solids : | 4,805 | ppm |
| Ionic Strength : | 0.07 | | CO2 in Water : | 1 | mg/l |
| | | | CO2 in Gas : | 0.03 | mole % |
| Resistivity : | | ohm/meters | H2S in Water : | 0.0 | mg/l |
| Ammonia : | | ppm | O2 in Water : | 0.000 | ppm |
| Comments : | | | | | |

SI calculations based on Tomson-Oddo

| | | | |
|------------------------|-------|-----------------|-------|
| Calcite (CaCO3) SI : | 2.60 | Calcite PTB : | 208.8 |
| Gypsum (CaSO4) SI : | -1.82 | 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

43-013-30582

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.

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

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

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

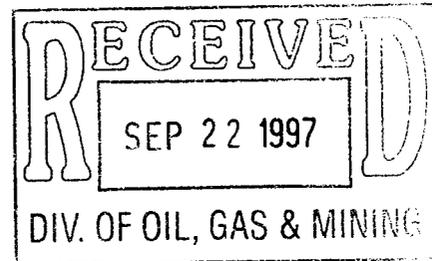
TYPE OF ACTION

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other Site Security Diagram
- 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.)*

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)

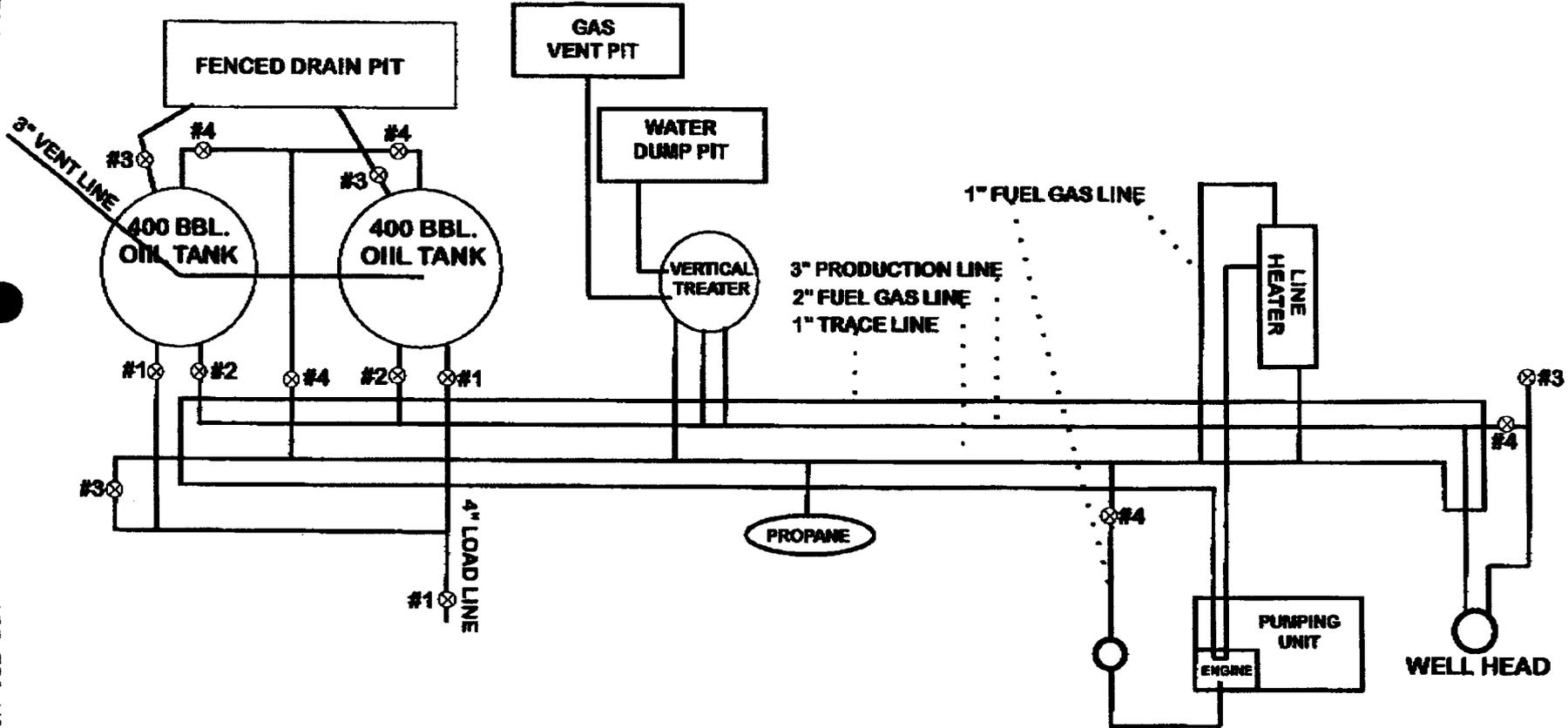
Approved by _____ Title _____ Date _____
Conditions of approval, if any:

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.

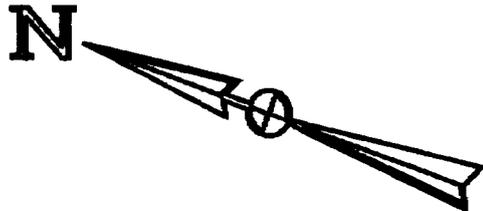
EQUITABLE RESOURCES ENERGY COMPANY
 ALLEN FEDERAL 12-6
 PRODUCTION FACILITY DIAGRAM

ALLEN FEDERAL 12-6
 SW NW SEC. 6, T9S, R17E
 DUCHESNE COUNTY, UTAH
 FEDERAL LEASE #U-020252-A

P. 2/6



SEP 15 '97 01:44PM BIRON 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

PLAN LOCATED AT:
EQUITABLE RESOURCES ENERGY COMPANY
 WESTERN REGION
 1697 Lewis Avenue
 Billings, MT 59102
 (406) 255-7601
 September 10, 1987

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 |

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-02052-A

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit
UTU72086A

8. Well Name and No.

Allen Fed. #12-6

9. API Well No.

43-013-30582

10. Field and Pool, or Exploratory Area

M. Butte/Green River

11. County or Parish, State

Duchesne County, UT

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Equitable Resources Energy Company

3. Address and Telephone No.

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

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

SW NW Section 6, T9S, R17E
1980' FNL & 604' FWL

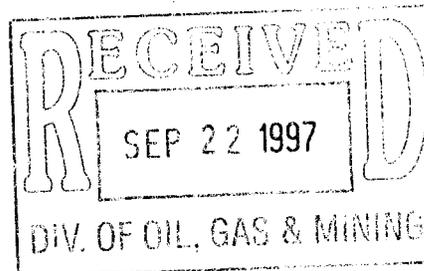
12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| 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 <u>Onshore Order #7</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.)*

All produced water from this well is hauled to the Monument Butte Gas Plant and is then used as injection water for the Jonah Unit Waterflood project.



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

Signed Molly Conrad

Agent for Equitable Resources

Title Energy Company

Date 9-15-97

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

Conditions of approval, if any: _____

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

1. Type of Well: OIL GAS OTHER: _____

2. Name of Operator: Inland Production Company

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

4. Location of Well Footages: See Attached Exhibit

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

RECEIVED
OCT 13 1997

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

| NOTICE OF INTENT (Submit in Duplicate) | SUBSEQUENT REPORT (Submit Original Form Only) |
|--|--|
| <input type="checkbox"/> Abandon <input type="checkbox"/> Repair Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Convert to Injection <input type="checkbox"/> Fracture Treat or Acidize <input type="checkbox"/> Multiple Completion <input checked="" type="checkbox"/> Other <u>Change of Operator</u> | <input type="checkbox"/> Abandon * <input type="checkbox"/> Repair Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Convert to Injection <input type="checkbox"/> Fracture Treat or Acidize <input checked="" type="checkbox"/> Other <u>Change of Operator</u> |
| <input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recomplete <input type="checkbox"/> Reperforate <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off | <input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Reperforate <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off |
| Approximate date work will start _____ | Date of work completion <u>9-30-97</u> |
| | Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form. * Must be accompanied by a cement verification report. |

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

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 **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,

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.

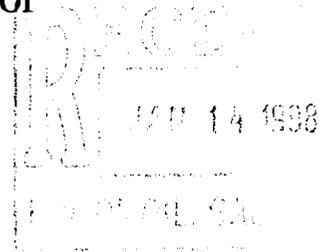
NOTE: Here is the letter you requested.
Call if you need anything
further.



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 ENER |
| UTU72086A | 430131578000S1 | 1 | NWNW | 5 | 9S | 17E | POW | UTU020252 | EQUITABLE RESOURCES ENER |
| UTU72086A | 430131577900S1 | 1 | SESE | 6 | 9S | 17E | WIW | UTU020252A | EQUITABLE RESOURCES ENER |
| UTU72086A | 430131578900S1 | 1 | SESW | 11 | 9S | 16E | POW | UTU096547 | EQUITABLE RESOURCES ENER |
| UTU72086A | 430131579200S1 | 1 | SESE | 11 | 9S | 16E | POW | UTU096550 | EQUITABLE RESOURCES ENER |
| UTU72086A | 430133070200S1 | 1-13 | NWSW | 1 | 9S | 16E | WIW | UTU18399 | EQUITABLE RESOURCES ENER |
| UTU72086A | 430133070300S1 | 1-14 | SWSW | 1 | 9S | 16E | POW | UTU18399 | EQUITABLE RESOURCES ENER |
| UTU72086A | 430133064600S1 | 1-23 | NESW | 1 | 9S | 16E | POW | UTU18399 | EQUITABLE RESOURCES ENER |
| UTU72086A | 430133070100S1 | 1-24 | SESW | 1 | 9S | 16E | WIW | UTU18399 | EQUITABLE RESOURCES ENER |
| UTU72086A | 430133073500S1 | 1-33 | NWSE | 1 | 9S | 16E | WIW | UTU52013 | EQUITABLE RESOURCES ENER |
| UTU72086A | 430133073600S1 | 1-34 | SWSE | 1 | 9S | 16E | POW | UTU52013 | EQUITABLE RESOURCES ENER |
| UTU72086A | 430133073400S1 | 1-43 | NESE | 1 | 9S | 16E | POW | UTU52013 | EQUITABLE RESOURCES ENER |
| UTU72086A | 430133136200S1 | 11-6 | L4 | 6 | 9S | 17E | WIW | UTU020252A | EQUITABLE RESOURCES ENER |
| UTU72086A | 430133149200S1 | 11-7J | NWNW | 7 | 9S | 17E | WIW | UTU44426 | EQUITABLE RESOURCES ENER |
| UTU72086A | 430133088900S1 | 12-1 | NWNE | 12 | 9S | 16E | POW | UTU44426 | EQUITABLE RESOURCES ENER |
| UTU72086A | 430133141700S1 | 12-11J | SWNW | 11 | 9S | 16E | WIW | UTU096550 | EQUITABLE RESOURCES ENER |
| UTU72086A | 430133141000S1 | 12-12J | SWNW | 12 | 9S | 16E | WIW | UTU096550 | EQUITABLE RESOURCES ENER |
| UTU72086A | 430133061100S1 | 12-5 | SWNW | 5 | 9S | 17E | POW | UTU020252 | EQUITABLE RESOURCES ENER |
| UTU72086A | 430133058200S1 | 12-6 | SWNW | 6 | 9S | 17E | POW | UTU020252A | EQUITABLE RESOURCES ENER |
| UTU72086A | 430133149300S1 | 12-7J | SWNW | 7 | 9S | 17E | POW | UTU44426 | EQUITABLE RESOURCES ENER |
| UTU72086A | 430131579000S1 | 13-11J | NWSW | 11 | 9S | 16E | POW | UTU096547 | EQUITABLE RESOURCES ENER |
| UTU72086A | 430133137000S1 | 13-5 | NWSW | 5 | 9S | 17E | WIW | UTU020252 | EQUITABLE RESOURCES ENER |
| UTU72086A | 430133091800S1 | 13-6 | NWSW | 6 | 9S | 17E | WIW | UTU020252A | EQUITABLE RESOURCES ENER |
| UTU72086A | 430133137400S1 | 14-11 | SWSW | 11 | 9S | 16E | WIW | UTU096547 | EQUITABLE RESOURCES ENER |
| UTU72086A | 430133141100S1 | 14-12J | SWSW | 12 | 9S | 16E | WIW | UTU035521A | EQUITABLE RESOURCES ENER |
| UTU72086A | 430133138500S1 | 14-5 | SWSW | 5 | 9S | 17E | POW | UTU020252 | EQUITABLE RESOURCES ENER |
| UTU72086A | 430131511200S1 | 2 | NWSE | 12 | 9S | 16E | POW | UTU035521 | EQUITABLE RESOURCES ENER |
| UTU72086A | 430131579300S1 | 2 | NWNE | 14 | 9S | 16E | POW | UTU096550 | EQUITABLE RESOURCES ENER |
| UTU72086A | 430133060300S1 | 2-1 | L1 | 1 | 9S | 16E | POW | UTU33992 | EQUITABLE RESOURCES ENER |
| UTU72086A | 430133140600X1 | 21-12J | NENW | 12 | 9S | 16E | ABD | UTU096550 | EQUITABLE RESOURCES ENER |
| UTU72086A | 430133142100S1 | 21-14J | NENW | 14 | 9S | 16E | WIW | UTU096547 | EQUITABLE RESOURCES ENER |
| UTU72086A | 430133142200X1 | 21-15J | NENW | 15 | 9S | 16E | ABD | UTU017985 | EQUITABLE RESOURCES ENER |
| UTU72086A | 430133061200S1 | 21-5 | NENW | 5 | 9S | 17E | POW | UTU020252 | EQUITABLE RESOURCES ENER |
| UTU72086A | 430133058400S1 | 21-6 | L3 | 6 | 9S | 17E | POW | UTU020252A | EQUITABLE RESOURCES ENER |
| UTU72086A | 430131579600S2 | 22-12J | SESW | 12 | 9S | 16E | POW | UTU096550 | EQUITABLE RESOURCES ENER |
| UTU72086A | 430133063400S1 | 22-15 | SESW | 15 | 9S | 16E | POW | UTU017985 | EQUITABLE RESOURCES ENER |
| UTU72086A | 430133138400S1 | 22-5 | SESW | 5 | 9S | 17E | WIW | UTU020252 | EQUITABLE RESOURCES ENER |
| UTU72086A | 430133091900S1 | 22-6 | SESW | 6 | 9S | 17E | WIW | UTU020252A | EQUITABLE RESOURCES ENER |
| UTU72086A | 430133136900S1 | 23-11 | NESW | 11 | 9S | 16E | WIW | UTU096550 | EQUITABLE RESOURCES ENER |
| UTU72086A | 430133137300S1 | 23-15 | NESW | 15 | 9S | 16E | WIW | UTU017985 | EQUITABLE RESOURCES ENER |
| UTU72086A | 430133138300S1 | 23-5 | NESW | 5 | 9S | 17E | POW | UTU020252 | EQUITABLE RESOURCES ENER |
| UTU72086A | 430133055800S1 | 23-6 | NESW | 6 | 9S | 17E | POW | UTU020252A | EQUITABLE RESOURCES ENER |
| UTU72086A | 430133140900S1 | 24-12J | SESW | 12 | 9S | 16E | POW | UTU035521A | EQUITABLE RESOURCES ENER |
| UTU72086A | 430133063100S1 | 24-15 | SESW | 15 | 9S | 16E | POW | UTU017985 | EQUITABLE RESOURCES ENER |
| UTU72086A | 430133137500S1 | 24-5 | SESW | 5 | 9S | 17E | WIW | UTU020252 | EQUITABLE RESOURCES ENER |
| UTU72086A | 430133136300S1 | 24-6 | SESW | 6 | 9S | 17E | WIW | UTU020252A | EQUITABLE RESOURCES ENER |
| UTU72086A | 430131579100S1 | 3 | NWNW | 14 | 9S | 16E | POW | UTU096547 | EQUITABLE RESOURCES ENER |
| UTU72086A | 430133061300S1 | 31-15 | NWNE | 15 | 9S | 16E | POW | UTU017985 | EQUITABLE RESOURCES ENER |

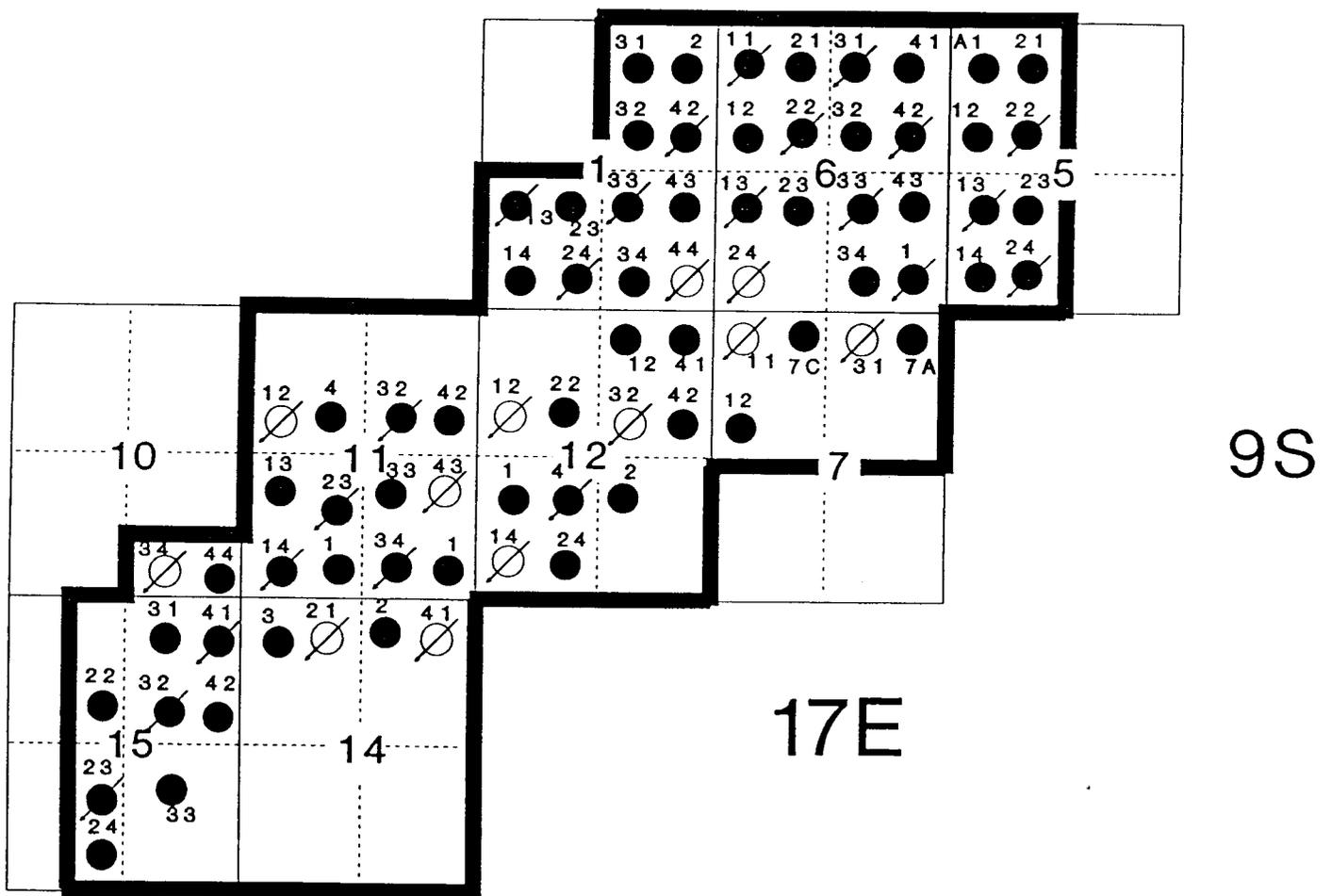
WELL STATUS REPORTS
UTAH STATE OFFICE

| 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% |
|--|

OPERATOR CHANGE WORKSHEET

| Routing | |
|---------|--------|
| 1-HEC | 6-SLR |
| 2-CLH | 7-KAS |
| 3-DTS | 8-SI |
| 4-VLD | 9-FILE |
| 5-IPB | |

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

WELL(S) attach additional page if needed: ***JONAH (GREEN RIVER) UNIT**

| | | | | | | |
|-------------------------------|--------------------------|---------------|---------|---------|---------|--------------|
| Name: **SEE ATTACHED** | API: <u>43-013-20582</u> | Entity: _____ | S _____ | T _____ | R _____ | Lease: _____ |
| Name: _____ | API: _____ | Entity: _____ | S _____ | T _____ | R _____ | Lease: _____ |
| Name: _____ | API: _____ | Entity: _____ | S _____ | T _____ | R _____ | Lease: _____ |
| Name: _____ | API: _____ | Entity: _____ | S _____ | T _____ | R _____ | Lease: _____ |
| Name: _____ | API: _____ | Entity: _____ | S _____ | T _____ | R _____ | Lease: _____ |
| Name: _____ | API: _____ | Entity: _____ | S _____ | T _____ | R _____ | Lease: _____ |

OPERATOR CHANGE DOCUMENTATION

- 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) * UIC/Que No Pro 1-14-98 & UIC/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

- Y 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no. If entity assignments were changed, attach copies of Form 6, Entity Action Form.
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 Y 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 Y 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.
- NA 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated 19 , of their responsibility to notify all interest owners of this change.

FILMING

- Y 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/SF 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 | Jonah (62) Unit | |
| ✓ ALLEN FEDERAL 32-6 4301330559 11492 09S 17E 6 | GRRV | | | " | | |
| ✓ ALLEN FEDERAL 41-6 4301330581 11492 09S 17E 6 | GRRV | | | " | | |
| ✓ ALLEN FEDERAL 42-6 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**

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 FEDERAL 12-6

9. API Well No.
43-013-30582

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

11. County or Parish, State
DUCHESNE COUNTY, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
INLAND PRODUCTION COMPANY

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

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)
1980 FNL 0604 FWL SW/NW Section 6, T09S R17E

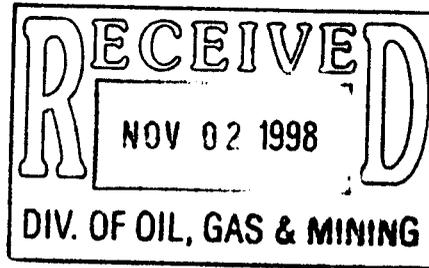
12. **CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

| 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 Site Security |
| | <input type="checkbox"/> Change of Plans |
| | <input type="checkbox"/> New Construction |
| | <input type="checkbox"/> Non-Routine Fracturing |
| | <input type="checkbox"/> Water Shut-Off |
| | <input type="checkbox"/> Conversion to Injection |
| | <input type="checkbox"/> Dispose Water |

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

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

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



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

Signed *Rebbie 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

Inond Production Company

Site Facility Diagram

Allen Federal 12-6

SW/NW Sec. 6, T9S, 17E

Duchesne County

May 12, 1998

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

Production Phase:

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

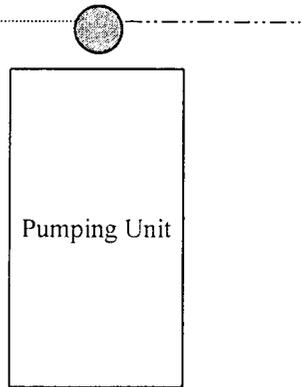
Sales Phase:

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

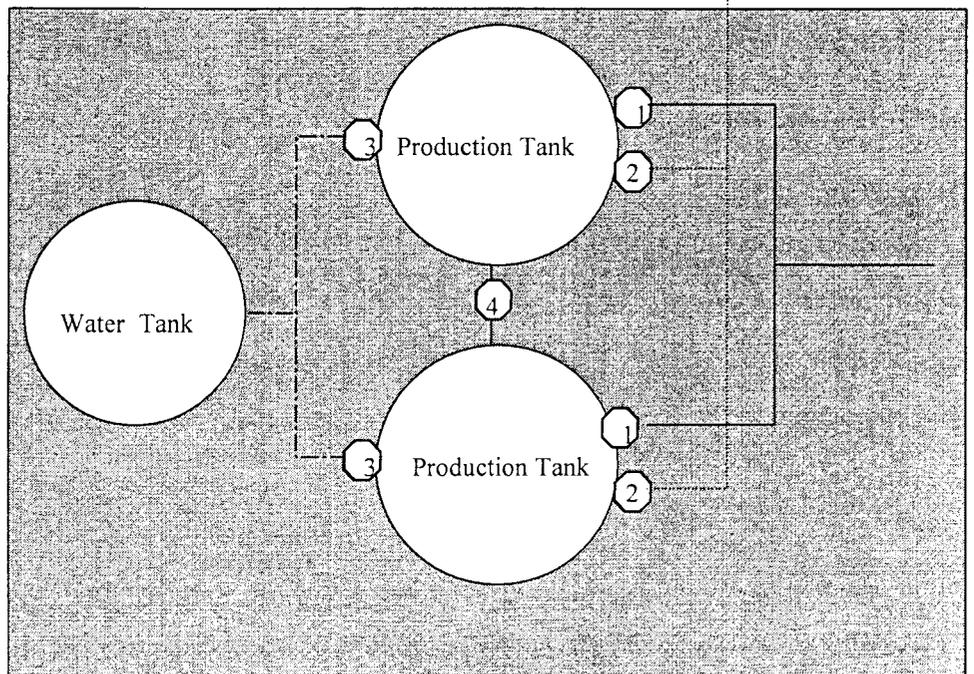
Draining Phase:

- 1) Valve 3 open

Gas Sales Meter



Diked Section



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



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

OPERATOR CHANGE WORKSHEET

ROUTING

| |
|---------|
| 1. GLH |
| 2. CDW |
| 3. FILE |

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change

Merger

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

9/1/2004

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

CA No.

Unit:

JONAH (GREEN RIVER)

WELL(S)

| NAME | SEC | TWN | RNG | API NO | ENTITY NO | LEASE TYPE | WELL TYPE | WELL STATUS |
|---------------------|-----|------|------|------------|-----------|------------|-----------|-------------|
| FEDERAL 2-1 | 01 | 090S | 160E | 4301330603 | 11492 | Federal | OW | P |
| GOATES FED 1 | 11 | 090S | 160E | 4301315789 | 11492 | Federal | OW | P |
| MONUMENT FED 13-11J | 11 | 090S | 160E | 4301315790 | 11492 | Federal | OW | S |
| WALTON FED 1 | 11 | 090S | 160E | 4301315792 | 11492 | Federal | OW | P |
| WALTON FED 4 | 11 | 090S | 160E | 4301315795 | 11492 | Federal | OW | P |
| MONUMENT FED 42-11J | 11 | 090S | 160E | 4301330066 | 11492 | Federal | OW | P |
| C&O GOVT 1 | 12 | 090S | 160E | 4301315111 | 11492 | Federal | OW | P |
| C&O GOVT 2 | 12 | 090S | 160E | 4301315112 | 11492 | Federal | OW | P |
| MONUMENT FED 22-12J | 12 | 090S | 160E | 4301315796 | 11492 | Federal | OW | P |
| GOATES FED 3 | 14 | 090S | 160E | 4301315791 | 11492 | Federal | OW | P |
| WALTON FED 2 | 14 | 090S | 160E | 4301315793 | 11492 | Federal | OW | P |
| ALLEN FED A-1 | 05 | 090S | 170E | 4301315780 | 11492 | Federal | WI | A |
| ALLEN FED 1-6 | 06 | 090S | 170E | 4301315779 | 11492 | Federal | WI | A |
| ALLEN FED 23-6 | 06 | 090S | 170E | 4301330558 | 11492 | Federal | OW | P |
| ALLEN FED 32-6 | 06 | 090S | 170E | 4301330559 | 11492 | Federal | OW | P |
| ALLEN FED 41-6 | 06 | 090S | 170E | 4301330581 | 11492 | Federal | OW | P |
| ALLEN FED 12-6 | 06 | 090S | 170E | 4301330582 | 11492 | Federal | OW | P |
| ALLEN FED 43-6 | 06 | 090S | 170E | 4301330583 | 11492 | Federal | OW | P |
| ALLEN FED 21-6 | 06 | 090S | 170E | 4301330584 | 11492 | Federal | OW | P |
| ALLEN FED 34-6 | 06 | 090S | 170E | 4301330586 | 11492 | Federal | OW | P |
| | | | | | | | | |
| | | | | | | | | |

K

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

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

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

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

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

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

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

DATA ENTRY:

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

FEDERAL WELL(S) BOND VERIFICATION:

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

INDIAN WELL(S) BOND VERIFICATION:

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

FEE & STATE WELL(S) BOND VERIFICATION:

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

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

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8

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

DEC 23 2008

RECEIVED

DEC 29 2008

DIV. OF OIL, GAS & MINING

Ref: 8P-W-GW

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
Corrective Action Required

UIC Permit No. UT20642-00000

Well ID: UT20642-08199

Federal 12-6-9-17

1980' FNL & 604' FWL

SW NW Sec. 6 T9S-R17E

Duchesne County, Utah

API #43-013-30582

Dear Mr. Sundberg:

The Newfield Production Company's request to convert the former Green River Formation oil well Federal 12-6-9-17 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 3742 feet and the top of the Wasatch Formation, estimated at 6130 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) **radioactive tracer survey** within a 180-day authorization to inject, and at least once every five years after the last successful test, and (4) a **completed EPA Form No. 7520-12 (Well Rework Record)** with a new schematic diagram.

The initial Maximum Allowable Injection Pressure (MAIP) for the Federal 12-6-9-17 was determined to be **1420 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,



 Eddie A. Sierra
Acting 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 Federal 12-6-9-17.

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

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, Acting Environmental Director
GAP-106
Ute Indian Tribe

Gil 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 August 7, 2008, the permittee provided notice to the Director concerning the following additional enhanced recovery injection well:

| | |
|---------------------|---|
| Well Name: | <u>Federal 12-6-9-17</u> |
| EPA Well ID Number: | <u>UT 20642-08199</u> |
| Location: | 1980' FNL & 604' FWL SW NW Sec. 6 T9S-R17E Duchesne County, Utah API #43-013-30582 |

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: **DEC 23 2008**



Eddie A. Sierra
*Acting 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

Authorization for Additional Well: UIC Area Permit UT20642-00000
Well: Federal 12-6-9-17 EPA Well ID: UT20642-08199

WELL-SPECIFIC REQUIREMENTS

Well Name: Allen Federal 12-6-9-17
EPA Well ID Number: UT20642-08199

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. radioactive tracer survey within a 180-day authorization to inject, and at least once every five years after the last successful test;
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 [3742 feet (KB)] to the top of the Wasatch Formation, which is estimated to be at a depth of 6130 feet (KB).

Maximum Allowable Injection Pressure (MAIP): The initial MAIP is 1420 psig, based on the following calculation:

$$\begin{aligned} \text{MAIP} &= [\text{FG} - (0.433)(\text{SG})] * \text{D}, \text{ where} \\ \text{FG} &= 0.770 \text{ psi/feet} \quad \text{SG} = 1.015 \quad \text{D} = \underline{4302 \text{ feet}} \quad (\text{top perforation depth KB}) \\ \text{MAIP} &= \underline{1420 \text{ psig}} \end{aligned}$$

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: The cement bond log (CBL) indicates that cement does not meet minimum requirements needed to demonstrate zone isolation (at least 18 feet of continuous 80% cement bond index, or better) through the Confining Zone. Therefore, testing for Part II mechanical integrity (MI) will be required prior to injection and at least once every five years thereafter. The demonstration shall be by Radioactive Tracer Survey, as noted above, or another approved test. Approved tests for demonstrating Part II MI include a Radioactive Tracer Survey, Temperature Survey, Noise Log or Oxygen Activation Log.

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 seven (7) wells, that penetrate the confining zone within or proximate to a ¼ mile radius around the Federal 12-6-9-17, were evaluated to determine if any corrective action is necessary to prevent fluid movement into USDW:

movement out of the injection zone.

In addition, Newfield developed a corrective action monitoring program, effective July 10, 2008, entitled "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".

If possible fluid movement out of the Injection Zone is identified, either through the weekly monitoring, through Newfield's July 10, 2008 procedure described above, or through any other means, (for example, evidence of fluid flow or increased bradenhead annulus pressure readings, the Permittee will shut in the Allen Federal 23-6-9-17 well immediately and notify the Director. No injection into the Allen Federal 23-6-9-17 well will be permitted until the Permittee has notified the Director that the situation has been resolved, submitted Rework Records (EPA Form 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 Federal 12-6-9-17 prior to injection and at least once every five years thereafter.

EPA reviewed the CBL and determined the cement through the confining zone is not sufficient to provide an effective barrier to significant upward movement of fluids through vertical channels adjacent to the well bore. Therefore, pursuant to 40 CFR §146.8(a)(2), **the Permittee shall conduct a Part II (External) MI Test within a 180-day period of "Limited Authorization to Inject."** A Part II (External) MI Test shall be run at least once every five (5) years thereafter. The demonstration shall be by Radioactive Tracer Survey, as noted above, or another approved test. Approved tests for demonstrating Part II MI include a Radioactive Tracer Survey, Temperature Survey, Noise Log or Oxygen Activation Log.

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

Plugging and Abandonment: The well shall be plugged in a manner that isolates the injection zone and prevents movement of fluids into or between USDWs 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:

Authorization for Additional Well: UIC Area Permit UT20642-00000
Well: Federal 12-6-9-17 EPA Well ID: UT20642-08199

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 3050 ft. (KB) (unless pre-existing backside cement precludes cement-squeezing this interval), followed by a minimum 175-foot balanced cement plug inside the 5-1/2" casing across the Trona Zone and the Mahogany Shale, from approximately 2875 ft. (KB) to 3050 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 1459 ft. (KB) and 1579 ft. (KB) (unless pre-existing cement precludes cement-squeezing this interval), followed by a minimum 120-foot balanced plug inside the 5-1/2" casing across the base of the Uinta Formation, from approximately 1459 ft. (KB) to 1579 ft. (KB).

PLUG NO. 4: Seal Surface: Set a Class "G" cement plug within the 5-1/2" casing to 324 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: **Federal 12-6-9-17**
EPA Well ID Number: **UT20642-08199**

Underground Sources of Drinking Water (USDWs): USDWs in the Pleasant Valley 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 152 feet below ground surface (164 ft. KB) in the Federal 12-6-9-17.

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: 17,591 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.

Aquifer Exemption is **not** required because the total dissolved solids (TDS) of the Green River Formation water is 17,591 mg/l.

Confining Zone: The Confining Zone, which directly overlies the Garden Gulch Member of the Green River Formation, is approximately 186 feet of shale between the depths of 3556 ft. and 3742 ft. (KB).

Injection Zone: The Injection Zone at this well location is approximately 2388 ft. of multiple lenticular sand units interbedded with shale, marlstone and limestone from the top of the Garden Gulch Member at 3742 ft. (KB) to the top of the Wasatch Formation which is estimated to be at 6130 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 **does not show** 80% or greater cement bond index in the Confining Zone. Thus, demonstration of Part II Mechanical Integrity is required.

Surface Casing: 8-5/8" casing is set at 274 ft. (KB) in a 12-1/4" hole, using 210 sacks Class H cement.

Longstring Casing: 5-1/2" casing is set at 6290 ft. (KB) in a 7-7/8" hole secured with 420 sacks of Class G cement and 655 sxs RFC. Total drilled depth is 6300 ft., and plugged back total depth is 6203 ft. EPA calculates top of cement at the surface. Estimated CBL top of cement is 680 ft (KB).

Perforations: Top perforation: **4302 ft.** (KB) Bottom perforation: **5676 ft.** (KB)

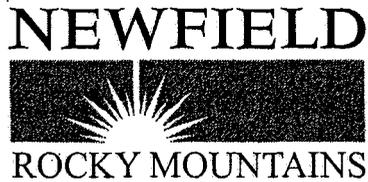
Wells in Area of Review (AOR): Construction and cementing records, including CBLs for seven (7) wells in the 1/4 mile AOR that penetrated the Confining Zone, were reviewed. One of the seven (7) wells in the AOR will require Corrective Action.

Wells Requiring Corrective Action:

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: Federal 13-6-9-17 | NW SW | Sec. 6-T9S-R17E |
| Well: Federal 22-6-9-17 | SE NW | Sec. 6-T9S-R17E |
| Well: Federal G-6-9-17 | NW NW | Sec. 6-T9S-R17E |
| Well: Federal J-1-9-16 | NE NE | Sec. 1-T9S-R16E |
| Well: Federal 42-1J-9-16 | SE NE | Sec. 1-T9S-R16E |
| Well: Federal 11-6-9-17 | NW NW | Sec. 6-T9S-R17E |



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.



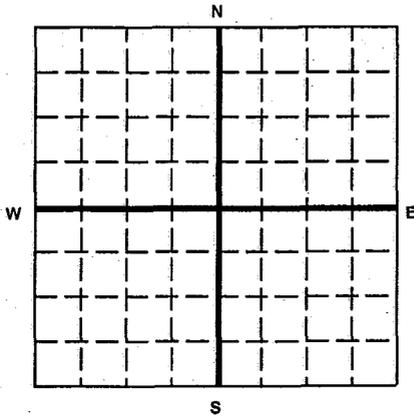
United States Environmental Protection Agency
Washington, DC 20460

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

Locate well in two directions from nearest lines of quarter section and drilling unit

Surface
 Location ft. frm (N/S) Line of quarter section
 and ft. from (E/W) 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"/> | TYPE OF PERMIT <input type="checkbox"/> Individual <input type="checkbox"/> Area Number of Wells <input type="text"/> Well Number <input type="text"/> |
| | Total Depth After Rework <input type="text"/> | |
| | Date Rework Commenced <input type="text"/> | |
| | Date Rework Completed <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) <input type="text"/> | Signature <input type="text"/> | Date Signed <input type="text"/> |
|--|-----------------------------------|-------------------------------------|

Allen Federal #12-6-9-17

Spud Date: 12/31/81
 Put on Production: 2/20/82
 ✓ GL: 5352' KB: 5366' H'

Wellbore Diagram

Initial Production: 190 STBOPD,
 75 MCFD, 39 STBOPD

SURFACE CASING

STRING: 1
 CSG SIZE: 8 5/8" ✓
 GRADE: K-55 ✓
 WEIGHT: 24 lbs. ✓
 LENGTH: 7 jts. @ 260'
 DEPTH LANDED: 270' KB *274' per well completion report.*
 HOLE SIZE: 12 1/4"
 CEMENT DATA: 210 sx, Class-H.
 Cement to surface.

EPA TOC calc @ surface

PRODUCTION CASING

STRING: 1
 SIZE: 5 1/2"
 GRADE: K-55, LT&C
 WEIGHT: 15.5 lbs.
 LENGTH: 6280'
 DEPTH LANDED: ✓ 6290' KB
 HOLE SIZE: 7 7/8"
 CEMENT DATA: 420 sx, Class-G.
 655 sx, RFC.
 CEMENT TOP AT: 680' KB from CBL. ✓

TUBING RECORD

SIZE/GRAD: ✓ 2 3/8", J-55, 4.7 lbs.
 NO. OF JOINTS: 136 jts. @ 4234.02'
 TUBING ANCHOR: 5-1/2" @ 4248.02'
 NO. OF JOINTS: 47 jts. @ 1451.15'
 SEATING NIPPLE: 2 3/8" x 1.10"
 SN LANDED AT: 5703' KB
 PERF. SUB: 2 3/8" x 4.20"
 NO. OF JOINTS: 1 jt. @ 33.10'
 TOTAL STRING LENGTH: EOT @ 5740.32' KB

SUCKER RODS

POLISHED RODS: 1-1 1/4" x 22'
 SUCKER RODS: 1 - 4' & 2 - 2' X 3/4" pony rods, 93-3/4" guided rods, 114-3/4" plain rods, 15-3/4" guided rods, 4 - 1 1/4" weight bars
 PUMP SIZE: 2" x 1 1/4" x 16" RHAC Axelson pump
 STROKE LENGTH: 74"
 PUMP SPEED, SPM: 7 SPM

LOGS: Cement Bond, Dual Induction-SFL, Compensated Neutron-Formation Density, Cyberlook.

*No 80% bond in C.Z.
 ⇒ Requires demon.
 Part II MI*

FRAC JOB

4302'- 4326' Frac w/Halliburton on 2-10-82.
 36,000 gal Ver 1400 fluid w/40,000 lbs 20-40 mesh sand & 10,000 lbs 10-20 mesh sand, Avg 20 BPM @ 1800 psig, max. @ 2200 psig, ISIP @ 1800 psig, 15 min @ 1540 psig, 20 min @ 1520 psig.
 4780'- 4788' Frac w/Western on 9-9-93.
 11,718 gal Viking I-35# w/23,800 lbs 16-30 mesh sand, Avg 12 BPM @ 4200 psig, max @ 5000 psig, ISIP @ 2180 psig, 5 min @ 1720 psig, 10 min @ 1620 psig, 15 min @ 1560 psig.
 4832'- 4851' Frac w/Halliburton on 2-9-82.
 31,000 gal Ver 1400 fluid w/40,000 lbs 20-40 mesh sand & 10,000 lbs 10/20 sand. Avg treating pressure 1950 psig, max. @ 2150 psig, ISIP @ 1950 psig, 15 min @ 1780 psig, 20 min @ 1770 psig.
 5051'- 5055' Frac w/Western on 9-9-93.
 8,190 gal Viking I 35# w/8,000 lbs 16-30 mesh sand, Avg 10.5 BPM @ 4700 psig, max @ 4900 psig, ISIP @ 1930 psig, 5 min @ 1900 psig, 10 min @ 1870 psig, 15 min @ 1860 psig.
 5280'- 5301' Frac w/Halliburton on 2-8-82.
 31,000 gal Ver 1400 fluid w/40,000 lbs 20-40 mesh sand & 10,000 lbs 10-20 mesh sand, Avg 20 BPM @ 1800 psig; max. @ 2700 psig, ISIP @ 2070 psig, 15 min @ 1920 psig, 20 min @ 1900 psig.
 5665'- 5676' Frac w/Halliburton on 2-7-82.
 36,000 gal Ver 1400 fluid w/40,000 lbs 20-40 mesh sand & 10,000 lbs 10-20 mesh sand, Avg 15 BPM @ 1700 psig, max. @ 2400 psig, ISIP @ 1930 psig, 15 min @ 1750 psig, 20 min @ 1720 psig.

9/30/02 Pump change. Update rod and tubing details.

164' Base USDW (Pub 92)
1519' Top Green River
2926' Top Trona / Bird's Nest
2982' Top Mahogany Bench (2982' - 3002')

ACID JOB

4302'- 4326' 2500 gal 15% HCl Acid
 4832'- 4851' 2000 gal 15% HCl Acid
 5280'- 5301' 2000 gal 15% HCl Acid
 5665'- 5676' 1000 gal 15% HCl Acid

3556' Top Confining Zone (shale)
3742' Top Garden Gulch.

PERFORATION RECORD

✓ 4302'- 4326' (24') 49 Holes YELLOW
 4780'- 4788' (8') 32 Holes RED1 (Added 9-8-93)
 ✓ 4832'- 4851' (19') 39 Holes RED2
 5051'- 5055' (4') 8 Holes GREEN1 (Added 9-8-93)
 ✓ 5280'- 5301' (21') 43 Holes GREEN5
 ✓ 5665'- 5676' (11') 23 Holes BLUE

SN @ 5703'

EOT @ 5740'

PBTD @ 6203'

SHOE: 6292'

TD @ 6300' ✓

6010' Top Basal Carbonate
6130' Top wasatch.

NEWFIELD

Allen Federal #12-6-9-17
 1980' FNL 604' FWL
 SW/NW Section 6-T9S-R17E
 Duchesne Co, Utah
 API #43-013-30582; Lcase #UTU-020252A

Allen Federal #12-6-9-17

Spud Date: 12/31/81
 Put on Production: 2/20/82
 GL: 5352' KB: 5366'

Initial Production: 190 STBOPD,
 75 MCFD, 39 STBOPD

Proposed P & A Wellbore Diagram

SURFACE CASING

STRING: 1
 CSG SIZE: 8 5/8"
 GRADE: K-55
 WEIGHT: 24 lbs.
 LENGTH: 7 jts. @ 260'
 DEPTH LANDED: 270' KB 274'
 HOLE SIZE: 12 1/4"
 CEMENT DATA: 210 sx, Class-H, Cement to surface.

Plug 4 - surface to 324'

Circulate 100 sx Class "G" Cement down 5-1/2" casing and up the 5-1/2" x 8-5/8" annulus

Casing Shoe @ 270'

Perforate 4 JSPP @ ~~220~~ 324'

PRODUCTION CASING

STRING: 1
 SIZE: 5 1/2"
 GRADE: K-55, LT&C
 WEIGHT: 15.5 lbs.
 LENGTH: 6280'
 DEPTH LANDED: 6290' KB
 HOLE SIZE: 7 7/8"
 CEMENT DATA: 420 sx, Class-G, 655 sx, RFC.
 CEMENT TOP AT: 680' KB from CBL.

Plug 3 - From 1459' - 1571'

Cement Top @ 680'

1519' Top Green River

2926' Top Tiona

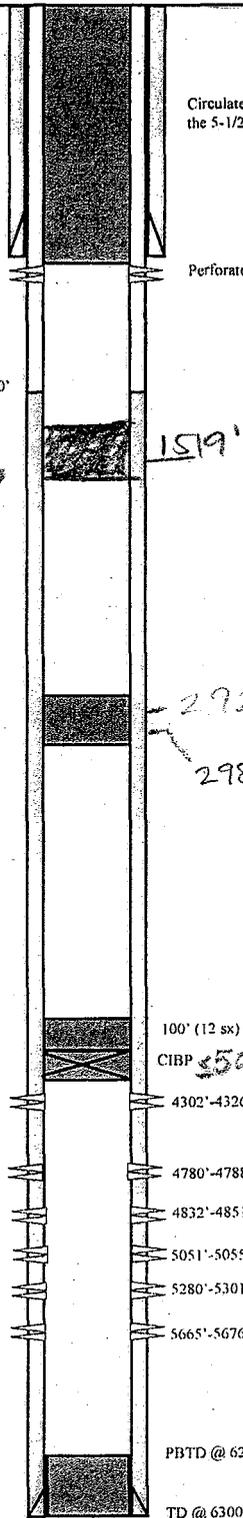
2982' Top Mahogany Bench (2982' - 3002')

Plug 2 -

From 2875' to 3050'

Plug 1 - Cast iron bridge plug to more than 50' above top perfs w/ 20' cement on top.

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



NEWFIELD

Allen Federal #12-6-9-17
 1980' FNL 604' FWL
 SW/NW Section 6-T9S-R17E
 Duchesne Co, Utah
 API #43-013-30582; Lease #UTU-020252A



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8

1595 Wynkoop Street

DENVER, CO 80202-1129

Phone 800-227-8917

<http://www.epa.gov/region08>

JUN 09 2010

Ref: 8P-W-GW

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: Underground Injection Control (UIC)
Additional Well to Jonah Area Permit
EPA UIC Permit UT20642-08199
Well: Allen Federal 12-6-9-17
SWNW Sec. 6 T9S-R17E
Duchesne County, Utah
API No.: 43-013-30582

Dear Mr. Sundberg:

The Environmental Protection Agency Region 8 (EPA) hereby re-authorizes Newfield Production Company (Newfield) to convert the oil well Allen Federal 12-6-9-17 to an enhanced recovery injection well according to the terms and conditions of the enclosed revised Authorization for Additional Well. The original authorization dated December 23, 2008, was effective for one-year and had expired. The addition of this 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 well injection until all Prior to Commencing Injection requirements are met and written authorization to inject is given by the Director. Prior to receiving authorization to inject, Newfield must submit for review and approval (1) the results of a Part I (internal) Mechanical Integrity test, (2) a pore pressure calculation of the injection interval, and (3) a completed EPA Form No. 7520-12 (Well Rework Record) with a new schematic diagram.

RECEIVED
JUN 17 2010

DIV. OF OIL, GAS & MINING

If you have any questions, please call Tom Aalto at (303) 312-6949 or 1-(800)-227-8917 (Ext. 312-6949). Please submit the required data to Jason Deardorff at the letterhead address citing mail code 8P-W-GW.

Sincerely,



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

Enclosures: Authorization for Additional Well
Annotated Wellbore and P&A Diagrams

cc Letter Only:

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

Daniel Picard
BIA - Uintah & Ouray Indian Agency

cc All Enclosures:

Ferron Secakuku
Director, Natural Resources
Ute Indian Tribe

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

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

FOR RECORD ONLY

Fluid Minerals Engineering Office
BLM - Vernal Office

Michael Guinn
District Manager
Newfield Production Company
Myton, Utah



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8

1595 WYNKOOP STREET

DENVER, CO 80202-1129

Phone 800-227-8917

<http://www.epa.gov/region08>

AUTHORIZATION FOR ADDITIONAL WELL

UIC Area Permit UT20642-00000

The Jonah Unit Final UIC Area Permit UT20642-00000, effective December 22, 1992, authorizes injection for the purpose of enhanced oil recovery in the Jonah Unit. On August 7, 2008, Newfield Production Company notified the Director concerning the following additional enhanced recovery injection well:

| | |
|-----------------------|--|
| Well Name: | Allen Federal 12-6-9-17 |
| EPA Permit ID Number: | UT20642-08199 |
| Location: | 1980' FNL & 604' FWL SWNW Sec. 6 T9S-R17E Duchesne County, Utah API #43-013-30582 |

Pursuant to 40 CFR §144.33, Area UIC Permit 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. The original UIC authorization for this well dated December 23, 2008, has expired. On April 12, 2010, Newfield re-applied for UIC authorization for this well. EPA has revised and is re-issuing this authorization.

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

This Authorization is effective upon signature.

Date: **JUN 09 2010**

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*

Authorization for Additional Well: UIC Area Permit UT20642-00000
Well: Allen Federal 12-6-9-17 EPA Well ID: UT20642-08199

INJECTION WELL-SPECIFIC REQUIREMENTS

Well Name: **Allen Federal 12-6-9-17**
EPA Well ID Number: **UT20642-08199**

Prior to Commencing Injection Operations, the permittee shall submit the following information:

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

Once these records are received and approved by EPA, the Director will provide written authorization to inject for a limited period of 180 days, during which time a Radioactive Tracer Survey (RTS) is required. A successful RTS will be considered valid at injection pressures up to the MAIP until one of the following events occurs, at which time a subsequent RTS is required:

- a) If the submitted RTS is determined to be inconclusive or inadequate by EPA,
- b) If the MAIP of the injection well is exceeded for any reason (*It is a violation to exceed the MAIP without prior EPA approval*),
- c) If new injection perforations are added to the injection well, either through the creation of new perforations or the adjustment of the packer depth to inject into a set of existing perforations that were previously inactive,
- d) If the injection formation is acid-treated, hydraulically stimulated, or stimulated by any other method through the injection well, that may affect the cement integrity of the well,
- e) If the Director requests that a RTS be run for any reason.

A submitted RTS which indicates the movement of fluid behind casing from the injection zone will result in a requirement to demonstrate part II mechanical integrity using an approved demonstration method such as a temperature log, oxygen activation log, or noise log at a frequency no less than once every five years.

Approved Injection Zone: Due to the absence of adequate cement through the previously established Areal Confining Zone (ACZ) located at approximately 3,556 feet (ft.) to 3,742 ft., injection in this well is limited to an interval from the base of a shale zone designated as Shale "B" at 4,060 ft. to the top of the Wasatch Formation at an estimated depth of 6,130 ft. The designated injection interval for this well is from 4,060 ft. to 6,130 ft.

Note: All depths given in this authorization reference the Kelly Bushing datum unless otherwise specified.

Maximum Allowable Injection Pressure (MAIP): The initial MAIP is 1,420 psig, based on the following calculation:

$$\text{MAIP} = [\text{FG} - (0.433)(\text{SG})] * \text{D}, \text{ where}$$
$$\text{FG} = 0.77 \text{ psi/ft.} \quad \text{SG} = 1.015 \quad \text{D} = 4,302 \text{ ft. (top perforation depth)}$$

Initial MAIP = 1,420 psig

FG = Fracture Gradient SG = Specific Gravity of Injectate (Maximum)

UIC Area Permit No. UT20642-00000 provides the opportunity for the permittee to request a change of the MAIP based upon the submitted results of a step rate test that demonstrates the formation parting pressure.

Well Construction: Casing and Cementing: The well was constructed in compliance with existing regulatory controls for casing and cementing pursuant to 40 CFR § 146.22(c). However, cementing records, including the Cement Bond Log (CBL), have not satisfactorily demonstrated the presence of adequate cement to prevent the migration of injection fluids behind the casing from the injection zone. An EPA-annotated wellbore diagram is attached.

Well Construction: Tubing and Packer: 2-3/8" or similar size injection tubing is approved. The packer shall be set at a depth no more than 100 ft. above the top perforation.

Demonstration of Mechanical Integrity:

- (1) A successful demonstration of part I (internal) mechanical integrity using a Casing-Tubing Annulus Pressure Test is required prior to injection, and no less than every five years after the last successful test.
- (2) Because the cementing records have not satisfactorily demonstrated the presence of adequate cement to prevent migration of injection fluids behind the casing from the injection zone, a RTS is required to confirm the presence of adequate cement. The RTS will supplement the cementing records, which show an insufficient interval of 80 percent cement bond index or greater through the confining zone, by demonstrating the presence or absence of adequate cement to prevent fluid movement behind the casing above the uppermost perforation. It is intended that a maximum of 180 days of injection will allow the injection zone to achieve the Maximum Allowable Injection Pressure (MAIP) for the purpose of executing the RTS. If 180 days is not sufficient to achieve the MAIP specified in the permit, an extension of the period of Limited Authorization to Inject may be requested. If the RTS is not run, or if the RTS does not confirm adequate cement, the permittee shall demonstrate Part II (external) Mechanical Integrity pursuant to 40 CFR §146.8(a)(2) using an approved test method such as temperature log, noise log or oxygen activation log, and the demonstration of Part II Mechanical Integrity shall be repeated no less than every five years after the last successful test.

Demonstration of Financial Responsibility: The applicant demonstrated financial responsibility by a Financial Statement in the amount of \$59,344 on August 7, 2008, which has been approved by EPA. The Director may revise the amount required, and may require the Permittee to obtain and provide updated estimates of costs for plugging the well according to the approved Plugging and Abandonment Plan.

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

- Plug No. 1: Set a cast iron bridge plug (CIBP) 50 ft. above the top injection zone perforations (at the time of this authorization, the top perforation is at 4,302 ft.). Set 100 ft. cement plug on top of the CIBP.
- Plug No. 2: Perforate and squeeze cement up the backside of the 5-1/2" casing across the Trona Zone and the Mahogany Bench oil shale in a 176-foot cement plug from 2,876 ft. to 3,052 ft. unless pre-existing backside cement precludes cement-squeezing this interval. Set a 176-foot cement plug inside the 5-1/2" casing from 2,876 ft. to 3,052 ft.
- Plug No. 3: Perforate and squeeze cement up the backside of the 5-1/2" casing across the contact between the Uinta Formation and Green River Formation at 1,519 ft., in a 120-foot cement plug from 1,459 ft. to 1,579 ft., unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 120-foot cement plug inside the 5-1/2" casing from 1,459 ft. to 1,579 ft.
- Plug No. 4: Perforate 5-1/2" casing at 324 ft. and squeeze cement up the 5-1/2"x 8-5/8" casing annulus to the surface. Set a cement plug within the 5-1/2" casing from a depth of 324 ft. to the surface.

An EPA-annotated wellbore Plugging and Abandonment Plan diagram is attached.

INJECTION WELL-SPECIFIC CONSIDERATIONS

Well Name: **Allen Federal 12-6-9-17**
EPA Well ID Number: **UT20642-08199**

Underground Sources of Drinking Water (USDWs): USDWs in the Greater Boundary Unit 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 ft. in this well.

Utah Division of Water Rights Information: According to the state website, <http://utstnrwrt6.waterrights.utah.gov/cgi-bin/wrplat.exe>, there are no known reservoirs, streams, domestic or agricultural water wells within one-quarter (1/4) mile of the well.

Composition of Source, Formation, and Injectate Water: The Total Dissolved Solids (TDS) content of water produced from the injection zone in the Green River Formation was determined to be 17,591 mg/l on July 24, 2008. Due to nearby injection activity for the purpose of enhanced oil recovery, this TDS value may not be representative of the original TDS content of formation waters at or near this well.

The TDS content of injectate was determined to be 4,278 mg/l on January 25, 2008. The injectate is water from a Boundary Injection Facility and consists of culinary water from the Johnson Water District blended with produced Green River Formation water.

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

Confining Zone: The established Areal Confining Zone (ACZ) (also known as the Administrative Confining Zone) directly overlies the Garden Gulch Member of the Green River Formation and is found between 3,556 ft. and 3,742 ft. in this well. However, the cement records show no adequate cement (80% cement bond index) behind casing across this interval. Therefore, the ACZ is not planned to be used as the confining zone for this well. To avoid the risks associated with cement-squeezing, two alternative Garden Gulch Member confining zones (below the ACZ) have been identified as follows:

Shale "A": 3,801 ft. to 3,919 ft. There is no adequate cement across Shale "A" according to CBL analysis. Therefore, Shale "A" is not planned to be used as the confining zone in this well.

Shale "B": 3,974 ft. to 4060 ft. Shale "B" is approximately 86 ft. in thickness. There is approximately 6 ft. of adequate cement (80 percent or greater cement bond index) across Shale "B" in the interval 4,034 ft. to 4,040 ft. While this is less than 18 ft. as recommended in EPA Region 8 guidance, it represents the best cement across a confining zone in this well. Also, the Permittee indicated in the permit application that the base of Shale "B" (top of the Garden Gulch #2) be used as the bottom of the confining zone (top of proposed injection zone). EPA is in agreement with that proposal as it represents a more conservative approach in this case. Therefore, EPA has determined that Shale "B" is the alternate confining zone for this well.

Authorization for Additional Well: UIC Area Permit UT20642-00000
Well: Allen Federal 12-6-9-17 EPA Well ID: UT20642-08199

Injection Zone: The injection zone for this well is in the Green River Formation from the base of Shale "B" at 4,060 ft., the top of the Garden Gulch #2, to the top of the Wasatch Formation at an estimated depth of approximately 6,130 ft. Due to the change in the designated confining zone, the injection zone has been limited to an interval from the base of Shale "B", at a depth of 4,060 ft. to the top of the Wasatch Formation, at an estimated depth of approximately 6,130 ft. The Permittee proposed in the permit application that the injection zone (interval) be lowered to the top of the Garden Gulch #2 (the base of Shale "B") at a depth of 4,060 ft. for this well. EPA is in agreement with that proposal as it represents a more conservative approach in this case. Also, this clarifies that the top of the Wasatch at 6,130 ft. (not a depth of 6,009 ft. as cited in the permit application) is used as the bottom of the injection zone. The injection zone at this well location consists of approximately 2,070 ft. of multiple lenticular sand units interbedded with shale, marlstone and limestone from the base of Formation tops are either submitted by the operator or are based on correlations to the Newfield Monument Butte Type Log.

Well Construction: The Cement Bond Log (CBL) for this well does not show a sufficient interval of continuous 80 percent or greater cement bond index through the ACZ (3,556 ft. to 3,742 ft.). However, there appears to be only six (6) feet of adequate cement in this well in Shale "B" in the interval 4,034 ft. - 4,040 ft. EPA Region 8 guidance calls for at least 18 ft. of adequate cement through the confining zone. A demonstration that well cement is adequate to prevent significant migration of injection fluids behind casing is therefore required.

Surface Casing: 8-5/8" casing is set at 274 ft. in a 12-1/4" hole, using 210 sacks of Class "H" Cement, cemented to the surface.

Longstring Casing: 5-1/2" casing is set at 6,290 ft. in a 7-7/8" hole secured with 420 sacks of Class "G" cement and 655 sacks of RFC cement. Total driller depth is 6,300 ft. Plugged back total depth is 6,203 ft. Cement Bond Log (CBL) shows top of cement is 680 ft.

Perforations: Top perforation: 4,203 ft. Bottom perforation: 5,676 ft.

Additional information concerning the well may be found on the state website:
<http://oilgas.ogm.utah.gov/>

Basis for Initial MAIP Calculation: The initial MAIP was calculated by EPA using the following input values for the fracture gradient and injectate specific gravity:

Fracture Gradient: A fracture gradient value of 0.77 psi/ft. was selected by EPA because it is the most conservative fracture gradient calculated for this well and for other nearby wells.

Specific Gravity: An injectate specific gravity value of 1.015 was selected by EPA because this value is the maximum expected specific gravity of injectate for the Boundary Field.

Well Plugging and Abandonment: As discussed in the EPA Region 8 guidance, wells should be plugged and abandoned in a manner to prevent migration of fluids in the wellbore into or between USDWs. The four (4) cement plugs required for this well are as follows:

Plug No. 1 is required to prevent migration of fluids out of the injection zone. It is believed that there are no USDWs below Plug No. 1.

Plug No. 2 is required because the interval of the Green River Formation, containing the Bird's Nest and Trona Members, is reported to contain USDWs in places in the Uinta Basin, and the Mahogany Bench Member is an oil shale resource that is also being protected under U.S. Bureau of Land Management (BLM) requirements.

Plug No. 3 is required across the Uinta Formation/Green River Formation contact to prevent flow between USDWs.

Plug No. 4 is required to prevent fluids from migrating from the surface or from below into shallow USDWs.

AREA OF REVIEW (AOR) WELL REQUIREMENTS

The following seven (7) wells that penetrate the area confining zone within or proximate to a ¼-mile radius around the Allen Federal 12-6-9-17 well were evaluated to determine if any corrective action is necessary to prevent fluid movement into USDWs:

| <u>AOR Well</u> | <u>API Number</u> | <u>Location</u> |
|------------------------|--------------------------|------------------------|
| Federal 13-6-9-17 | 43-013-30918 | NWSW Sec. 6 T9S-R17E |
| Federal 22-6-9-17 | 43-013-30919 | SENW Sec. 6 T9S-R17E |
| Federal G-6-9-17 | 43-013-33493 | NWNW Sec. 6 T9S-R17E |
| Federal J-1-9-16 | 43-013-33571 | NENE Sec. 1 T9S-R16E |
| Federal 42-1J-9-16 | 43-013-31404 | SENE Sec. 1 T9S-R16E |
| Federal 11-6-9-17 | 43-013-31362 | NWNW Sec. 6 T9S-R17E |
| Jonah Federal N-6-9-17 | 43-013-33500 | NWSW Sec. 6 T9S-R17E |

No Corrective Action Required for the Seven AOR Wells

As discussed below, no corrective action is being required for the seven (7) AOR wells because the wells are shown to have adequate cement to prevent fluid migration in the wellbores:

Federal 13-6-9-17

The Cement Bond Log (CBL) shows the Top of Cement (TOC) to be at approximately 1000 ft. The CBL also shows adequate cement (80 percent or greater cement bond index) across the entire ACZ.

Federal 22-6-9-17

The Cement Bond Log (CBL) shows the Top of Cement (TOC) to be at approximately 890 ft. The CBL also shows adequate cement (80 percent or greater cement bond index) across the entire ACZ.

Federal G-6-9-17

The Cement Bond Log (CBL) shows the Top of Cement (TOC) to be at approximately 34 ft. The CBL also shows adequate cement (80 percent or greater cement bond index) in the ACZ interval 3,714 ft. – 3,748 ft.

Federal J-1-9-16

The Cement Bond Log (CBL) shows the Top of Cement (TOC) to be at approximately 50 ft. The CBL also shows adequate cement (80 percent or greater cement bond index) in the ACZ interval 3,720 ft. – 3,772 ft.

Federal 42-1J-9-16

The well is permitted for injection by the Utah Dept of Oil, Gas, and Mining (UTDOGM). Part II Mechanical Integrity for this well was previously demonstrated and approved by the UTDOGM.

Federal 11-6-9-17

The well was previously permitted by EPA for injection (Permit No. UT20642-03734). The only CBL available for this well starts at 4,000 ft and does not include the ACZ. Shale "B" is at a depth interval of 4,000 ft. to 4,058 ft. and the CBL shows 26 ft. (4,002 ft. to 4,028 ft.) of 80% or greater cement bond index through this interval. Shale "B" effectively serves as the confining zone for this well, and was the interval that was determined to have adequate cement when the well was originally permitted. The TOC is estimated to be at 800 ft.

Jonah Federal N-6-9-17

The Cement Bond Log (CBL) shows the Top of Cement (TOC) to be at 340 ft. The CBL also shows 89 ft. of adequate cement (80 percent or greater cement bond index) in the ACZ interval 3,598 ft. to 3,795 ft.

REPORTING REQUIREMENTS

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 to EPA for review no later than 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 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 an underground source of drinking water.
- (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)** at: **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 weeks of the time such information became known.

Tom Aalto, EPA
 5/19/10

Allen Federal #12-6-9-17

Spud Date: 12/31/81
 Put on Production: 2/20/82
 GL: 5352' KB: 5366'

Initial Production: 190 STBOPD,
 75 MCFD, 39 STBOPD

Proposed Injection Wellbore Diagram

SURFACE CASING

STRING: 1
 CSG SIZE: 8 5/8"
 GRADE: K-55
 WEIGHT: 24 lbs.
 LENGTH: 7 jts. @ 260'
 DEPTH LANDED: 274' 270' KB
 HOLE SIZE: 12 1/4"
 CEMENT DATA: 210 sx, Class-H.
 Cement to surface.

PRODUCTION CASING

STRING: 1
 SIZE: 5 1/2"
 GRADE: K-55, LT&C
 WEIGHT: 15.5 lbs.
 LENGTH: 6280'
 DEPTH LANDED: 6290' KB
 HOLE SIZE: 7 7/8"
 CEMENT DATA: 420 sx, Class-G.
 655 sx, RFC.
 CEMENT TOP AT: 680' KB from CBL.

TUBING RECORD

SIZE/GRAD: 2 3/8", J-55, 4.7 lbs.
 NO. OF JOINTS: 136 jts. @ 4234.02'
 TUBING ANCHOR: 5-1/2" @ 4248.02'
 NO. OF JOINTS: 47 jts. @ 1451.15'
 SEATING NIPPLE: 2 3/8" x 1.10'
 SN LANDED AT: 5703' KB
 PERF. SUB: 2 3/8" x 4.20'
 NO. OF JOINTS: 1 jt. @ 33.10'
 TOTAL STRING LENGTH: EOT @ 5740.32' KB

FRAC JOB

4302'-4326' Frac w/Halliburton on 2-10-82.
 36,000 gal Ver 1400 fluid w/40,000 lbs 20-40 mesh sand & 10,000 lbs 10-20 mesh sand, Avg 20 BPM @ 1800 psig, max. @ 2200 psig, ISIP @ 1800 psig, 15 min @ 1540 psig, 20 min @ 1520 psig.
 4780'-4788' Frac w/Western on 9-9-83.
 11,718 gal Viking I-35# w/23,800 lbs 16-30 mesh sand, Avg 12 BPM @ 4200 psig, max @ 5000 psig, ISIP @ 2180 psig, 5 min @ 1720 psig, 10 min @ 1620 psig, 15 min @ 1560 psig.
 4832'-4851' Frac w/Halliburton on 2-9-82.
 31,000 gal Ver 1400 fluid w/40,000 lbs 20-40 mesh sand & 10,000 lbs 10/20 sand. Avg treating pressure 1950 psig, max. @ 2150 psig, ISIP @ 1950 psig, 15 min @ 1780 psig, 20 min @ 1770 psig.
 5051'-5055' Frac w/Western on 9-9-93.
 8,190 gal Viking I 35# w/8,000 lbs 16-30 mesh sand, Avg 10.5 BPM @ 4700 psig, max @ 4900 psig, ISIP @ 1930 psig, 5 min @ 1900 psig, 10 min @ 1870 psig, 15 min @ 1860 psig.
 5280'-5301' Frac w/Halliburton on 2-8-82.
 31,000 gal Ver 1400 fluid w/40,000 lbs 20-40 mesh sand & 10,000 lbs 10-20 mesh sand, Avg 20 BPM @ 1800 psig, max. @ 2700 psig, ISIP @ 2070 psig, 15 min @ 1920 psig, 20 min @ 1900 psig.
 5665'-5676' Frac w/Halliburton on 2-7-82.
 36,000 gal Ver 1400 fluid w/40,000 lbs 20-40 mesh sand & 10,000 lbs 10-20 mesh sand, Avg 15 BPM @ 1700 psig, max. @ 2400 psig, ISIP @ 1930 psig, 15 min @ 1750 psig, 20 min @ 1720 psig.

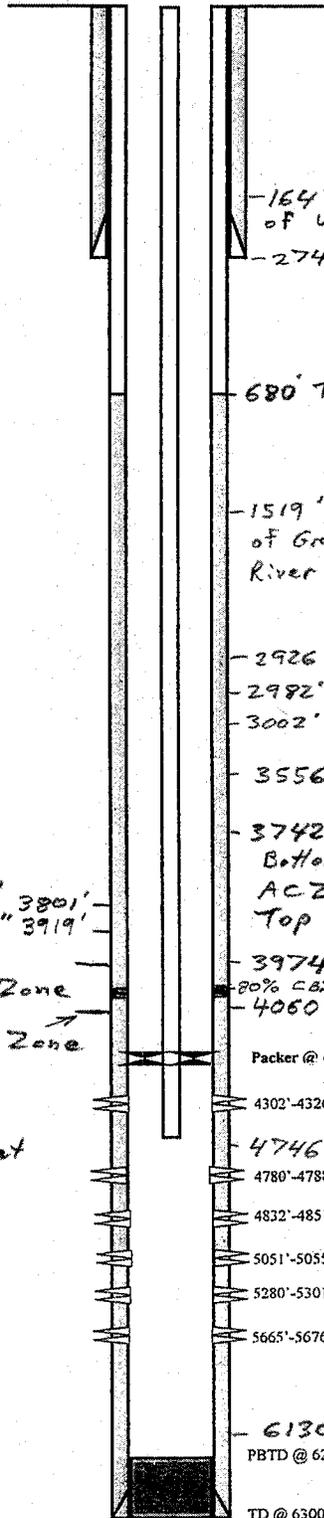
9/30/02 Pump change. Update rod and tubing details.

ACID JOB

4302'-4326' 2500 gal 15% HCl Acid
 4832'-4851' 2000 gal 15% HCl Acid
 5280'-5301' 2000 gal 15% HCl Acid
 5665'-5676' 1000 gal 15% HCl Acid

PERFORATION RECORD

4302'-4326' (24') 49 Holes YELLOW
 4780'-4788' (8') 32 Holes RED1 (Added 9-8-93)
 4832'-4851' (19') 39 Holes RED2
 5051'-5055' (4') 8 Holes GREEN1 (Added 9-8-93)
 5280'-5301' (21') 43 Holes GREEN5
 5665'-5676' (11') 23 Holes BLUE



Top of Shale "A" 3801'
 Bottom of Shale "A" 3919'

Alternate Confining Zone
 Top of Injection Zone

There are approximately 6 feet of 80% CBI cement in the interval 4034' - 4040' in Shale "B".



Allen Federal #12-6-9-17
 1980' FNL 604' FWL
 SW/NW Section 6-T9S-R17E
 Duchesne Co, Utah
 API #43-013-30582; Lease #UTU-020252A

Allen Federal #12-6-9-17

Spud Date: 12/31/81
 Put on Production: 2/20/82
 GL: 5352' KB: 5366'

Initial Production: 190 STBOPD,
 75 MCFD, 39 STBOPD

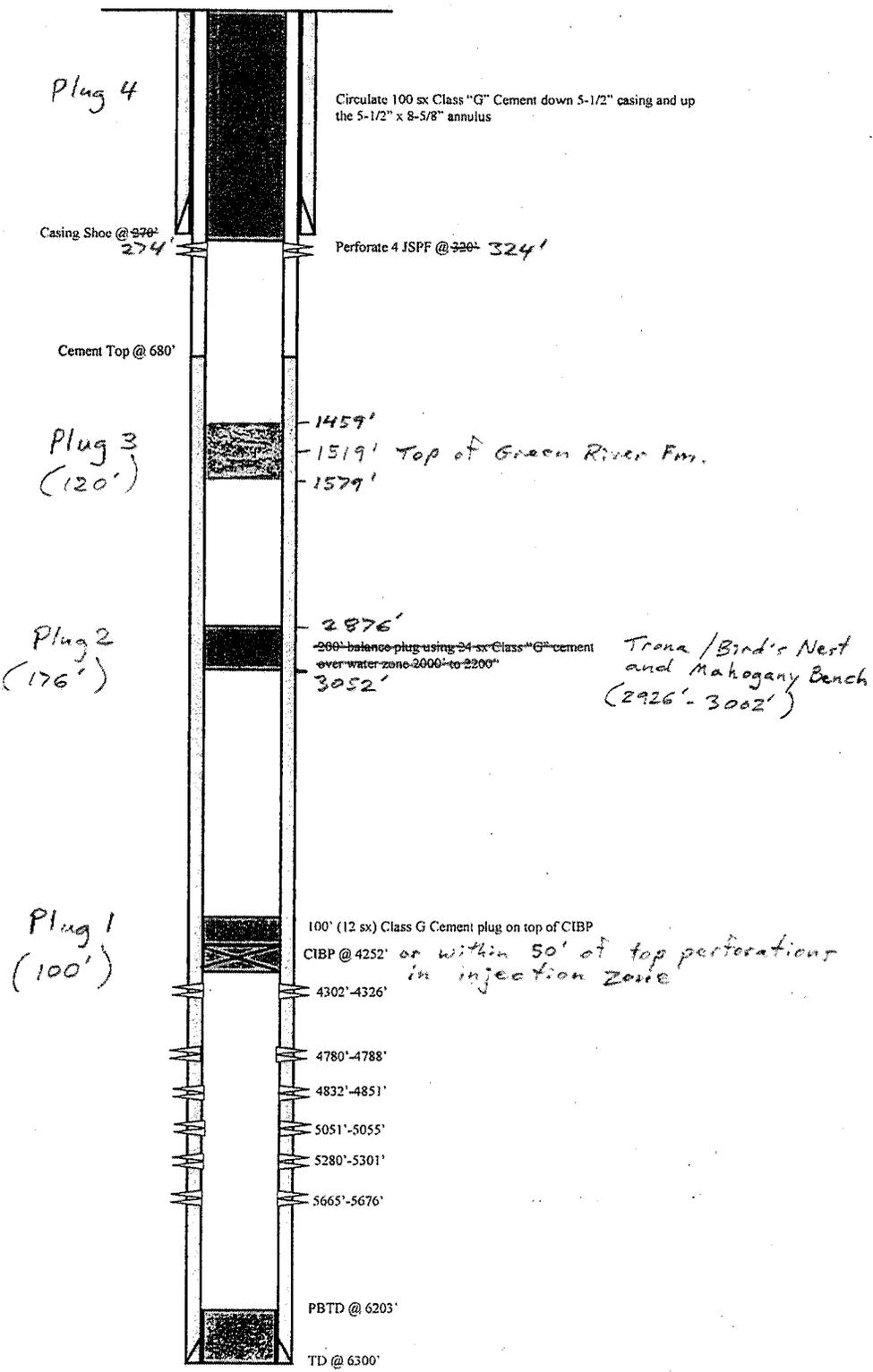
Proposed P & A Wellbore Diagram

SURFACE CASING

STRING: 1
 CSG SIZE: 8 5/8"
 GRADE: K-55
 WEIGHT: 24 lbs.
 LENGTH: 7 jts. @ 260'
 DEPTH LANDED: 274'-279' KB
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 CEMENT DATA: 210 sx, Class-H, Cement to surface.

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 WEIGHT: 15.5 lbs.
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 HOLE SIZE: 7 7/8"
 CEMENT DATA: 420 sx, Class-G, 655 sx, RFC.
 CEMENT TOP AT: 680' KB from CBL.



Allen Federal #12-6-9-17
 1980' FNL 604' FWL
 SW/NW Section 6-T9S-R17E
 Duchesne Co, Utah
 API #43-013-30582; Lease #UTU-020252A

| | | |
|--|--|---|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 |
| SUNDRY NOTICES AND REPORTS ON WELLS | | 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-020252A |
| 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: |
| 1. TYPE OF WELL Oil Well | | 7. UNIT or CA AGREEMENT NAME: GMBU (GRRV) |
| 2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY | | 8. WELL NAME and NUMBER: ALLEN FED 12-6 |
| 3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052 | | 9. API NUMBER: 43013305820000 |
| PHONE NUMBER: 435 646-4825 Ext | | 9. FIELD and POOL or WILDCAT: MONUMENT BUTTE |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 1980 FNL 0604 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 06 Township: 09.0S Range: 17.0E Meridian: S | | COUNTY: DUCHESNE |
| | | STATE: UTAH |

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|--|---|---|
| <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: 1/6/2012 | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS | <input type="checkbox"/> CHANGE TUBING | <input type="checkbox"/> CHANGE WELL NAME |
| <input type="checkbox"/> SPUD REPORT Date of Spud: | <input checked="" type="checkbox"/> CHANGE WELL STATUS | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input checked="" 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 type="checkbox"/> OTHER | OTHER: <input type="text"/> |

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 01/03/2012. On 01/05/2012 Dennis Ingram with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 01/06/2012 the casing was pressured up to 1160 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 a State representative available to witness the test.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
January 12, 2012**

| | | |
|---|-------------------------------------|---|
| NAME (PLEASE PRINT) Lucy Chavez-Naupoto | PHONE NUMBER 435 646-4874 | TITLE Water Services Technician |
| SIGNATURE N/A | DATE 1/10/2012 | |

Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

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

Witness: _____ Date 1/6/12 Time 11 am pm
Test Conducted by: Jared Robinson
Others Present: _____

| | |
|---|----------------------|
| Well: Allen Federal 12-6-9-17 | Field: Mon. Butte |
| Well Location: SW/NW Sec. 6 T9S R17E Duchesne County | API No: 430-13-30582 |

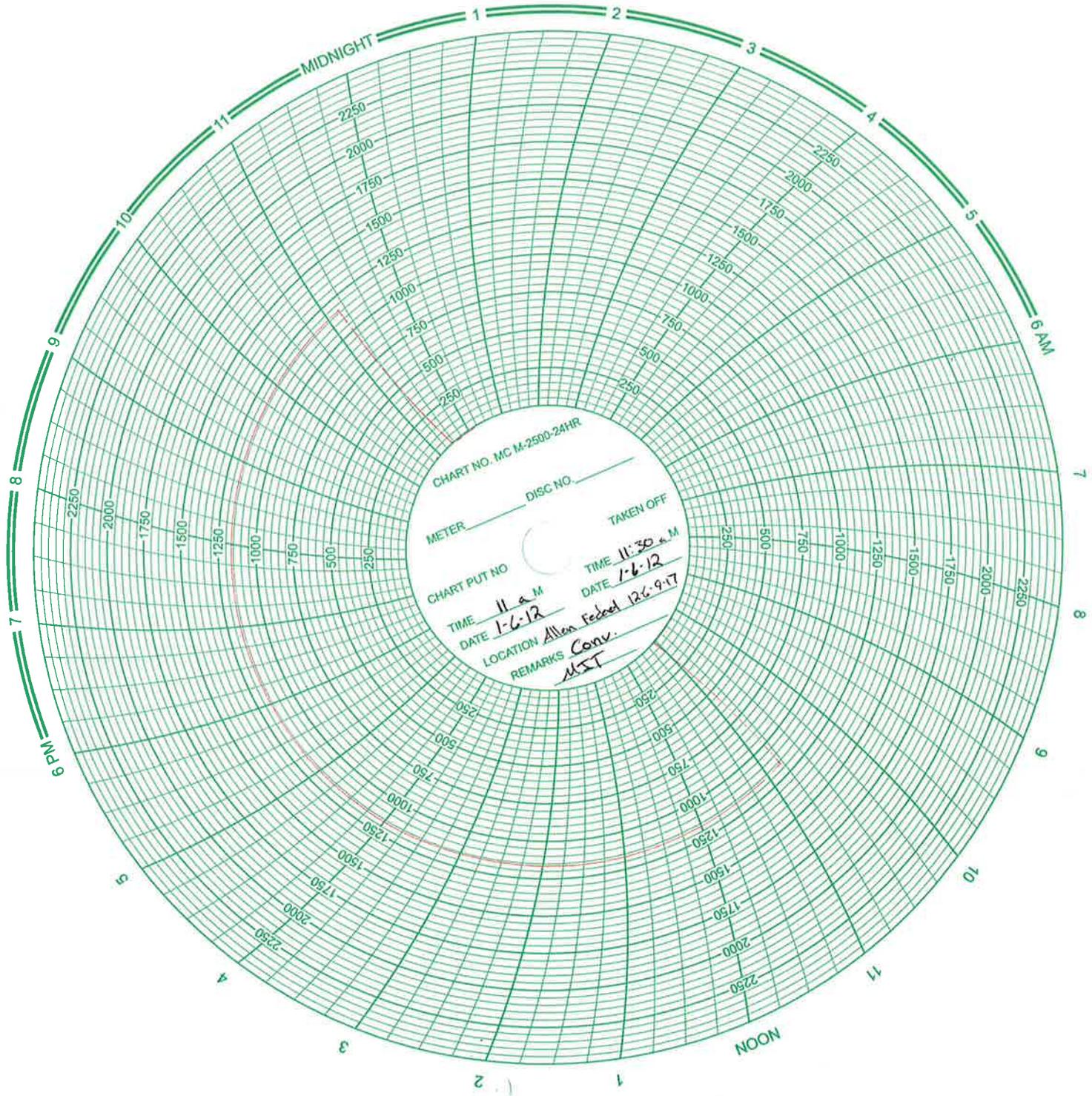
| <u>Time</u> | <u>Casing Pressure</u> | |
|-------------|------------------------|------|
| 0 min | <u>1160</u> | psig |
| 5 | <u>1160</u> | psig |
| 10 | <u>1160</u> | psig |
| 15 | <u>1160</u> | psig |
| 20 | <u>1160</u> | psig |
| 25 | <u>1160</u> | psig |
| 30 min | <u>1160</u> | psig |
| 35 | _____ | psig |
| 40 | _____ | psig |
| 45 | _____ | psig |
| 50 | _____ | psig |
| 55 | _____ | psig |
| 60 min | _____ | psig |

Tubing pressure: 0 psig

Result: Pass Fail

Signature of Witness: _____

Signature of Person Conducting Test: Jared Robinson



Daily Activity Report

Format For Sundry

ALLEN 12-6-9-17

10/1/2011 To 2/29/2012

12/28/2011 Day: 1

Conversion

WWS #7 on 12/28/2011 - MIRUPU - MIRUPU, unseat rig pump pres. Up trying to flush unable, pres. Up on well to 1200# SWIFN - MIRUPU, unseat rig pump pres. Up trying to flush unable, pres. Up on well to 1200# SWIFN - MIRUPU, unseat rig pump pres. Up trying to flush unable, pres. Up on well to 1200# SWIFN **Finalized**

Daily Cost: \$0

Cumulative Cost: \$5,653

1/3/2012 Day: 3

Conversion

WWS #7 on 1/3/2012 - RIH w/ injection string - Flush rods POOH laying down string & RHAC rod pump, Ru Wood Group re-test wellhead (good) ND Wellhead RLS TAC NU BOP SWIFN - Flush rods POOH laying down string & RHAC rod pump, Ru Wood Group re-test wellhead (good) ND Wellhead RLS TAC NU BOP SWIFN - Circ. 30 bbls down tbg. POOH w/ tbg. Breaking & doping LD BHA, PU RIH w/ 5 1/2 AS1X followed by prod. String Pres. Test to 3000# SWIFN check pres. After weekend - Circ. 30 bbls down tbg. POOH w/ tbg. Breaking & doping LD BHA, PU RIH w/ 5 1/2 AS1X followed by prod. String Pres. Test to 3000# SWIFN check pres. After weekend - Circ. 30 bbls down tbg. POOH w/ tbg. Breaking & doping LD BHA, PU RIH w/ 5 1/2 AS1X followed by prod. String Pres. Test to 3000# SWIFN check pres. After weekend - Flush rods POOH laying down string & RHAC rod pump, Ru Wood Group re-test wellhead (good) ND Wellhead RLS TAC NU BOP SWIFN - Flush rods POOH laying down string & RHAC rod pump, Ru Wood Group re-test wellhead (good) ND Wellhead RLS TAC NU BOP SWIFN - Circ. 30 bbls down tbg. POOH w/ tbg. Breaking & doping LD BHA, PU RIH w/ 5 1/2 AS1X followed by prod. String Pres. Test to 3000# SWIFN check pres. After weekend - Circ. 30 bbls down tbg. POOH w/ tbg. Breaking & doping LD BHA, PU RIH w/ 5 1/2 AS1X followed by prod. String Pres. Test to 3000# SWIFN check pres. After weekend - Flush rods POOH laying down string & RHAC rod pump, Ru Wood Group re-test wellhead (good) ND Wellhead RLS TAC NU BOP SWIFN - Circ. 30 bbls down tbg. POOH w/ tbg. Breaking & doping LD BHA, PU RIH w/ 5 1/2 AS1X followed by prod. String Pres. Test to 3000# SWIFN check pres. After weekend - Flush rods POOH laying down string & RHAC rod pump, Ru Wood Group re-test wellhead (good) ND Wellhead RLS TAC NU BOP SWIFN **Finalized**

Daily Cost: \$0

Cumulative Cost: \$7,593

1/4/2012 Day: 4

Conversion

WWS #7 on 1/4/2012 - pull well ready to inject - Thaw well SITP 2300# from being shut in over long weekend, (good test) bleed off RIH w/ sand line ret. SV circ. PKR fluid ND BOP set AS1X @ 4262 w/ 16k tension PSN @ 4257' & EOT @ 4266 NU WH pres. Test csg. To 1500# test for 30 min. (good) RDMOL - Thaw well SITP 2300# from being shut in over long weekend, (good test) bleed off RIH w/ sand line ret. SV circ. PKR fluid ND BOP set AS1X @ 4262 w/ 16k tension PSN @ 4257' & EOT @ 4266 NU WH pres. Test csg. To 1500# test for 30 min. (good) RDMOL - Thaw well SITP 2300# from being shut in over long weekend, (good test) bleed off RIH w/ sand line ret. SV circ. PKR fluid ND BOP set AS1X @ 4262 w/ 16k tension PSN @ 4257' & EOT @ 4266 NU WH pres. Test csg. To 1500# test for 30 min. (good) RDMOL

Daily Cost: \$0

Cumulative Cost: \$44,006

1/10/2012 Day: 5

Conversion

Rigless on 1/10/2012 - Conduct initial MIT - On 01/05/2012 Dennis Ingram with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 01/06/2012 the casing was pressured up to 1160 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 a State representative available to witness the test. - On 01/05/2012 Dennis Ingram with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 01/06/2012 the casing was pressured up to 1160 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 a State representative available to witness the test. - On 01/05/2012 Dennis Ingram with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 01/06/2012 the casing was pressured up to 1160 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 a State representative available to witness the test. **Finalized**

Daily Cost: \$0

Cumulative Cost: \$69,326

Pertinent Files: Go to File List



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8

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

NOV 17 2011

RECEIVED

NOV 30 2011

DIV. OF OIL, GAS & MINING

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

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

Accepted by the
Utah Division of
Oil, Gas and Mining

FOR RECORD ONLY

RE: Underground Injection Control (UIC)
Additional Well to Jonah Area Permit
EPA UIC Permit UT20642-09373
Well: Allen Federal 12-6-9-17
SWNW Sec. 6 T9S-R17E
Duchesne County, Utah
API No.: 43-013-30582

Dear Mr. Sundberg:

The Environmental Protection Agency Region 8 hereby re-authorizes Newfield Production Company to convert the oil well Allen Federal 12-6-9-17 to an enhanced recovery injection well according to the terms and conditions of the enclosed revised Authorization for Additional Well. The original authorization dated December 23, 2008, was effective for one-year and had expired. The addition of this 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 UT20642-00000 and subsequent modifications.

Please be aware that Newfield does not have authorization to begin well injection until *all* Prior to Commencing Injection requirements are met and written authorization to inject is given by the Director. Prior to receiving authorization to inject, Newfield must submit for review and approval (1) the results of a Part I (internal) Mechanical Integrity test, (2) a pore pressure calculation of the injection interval and (3) a completed EPA Form 7520-12 (Well Rework Record) with a new schematic diagram.

If you have any questions, please call Emmett Schmitz at (303) 312-6174 or (800) 227-8917, extension 312-6174. Please submit the required data to Emmett Schmitz at the letterhead address citing mail code 8P-W-GW.

Sincerely,


for

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

Enclosures: Authorization for Additional Well
Schematic Diagram (Proposed conversion of Allen Federal 12-6-9-17
2010 M 07 22 0 .li0

cc: Letter Only: UTAH COUNTY GOVT
Uintah & Ouray Business Committee
Irene Cuch, Chairman
Ronald Wopsock, Vice-Chairman
Richard Jenks, Jr., Councilman
Stewart Pike, Councilman
Phillip Chimburas, Councilman
Frances Poowegup, Councilwoman

Daniel Picard
BIA - Uintah & Ouray Indian Agency

cc: All Enclosures:
Mike Natchees
Environmental Coordinator
Ute Indian Tribe

Manual Myore
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

Reed Durfey, District Manager
Newfield Production Company



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 UT20642-00000

The Jonah Unit Final UIC Area Permit UT20642-00000, effective December 22, 1992, authorizes injection for the purpose of enhanced oil recovery in the Jonah Unit. On October 4, 2011, Newfield Production Company notified the Director concerning the reissuance of the following additional enhanced recovery injection well:

Well Name: Allen Federal 12-6-9-17
EPA Permit ID Number: UT20642-09373
Location: 1980' FNL & 604' FWL
SWNW Sec. 6 T9S-R17E
Duchesne County, Utah
API #43-013-30582

Pursuant to 40 CFR §144.33, Area UIC Permit 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. The original UIC authorization for this well dated December 23, 2008, has expired. On October 4, 2011, Newfield re-applied for UIC authorization for this well. EPA has revised and is re-issuing this authorization.

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

This Authorization is effective upon signature.

Date: 11/16/11 [Signature]

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

INJECTION WELL-SPECIFIC REQUIREMENTS

Well Name: Allen Federal 12-6-9-17
EPA Well ID Number: UT20642-09373

Prior to Commencing Injection Operations, the permittee shall submit the following information:

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

Approved Injection Zone: Injection in the Allen Federal 12-6-9-17 well is limited to an interval from the top of the marker known as Garden Gulch No. 2, at 4,056 ft., to the top of the Wasatch Formation at an estimated depth of 6,130 ft.

Note: All depths given in this authorization reference the Kelly Bushing datum unless otherwise specified.

Maximum Allowable Injection Pressure (MAIP): The initial MAIP is 1,805 psig, based on the following calculation:

$$\begin{aligned} \text{MAIP} &= [\text{FG} - (0.433)(\text{SG})] * D, \text{ where} \\ \text{FG} &= 0.86 \text{ psi/ft. (Per agreement EPA and Newfield)} \\ \text{SG} &= 1.015 \\ D &= 4,302 \text{ ft. (top perforation depth)} \end{aligned}$$

$$\text{Initial MAIP} = 1,805 \text{ psig}$$

$$\text{FG} = \text{Fracture Gradient} \quad \text{SG} = \text{Specific Gravity of Injectate (Maximum)}$$

UIC Area Permit No. UT20642-00000 provides the opportunity for the permittee to request a change of the MAIP based upon the submitted results of a step rate test that demonstrates the formation parting pressure.

Well Construction: Casing and Cementing: The well was constructed in compliance with existing regulatory controls for casing and cementing pursuant to 40 CFR § 146.22(c). However, cementing records, including the Cement Bond Log (CBL), have not satisfactorily demonstrated the presence of adequate cement to prevent the migration of injection fluids behind the casing from the injection zone. An EPA-annotated wellbore diagram is attached.

Well Construction: Tubing and Packer: 2-3/8" or similar size injection tubing is approved. The packer shall be set at a depth no more than 100 ft. above the top perforation.

Demonstration of Mechanical Integrity:

- (1) A successful demonstration of part I (internal) mechanical integrity using a Casing-Tubing Annulus Pressure test is required prior to injection, and no less than every five years after the last successful test.
- (2) EPA reviewed the cementing records and determined the cement will provide an effective barrier to significant upward movement of fluids through vertical channels adjacent to the 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 demonstrated financial responsibility by a Surety Bond in the amount of \$42,000 which has been approved by EPA. The Director may revise the amount required, and may require the Permittee to obtain and provide updated estimates of costs for plugging the well according to the approved Plugging and Abandonment Plan.

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

- 1) Isolate the injection zone: Remove down hole apparatus from the well and perform necessary clean out; displace well fluid with plugging gel. Set a cast iron bridge plug (CIBP) within the innermost casing string no more than 50 ft. above the top perforation with a minimum of 20 ft. cement plug on top of the CIBP.
- 2) Isolate the Trona-Bird's Nest water zone and Mahogany Oil Shale: Perforate and squeeze cement up the backside of the outermost casing string across the Mahogany Oil Shale and Trona-Bird's Nest water zone, from at least 55 ft. above the top of the Trona-Bird's Nest to at least 55 ft. below the base of Mahogany Oil Shale, unless there is existing cement across this interval.
- 3) Isolate the Uinta Formation from the Green River Formation: Perforate and squeeze a minimum of 110 ft. cement up the backside of the outermost casing string to isolate the contact between the Uinta Formation and the Green River Formation, unless there is existing cement across this interval. Set a minimum 110 ft. cement plug in the innermost casing string, centered on the contact between the Green River Formation and Uinta Formation.

4) Isolate Surface Fluid Migration Paths:

If the depth of the lowermost USDW is above the base of surface casing, perforate the outermost casing string 50 ft. below the base of surface casing and circulate cement to the surface, unless there is existing cement across this interval; OR

If the depth of the lowermost USDW is below the base of surface casing, perforate the outermost casing string 50 ft. below the base of the lowermost USDW and circulate cement to surface; AND

Set a cement plug inside the innermost casing string from 50 ft. below the base of the surface casing to surface.

INJECTION WELL-SPECIFIC CONSIDERATIONS

Well Name: Allen Federal 12-6-9-17
EPA Well ID Number: UT20642-09373

Underground Sources of Drinking Water (USDWs): USDWs in the Greater Boundary Unit 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 ft. in this well.

Utah Division of Water Rights Information: According to the state website, <http://utstnrwrt6.waterrights.utah.gov/cgi-bin/wrplat.exe>, there are no known reservoirs, streams, domestic or agricultural water wells within one-quarter (1/4) mile of the well.

Composition of Source, Formation, and Injectate Water: The Total Dissolved Solids (TDS) content of water produced from the injection zone in the Green River Formation was determined to be 17,591 mg/l on July 24, 2008. Due to nearby injection activity for the purpose of enhanced oil recovery, this TDS value may not be representative of the original TDS content of formation waters at or near this well.

The TDS content of injectate was determined to be 4,278 mg/l on January 25, 2008. The injectate is water from a Boundary Injection Facility and consists of culinary water from the Johnson Water District blended with produced Green River Formation water.

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

Confining Zone: The Confining Zone (CZ) directly overlies the Garden Gulch Member No. 2, of the Green River Formation, and occurs between 3,656 ft. and 4,056 ft. in this well. The cement records, i.e., Cement Bond Log, show 80% cement bond index behind casing 3,900 ft. – 3,918 ft. and 3,660 ft. – 3,686 ft.

Injection Zone: The injection zone for this well is in the Green River Formation from the top of Garden Gulch Member No. 2 at 4,056 ft. to the Wasatch Formation at an estimated depth of approximately 6,130 ft. The injection zone at this well location consists of approximately 2,074 ft. of multiple lenticular sand units interbedded with shale, marlstone and limestone.

Well Construction: The Cement Bond Log (CBL) for this well does show two (2) intervals of continuous 80 percent or greater cement bond index within the CZ (3,656 ft. to 4,056 ft.).

Surface Casing: 8-5/8" casing is set at 274 ft. in a 12-1/4" hole, using 210 sacks of Class "H" Cement, cemented to the surface.

Longstring Casing: 5-1/2" casing is set at 6,290 ft. in a 7-7/8" hole secured with 420 sacks of Class "G" cement and 655 sacks of RFC cement. Total driller depth is 6,300 ft. Plugged back total depth is 6,203 ft. Cement Bond Log (CBL) shows top of cement is 680 ft.

Perforations: Top perforation: 4,203 ft. Bottom perforation: 5,676 ft.

Basis for Initial MAIP Calculation: The initial MAIP was calculated by EPA using the following input values for the fracture gradient and injectate specific gravity:

Fracture Gradient: A fracture gradient value of 0.86 psi/ft. was selected by EPA because it is an average value agreed to by EPA and Newfield for Section 6 – T9S – R17E.

Specific Gravity: An injectate specific gravity value of 1.015 was selected by EPA and Newfield because this value is the maximum expected specific gravity of injectate for the Boundary Field.

Well Plugging and Abandonment: As discussed in the EPA Region 8 guidance, wells should be plugged and abandoned in a manner to prevent migration of fluids in the wellbore into or between USDWs. The four (4) cement plugs required for this well are as follows:

Plug No. 1 is required to prevent migration of fluids out of the injection zone. It is believed that there are no USDWs below Plug No. 1.

Plug No. 2 is required because the interval of the Green River Formation, containing the Bird's Nest /Trona Member, is reported to contain USDWs in places in the Uinta Basin, and the Mahogany Bench Member is an oil shale resource that is also being protected under U.S. Bureau of Land Management (BLM) requirements.

Plug No. 3 is required across the Uinta Formation/Green River Formation contact to prevent flow between USDWs.

Plug No. 4 is required to prevent fluids from migrating from the surface or from below into shallow USDWs.

AREA OF REVIEW (AOR) WELL REQUIREMENTS

No Corrective Action Required for the Seven AOR Wells:

All AOR wells have top of cement above Confining Zone.

All AOR wells have adequate 80% cement bond within, or across, the Confining Zone.

REPORTING REQUIREMENTS

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 to EPA for review no later than 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 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 an underground source of drinking water.

- (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)** at: **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 weeks of the time such information became known.

| | |
|--|--|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-020252A |
| 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 (GRRV) |
| 1. TYPE OF WELL Water Injection Well | 8. WELL NAME and NUMBER: ALLEN FED 12-6 |
| 2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY | 9. API NUMBER: 43013305820000 |
| 3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052 | PHONE NUMBER: 435 646-4825 Ext |
| 9. FIELD and POOL or WILDCAT: MONUMENT BUTTE | 4. LOCATION OF WELL FOOTAGES AT SURFACE: 1980 FNL 0604 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 06 Township: 09.0S Range: 17.0E Meridian: S |
| | COUNTY: DUCHESNE |
| | STATE: UTAH |

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|--|---|---|
| <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: 8/30/2012 | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS | <input type="checkbox"/> CHANGE TUBING | <input type="checkbox"/> CHANGE WELL NAME |
| <input type="checkbox"/> SPUD REPORT Date of Spud: | <input type="checkbox"/> CHANGE WELL STATUS | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> CONVERT WELL TYPE |
| <input type="checkbox"/> DRILLING REPORT Report Date: | <input type="checkbox"/> DEEPEN | <input type="checkbox"/> FRACTURE TREAT | <input type="checkbox"/> NEW CONSTRUCTION |
| | <input type="checkbox"/> OPERATOR CHANGE | <input type="checkbox"/> PLUG AND ABANDON | <input type="checkbox"/> PLUG BACK |
| | <input type="checkbox"/> PRODUCTION START OR RESUME | <input type="checkbox"/> RECLAMATION OF WELL SITE | <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION |
| | <input type="checkbox"/> REPERFORATE CURRENT FORMATION | <input type="checkbox"/> SIDETRACK TO REPAIR WELL | <input type="checkbox"/> TEMPORARY ABANDON |
| | <input type="checkbox"/> TUBING REPAIR | <input type="checkbox"/> VENT OR FLARE | <input type="checkbox"/> WATER DISPOSAL |
| | <input type="checkbox"/> WATER SHUTOFF | <input type="checkbox"/> SI TA STATUS EXTENSION | <input type="checkbox"/> APD EXTENSION |
| | <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input checked="" type="checkbox"/> OTHER | OTHER: <input type="text" value="Put on Injection"/> |

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

The above reference well was put on injection at 9:45 AM on 08/30/2012. EPA # UT20642-09373

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

FOR RECORD ONLY

September 13, 2012

| | | |
|--|------------------------------|------------------------------------|
| NAME (PLEASE PRINT) Lucy Chavez-Naupoto | PHONE NUMBER 435 646-4874 | TITLE Water Services Technician |
| SIGNATURE N/A | DATE 9/4/2012 | |



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8

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

AUG 20 2012

Ref: 8P-W-UIC

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Reed Durfey
District Manager
Newfield Production Company
Route 3 – Box 3630
Myton, Utah

RECEIVED
AUG 29 2012
DIV. OF OIL, GAS & MINING

Accepted by the
Utah Division of
Oil, Gas and Mining

FOR RECORD ONLY

RE: Underground Injection Control (UIC)
Authorization to Commence Injection
EPA UIC Permit UT20642-09373
Well: Allen Federal 12-6-9-17
SWNW Sec. 6-T9S-R17E
Duchesne County, Utah
API No.: 43-013-30582

Dear Mr. Durfey:

The U.S. Environmental Protection Agency Region 8 has received Newfield Production Company's (Newfield) July 19, 2012, letter with enclosures. The enclosed Part I (internal) Mechanical Integrity test, Well Rework Record (EPA Form 7520-12), schematic diagram and calculated pore pressure were reviewed and approved by the EPA, satisfactorily completing all Prior to Commencing Injection Requirements for UIC Permit UT20642-09373.

As of the date of this letter, Newfield is authorized to commence injection into the Allen Federal 12-6-9-17 well at a Maximum Allowable Injection Pressure (MAIP) of 1,805 psig. You may apply for a higher MAIP at a later date. Your application should be accompanied by the interpreted results of a step rate test that measures the fracture parting pressure and calculates the fracture gradient at this depth and location. Newfield must receive prior authorization from the Director to inject at pressures greater than the permitted MAIP during any test.

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

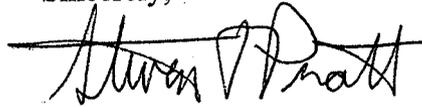
Ms. Sarah Roberts
U.S. EPA Region 8: 8ENF-UFO
1595 Wynkoop Street
Denver, Colorado 80202-1129

Or, you may reach Ms. Roberts by telephone at (303) 312-6211 or (800) 227-8927, extension 312-6211.

Please remember that it is your responsibility to be aware of, and to comply with, all conditions of injection well Permit UT20642-09373.

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

Sincerely,



for Callie A. Videtich
Acting Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

cc: Uintah & Ouray Business Committee:

Irene Cuch, Chairman
Richard Jenks, Jr., Councilman
Frances Poowegup, Councilwoman
Ronald Wopsock, Vice-Chairman
Phillip Chimburas, Councilman
Stewart Pike, Councilman

Johnna Blackhair
BIA - Uintah & Ouray Indian Agency

Mike Natchees
Environmental Coordinator
Ute Indian Tribe

Manual Myore
Director of Energy & Minerals Dept.
Ute Indian Tribe

Brad Hill
Acting Associate Director
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office
BLM - Vernal Office

Eric Sundberg, Regulatory Analyst
Newfield Production Company



Printed on Recycled Paper

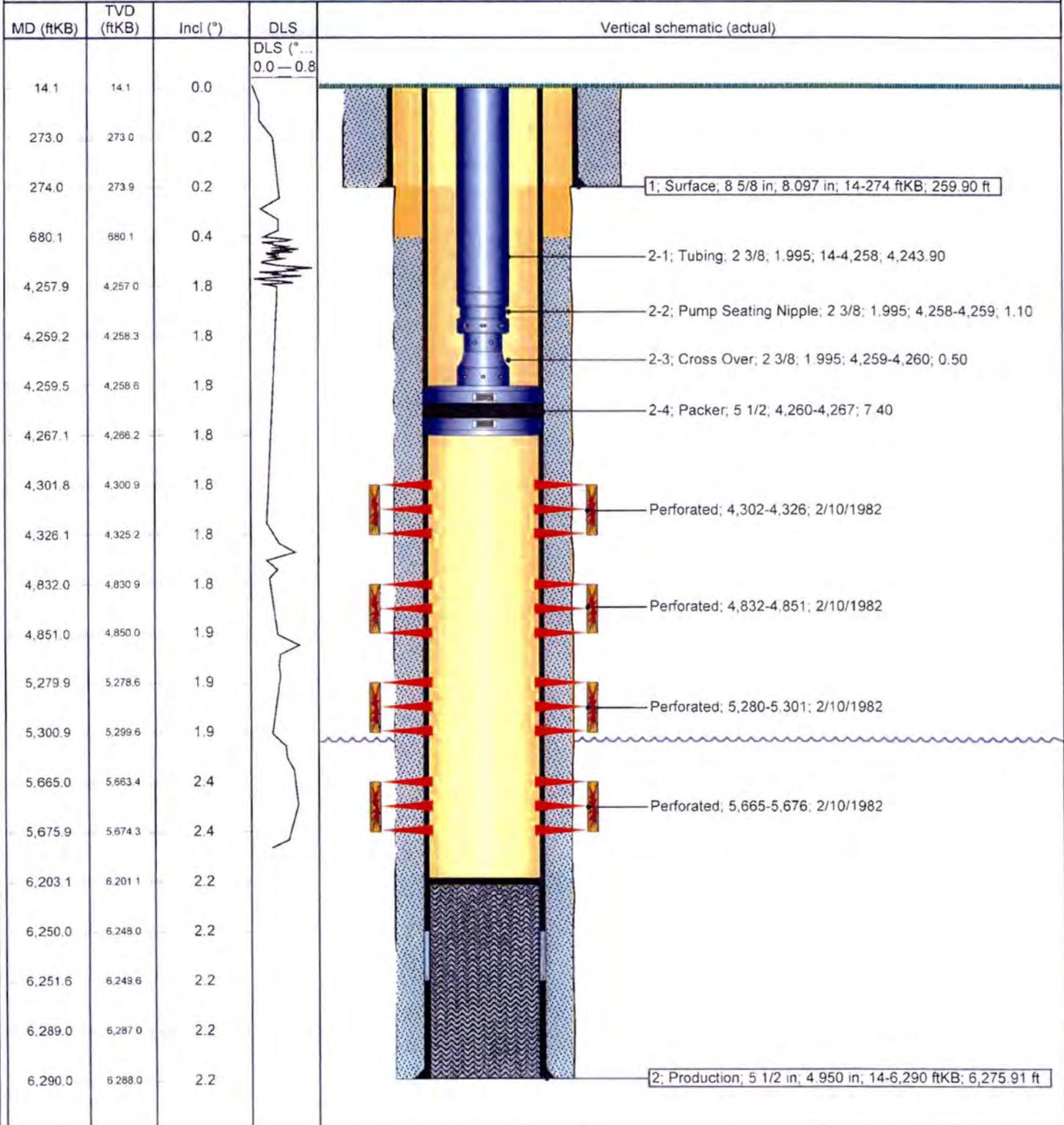


Well Name: **Allen 12-6-9-17**

| | | | | | | | |
|-------------------------------------|------------------|---------------------------------|-------------------------------------|--------------------------------|------------------------------|---|--------------------|
| Surface Legal Location 06-9S-17E | | API/UWI 43013305820000 | Well RC 500150726 | Lease | State/Province Utah | Field Name GMBU CTB5 | County DUCHESNE |
| Spud Date | Rig Release Date | On Production Date 2/20/1982 | Original KB Elevation (ft) 5,366 | Ground Elevation (ft) 5,352 | Total Depth All (TVD) (ftKB) | PBD (All) (ftKB) Original Hole - 6,203.0 | |

| | | | |
|---------------------------------------|--------------------------------|-----------------------------|------------------------------|
| Most Recent Job | | | |
| Job Category Production / Workover | Primary Job Type Conversion | Secondary Job Type Basic | Job Start Date 12/27/2011 |
| | | Job End Date 12/28/2011 | |

TD: 6,290.0 Vertical - Original Hole, 5/12/2015 9:54:02 AM



NEWFIELD



Newfield Wellbore Diagram Data Allen 12-6-9-17

| | | | | | |
|-------------------------------------|--|--------------------------------|--|---|--|
| Surface Legal Location 06-9S-17E | | API/UWI 43013305820000 | | Lease | |
| County DUCHESNE | | State/Province Utah | | Basin | |
| Well Start Date 12/31/1981 | | Spud Date | | Final Rig Release Date | |
| Original KB Elevation (ft) 5,366 | | Ground Elevation (ft) 5,352 | | Total Depth (ftKB) 6,290.0 | |
| | | | | Total Depth All (TVD) (ftKB) | |
| | | | | PBD (All) (ftKB) Original Hole - 6,203.0 | |

Casing Strings

| Csg Des | Run Date | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | Set Depth (ftKB) |
|------------|------------|---------|---------|----------------|-------|------------------|
| Surface | 12/31/1981 | 8 5/8 | 8.097 | 24.00 | K-55 | 274 |
| Production | 1/6/1982 | 5 1/2 | 4.950 | 15.50 | K-55 | 6,290 |

Cement

String: Surface, 274ftKB 12/31/1981

| | | | | | |
|-------------------|--|--------------------------|------------------------------|--------------|------------------------------|
| Cementing Company | | Top Depth (ftKB) 14.0 | Bottom Depth (ftKB) 274.0 | Full Return? | Vol Cement Ret (bbl) |
| Fluid Description | | Fluid Type Lead | Amount (sacks) 210 | Class H | Estimated Top (ftKB) 14.0 |

String: Production, 6,290ftKB 1/6/1982

| | | | | | |
|-------------------|--|---------------------------|--------------------------------|--------------|---------------------------------|
| Cementing Company | | Top Depth (ftKB) 680.0 | Bottom Depth (ftKB) 6,290.0 | Full Return? | Vol Cement Ret (bbl) |
| Fluid Description | | Fluid Type Lead | Amount (sacks) 420 | Class G | Estimated Top (ftKB) 680.0 |
| Fluid Description | | Fluid Type Tail | Amount (sacks) 655 | Class RFC | Estimated Top (ftKB) 2,500.0 |

Tubing Strings

| Tubing Description Tubing | | | | Run Date 12/27/2011 | | Set Depth (ftKB) 4,267.0 | |
|------------------------------|-----|---------|---------|------------------------|-------|-----------------------------|------------|
| Item Des | Jts | OD (in) | ID (in) | Wt (lb/ft) | Grade | Len (ft) | Top (ftKB) |
| Tubing | 136 | 2 3/8 | 1.995 | 4.70 | J-55 | 4,243.90 | 14.1 |
| Pump Seating Nipple | 1 | 2 3/8 | 1.995 | | | 1.10 | 4,258.0 |
| Cross Over | 1 | 2 3/8 | 1.995 | | | 0.50 | 4,259.1 |
| Packer | 1 | 5 1/2 | | | N-80 | 7.40 | 4,259.6 |

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 |
|--------|--------------------|------------|------------|----------------------|-------------|-------------------|-----------|
| 1 | A1, Original Hole | 4,302 | 4,326 | 1 | | | 2/10/1982 |
| 2 | CP5, Original Hole | 4,832 | 4,851 | 1 | | | 2/10/1982 |
| 3 | C, Original Hole | 5,280 | 5,301 | 1 | | | 2/10/1982 |
| 4 | GB1, Original Hole | 5,665 | 5,676 | 1 | | | 2/10/1982 |

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 | 1,800 | 0.85 | 20.0 | 2,200 | | | |
| 1 | 1,800 | 0.85 | 20.0 | 2,200 | | | |
| 1 | 1,800 | 0.85 | 20.0 | 2,200 | | | |
| 1 | 1,800 | 0.85 | 20.0 | 2,200 | | | |

Proppant

| Stage# | Total Prop Vol Pumped (lb) | Total Add Amount |
|--------|----------------------------|-------------------------------|
| 1 | | Proppant White Sand 200000 lb |
| 1 | | Proppant White Sand 200000 lb |
| 1 | | Proppant White Sand 200000 lb |
| 1 | | Proppant White Sand 200000 lb |

| | | |
|--|--|---|
| 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 |
| | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| 1. TYPE OF WELL Water Injection Well | | 7. UNIT or CA AGREEMENT NAME: GMBU (GRRV) |
| 2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY | | 8. WELL NAME and NUMBER: ALLEN FED 12-6 |
| 3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052 | | 9. API NUMBER: 43013305820000 |
| PHONE NUMBER: 435 646-4825 Ext | | 9. FIELD and POOL or WILDCAT: MONUMENT BUTTE |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 1980 FNL 0604 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 06 Township: 09.0S Range: 17.0E Meridian: S | | COUNTY: DUCHESNE |
| | | STATE: UTAH |

11.

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|--|---|---|
| <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: | <input type="checkbox"/> ACIDIZE | <input type="checkbox"/> ALTER CASING | <input type="checkbox"/> CASING REPAIR |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/30/2016 | <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 11/30/2016 the casing was pressured up to 1225 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. The tbq pressure was 1830 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-09373

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
December 06, 2016**

| | | |
|---|-------------------------------------|---|
| NAME (PLEASE PRINT) Lucy Chavez-Naupoto | PHONE NUMBER 435 646-4874 | TITLE Water Services Technician |
| SIGNATURE N/A | DATE 12/1/2016 | |

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: 11 / 30 / 2016

Test conducted by: Kim Giles

Others present: _____

| | | | | |
|---|---------------|---|------------------------|------------------|
| Well Name: <u>12-6-9-17 Allen Federal</u> | | Type: ER SWD | Status: AC TA UC | -09373 |
| Field: <u>Moqueam Butte</u> | | | | |
| Location: <u>SW/WW</u> | Sec: <u>6</u> | T <u>9</u> | N <u>(S)</u> | R <u>17</u> |
| Operator: <u>Kim Giles</u> | | | County: <u>Duchene</u> | State: <u>MT</u> |
| Last MIT: <u>1</u> | <u>1</u> | Maximum Allowable Pressure: <u>1861</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: 71 bpd

Pre-test casing/tubing annulus pressure: Casing 0 / Tubing 1830 psig

| MIT DATA TABLE | Test #1 | Test #2 | Test #3 |
|---------------------------------------|--|----------------------|----------------------|
| TUBING PRESSURE | | | |
| Initial Pressure | <u>1830</u> psig | psig | psig |
| End of test pressure | psig | psig | psig |
| CASING/TUBING ANNULUS PRESSURE | | | |
| 0 minutes | <u>1228.6</u> psig | psig | psig |
| 5 minutes | <u>1228.4</u> psig | psig | psig |
| 10 minutes | <u>1227.0</u> psig | psig | psig |
| 15 minutes | <u>1225.8</u> psig | psig | psig |
| 20 minutes | <u>1224.8</u> psig | psig | psig |
| 25 minutes | <u>1224.6</u> psig | psig | psig |
| 30 minutes | <u>1224.8</u> psig | psig | psig |
| _____ minutes | psig | psig | psig |
| _____ minutes | psig | psig | psig |
| RESULT | <input checked="" type="checkbox"/> 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: Kim Giles

12-6-9-17 5yr. MIT
11/30/2016 1:24:35 PM

