date first production - 1/13/76
8/18/76 - approval given by P.

FILE NOTATIONS

Entered in NID File ....✓....
Location Map Pinned ....✓....
Card Indexed ....✓....

Checked by Chief ....✓....
Approval Letter 4-1-75
Disapproval Letter .....

COMPLETION DATA:

Date Well Completed 1/14/76.
OW✓.... WW..... TA.....
GW..... OS..... PA.....

Location Inspected .....
Bond released
State or Fee Land .....

LOGS FILED

Driller's Log.....
Electric Logs (No.) ✓.....
E..... Dual I Lat..... GR-N..... Micro.....
BHC Sonic GR..... Lat..... MLL..... Sonic.....
CBLog..... CCLog..... Others.....

Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

# APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME: Ute

9. WELL NO.: 1-20Z2

10. FIELD AND POOL, OR WILDCAT: Bluebell

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 20-1N-2W

1a. TYPE OF WORK: DRILL XX DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL: OIL WELL XX GAS WELL ☐ OTHER SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR: Gulf Oil Corporation

3. ADDRESS OF OPERATOR: P. O. Box 2619 Casper, Wyoming 82601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface 2432' WEL & 1962' NSL (NW SE)
At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 4.5 mi. W; 3.4 mi. N; .5 mi. W from Neola, Utah

12. COUNTY OR PARISH: Duchesne

13. STATE: Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 1962' NSL of Section 20

16. NO. OF ACRES IN LEASE: 640

17. NO. OF ACRES ASSIGNED TO THIS WELL: 640

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED OR APPLIED FOR, ON THIS LEASE, FT.: None in Section 20

19. PROPOSED DEPTH: 12,300'

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 6376' GL

22. APPROX. DATE WORK WILL START*: Upon approval

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|---|---|---|---|---|
| 20" | 16" | 65# New | 60' | To bottom of cellar |
| 12 1/4" | 9 5/8" | 36# K-55 New | 3000' | To bottom of cellar |
| 8 3/4" | 7" | 29# N-80<br>26# N-80 New | TD | Cement lower 4000' |

Propose to drill a 12,300' test of Green River Formation Anticipated BHP at 12,300' = 5756#
Install on 9 5/8" surface casing one bag type, double gate (blind rams and DP rams) and rotating head with appropriate manifold to match BOP stack (minimum of 900 Series equipment. Surface casing flange and spools will be 10" Series 900.
Mud - Fresh wtr, low solids non-dispersed, from surf to TD. Flow sensors, PVT equipment, and gas detector will be utilized. Upper Kelly cock will be used from 3000' to TD. Lower Kelly cock and DP will be available on the rig floor.
Plan to flare any gas encountered during and subsequent to completion to clean up and evaluate the well.

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 Original Signed by J. A. LAYTON J. A. Layton TITLE Area Drilling Superintendent DATE March 25, 1975

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

## Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal 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.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

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 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

cc: Utah Oil & Gas Commission (2)
1588 W. North Temple
Salt Lake City, Utah 84116
Attn: Mr. Cleon Feight

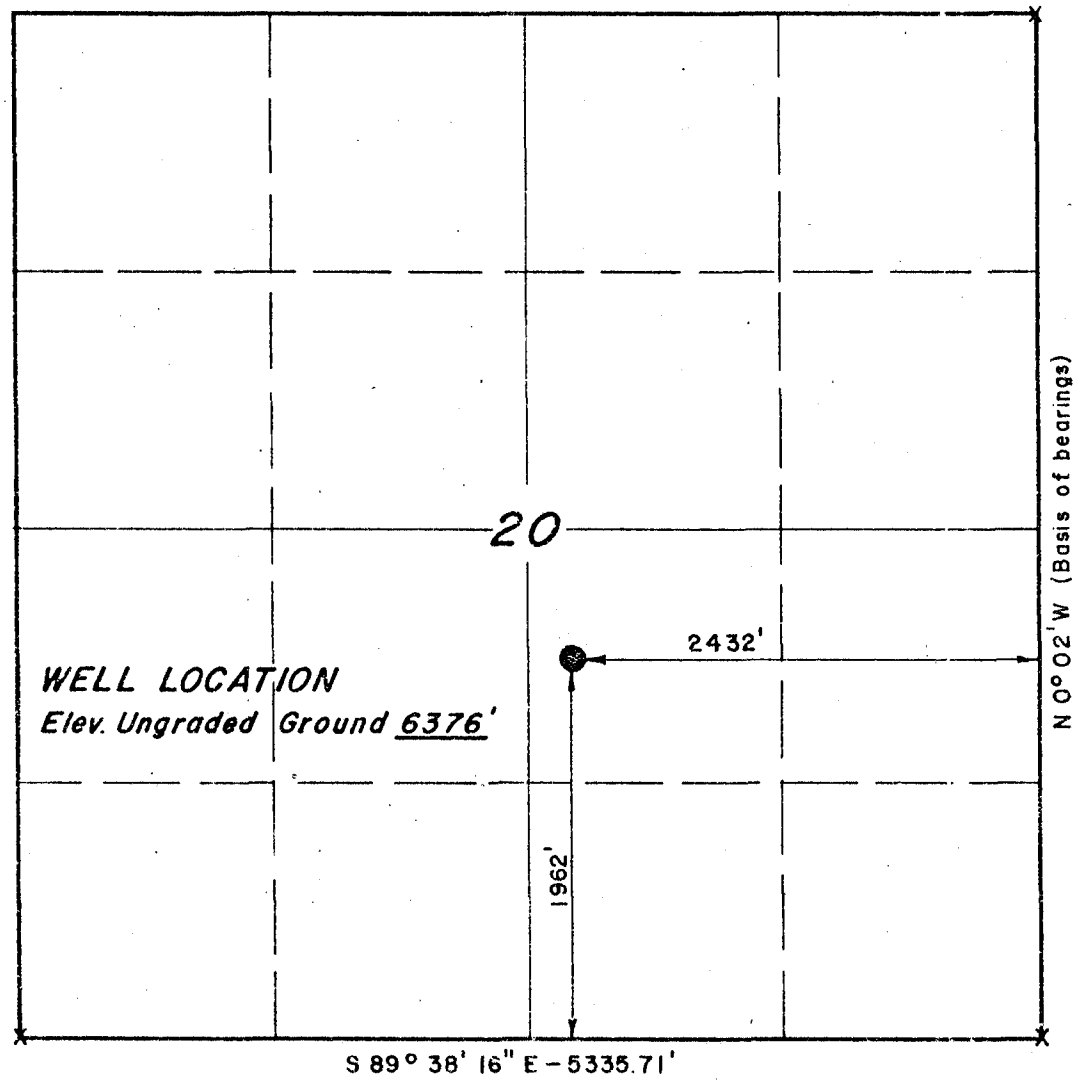
Bureau of Indian Affairs
Uintah and Ouray Agency
Ft. Duchesne, Utah 84026

Ute Distribution Corp.
P. O. Box 696
Roosevelt, Utah 84066

Gulf Oil Corporation
Box 2100
18th Floor
Houston, Texas 77001
Attn: Mr. W. F. Pinkerton

☆ U. S. GOVERNMENT PRINTING OFFICE: 1972 782 222/298 REGION NO. 8

# T1N, R2W, U.S.B.&M.




X = Section Corners Located

PROJECT

GULF OIL CORPORATION

Well location located as shown in the NW 1/4 SE 1/4 Section 20, T1N, R2W, U.S.B.&M. Duchesne County, Utah.

CERTIFICATE

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

Lawrence C. Kay

REGISTERED LAND ~~SURVEYOR~~
REGISTRATION № 3137
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX Q — 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

| | |
|---|---|
| SCALE 1" = 1000' | DATE 3-19-75 |
| PARTY R.K. R.L. N.D. | REFERENCES GLO Plat |
| WEATHER Fair | FILE GULF OIL CORP |

Gulf Oil Corporation

12 Point Surface Use Plan

for

Well Location

in

Sec. 20, T1N, R2W, U.S.B. & M.

Duchesne County, Utah

1. DESCRIPTION

To reach Gulf Oil Corporation Well, in Section 20, T1N, R2W, U.S.B. & M., proceed West from Neola, Utah, on Neola Road 4.5 miles to intersection; Exit right or North and proceed 3.4 miles staying on graded road; Exit Left or West onto graded road and proceed 0.5 miles to said location.

2. PLANNED ACCESS ROAD

As shown on the attached topographic map, the proposed access road leaves the location on the East side and proceeds Easterly 0.5 miles to intersection with road. There will be no other access roads.

3. LOCATION OF EXISTING WELLS

See attached topographic map for location of existing wells.

4. LATERAL ROADS TO WELL LOCATIONS

Roads to well locations in the existing area are shown on the attached topographic map.

5. LOCATION OF TANK BATTERIES AND FLOWLINES

See attached location layout sheet.

6. LOCATION AND TYPE OF WATER SUPPLY

Water will be hauled from the Yellowstone Extension Canal 0.2 miles North of the location.

7. METHODS FOR HANDLING WASTE DISPOSAL

All waste will be buried in a pit and covered with a minimum 2' of cover. A portable chemical toilet will be supplied for human waste.

8. LOCATION OF CAMPS

There will be no camps.

9. LOCATION OF AIRSTRIPS

There will be no airstrips.

10. LOCATION LAYOUT

See attached location layout sheet.

11. PLANS FOR RESTORATION OF SURFACE

There is no significant topsoil in the area. On completion, pits will be filled, the surrounding area releveled, and reseeded with crested wheat grass at the rate of 6 pounds per acre.

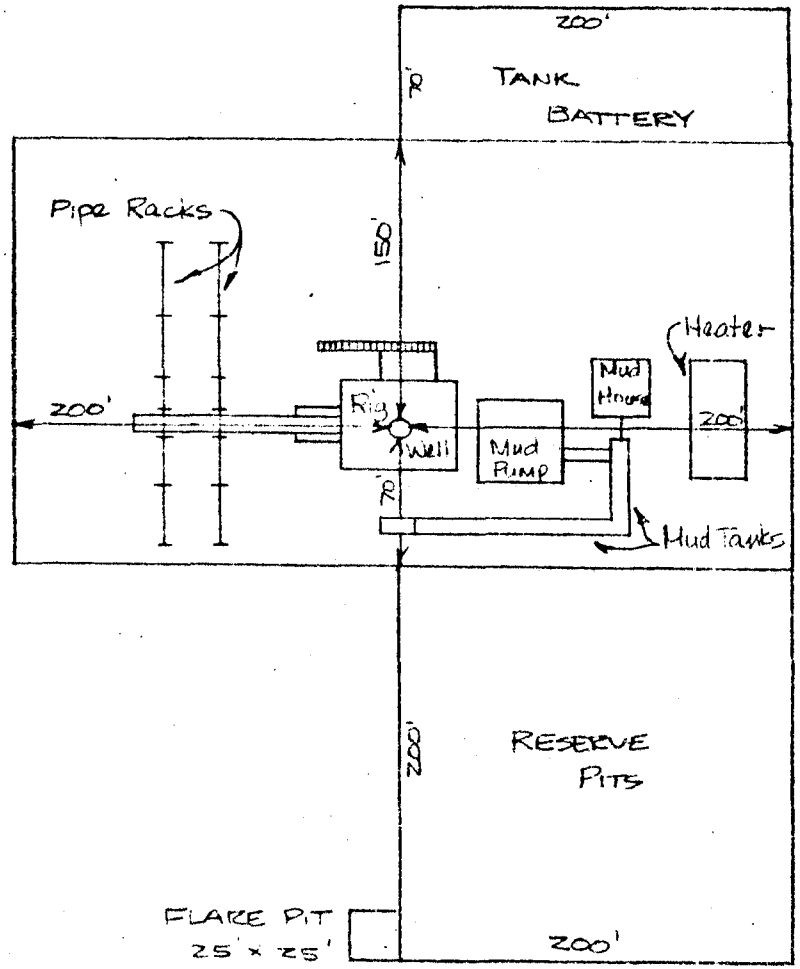
12. TOPOGRAPHY

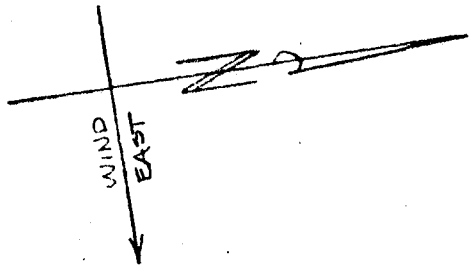
The area around the location consists of rolling hills and steep washes. It is vegetated by juniper, sagebrush, and small grasses. Yellowstone Extension Canal is 0.2 miles North of the location.

# GULF OIL CORPORATION

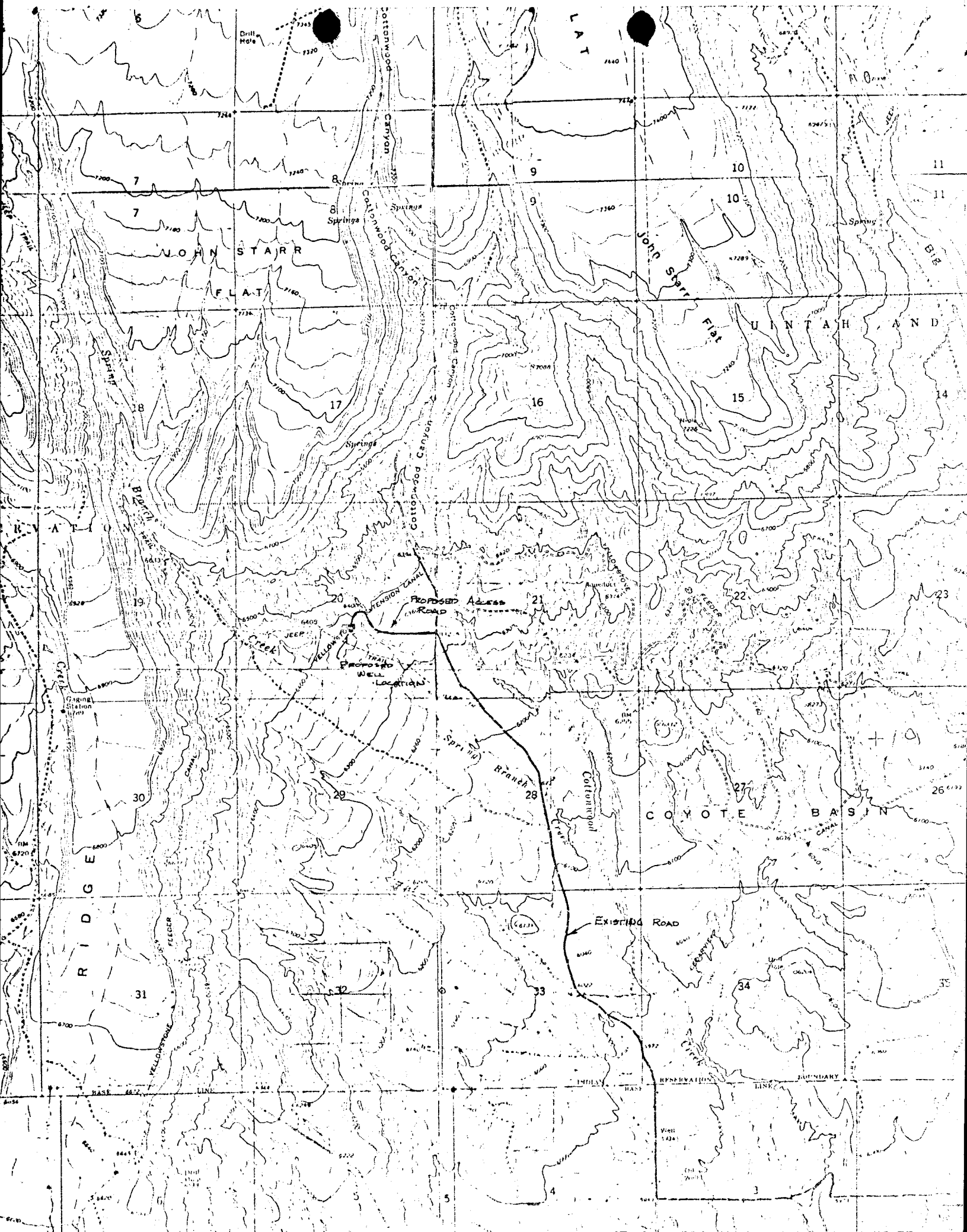
## LOCATION LAYOUT

LOCATED IN
SECTION 20, T 1N, R 2W, U.S.M.




DATE 3/21/75
SCALE 1" = 100'


JOHN STARR FLAT
UINTAH AND
COYOTE BASIN
RIDGE
Cottonwood Canyon
Cottonwood Canyon
Cottonwood Canyon
John Starr Flat
Big Spring
Springs
Springs
Springs
Spring
Drill Hole
Gaging Station
Proposed Access Road
Proposed Well Location
Existing Road
Yellowstone Canal
Extension Canal
Feeder Canal
Aqueduct
Jeep Trail
Sprinkle Branch
Cottonwood Creek
Indian Reservation Boundary
Base Line
7320
7340
7200
7160
7100
7000
6900
6800
6700
6600
6500
6409
6420
6400
6300
6200
6100
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April 1- 1975

Gulf Oil Corporation
Box 2619
Casper, Wyoming 82601

Re: Well No. Ute #1-20Z2
Sec. 20, T. 1 N, R. 2 W,
Duchesne County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with the Order issued in Cause No. 131-14.

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

CLEON B. FEIGHT - Director
HOME: 466-4455
OFFICE: 328-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation relative to the above will be greatly appreciated.

The API number assigned to this well is 43-013-30378.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT
DIRECTOR

CBF:sw
cc: U.S. Geological Survey

Form approved.
Budget Bureau No. 42-R714.4.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ALLOTTEE .....
TRIBE .....
LEASE NO. T.1. 14-20-H62-1537

# LESSEE'S MONTHLY REPORT OF OPERATIONS

*State* Utah *County* Duchesne *Field* Bluebell

*The following is a correct report of operations and production (including drilling and producing wells) for the month of* June, *19*75,

*Agent's address* P. O. Box 2619 *Company* Gulf Oil Corporation

Casper, Wyoming 82601 *Signed* Pauline Whittedge

*Phone* 307-235-5783 *Agent's title* Senior Clerk

| Sec. and ¼ of ¼ | Twp. | Range | Well No. | Days Produced | Barrels of Oil | Gravity | Cu. Ft. of Gas (In thousands) | Gallons of Gasoline Recovered | Barrels of Water (If none, so state) | Remarks (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas) |
|---|---|---|---|---|---|---|---|---|---|---|
| [illegible] | 1N | 2W | 1-20Z2 | - | - | | - | | - | MIRT 7/1/75 Conductor csg set @ 42' GL cmtd w/ ready-mix |

3 - USGS, SLC
2 - Utah Oil & Gas Cons. Comm.
1 - DeGolyer and MacNaughton
1 - NI
1 - Houston
1 - OC
2 - File
1 - Gary

Ute #1-20Z2

NOTE.—There were No runs or sales of oil; No M. cu. ft. of gas sold; No runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Form 9-329A
(December 1948)

16—26231-7 U.S. GOVERNMENT PRINTING OFFICE

Form approved.
Budget Bureau No. 42-R714.4.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ALLOTTEE .....
TRIBE .....
LEASE NO. 14-20-H62-1537

# LESSEE'S MONTHLY REPORT OF OPERATIONS

*State* Utah *County* Duchesne *Field* Bluebell

*The following is a correct report of operations and production (including drilling and producing wells) for the month of* July, *19*75,

*Agent's address* P. O. Box 2619 Casper, Wyoming 82601 *Company* Gulf Oil Corporation

*Signed* Pauline W. Kellogg

*Phone* 307-235-5783 *Agent's title* Senior Clerk

| Sec. and ¼ of ¼ | Twp. | Range | Well No. | Days Produced | Barrels of Oil | Gravity | Cu. Ft. of Gas (in thousands) | Gallons of Gasoline Recovered | Barrels of Water (If none, so state) | REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas) |
|---|---|---|---|---|---|---|---|---|---|---|
| NW SE 20 | 1N | 2W | 1-20Z2 | - | - | | - | | - | TD 9,052' Testing 8/1/75 DST 9,008-9,052 9-5/8" csg set at 2,890' cmtd w/1,380 sx |

3 - U.S.G.S, SLC
2 - Utah Oil & Gas Cons. Comm.
1 - DeGolyer and MacNaughton
1 - KK
1 - Houston
1 - OC
2 - File
1 - Gary

Ute #1-20Z2

NOTE.—There were No runs or sales of oil; No M. cu. ft. of gas sold; ..... runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Form 9-329 A
(December 1948)

16—26231-7 U.S. GOVERNMENT PRINTING OFFICE

Form approved.
Budget Bureau No. 42-R714.4.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ALLOTTEE .....
TRIBE .....
LEASE NO. 14-20-H62-1537

# LESSEE'S MONTHLY REPORT OF OPERATIONS

*State* Utah *County* Duchesne *Field* Bluebell

*The following is a correct report of operations and production (including drilling and producing wells) for the month of* August, 1975

*Agent's address* P. O. Box 2619
Casper, Wyoming 82601

*Company* Gulf Oil Corporation

*Signed* Pauline Whitledge

*Phone* 307-235-5783

*Agent's title* Senior Clerk

| Sec. and ¼ of ¼ | Twp. | Range | Well No. | Days Produced | Barrels of Oil | Gravity | Cu. Ft. of Gas (In thousands) | Gallons of Gasoline Recovered | Barrels of Water (If none, so state) | Remarks (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas) |
|---|---|---|---|---|---|---|---|---|---|---|
| NW SE 20 | 1N | 2W | 1-20Z2 | - | - | | - | | - | TD 12,041' Drlg 9/1 |

OIL: (Barrels)

On hand beginning of month 0
Produced during month 0
Sold during month 0
Unavoidably Lost 0
Reason
On hand at end of month 0

GAS: (MCF)

Sold 0
Flared/Vented 0
Used On/Off Lse 0

WATER: (Barrels)

Disposition 0
Pit 0
Injected 0

3 - U.S.G.S., SLC
2 - Utah Oil & Gas Cons. Comm.
1 - DeGolyer and MacNaughton
9 - NUBI&PPC
1 - KK
1 - Houston
1 - OC
2 - File
1 - BH

CUMULATIVE PRODUCTION

- BO - BW - MCF

UTE #1-20Z2

NOTE.—There were - runs or sales of oil; - M. cu. ft. of gas sold; ..... runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Form 9-329A
(December 1948)

16—26231-7 U.S. GOVERNMENT PRINTING OFFICE

Form approved.
Budget Bureau No. 42-R714.4.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ALLOTTEE .....
TRIBE .....
LEASE NO. 14-20-H62-1537

# LESSEE'S MONTHLY REPORT OF OPERATIONS

*State* Utah *County* Duchesne *Field* Bluebell

*The following is a correct report of operations and production (including drilling and producing wells) for the month of* September, *19*75,

*Agent's address* P. O. Box 2619 *Company* Gulf Oil Corporation
Casper, Wyoming 82601 *Signed* Pauline Whitledge
*Phone* 307-235-5783 *Agent's title* Senior Clerk

| Sec. and ¼ of ¼ | Twp. | Range | Well No. | Days Produced | Barrels of Oil | Gravity | Cu. Ft. of Gas (In thousands) | Gallons of Gasoline Recovered | Barrels of Water (If none, so state) | REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas) |
|---|---|---|---|---|---|---|---|---|---|---|
| NW SE 20 | 1N | 2W | 1-2022 | | | | | | | TD 12,300' PBTD 12,197' Stdg for Completion 10/1 7" csg set at 12,285.67' cmtd w/ 775 sx |

OIL: (Barrels)

On hand beginning of month
Produced during month
Sold during month
Unavoidably Lost
Reason
On hand at end of month

GAS: (MCF)

Sold
Flared/Vented
Used On/Off Lse

WATER: (Barrels)

Disposition
Pit
Injected

3 - U.S.G.S., SLC
2 - Utah Oil & Gas Cons. Comm.
1 - DeGolyer and MacNaughton
9 - NUBD&PPC
1 - KK
1 - Houston
1 - OC
2 - File
1 - BH

CUMULATIVE PRODUCTION

| BO | BW | MCF |
|---|---|---|
| | | |

UTE #1-2022

NOTE.—There were ..... runs or sales of oil; ..... M. cu. ft. of gas sold; ..... runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Form 9-329A
(December 1955)

16—20281-7 U.S. GOVERNMENT PRINTING OFFICE

Form approved.
Budget Bureau No. 42 R714.4.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ALLOTTEE .....
TRIBE .....
LEASE NO. 14-20-H62-1537

# LESSEE'S MONTHLY REPORT OF OPERATIONS

*State* Utah *County* Duchesne *Field* Bluebell

*The following is a correct report of operations and production (including drilling and producing wells) for the month of* October, *19*75

*Agent's address* P. O. Box 2619
Casper, Wyoming 82601
*Phone* 307-235-1311

*Company* Gulf Oil Corporation
*Signed* Pauline Whitledge
*Agent's title* Senior Clerk

| Sec. and ¼ of ¼ | Twp. | Range | Well No. | Days Produced | Barrels of Oil | Gravity | Cu. Ft. of Gas (In thousands) | Gallons of Gasoline Recovered | Barrels of Water (If none, so state) | Remarks (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas) |
|---|---|---|---|---|---|---|---|---|---|---|
| NW SE 20 | 1N | 2W | 1-20Z2 | | - | | - | | 312 | TD 12,300' PBTD 12,197' Wash sand from 9,260- 11,610' 11/1 Perforated 4 holes/ft 11,810-822' and 11,786 796' Treat w/1,000 ga 15% NE-HCL test and treat w/38,700 gal Logel 180 |

During Testing swabbed approximately 46 BO and 312 BW - no oil to stock tanks - water to pit - no gas

OIL: (Barrels)

On hand beginning of month 0
Produced during month 0
Sold during month 0
Unavoidably Lost 0
Reason
On hand at end of month 0

GAS: (MCF)

Sold 0
Flared/Vented 0
Used On/Off Lse 0

WATER: (Barrels)

Disposition 312
Pit 312
Injected 0

3 - U.S.G.S., SLC
2 - Utah Oil & Gas Cons. Comm.
1 - DeGolyer and MacNaughton
9 - NUBD&PPC
1 - KK
1 - Houston
1 - OC
2 - File
1 - BH

CUMULATIVE PRODUCTION

0 BO 312 BW 0 MCF

UTE #1-20Z2

NOTE.—There were No runs or sales of oil; No M. cu. ft. of gas sold; No runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Form 9-329A
(December 1948)

16—20231-7 U.S. GOVERNMENT PRINTING OFFICE

RECEIVED DEC 19 1975

Form approved.
Budget Bureau No. 42-R714.4.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ALLOTTEE .....
TRIBE .....
LEASE NO. 14-20-H62-1537

# LESSEE'S MONTHLY REPORT OF OPERATIONS

*State* Utah *County* Duchesne *Field* Bluebell

*The following is a correct report of operations and production (including drilling and producing wells) for the month of* November, 1975,

*Agent's address* P. O. Box 2619 *Company* Gulf Oil Corporation

Casper, Wyoming 82601 *Signed* Pauline Whitledge

*Phone* 307-235-1311 *Agent's title* Senior Clerk

| Sec. and ¼ of ¼ | Twp. | Range | Well No. | Days Produced | Barrels of Oil | Gravity | Cu. Ft. of Gas (In thousands) | Gallons of Gasoline Recovered | Barrels of Water (If none, so state) | Remarks (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas) |
|---|---|---|---|---|---|---|---|---|---|---|
| NW SE 20 | 1N | 2W | 1-20Z2 | | | | | | | TD 12,300' PBTD 12,197' Swbg 12/1 |

Set CIBP @ 11,740' and Perf'd 4 holes per ft 11,699-11,710, 11,657-11,667', 11,620-11,630' Treated w/3,000 gal 15% HCL w/additives and swbd to test. Reset CIBP @ 11,600' and perf'd 4 holes/ft 11,558-11,564', 11,544-11,550', 11,435-11,436', 11,381-11,389'. Treated w/1,000 gal 15% HCL w/additives perfs 11,560-11,566' and 11,546-11,552'; treated perfs 11,437-448' w/1,000 gal 15% HCL w/additives; treated perfs 11,384-11,392' w/1,000 gal 15% HCL w/additives and swabbed to test. Perforated 4 HPF 11,603-11,590', 11,580-11,570', 11,400-11,392' and treated w/500 gal 15% NE-HCL Swbg to test - all oil recovered and load water during testing to pit

OIL: (Barrels)

On hand beginning of month 0
Produced during month 0
Sold during month 0
Unavoidably Lost 0
Reason
On hand at end of month 0

GAS: (MCF)

Sold 0
Flared/Vented 0
Used On/Off Lse 0

WATER: (Barrels)

Disposition 0
Pit 0
Injected 0

3 - U.S.G.S., SLC
2 - Utah Oil & Gas Cons. Comm.
1 - DeGolyer and MacNaughton
9 - NUBI&PPC
1 - KK
1 - Houston
1 - OC
2 - File
1 - BH

CUMULATIVE PRODUCTION

0 BO 312 BW 0 MCF

UTE #1-20Z2

NOTE.—There were No runs or sales of oil; No M. cu. ft. of gas sold; ..... runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Form 9-329A
(December 1948)

16—26231-7 U.S. GOVERNMENT PRINTING OFFICE

RECEIVED
JAN 19 1976

Form approved.
Budget Bureau No. 42-R714.4.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ALLOTTEE .....
TRIBE .....
LEASE NO. 14-20-H62-1537

# LESSEE'S MONTHLY REPORT OF OPERATIONS

*State* Utah *County* Duchesne *Field* Bluebell

*The following is a correct report of operations and production (including drilling and producing wells) for the month of* December, 19 75

*Agent's address* P. O. Box 2619 *Company* Gulf Oil Corporation

Casper, Wyoming 82601 *Signed* Pauline Whitledge

*Phone* 307-235-1311 *Agent's title* Senior Clerk

| Sec. and ¼ of ¼ | Twp. | Range | Well No. | Days Produced | Barrels of Oil | Gravity | Cu. Ft. of Gas (In thousands) | Gallons of Gasoline Recovered | Barrels of Water (If none, so state) | REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas) |
|---|---|---|---|---|---|---|---|---|---|---|
| NW SE 20 | 1N | 2W | 1-20Z2 | | | | | | | TD 12,300' PBTD 12,197' Installing pumping equipment 1/1/76 |

Reset BP @ 11,204' Squeeze perfs 11,010-11,035' w/150 sx cmt. Perf 4 HPF 10,910-920' and swab tested. Treated w/1,000 gal 15% NE/HCL and swabbed. Squeezed w/150 sx cmt. Set packer @ 10,642' and swab tested. Pushed BP to 12,035' installing production equip. All fluid recovered to pit est. 91.5 BO 320 BW.

OIL: (Barrels)

On hand beginning of month
Produced during month
Sold during month
Unavoidably Lost
Reason
On hand at end of month

GAS: (MCF)

Sold
Flared/Vented
Used On/Off Lse

WATER: (Barrels)

Disposition
Pit
Injected

3 - U.S.G.S., SLC
2 - Utah Oil & Gas Cons. Comm.
1 - DeGolyer and MacNaughton
9 - NUBD&PPC
1 - KK
1 - Houston
1 - OC
2 - File
1 - BH

CUMULATIVE PRODUCTION

| BO | BW | MCF |
|---|---|---|
| | | |

UTE #1-20Z2

NOTE.—There were No runs or sales of oil; No M. cu. ft. of gas sold; ..... runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Form 9-329A
(December 1968)

16—26231-7 U.S. GOVERNMENT PRINTING OFFICE

FORM OGC-8-X
FILE IN QUADRUPLICATE

RECEIVED
JAN 29 1976
DIVISION OF OIL, GAS, & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS CONSERVATION
1588 West North Temple
Salt Lake City, Utah 84116

## REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name and Number: Ute 1-20Z2

Operator: Gulf Oil Corporation

Address: P.O. Box2619, Casper, Wyo. 82602

Contractor: Noble Drilling Corp.

Address: 2522 Lincoln Center Bldg., Denver, CO. 80203

Location NW 1/4, SE 1/4, Sec. 20; T. 1 N; R. 2 ~~E~~ W; Duchesne County

Water Sands:

| | Depth: From- | To- | Volume: Flow Rate or Head - | Quality: Fresh or Salty - |
|---|---|---|---|---|
| 1. | 9304 | 9370 | Recovered 720' water (9.1bbl) D.S.T. open 125 minutes | Resistivity 3.40 ohms @ 75°F HP 4766#; Flow in 104# Hyd 457 Shut in: 4038# Shut in 3558 |
| 2. | 10870 | 10998 | DST open 135 min. Recov 1140' water (12.7bbl) | RESIS: 1.9 ohm @ 74' HYD PRES: 5139# Flow " 83# - 104# Shut in 291 - 2683 |
| ~~3.~~ | | | | |
| 3. | 11003 - | 11080 | DST: open 125 min Recov: 1469' (16.3 bbl) WATER | RESIS: 1.85 ohms @ 79° HYD PRESS 5159# FLO " 62.4 - 249.5# Shut in " 4661# - 4682# |
| 5. | | | | |

(Continue on Reverse Side if Necessary)

Formation Tops:

GREEN RIVER 8450'
LOWER " " 10870'
Wasatch 12100'

NOTE: (a) Upon diminishing supply of forms, please inform this office.
(b) Report on this form as provided for in Rule C-20, General Rules And Regulations and Rules of Practice and Procedure.
(c) If a water quality analysis has been made of the above reported zone, please forward a copy along with this form.

Form 9-330
(Rev. 5-63)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE (See other instructions on reverse side)

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

10

# WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL [XX] GAS WELL [ ] DRY [ ] Other

b. TYPE OF COMPLETION: NEW WELL [XXX] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] Other

2. NAME OF OPERATOR: Gulf Oil Corporation

3. ADDRESS OF OPERATOR: P. O. Box 2619; Casper, WY 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface: 2432' WEL & 1962' NSL (NW SE)
At top prod. interval reported below: Same
At total depth: Same

RECEIVED MAR 8 1976 DIVISION OF GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME: Ute

9. WELL NO.: 1-20Z2

10. FIELD AND POOL, OR WILDCAT: Bluebell

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: 20-1N-2W

14. PERMIT NO.: 43-[illegible] DATE ISSUED

12. COUNTY OR PARISH: Duchesne

13. STATE: Utah

| 15. DATE SPUDDED | 16. DATE T.D. REACHED | 17. DATE COMPL. (Ready to prod.) | 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* | 19. ELEV. CASINGHEAD |
|---|---|---|---|---|
| 7/4/75 | 9/7/75 | 1/14/76 | 6,376' GL | |

| 20. TOTAL DEPTH, MD & TVD | 21. PLUG, BACK T.D., MD & TVD | 22. IF MULTIPLE COMPL., HOW MANY* | 23. INTERVALS DRILLED BY | ROTARY TOOLS | CABLE TOOLS |
|---|---|---|---|---|---|
| 12,300' | 12,197' | ---- | → | 0' to TD | -------- |

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

25. WAS DIRECTIONAL SURVEY MADE: ----------

26. TYPE ELECTRIC AND OTHER LOGS RUN: DIL, CNL-FDC-GR, BHC-GR

27. WAS WELL CORED: Yes

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

| CASING SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
|---|---|---|---|---|---|
| 16" | 65# | 42' | 20" | To Surface | |
| 9 5/8" | 36# | 2,890' | 12 1/4" | 1380 Sx | |
| 7" | 26&29# | 12,286' | 8 3/4" | 775 SX | |

29. LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) |
|---|---|---|---|---|
| None | | | | |

30. TUBING RECORD

| SIZE | DEPTH SET (MD) | PACKER SET (MD) |
|---|---|---|
| 2 7/8" | 11,680' | |

31. PERFORATION RECORD (Interval, size and number): See Attached

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

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED |
|---|---|
| See Attached | |

33.* Producing water only

PRODUCTION

| DATE FIRST PRODUCTION | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) | WELL STATUS (Producing or shut-in) |
|---|---|---|
| 1/13/76 | Pumping (Swabbing) | Producing water |

| DATE OF TEST | HOURS TESTED | CHOKE SIZE | PROD'N. FOR TEST PERIOD | OIL—BBL. | GAS—MCF. | WATER—BBL. | GAS-OIL RATIO |
|---|---|---|---|---|---|---|---|
| 2/14/76 | 7 | | → | ----- | ---- | 23 | ----- |

| FLOW. TUBING PRESS. | CASING PRESSURE | CALCULATED 24-HOUR RATE | OIL—BBL. | GAS—MCF. | WATER—BBL. | OIL GRAVITY-API (CORR.) |
|---|---|---|---|---|---|---|
| ------- | ------- | → | ------- | ---------- | 79 | --------- |

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): None

TEST WITNESSED BY

35. LIST OF ATTACHMENTS: Perforation record; logs were sent 1/20/76

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

SIGNED H. S. Sealy TITLE Area Engineer DATE 3/2/76

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

# 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.
If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.
**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.
**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.
**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.
**Item 29:** *"Sacks Cement":* Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.
**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

| FORMATION | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC. |
|---|---|---|---|
| Core #1 (Lower Green River) | 11,033 | 11,090 | Cut 57', rec. 53': sandstone, gray, very fine gr to silty & conglomeritic in pt, hd tite, fractured in pt. |

38. GEOLOGIC MARKERS

| NAME | TOP MEAS. DEPTH | TOP TRUE VERT. DEPTH |
|---|---|---|
| Green River | 8,450 | 8,450 |
| Lower G. River | 10,870 | 10,870 |
| Wasatch | 12,100 | 12,100 |

cc: USGS
Utah Oil & Gas
Gulf Oil Corporation

U.S. GOVERNMENT PRINTING OFFICE: 1963—O-683636
837-497

UTE 1-20Z2

PERFORATION & ACIDIZING RECORD

Perf 11,810'-822', 11,786'-796', 22', 88 holes, 2 intervals w/ 4 jet SPF. Jet perf 4 holes/ft 11,699'-11,710', 11'; 11,657'-11,667', 10'; 11,620'-11,630', 10'. Total 31', 124 holes. Jet perf 4 HPF w/ 4" OD csg gun 11,558'-64', 11,544'-50', 11,435'-46', 11,381'-89'. 31', 124 holes, 4 intervals. Perf 4 HPF w/ 4" OD csg gun 11,014'-11,039', 25', 100 holes. Pump in perfs 11,010'-11,035' @ 4 B/M @ 1400#. Squeeze perfs by Howco w/ 150 sx. Perf 4 HPF w/ 4" OD csg gun w/ Hyper jets from 10,910'-920'.

10/25/75 Pumped 1000 gals 15% NE-HCl down 2 7/8" OD tbg.

11/25/75 Treat down 2 7/8" tbg w/ 500 gals 15% NE-HCl acid.

11/12/75 Treat down 2 7/8" OD tbg w/ 3000 gals 15% HCL acid.

11/18/75 Treat perfs 11,560'-11,566' and 11,546'-11,552' down 2 7/8" tbg w/ 1000 gals 15% HCl acid. Treat perfs 11,437'-11,448'. Treat down 2 7/8" tbg w/ 1000 gals 15% HCl acid.

11/19/75 Treat perfs 11,384'-392'. Acidized down 2 7/8" tbg w/ 1000 gals 15% HCl acid.

12/9/75 Treat down 2 7/8" tbg w/ 1000 gals 15% NE-HCl acid in one stage.

JOHNSTON

Schlumberger

# computerized data analysis

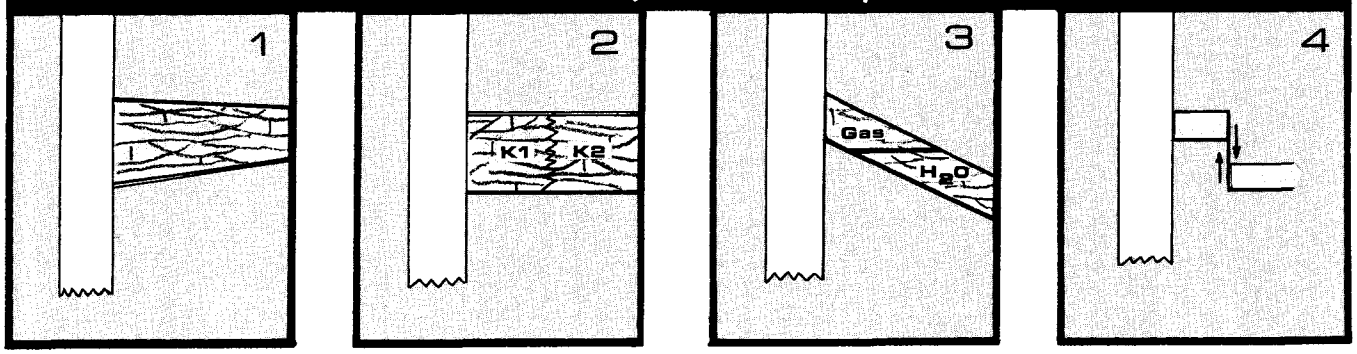
RECEIVED
MAR 8 1976
DIVISION OF OIL, GAS, & MINING

F.R. # 09218 C

COMPANY GULF OIL COMPANY WELL UTE # 1-2022 TEST NO. 1 COUNTY DUCHESNE STATE UTAH

# GEOLOGICAL INTERPRETATION GUIDE*

## 1 General Causes of a Break Upward in Slope Value



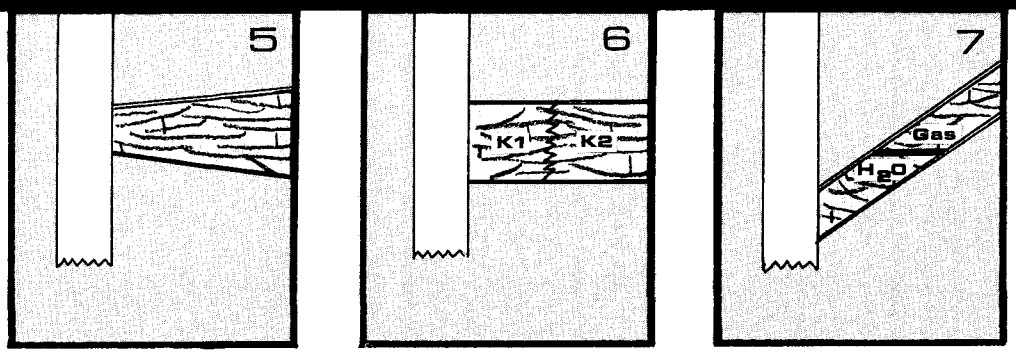

Decrease in thickness of pay zone away from well bore

Decrease in effective permeability away from well bore (facies change) $K_1 > K_2$

Increase in fluid viscosities away from the well bore (gas-water contact, gas-oil contact)

Sealing barrier (fault)

## 2 General Causes of A Break Downward in Slope Value

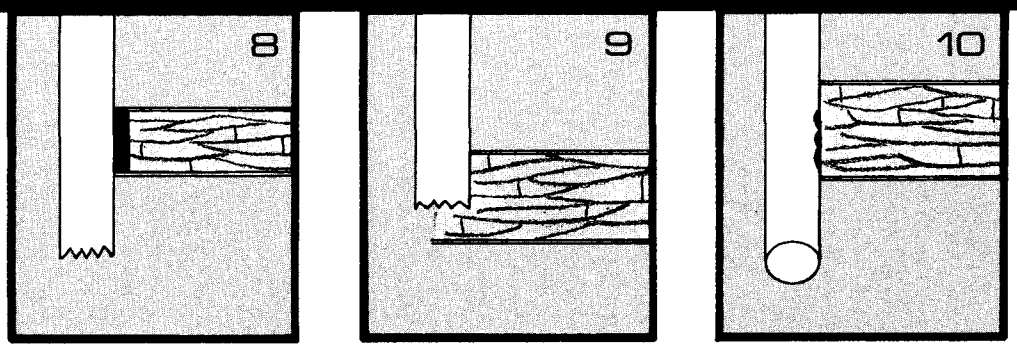



Increase in thickness of pay zone away from well bore

Increase in effective permeability away from well bore $K_1 < K_2$

Decrease in fluid viscosities away from well bore

## 3 Conditions Which Will Give A Damage Indication




**True Skin Damage** - (Caused by: filtrate invasion, bit damage, drilling solids invasion, etc.)

**Pseudo Damage** - Incomplete penetration of porous zone

**Pseudo Damage** - Choking effect of perforations (cased hole)

*Illustrated causes of anomalies detected through pressure build-up analysis with Johnston "Computerized Data Analysis"

JOHNSTON
Schlumberger



# COMPUTERIZED DATA ANALYSIS

AUGUST 5, 1975

GENTLEMEN:

THE ENCLOSED TEST APPEARS TO BE A GOOD MECHANICAL DRILL STEM TEST DURING WHICH THE TOOLS DID FUNCTION PROPERLY. THE FORMATION DID NOT PRODUCE ENOUGH RESERVOIR FLUID FOR PROPER IDENTIFICATION. RESERVOIR PRESSURE DRAWDOWN WAS SUFFICIENT BUT ADEQUATE SHUT-IN BUILD-UPS DID NOT OCCUR FOR RELIABLE QUANTITATIVE ANALYSIS USING THE HORNER METHOD. AFTERFLOW WAS STILL IN EFFECT ON THE INITIAL AND FINAL SHUT-IN BUILD-UPS TO THE EXTENT THAT THE HORNER PLOTS ARE CONSIDERED UNRELIABLE FOR ANALYSIS. DUE TO THE DOMINANCE OF AFTERFLOW, THE MCKINLEY METHOD WAS EMPLOYED TO CALCULATE RESERVOIR PARAMETERS.

1. FLOW RATE: A FLOW RATE OF 8 BBLS/DAY OF LIQUID WAS NOTED DURING THIS TEST.

2. RESERVOIR PRESSURE: EXTRAPOLATION OF THE FINAL SHUT-IN PRESSURE BUILD-UP INDICATES A MAXIMUM RESERVOIR PRESSURE OF 3925 P.S.I.G. AT RECORDER DEPTH. EXTRAPOLATION OF THE INITIAL WAS NOT POSSIBLE DUE TO THE DOMINANCE OF AFTERFLOW.

3. PERMEABILITY: THE CALCULATED TRANSMISSIBILITY FACTOR OF 4.23 MD.-FT./CP. INDICATES AN AVERAGE EFFECTIVE PERMEABILITY TO LIQUID OF .14 MD. FOR THE REPORTED 30 FOOT TEST INTERVAL. THE CALCULATIONS WERE BASED ON THE INDICATED TRANSMISSIBILITY OBTAINED FROM THE MCKINLEY PLOT. IT WAS ASSUMED FOR THESE CALCULATIONS THE PRODUCT OF THE LIQUID VISCOSITY AND FORMATION VOLUME FACTOR TO BE 1.0.

4. WELL BORE DAMAGE: THE CALCULATED ESTIMATED DAMAGE RATIO OF 2.64 INDICATES THAT WELL BORE DAMAGE IS PRESENT AT THE TIME AND CONDITIONS OF THIS TEST. THIS VALUE INFERS THAT THE RATE OF PRODUCTION OBSERVED AT THE FORMATION FACE DURING THIS TEST MAY BE INCREASED 2.64 TIMES IF THE WELL BORE DAMAGE ALONE WERE REMOVED.

5. RADIUS OF INVESTIGATION: THE CALCULATED RADIUS OF INVESTIGATION OF THIS TEST IS 27 FEET BASED ON AN ASSUMED POROSITY OF 10%, COMPRESSIBILITY OF $4.0 \times 10^{-6}$, AND OTHER ASSUMPTIONS MADE IN NUMBER 3 ABOVE.

6. GENERAL COMMENTS: THE FORMATION EXHIBITS THE CHARACTERISTICS OF RELATIVELY LOW PERMEABILITY EFFECTIVE TO THE RESERVOIR FLUID AND INDICATES THE PRESENCE OF WELL BORE DAMAGE. CLEAN-UP OF DAMAGE COULD INCREASE FLOW CAPACITY. HOWEVER, THE CONTROLLING FACTOR WOULD BE LOW PERMEABILITY. LOCAL CONDITIONS SHOULD BE CONSULTED TO DETERMINE THE MOST EFFICIENT TYPE OF TREATMENT.

JOHN F. VISCARDE
INTERPRETATION AND
EVALUATION DEPARTMENT

GULF OIL COMPANY
UTE # 1-2022; DUCHESNE COUNTY, UTAH
TEST # 1; 9008' TO 9052'
SECTION: 20-T1N-R2W

FIELD REPORT # 09218 C

# Reservoir Engineering Data

**JOHNSTON**
*...found a better way*

Recorder No. J-529

Field Report No. 09218 C

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Estimated Damage Ratio | EDR | 2.64 | | Effective Transmissibility LIQUID | $\frac{Kh}{\mu B}$ | 4.23 | $\frac{Md\text{-}ft.}{Cp.}$ |
| Maximum Reservoir Pressure FINAL SHUT-IN | $P_o$ | 3925 | P.S.I.G. | Effective Transmissability | $\frac{Kh}{\mu B}$ | - | $\frac{Md\text{-}ft.}{Cp.}$ |
| Slope of Shut-in Curve CALCULATED | M | 308 | PSI/log cycle | Flow Rate LIQUID | Q | 8 | Bbl./day |
| Potentiometric Surface (Datum Plane, Sea Level) | PS | 6424 | ft. | Pressure Gradient | | .435 | PSI/ft. |
| Productivity Index | PI | .002 | Bbl./day/PSI | Gas Oil Ratio | GOR | 4 | CF/Bbl. |
| Radius of Investigation | | 27 | ft. | K (Effective to LIQUID ) | | .14 | Md. |

## Assumptions made for Calculations for Liquid Recoveries

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

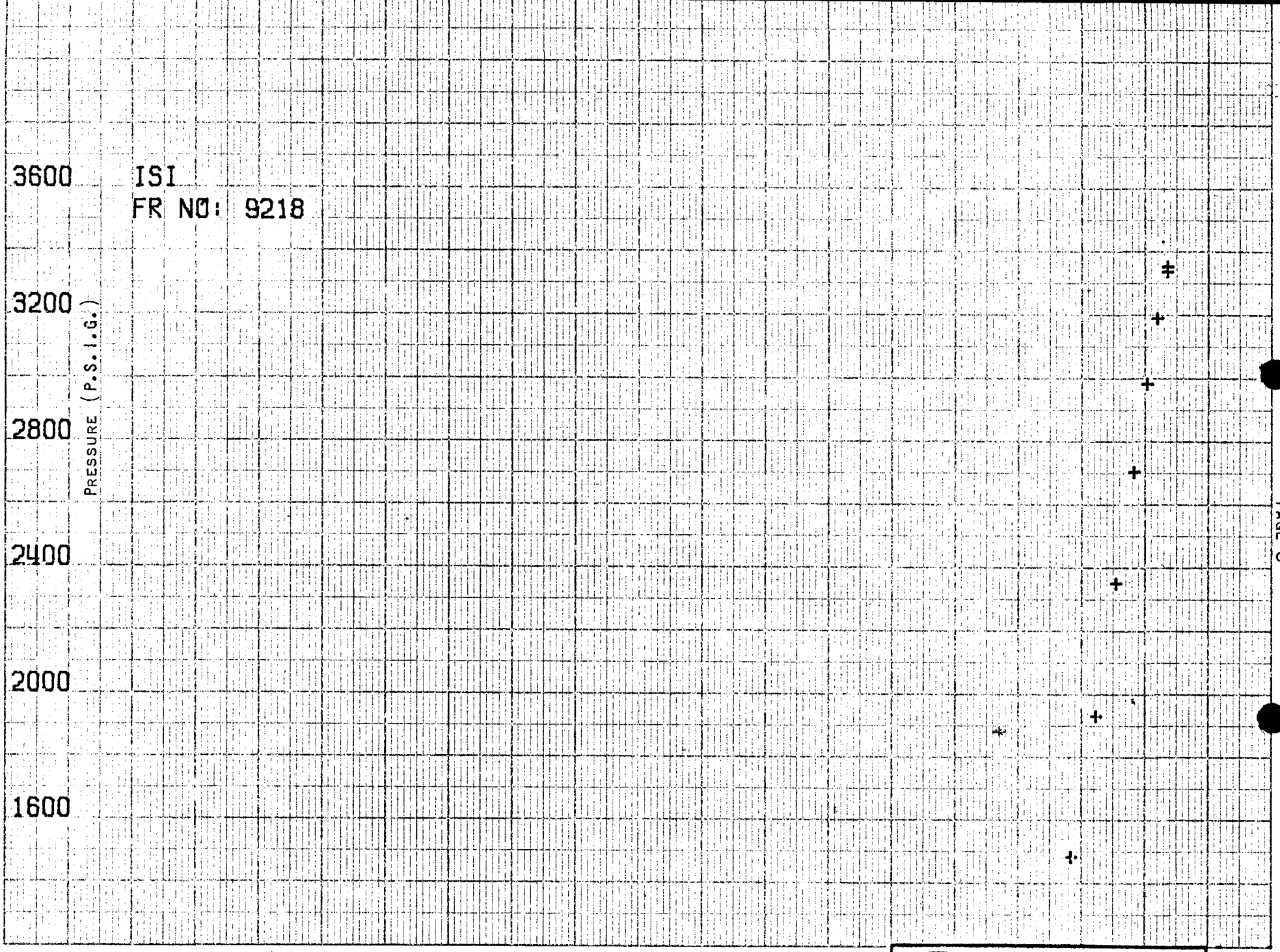
| | |
|---|---|
| Effective permeability, K, will fall between | 1 to 200 md |
| Formation porosity, $\phi$, will fall between | 0.1 to 0.3 |
| Fluid compressibility, c, will fall between | $10^{-6}$ to $10^{-4}$ |
| Fluid viscosity, $\mu$, will fall between | 0.05 to 50 cp. |
| Well bore radius, $r_w$, will fall between | $3\frac{7}{8}$" to $4\frac{3}{8}$" |
| Which gives an average value for the function $\log \frac{K}{\phi \mu c r_w^2}$ of | 5.5 |

6. Other standard radial flow, equilibrium assumptions.

Empirical Equations:

1. $EDR = \frac{P_o - P_f}{M(\log T + 2.65)}$ where $M = \frac{P_1 - P_{10}}{\text{Log Cycle}}$
2. Transmissibility $\frac{Kh}{\mu\beta} = \frac{162.6\ Q}{M}$
3. DST $J = \frac{Q}{P_o - P_f}$ Theoretical $J = \frac{7.08 \times 10^{-3}\ Kh}{\mu\beta \ln (r_e/r_w)}$ Assumed $\ln (r_e/r_w) = 7.60$
4. P.S. = $\left[P_o \times 2.309 \text{ ft./PSI}\right] - \left[\text{Recorder depth to sea level.}\right]$
5. Radius of investigation, $r_i = \sqrt{\frac{Kt}{40\phi\mu c}}$ where t = time in days

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

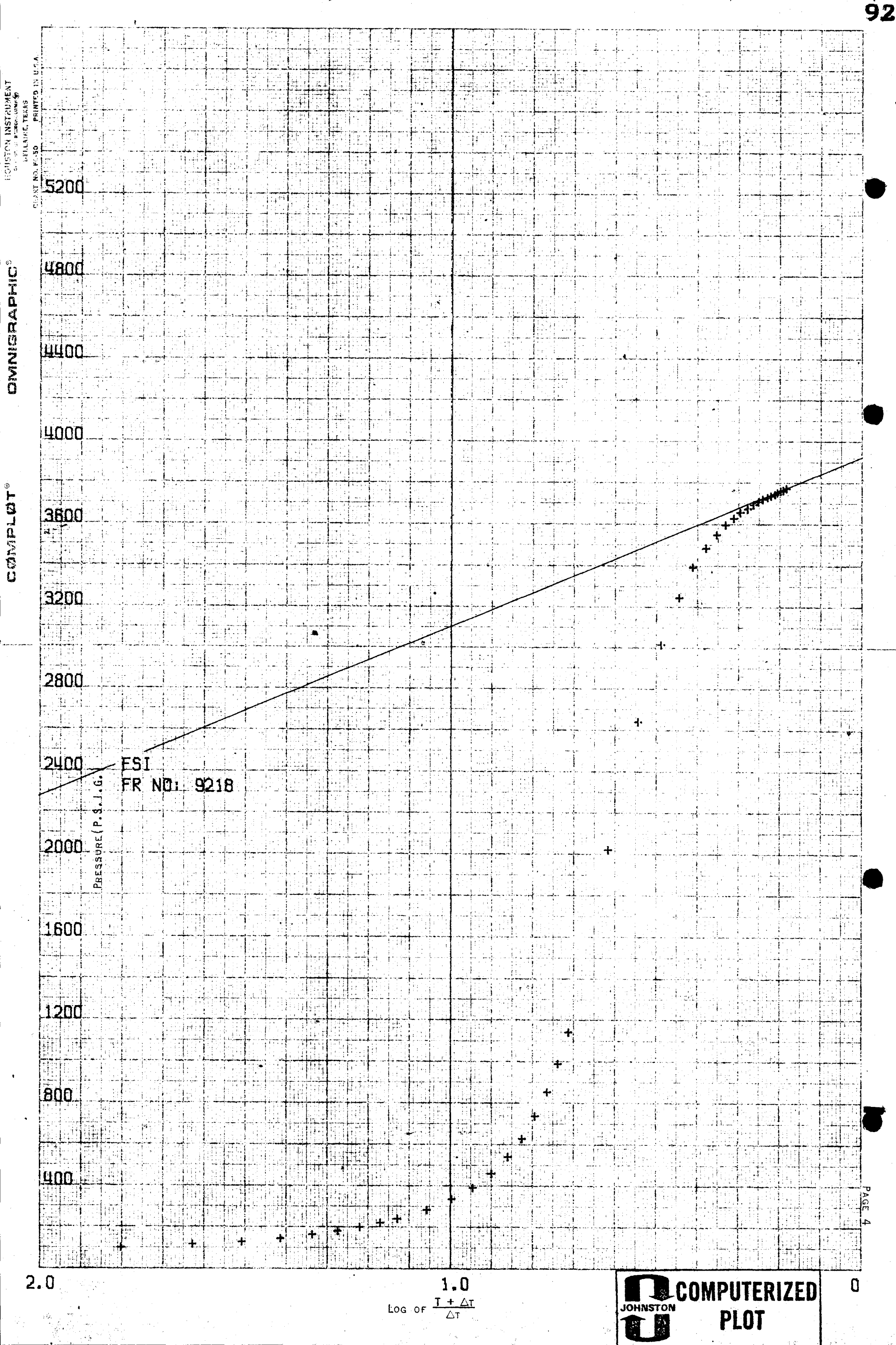



0.5

LOG OF $\frac{T + \Delta T}{\Delta T}$

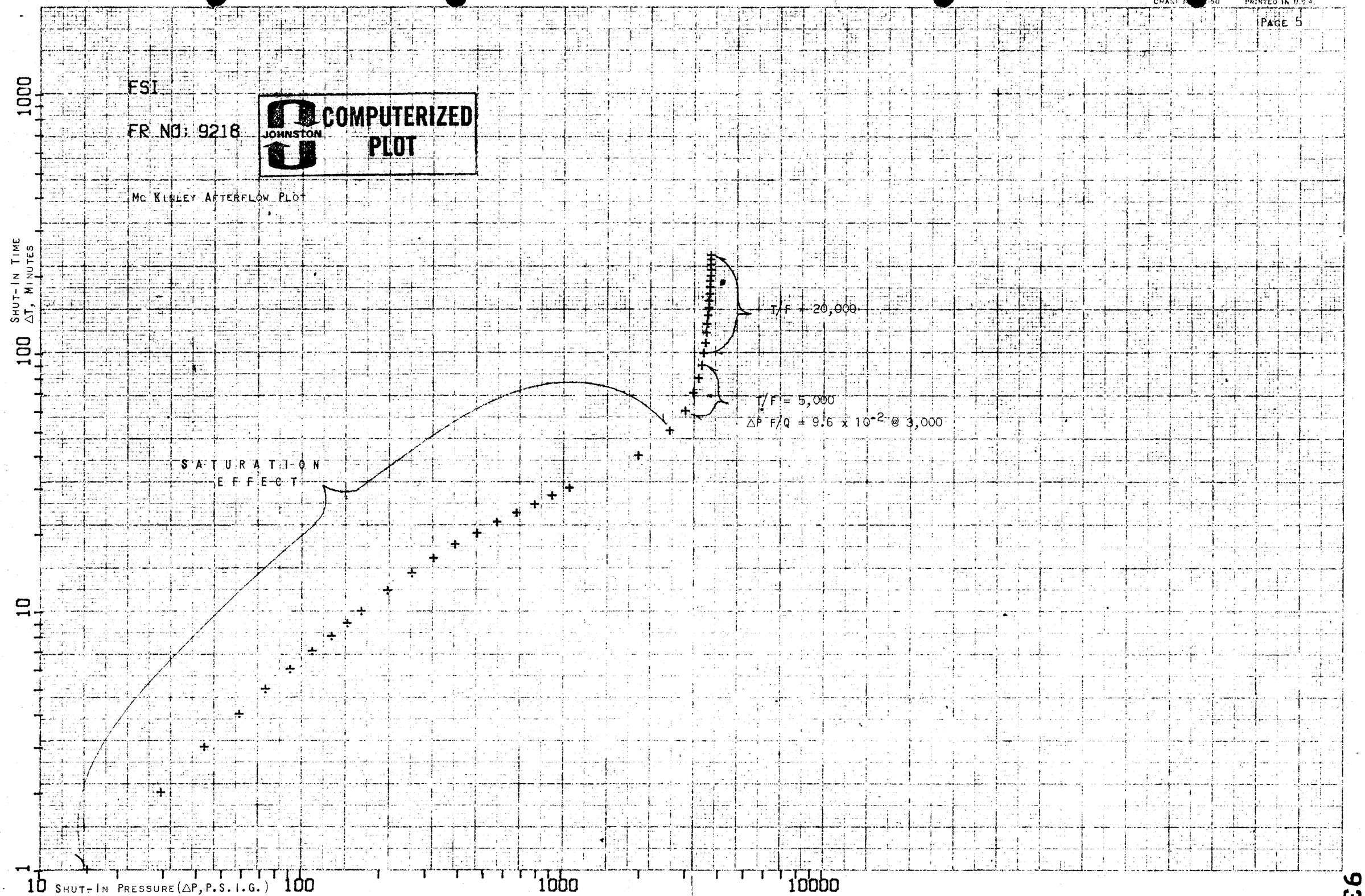
0

JOHNSTON COMPUTERIZED PLOT


5200
4800
4400
4000
3600
3200
2800
2400
2000
1600
1200
800
400
FSI
FR NO: 9218
PRESSURE (P.S.I.G.)
2.0
1.0
0
LOG OF (T + ΔT)/ΔT
JOHNSTON
COMPUTERIZED PLOT
OMNIGRAPHIC
COMPLOT
PAGE 4

COMPLOT® OMNIGRAPHIC® HOUSTON INSTRUMENT BELLAIRE, TEXAS PRINTED IN U.S.A.





JOHNSTON

# PRESSURE LOG*

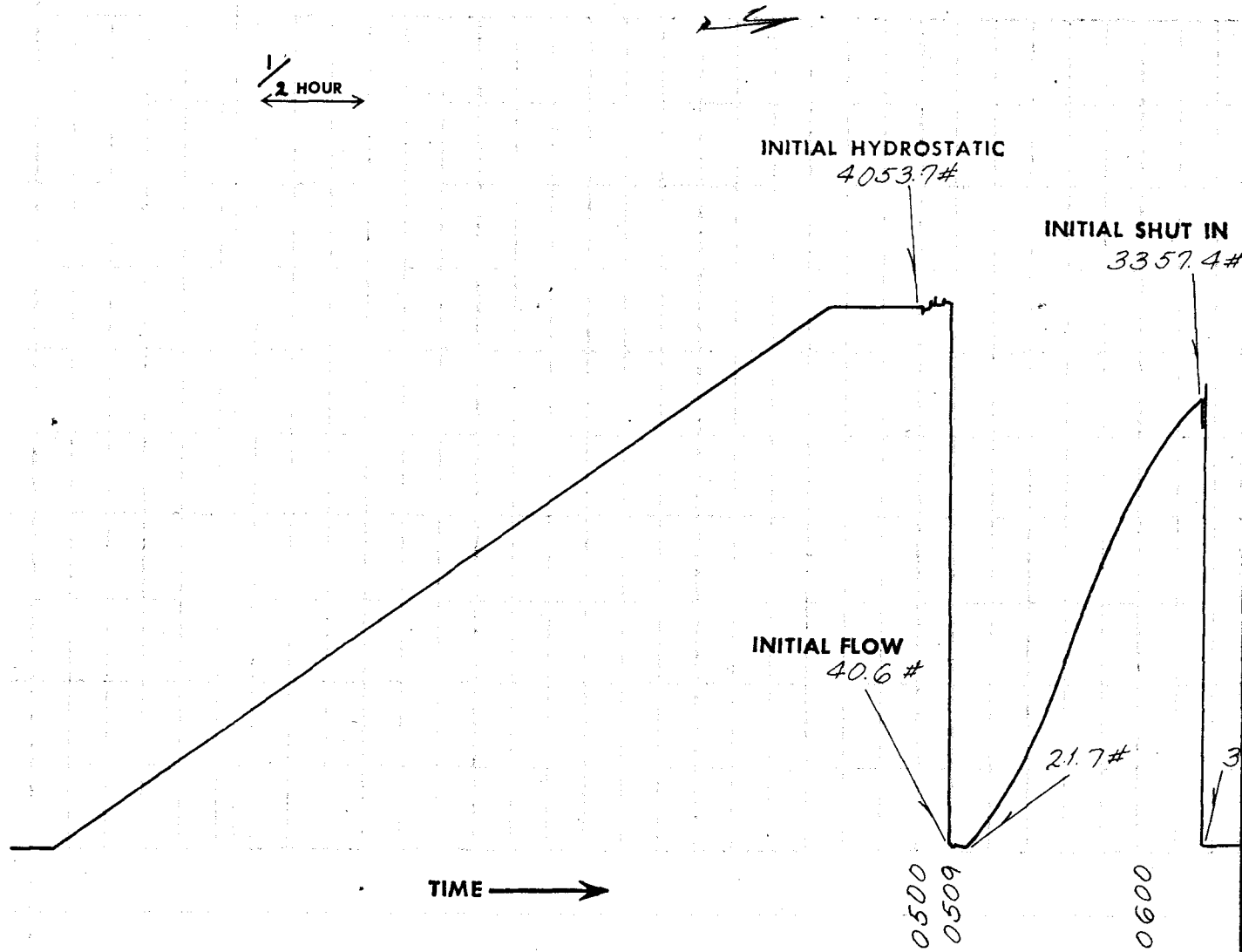
Field Report No. 09218 C

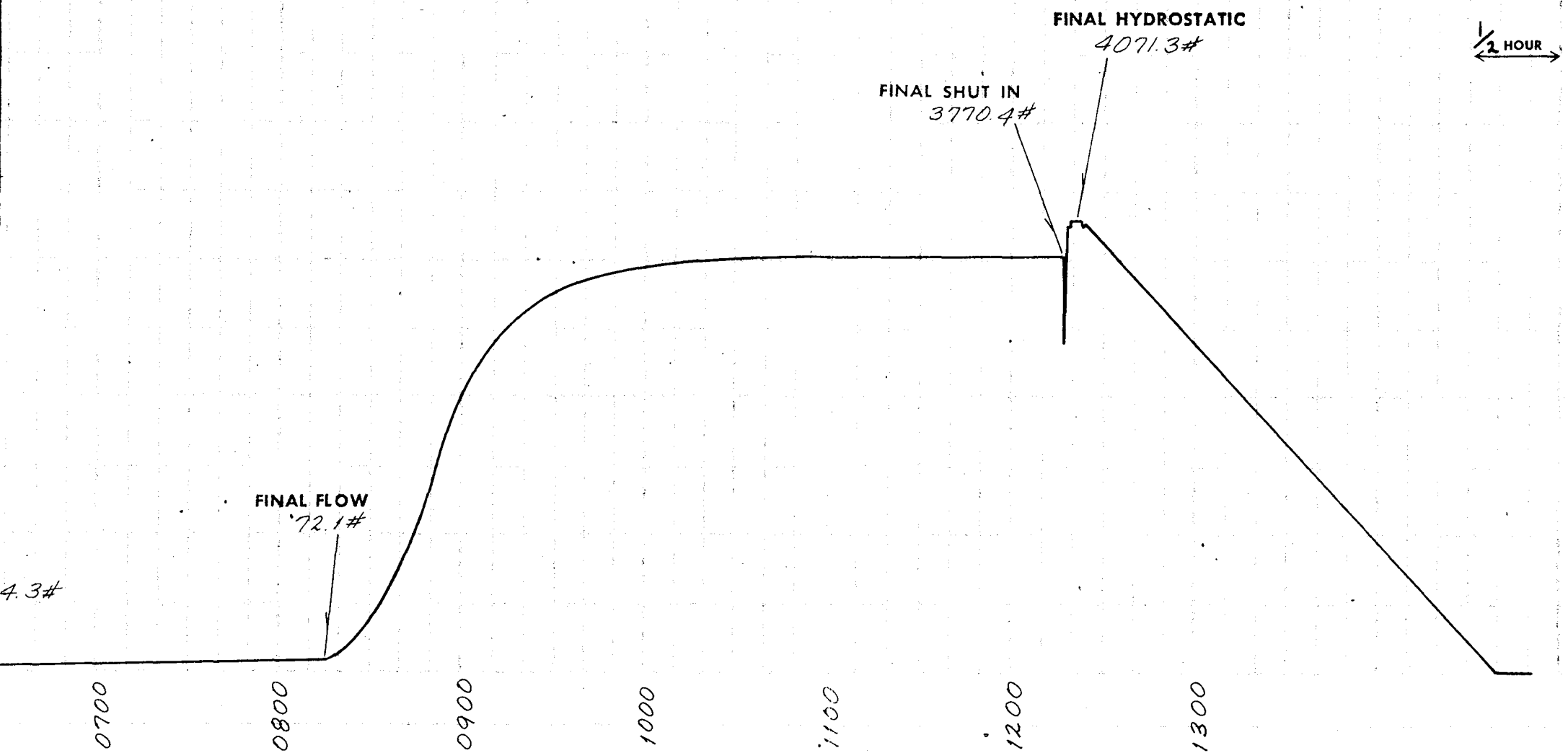
Instrument: Number J-529

Capacity 6400 p.s.i.

Depth 9015 ft.

*a continuous tracing of the original chart




FINAL HYDROSTATIC
4071.3#
1/2 HOUR
FINAL SHUT IN
3770.4#
FINAL FLOW
72.1#
4.3#
0700
0800
0900
1000
1100
1200
1300

Form J-228b

JOHNSTON Schlumberger

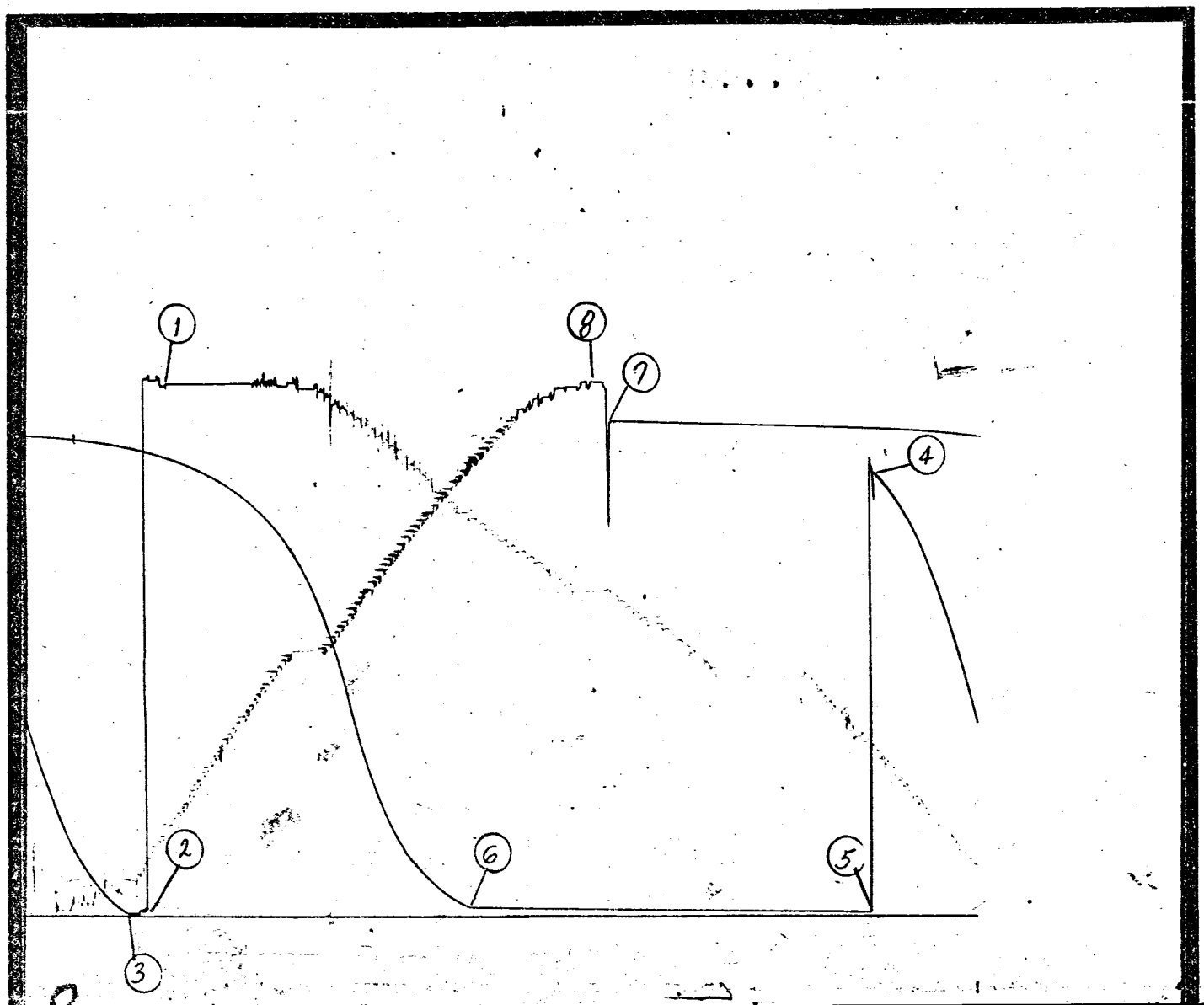
FIELD REPORT NO.: 09218 C

INSTRUMENT NO.: J-529

CAPACITY: 6400#

NO. OF REPORTS: 8-

PRESSURE DATA FROM THIS CHART IS PRESENTED ON NEXT PAGE



**JOHNSTON**
*...found a better way*

## SURFACE INFORMATION

| Description (Rate of Flow) | Time | Pressure (P.S.I.G.) | Surface Choke |
|---|---|---|---|
| Opened Tool | 0509 | - | 1/4" |
| BLOW, 1" IN WATER SLOWLY | | | |
| INCREASING TO BLOW, 5" IN WATER | | | |
| CLOSED FOR INITIAL SHUT-IN | 0514 | - | " |
| FINISHED SHUT-IN | 0614 | - | " |
| RE-OPENED TOOL | 0616 | - | " |
| BLOW, 5" IN WATER | | | |
| INCREASING TO BLOW OFF | | | |
| BOTTOM OF BUCKET IMMEDIATELY | | | |
| | 0645 | 13 oz. | " |
| | 0715 | 14 oz. | " |
| | 0745 | 15 oz. | " |
| CLOSED FOR FINAL SHUT-IN | 0816 | - | " |
| FINISHED SHUT-IN | 1216 | - | " |
| PULLED PACKER LOOSE | 1217 | - | - |

| Cushion Type | Amount | Pressure | Bottom Choke |
|---|---|---|---|
| | - | | Size 15/16" |

## MUD DATA

Mud Type: WATER - CHEMICAL  Wt.: 8.5
Viscosity: 44  Water Loss: 22 C.C.
Resist: of Mud 1.9 @ 70 °F; of Filtrate 1.7 @ 72 °F
Chloride Content: 300 PPM

## EQUIPMENT & HOLE DATA

Type Test: M.F.E. OPEN HOLE
Formation Tested: GREEN RIVER
Elevation: 6376 G. L. 6398 K. B. Ft.
Net Productive Interval: 30 Ft.
Estimated Porosity: 10 %
All Depths Measured From: KELLY BUSHING
Total Depth: 9052 Ft.
Main Hole/Casing Size: 8 3/4"
Rat Hole/Liner Size: -
Drill Collar Length: 691' I.D. 2.75"
Drill Pipe Length: 8280' I.D. 3.826"
Packer Depth(s): 9002' & 9008' Ft.

## MULTI-FLOW EVALUATOR FLUID SAMPLE DATA

Sampler Pressure: 60 P.S.I.G. at Surface
Recovery: Cu. Ft. Gas: .01
cc. Oil: 400
cc. Water: -
cc. Mud: 750
Tot. Liquid cc.: 1150
Gravity: - °API @ - °F.
Gas/Oil Ratio: 4 cu. ft./bbl.

| | Resistivity | Chloride Content |
|---|---|---|
| Recovery Water | - @ - °F. | - ppm |
| Recovery Mud | 1.4 @ 84 °F. | |
| Recovery Mud Filtrate | 1.2 @ 87 °F. | 400 ppm |
| Mud Pit Sample | 1.9 @ 70 °F. | |
| Mud Pit Sample Filtrate | 1.7 @ 72 °F. | 300 ppm |

| RECOVERY DESCRIPTION | FEET | BARRELS | % OIL | % WATER | % OTHERS | API GRAVITY | RESISTIVITY | CHL. PPM |
|---|---|---|---|---|---|---|---|---|
| SLIGHTLY OIL AND GAS CUT MUD | 100 | 0.73 | | | | @ °F. | 1.4 @ 84 °F. | 400 |
| | | | | | | @ °F. | @ °F. | |
| | | | | | | @ °F. | @ °F. | |
| | | | | | | @ °F. | @ °F. | |
| | | | | | | @ °F. | @ °F. | |
| | | | | | | @ °F. | @ °F. | |
| | | | | | | @ °F. | @ °F. | |
| | | | | | | @ °F. | @ °F. | |

Remarks:

Address: 600 OKLAHOMA MORTGAGE BUILDING; OKLAHOMA CITY, OKLAHOMA 73102

Company: GULF OIL COMPANY  Field: BLUEBELL
Well: UTE # 1-2022  Location: SEC. 20-T1N-R2W
Test Interval: 9008' TO 9052'  Test #: 1  Date: 8-1-75

County: DUCHESNE  State: UTAH  Field Report No.: 09218 C
Technician: TAYLOR (VERNAL)  Test Approved By: MR. L. P. WORKS, JR.  No. Reports Requested: 8 XX

| LABEL POINT | DELTA TIME | PRESSURE (P.S.I.) | T + DT/DT | LOG | PW - PF (P.S.I.) | COMMENTS |
|---|---|---|---|---|---|---|
| | 85 | 60.8 | | | | |
| | 90 | 63.3 | | | | |
| | 95 | 65.8 | | | | |
| | 100 | 67.1 | | | | |
| | 105 | 68.3 | | | | |
| | 110 | 69.6 | | | | |
| | 115 | 70.9 | | | | |
| 6 | 119 | 72.1 | | | | FINAL FLOW(2) |
| 6 | 0 | 72.1 | | | | STARTED SHUT-IN |
| | 1 | 87.2 | 126.000 | 2.100 | 15.1 | |
| | 2 | 101.1 | 63.500 | 1.803 | 29.0 | |
| | 3 | 114.9 | 42.667 | 1.630 | 42.8 | |
| | 4 | 130.0 | 32.250 | 1.509 | 57.9 | |
| | 5 | 145.1 | 26.000 | 1.415 | 73.0 | |
| | 6 | 162.8 | 21.833 | 1.339 | 90.7 | |
| | 7 | 181.7 | 18.857 | 1.275 | 109.6 | |
| | 8 | 201.8 | 16.625 | 1.221 | 129.7 | |
| | 9 | 220.7 | 14.889 | 1.173 | 148.6 | |
| | 10 | 240.8 | 13.500 | 1.130 | 168.7 | |
| | 12 | 284.9 | 11.417 | 1.058 | 212.8 | |
| | 14 | 335.3 | 9.929 | 0.997 | 263.2 | |
| | 16 | 392.0 | 8.812 | 0.945 | 319.8 | |
| | 18 | 458.7 | 7.944 | 0.900 | 386.6 | |
| | 20 | 539.3 | 7.250 | 0.860 | 467.2 | |
| | 22 | 629.9 | 6.682 | 0.825 | 557.8 | |
| | 24 | 737.0 | 6.208 | 0.793 | 664.9 | |
| | 26 | 851.6 | 5.808 | 0.764 | 779.4 | |
| | 28 | 986.3 | 5.464 | 0.738 | 914.2 | |
| | 30 | 1138.7 | 5.167 | 0.713 | 1066.5 | |
| | 40 | 2025.1 | 4.125 | 0.615 | 1953.0 | |
| | 50 | 2645.9 | 3.500 | 0.544 | 2573.8 | |
| | 60 | 3014.9 | 3.083 | 0.489 | 2942.8 | |
| | 70 | 3244.0 | 2.786 | 0.445 | 3171.9 | |
| | 80 | 3392.6 | 2.562 | 0.409 | 3320.5 | |
| | 90 | 3484.5 | 2.389 | 0.378 | 3412.4 | |
| | 100 | 3547.5 | 2.250 | 0.352 | 3475.4 | |
| | 110 | 3594.1 | 2.136 | 0.330 | 3522.0 | |
| | 120 | 3628.1 | 2.042 | 0.310 | 3556.0 | |
| | 130 | 3654.5 | 1.962 | 0.293 | 3582.4 | |
| | 140 | 3673.4 | 1.893 | 0.277 | 3601.3 | |
| | 150 | 3691.1 | 1.833 | 0.263 | 3618.9 | |
| | 160 | 3706.2 | 1.781 | 0.251 | 3634.1 | |
| | 170 | 3718.8 | 1.735 | 0.239 | 3646.6 | |
| | 180 | 3728.8 | 1.694 | 0.229 | 3656.7 | |
| | 190 | 3737.6 | 1.658 | 0.220 | 3665.5 | |
| | 200 | 3745.2 | 1.625 | 0.211 | 3673.1 | |
| | 210 | 3752.8 | 1.595 | 0.203 | 3680.6 | |
| | 220 | 3759.1 | 1.568 | 0.195 | 3686.9 | |
| | 230 | 3764.1 | 1.543 | 0.189 | 3692.0 | |
| 7 | 240 | 3770.4 | 1.521 | 0.182 | 3698.3 | FINAL SHUT-IN |
| 8 | | 4071.3 | | | | HYDROSTATIC MUD |

JOHNSTON
Schlumberger

# BOTTOM HOLE PRESSURE AND TIME DATA

INSTRUMENT NO.: J-529 CAPACITY(P.S.I.): 6400 DEPTH: 9015 FT.

PORT OPENING: OUTSIDE BOTTOM HOLE TEMP.: 180 

| DESCRIPTION | LABELED POINTS | PRESSURE (P.S.I.) | GIVEN TIME | COMPUTED TIME |
|---|---|---|---|---|
| INITIAL HYDROSTATIC MUD | 1 | 4053.7 | | |
| INITIAL FLOW(1) | 2 | 40.6 | | |
| INITIAL FLOW(2) | 3 | 21.7 | 5 | 6 |
| INITIAL SHUT-IN | 4 | 3357.4 | 60 | 61 |
| FINAL FLOW(1) | 5 | 34.3 | | |
| FINAL FLOW(2) | 6 | 72.1 | 120 | 119 |
| FINAL SHUT-IN | 7 | 3770.4 | 240 | 240 |
| FINAL HYDROSTATIC MUD | 8 | 4071.3 | | |

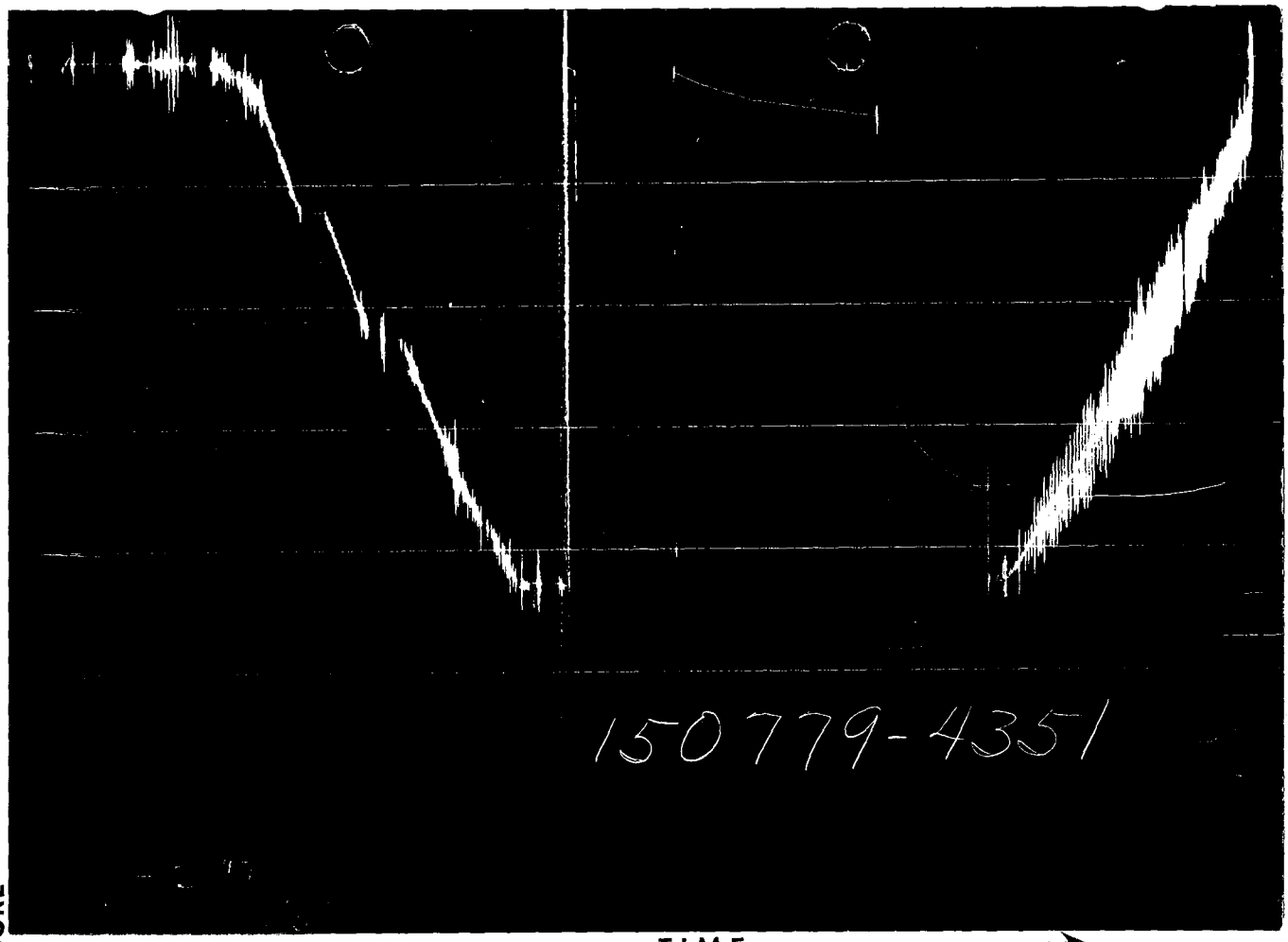
## INCREMENTAL READINGS

| LABEL POINT | DELTA TIME | PRESSURE (P.S.I.) | T + DT/DT | LOG | PW - PF (P.S.I.) | COMMENTS |
|---|---|---|---|---|---|---|
| 1 | | 4053.7 | | | | HYDROSTATIC MUD |
| 2 | 0 | 40.6 | | | | INITIAL FLOW(1) |
| | 5 | 21.7 | | | | |
| 3 | 6 | 21.7 | | | | INITIAL FLOW(2) |
| 3 | 0 | 21.7 | | | | STARTED SHUT-IN |
| | 5 | 126.3 | 2.200 | 0.342 | 104.5 | |
| | 10 | 284.9 | 1.600 | 0.204 | 263.2 | |
| | 15 | 476.3 | 1.400 | 0.146 | 454.6 | |
| | 20 | 738.2 | 1.300 | 0.114 | 716.5 | |
| | 25 | 1083.3 | 1.240 | 0.093 | 1061.5 | |
| | 30 | 1479.9 | 1.200 | 0.079 | 1458.2 | |
| | 35 | 1929.4 | 1.171 | 0.069 | 1907.7 | |
| | 40 | 2346.2 | 1.150 | 0.061 | 2324.5 | |
| | 45 | 2705.1 | 1.133 | 0.054 | 2683.4 | |
| | 50 | 2985.9 | 1.120 | 0.049 | 2964.2 | |
| | 55 | 3192.4 | 1.109 | 0.045 | 3170.7 | |
| | 60 | 3341.0 | 1.100 | 0.041 | 3319.3 | |
| 4 | 61 | 3357.4 | 1.098 | 0.041 | 3335.6 | INITIAL SHUT-IN |
| 5 | 0 | 34.3 | | | | FINAL FLOW(1) |
| | 5 | 34.3 | | | | |
| | 10 | 36.9 | | | | |
| | 15 | 38.1 | | | | |
| | 20 | 39.4 | | | | |
| | 25 | 40.6 | | | | |
| | 30 | 41.9 | | | | |
| | 35 | 43.2 | | | | |
| | 40 | 44.4 | | | | |
| | 45 | 45.7 | | | | |
| | 50 | 48.2 | | | | |
| | 55 | 49.4 | | | | |
| | 60 | 52.0 | | | | |
| | 65 | 53.2 | | | | |
| | 70 | 55.7 | | | | |
| | 75 | 58.3 | | | | |
| | 80 | 59.5 | | | | |

# Formation Testing Service Report

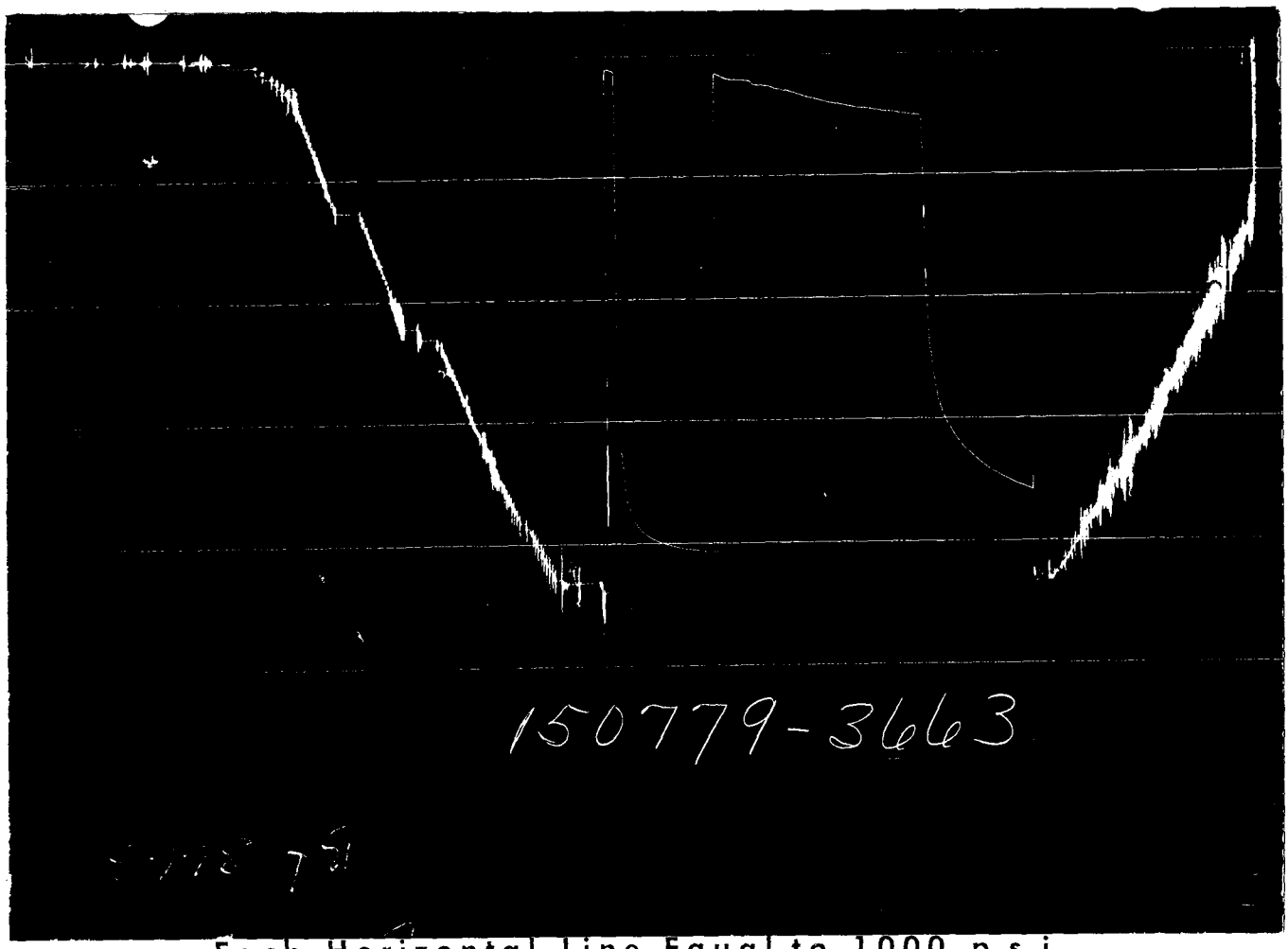
RECEIVED
MAR 8 1976

HALLIBURTON SERVICES
DUNCAN, OKLAHOMA




PRESSURE

TIME




Each Horizontal Line Equal to 1000 p.s.i.

# NOMENCLATURE

| | | |
|---|---|---|
| $b$ | = Approximate Radius of Investigation | Feet |
| $b_1$ | = Approximate Radius of Investigation (Net Pay Zone $h_1$) | Feet |
| D.R. | = Damage Ratio | — |
| El | = Elevation | Feet |
| GD | = B.T. Gauge Depth (From Surface Reference) | Feet |
| $h$ | = Interval Tested | Feet |
| $h_1$ | = Net Pay Thickness | Feet |
| $K$ | = Permeability | md |
| $K_1$ | = Permeability (From Net Pay Zone $h_1$) | md |
| $m$ | = Slope Extrapolated Pressure Plot ($Psi^2$/cycle Gas) | psi/cycle |
| $OF_1$ | = Maximum Indicated Flow Rate | MCF/D |
| $OF_2$ | = Minimum Indicated Flow Rate | MCF/D |
| $OF_3$ | = Theoretical Open Flow Potential with/Damage Removed Max. | MCF/D |
| $OF_4$ | = Theoretical Open Flow Potential with/Damage Removed Min. | MCF/D |
| $P_s$ | = Extrapolated Static Pressure | Psig. |
| $P_F$ | = Final Flow Pressure | Psig. |
| $P_{ot}$ | = Potentiometric Surface (Fresh Water *) | Feet |
| $Q$ | = Average Adjusted Production Rate During Test | bbls/day |
| $Q_1$ | = Theoretical Production w/Damage Removed | bbls/day |
| $Q_g$ | = Measured Gas Production Rate | MCF/D |
| $R$ | = Corrected Recovery | bbls |
| $r_w$ | = Radius of Well Bore | Feet |
| $t$ | = Flow Time | Minutes |
| $t_o$ | = Total Flow Time | Minutes |
| $T$ | = Temperature Rankine | °R |
| $Z$ | = Compressibility Factor | — |
| $\mu$ | = Viscosity Gas or Liquid | CP |
| Log | = Common Log | |

* Potentiometric Surface Reference to Rotary Table When Elevation Not Given, Fresh Water Corrected to 100° F.

## FLUID SAMPLE DATA

Sampler Pressure 2.10 P.S.I.G. at Surface
Recovery: Cu. Ft. Gas .145
cc. Oil None
cc. Water 2050
cc. Mud None
Tot. Liquid cc. 2050
Gravity ____ ° API @ ____ °F.
Gas/Oil Ratio ____ cu. ft./bbl.

| | RESISTIVITY | | | CHLORIDE CONTENT | |
|---|---|---|---|---|---|
| Recovery Water | 3.4 | @ 75 | °F. | 1400 | ppm |
| Recovery Mud | | @ | °F. | | ppm |
| Recovery Mud Filtrate | | @ | °F. | | ppm |
| Mud Pit Sample | 2.2 | @ 80 | °F. | 2,200 | ppm |
| Mud Pit Sample Filtrate | 1.9 | @ 150 | °F. | 1,350 | ppm |

Mud Weight 8.8 vis 9 ?? cp

Date 8-3-75 Ticket Number 150779
Kind of Job OPEN HOLE Halliburton District VERNAL
Tester MR. BARNEY Witness GLAZE
Drilling Contractor NOBLE DRILLING COMPANY BC S

## EQUIPMENT & HOLE DATA

Formation Tested Green River
Elevation 6392' Ft.
Net Productive Interval 40' Ft.
All Depths Measured From Kelly Bushing
Total Depth 9377' Ft.
Main Hole/Casing Size 8 3/4"
Drill Collar Length 662' I.D. 2 3/4"
Drill Pipe Length 8614' I.D. 3.826"
Packer Depth(s) 9304' - 9310' Ft.
Depth Tester Valve 9291' Ft.

Cushion TYPE AMOUNT Ft. Depth Back Pres. Valve Surface Choke 1/8" Bottom Choke .75"

Recovered 180 Feet of Drilling mud
Recovered 720 Feet of Slightly gas and mud cut water
Recovered Feet of
Recovered Feet of
Recovered Feet of

Remarks See production test data sheet....

| TEMPERATURE | Gauge No. 4351 Depth: 9292' Ft. | | Gauge No. 3663 Depth: 9373' Ft. | | Gauge No. Depth: Ft. | | TIME | |
|---|---|---|---|---|---|---|---|---|
| | 12 Hour Clock | | 12 Hour Clock | | Hour Clock | | Tool Opened 1220 A.M. P.M. | |
| Est. °F. | Blanked Off No | | Blanked Off Yes | | Blanked Off | | Opened Bypass 1630 A.M. P.M. | |
| Actual 140 °F. | Pressures | | Pressures | | Pressures | | | |
| | Field | Office | Field | Office | Field | Office | Reported Minutes | Computed Minutes |
| Initial Hydrostatic | 4266 | 4277 | 4327 | 4326 | | | | |
| First Period Flow Initial | 62 | 37 | 126 | 109 | | | — | — |
| First Period Flow Final | 104 | 79 | 147 | 133 | | | 5 | 5 |
| First Period Closed in | 4037 | 4029 | 4098 | 4079 | | | 60 | 59 |
| Second Period Flow Initial | 104 | 96 | 146 | 156 | | | — | — |
| Second Period Flow Final | 457 | 468 | 505 | 514 | | | 120 | 122 |
| Second Period Closed in | 3558 | 3544 | 3577 | 3590 | | | 65 | 64 |
| Third Period Flow Initial | | | | | | | — | — |
| Third Period Flow Final | | | | | | | | |
| Third Period Closed in | | | | | | | | |
| Final Hydrostatic | 4266 | 4283 | 4327 | 4335 | | | — | — |

Legal Location Sec. - Twp. - Rng. 20 - 1N - 2W
Lease Name UTE TRIBLE
Well No. 1-20-22
Test No. 2
Tested Interval 9310' - 9377'
Field Area BLUEBELL
Meas. From Tester Valve
County DUCHESNE
State UTAH
Lease Owner/Company Name GULF OIL COMPANY U.S.

FORM 161-R1—PRINTED IN U.S.A.

# FORMATION TEST DATA

LITTLE'S 96671 10M 8/74

Casing perfs. _____ Bottom choke .75" Surf. temp 85 °F Ticket No. 150779
Gas gravity _____ Oil gravity _____ GOR _____
Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F
INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

| Date Time a.m. p.m. | Choke Size | Surface Pressure psi | Gas Rate MCF | Liquid Rate BPD | Remarks |
|---|---|---|---|---|---|
| 0430 | | | | | Called out |
| 0700 | | | | | On location |
| 0730 | | | | | Made up tools |
| 0900 | | | | | Started in hole |
| 1220 | | | | | Tool opened with ½" blow in bubble |
| | | | | | bucket in 10 seconds |
| | | | | | |
| 1225 | | | | | Closed tool |
| | | | | | |
| 1325 | | | | | Reopened tool with a weak blow to |
| | | | | | surface, ½" in bucket. Increased to |
| | | | | | 3" in 15 minutes. |
| 1525 | | | | | Closed tool |
| 1628 | | | | | Pulled tools loose, started out of hole |
| 2115 | | | | | Out of hole |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |



# PRODUCTION TEST DATA

| Gauge No. 4351 | | | Depth 9292' | | | | Clock No. 3806 | | | 12 hour | Ticket No. 150779 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | First Flow Period | | First Closed In Pressure | | | Second Flow Period | | Second Closed In Pressure | | | Third Flow Period | | Third Closed In Pressure | | |
| | Time Defl. .000" | PSIG Temp. Corr. | Time Defl. .000" | $\text{Log}\frac{t+\theta}{\theta}$ | PSIG Temp. Corr. | Time Defl. .000" | PSIG Temp. Corr. | Time Defl. .000" | $\text{Log}\frac{t+\theta}{\theta}$ | PSIG Temp. Corr. | Time Defl. .000" | PSIG Temp. Corr. | Time Defl. .000" | $\text{Log}\frac{t+\theta}{\theta}$ | PSIG Temp. Corr. |
| 0 | .0000 | 37 | .0000 | | 79 | .0000 | 96 | .0000 | | 468 | | | | | |
| 1 | .0076 | 46 | .0201 | | 3206* | .1457 | 222** | .0273 | | 2237*** | | | | | |
| 2 | .0152 | 56 | .0470 | | 3644 | .2782 | 308 | .0613 | | 2762 | | | | | |
| 3 | .0228 | 72 | .0738 | | 3790 | .4106 | 358 | .0954 | | 2962 | | | | | |
| 4 | .0304 | 73 | .1007 | | 3858 | .5431 | 395 | .1294 | | 3087 | | | | | |
| 5 | .0380 | 79 | .1275 | | 3904 | .6755 | 432 | .1635 | | 3181 | | | | | |
| 6 | | | .1544 | | 3935 | .8080 | 468 | .1976 | | 3254 | | | | | |
| 7 | | | .1812 | | 3956 | | | .2316 | | 3319 | | | | | |
| 8 | | | .2081 | | 3973 | | | .2657 | | 3371 | | | | | |
| 9 | | | .2349 | | 3985 | | | .2997 | | 3412 | | | | | |
| 10 | | | .2618 | | 3996 | | | .3338 | | 3450 | | | | | |
| 11 | | | .2886 | | 4004 | | | .3679 | | 3485 | | | | | |
| 12 | | | .3155 | | 4012 | | | .4019 | | 3517 | | | | | |
| 13 | | | .3423 | | 4019 | | | .4360 | | 3544 | | | | | |
| 14 | | | .3691 | | 4025 | | | | | | | | | | |
| 15 | | | .3960 | | 4029 | | | | | | | | | | |

| Gauge No. 3663 | | | | | Depth 9373' | | | Clock No. 2797 | | | 12 hour | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | .0000 | 109 | .0000 | | 133 | .0000 | 156 | .0000 | | 514 | | | | | |
| 1 | .0074 | 109 | .0202 | | 3365* | .1490 | 223** | .0270 | | 2328*** | | | | | |
| 2 | .0148 | 114 | .0472 | | 3723 | .2844 | 295 | .0608 | | 2846 | | | | | |
| 3 | .0222 | 120 | .0742 | | 3846 | .4198 | 379 | .0945 | | 3031 | | | | | |
| 4 | .0296 | 124 | .1012 | | 3915 | .5552 | 436 | .1283 | | 3152 | | | | | |
| 5 | .0370 | 133 | .1282 | | 3956 | .6906 | 476 | .1620 | | 3240 | | | | | |
| 6 | | | .1552 | | 3981 | .8260 | 514 | .1958 | | 3310 | | | | | |
| 7 | | | .1821 | | 4004 | | | .2295 | | 3369 | | | | | |
| 8 | | | .2091 | | 4021 | | | .2633 | | 3419 | | | | | |
| 9 | | | .2361 | | 4033 | | | .2970 | | 3460 | | | | | |
| 10 | | | .2631 | | 4044 | | | .3308 | | 3498 | | | | | |
| 11 | | | .2901 | | 4054 | | | .3645 | | 3531 | | | | | |
| 12 | | | .3171 | | 4062 | | | .3983 | | 3562 | | | | | |
| 13 | | | .3440 | | 4069 | | | .4320 | | 3590 | | | | | |
| 14 | | | .3710 | | 4075 | | | | | | | | | | |
| 15 | | | .3980 | | 4079 | | | | | | | | | | |
| Reading Interval | | 1 | | 4 | | | 20 | | 5 | | | | | | Minutes |

REMARKS: *Interval = 3 minutes **Interval = 22 minutes ***Interval = 4 minutes



# SPECIAL PRESSURE DATA

TICKET NO. 150779

| | O. D. | I. D. | LENGTH | DEPTH |
|---|---|---|---|---|
| Drill Pipe or Tubing | | | | |
| Reversing Sub | 5 15/16" | 2 7/8" | 1' | |
| Water Cushion Valve | | | | |
| Drill Pipe | 4½" | 3.826" | 8614' | |
| Drill Collars | 6 5/8" | 2 3/4" | 662' | |
| Handling Sub & Choke Assembly | | | | |
| Dual CIP Valve | | | | |
| Dual CIP Sampler | 5" | .75" | 7.97' | 9286' |
| Hydro-Spring Tester | 5" | .75" | 5' | 9291' |
| Multiple CIP Sampler | | | | |
| Extension Joint | | | | |
| AP Running Case | 5" | 2.25" | 4.12' | 9292' |
| Hydraulic Jar | 5" | .87" | 5' | |
| VR Safety Joint | 5" | 1" | 3.45' | |
| Pressure Equalizing Crossover | | | | |
| Packer Assembly | 7 3/4" | 2.25" | 5.82' | 9304' |
| Distributor | | | | |
| Packer Assembly | 7 3/4" | 2.25" | 4.57' | 9310' |
| Flush Joint Anchor | 5 3/4" | 2.37" | 22.10' | |
| Pressure Equalizing Tube | | | | |
| Blanked-Off B.T. Running Case | | | | |
| Drill Collars | 6 5/8" | 2 3/4" | 28.60' | |
| Anchor Pipe Safety Joint | | | | |
| Packer Assembly | | | | |
| Distributor | | | | |
| Packer Assembly | | | | |
| SUB | 5 15/16" | 2.35" | .62' | |
| Anchor Pipe Safety Joint | | | | |
| Side Wall Anchor | | | | |
| Drill Collars | | | | |
| Flush Joint Anchor | 5 3/4" | 2.37" | 20' | |
| Blanked-Off B.T. Running Case | 5 3/4" | 2.50" | 4' | 9373' |
| Total Depth | | | | 9377' |



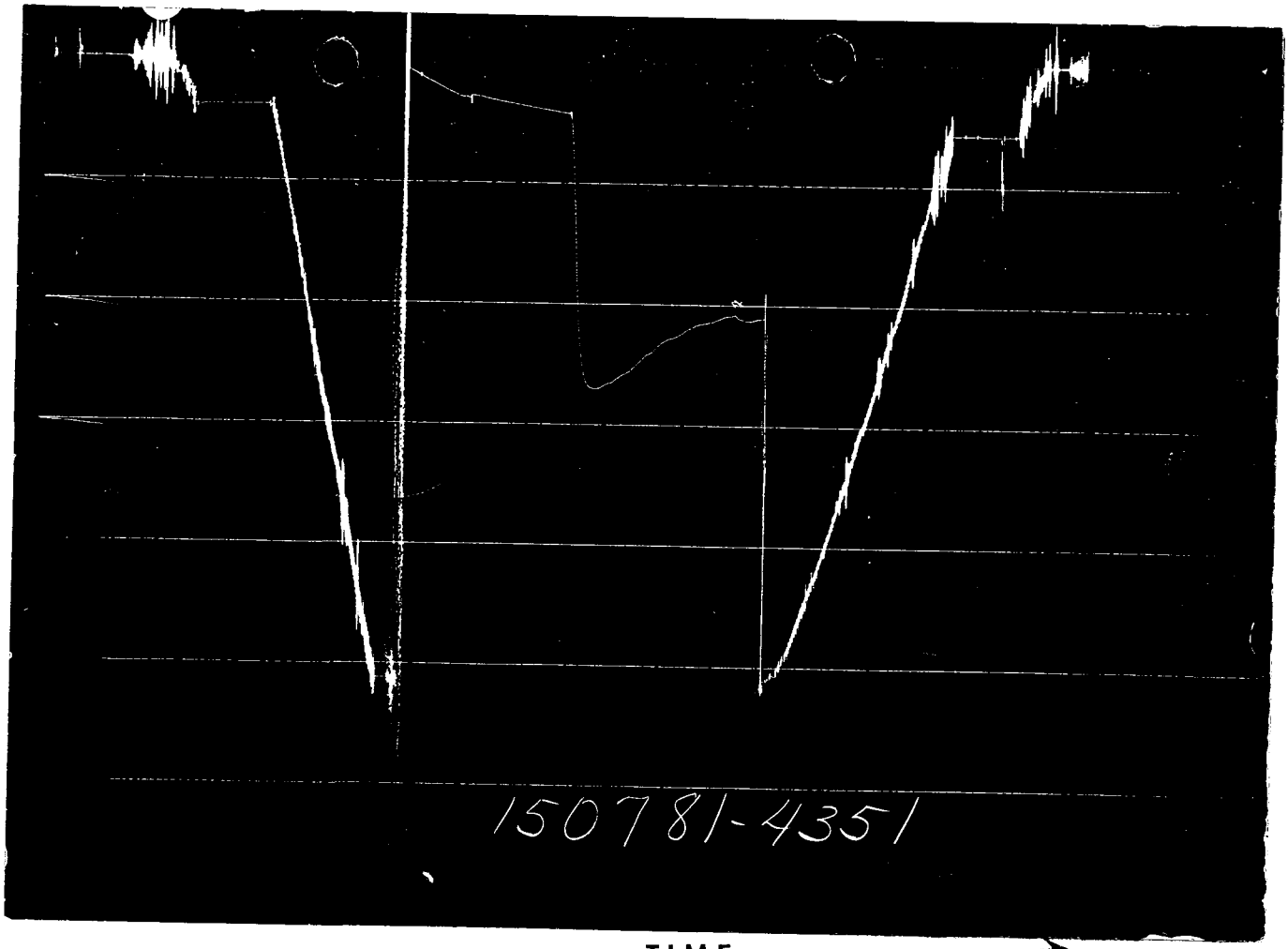
# EQUIPMENT DATA

# Formation Testing Service Report

RECEIVED
MAR 8 1976
DIV. OF OIL
GAS & MINING

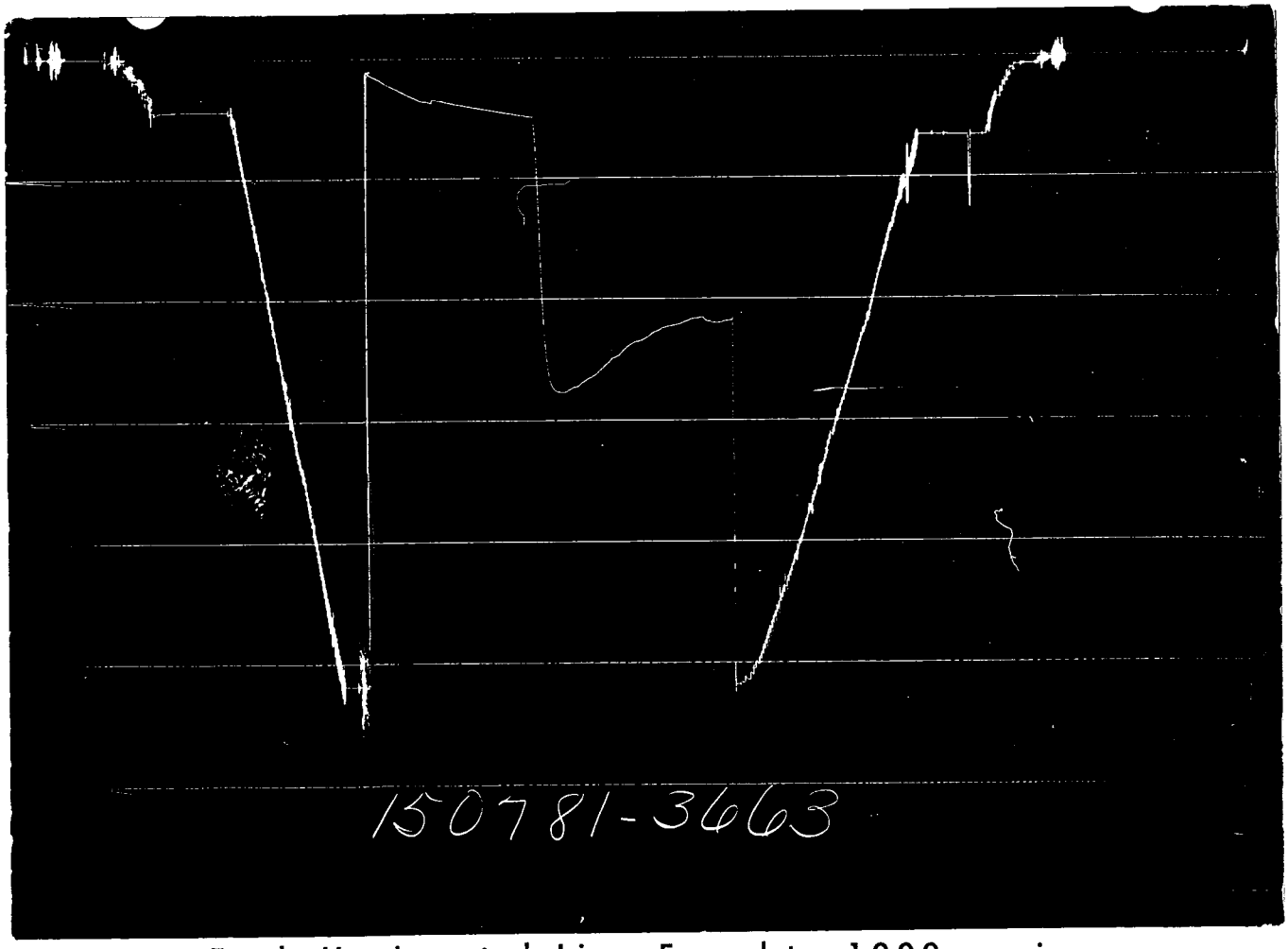
**HALLIBURTON SERVICES**

DUNCAN, OKLAHOMA




PRESSURE

TIME




Each Horizontal Line Equal to 1000 p.s.i.

# NOMENCLATURE

| | | |
|---|---|---|
| $b$ | = Approximate Radius of Investigation | Feet |
| $b_1$ | = Approximate Radius of Investigation (Net Pay Zone $h_1$) | Feet |
| D.R. | = Damage Ratio | —— |
| El | = Elevation | Feet |
| GD | = B.T. Gauge Depth (From Surface Reference) | Feet |
| $h$ | = Interval Tested | Feet |
| $h_1$ | = Net Pay Thickness | Feet |
| $K$ | = Permeability | md |
| $K_1$ | = Permeability (From Net Pay Zone $h_1$) | md |
| $m$ | = Slope Extrapolated Pressure Plot ($Psi^2$/cycle Gas) | psi/cycle |
| $OF_1$ | = Maximum Indicated Flow Rate | MCF/D |
| $OF_2$ | = Minimum Indicated Flow Rate | MCF/D |
| $OF_3$ | = Theoretical Open Flow Potential with/Damage Removed Max. | MCF/D |
| $OF_4$ | = Theoretical Open Flow Potential with/Damage Removed Min. | MCF/D |
| $P_s$ | = Extrapolated Static Pressure | Psig. |
| $P_F$ | = Final Flow Pressure | Psig. |
| $P_{ot}$ | = Potentiometric Surface (Fresh Water*) | Feet |
| $Q$ | = Average Adjusted Production Rate During Test | bbls/day |
| $Q_1$ | = Theoretical Production w/Damage Removed | bbls/day |
| $Q_g$ | = Measured Gas Production Rate | MCF/D |
| $R$ | = Corrected Recovery | bbls |
| $r_w$ | = Radius of Well Bore | Feet |
| $t$ | = Flow Time | Minutes |
| $t_o$ | = Total Flow Time | Minutes |
| $T$ | = Temperature Rankine | °R |
| $Z$ | = Compressibility Factor | —— |
| $\mu$ | = Viscosity Gas or Liquid | CP |
| Log | = Common Log | |

* Potentiometric Surface Reference to Rotary Table When Elevation Not Given, Fresh Water Corrected to 100° F.

## FLUID SAMPLE DATA

Sampler Pressure _____ P.S.I.G. at Surface

Recovery: Cu. Ft. Gas _____
cc. Oil _____
cc. Water 1850 (Res. 1.90-74°)
cc. Mud _____
Tot. Liquid cc. _____

Gravity _____ ° API @ _____ °F.

Gas/Oil Ratio _____ cu. ft./bbl.

| | RESISTIVITY | | | CHLORIDE CONTENT |
|---|---|---|---|---|
| Recovery Water | @ | °F. | | ppm |
| Recovery Mud | @ | °F. | | ppm |
| Recovery Mud Filtrate | @ | °F. | | ppm |
| Mud Pit Sample | 137 @ | 50 °F. | | 2100 ppm |
| Mud Pit Sample Filtrate | @ | °F. | | ppm |

Mud Weight 9.0 vis 6 cp

| | |
|---|---|
| Date | 8-19-75 |
| Ticket Number | 150781 |
| Kind of Job | OPEN HOLE |
| Halliburton District | VERNAL |
| Tester | MR. MOUDRY |
| Witness | - |
| Drilling Contractor | MR. BARNEY NOBLE DRILLING COMPANY BC |

### EQUIPMENT & HOLE DATA

| | | |
|---|---|---|
| Formation Tested | Green River | |
| Elevation | 6370' | Ft. |
| Net Productive Interval | 30' | Ft. |
| All Depths Measured From | Kelly Bushing | |
| Total Depth | 11008' | Ft. |
| Main Hole/Casing Size | 8 3/4" | |
| Drill Collar Length | 601' | I.D. 2 3/4" |
| Drill Pipe Length | 10245' | I.D. 3.826" |
| Packer Depth(s) | 10874' - 10880' | Ft. |
| Depth Tester Valve | 10856' | Ft. |

Cushion TYPE AMOUNT Ft. Depth Back Pres. Valve Surface Choke 1/8" Bottom Choke .75"

Recovered 30 Feet of Oil .4266 barrels

Recovered 1140 Feet of Water with light oil and mud 12.528 barrels

Recovered Feet of

Recovered Feet of

Recovered Feet of

Remarks See production test data sheet...CLOSED IN PRESSURES NON-USABLE. CHARTS INDICATE LEAKAGE THROUGHOUT CLOSED IN PRESSURE PERIODS.

Meas. From Tester Valve

| TEMPERATURE | Gauge No. 4351 Depth: 10860' Ft. | | Gauge No. 3663 Depth: 11004' Ft. | | Gauge No. Depth: Ft. | | TIME | |
|---|---|---|---|---|---|---|---|---|
| | 24 Hour Clock | | 24 Hour Clock | | Hour Clock | | Tool Opened 0428 A.M. ~~P.M.~~ | |
| Est. °F. | Blanked Off No | | Blanked Off Yes | | Blanked Off | | | |
| Actual 185 °F. | Pressures | | Pressures | | Pressures | | Opened A.M. Bypass 1145 ~~P.M.~~ | |
| | Field | Office | Field | Office | Field | Office | Reported Minutes | Computed Minutes |
| Initial Hydrostatic | 5139 | 5127 | 5178 | 5195 | | | | |
| First Period Flow Initial | 83 | 58 | 84 | 101 | | | — | — |
| First Period Flow Final | 104 | 116 | 84 | 185 | | | 17 | |
| First Period Closed in | 291 | 301 | 357 | 371 | | | 60 | |
| Second Period Flow Initial | 270 | 281 | 336 | 347 | | | — | — |
| Second Period Flow Final | 415 | 426 | 484 | 493 | | | 120 | |
| Second Period Closed in | 2683 | 2108 | 2743 | 2177 | | | 240 | |
| Third Period Flow Initial | | | | | | | — | — |
| Third Period Flow Final | | | | | | | | |
| Third Period Closed in | | | | | | | | |
| Final Hydrostatic | 5139 | 5114 | 5178 | 5180 | | | — | — |

Legal Location Sec. - Twp. - Rng. 20 - 1N - 2W

Lease Name UTE TRIBLE

Well No. 1-20-32

Test No. 3

Tested Interval 10,880' - 11,008'

Field Area BLUEBELL

County DUCHESNE

State UTAH

Lease Owner/Company Name GULF OIL COMPANY U.S.

FORM 181-R1—PRINTED IN U.S.A.

# FORMATION TEST DATA

LITTLE'S 96671 10M 8/74

Casing perfs. _____ Bottom choke .75" Surf. temp _____ °F Ticket No. 150781
Gas gravity _____ Oil gravity _____ GOR _____
Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F
**INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED** _____

| Date Time a.m. p.m. | Choke Size | Surface Pressure psi | Gas Rate MCF | Liquid Rate BPD | Remarks |
|---|---|---|---|---|---|
| 1800 | | | | | Called out |
| 2200 | | | | | On location |
| 2230 | | | | | Made up tools |
| 2400 | | | | | STarted in hole |
| 0030 | | | | | Worked on rig |
| 0130 | | | | | Started back in hole with a weak blow to |
| 0420 | | | | | surface before tester valve was open |
| 0428 | | | | | Tester valve opened with a weak blow to |
| | | | | | surface in ½" in water |
| 0445 | | | | | Closed tool |
| 0540 | | | | | Mud dropped approximately 8' with a |
| | | | | | weak blow at surface |
| 0545 | | | | | Reopened tool with a weak blow to surface, |
| | | | | | increasing to 12" in water but weak. |
| | | | | | Lost approximately 12' of mud |
| 0745 | | | | | Closed tool, kept hole full with pump |
| 1130 | | | | | Blow to surface, no increase |
| 1145 | | | | | Pulled loose, started out |
| 1600 | | | | | Dropped bar, reversed out |
| 1800 | | | | | Out of hole, broke down tools |
| 1930 | | | | | Off location |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |



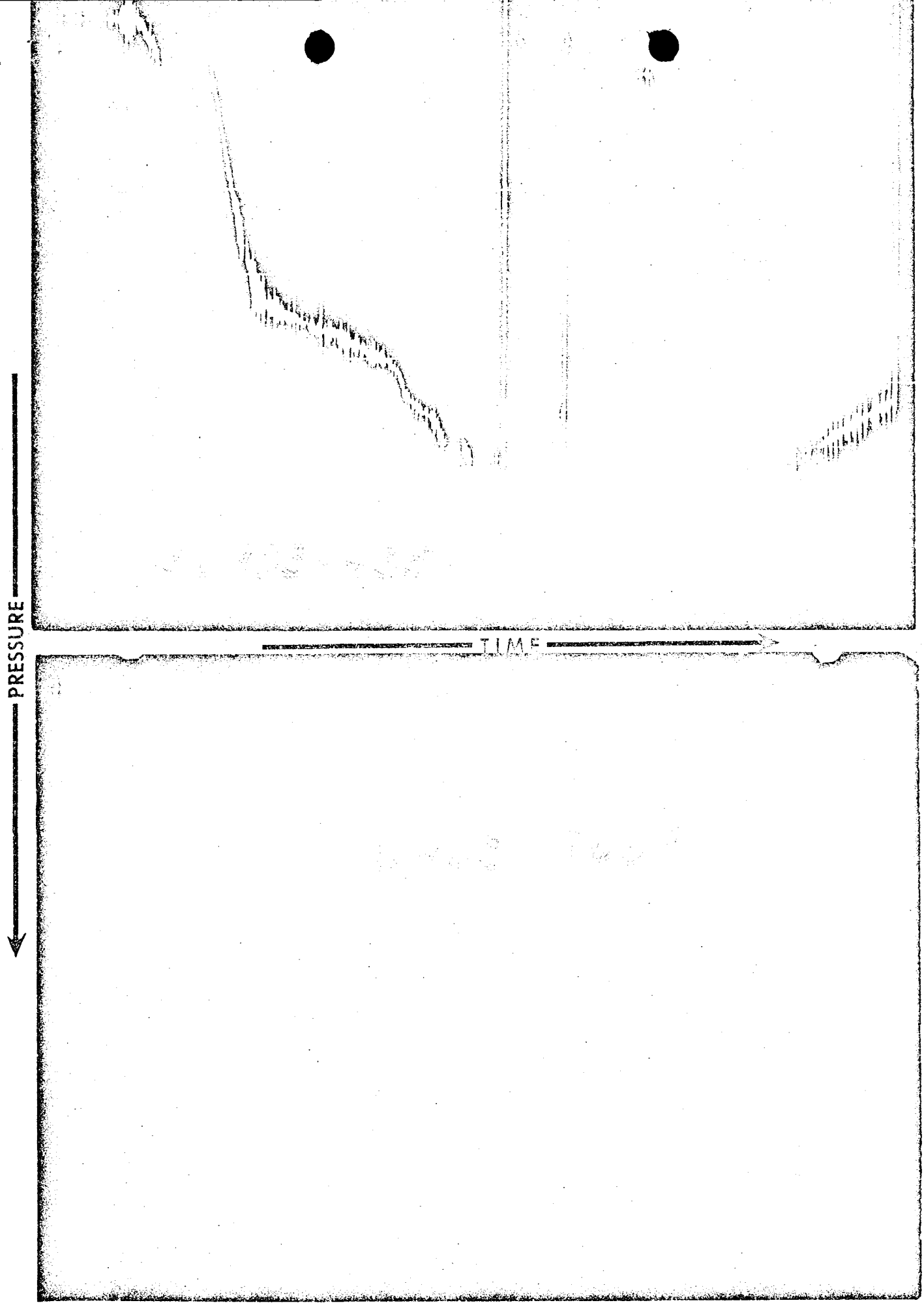
# PRODUCTION TEST DATA

TICKET NO. 150781

| | O. D. | I. D. | LENGTH | DEPTH |
|---|---|---|---|---|
| Drill Pipe or Tubing | | | | |
| Reversing Sub | | | | |
| Water Cushion Valve | 5 15/16" | 2 7/8" | 1' | |
| Drill Pipe | 4½" | 3.826" | 10245' | |
| Drill Collars | 6 5/8" | 2 3/4" | 601' | |
| Handling Sub & Choke Assembly | 5 15/16" | 2 7/8" | 1' | |
| Dual CIP Valve | | | | |
| Dual CIP Sampler | 5" | .75" | 7' | 10849' |
| Hydro-Spring Tester | 5" | .75" | 5' | 10856' |
| Multiple CIP Sampler | | | | |
| Extension Joint | | | | |
| AP Running Case | 5" | 2.25" | 4' | 10860' |
| Hydraulic Jar | 5" | .87" | 5' | |
| VR Safety Joint | 5" | 1" | 3' | |
| Pressure Equalizing Crossover | | | | |
| Packer Assembly | 7 3/4" | 2.25" | 6' | 10874' |
| Distributor | | | | |
| Packer Assembly | 7 3/4" | 2.25" | 6' | 10880' |
| Flush Joint Anchor | 5 3/4" | 2.87" | 15' | |
| Pressure Equalizing Tube | | | | |
| Blanked-Off B.T. Running Case | | | | |
| Drill Collars | | | | |
| Anchor Pipe Safety Joint | | | | |
| Packer Assembly | | | | |
| Distributor | | | | |
| Packer Assembly | | | | |
| Anchor Pipe Safety Joint | 5 3/4" | 1.50" | 4' | |
| Side Wall Anchor | | | | |
| Drill Collars | 6 5/8" | 2 3/4" | 89' | |
| Flush Joint Anchor | 5 3/4" | 2.87" | 16' | |
| Blanked-Off B.T. Running Case | 5" | 2.50" | 4' | 11004' |
| Total Depth | | | | 11008' |



# EQUIPMENT DATA




Each Horizontal Line Equal to 1000 p.s.i.

## FLUID SAMPLE DATA

Sampler Pressure 300 P.S.I.G. at Surface

Recovery: Cu. Ft. Gas = $CO_2$ 1

cc. Oil

cc. Water 2050 Res. 1.0174° ??

cc. Mud

Tot. Liquid cc.

Gravity ____ ° API @ ____ °F.

Gas/Oil Ratio ____ cu. ft./bbl.

| | | RESISTIVITY | | CHLORIDE CONTENT |
|---|---|---|---|---|
| Recovery Water | @ | °F. | | ppm |
| Recovery Mud | @ | °F. | | ppm |
| Recovery Mud Filtrate | @ | °F. | | ppm |
| Mud Pit Sample | 2.10 @ | 64 | °F. | ppm |
| Mud Pit Sample Filtrate | @ | °F. | | ppm |

Mud Weight 9.0 vis cp

Date 8-23-75 Ticket Number 150903

Kind of Job OPEN HOLE Halliburton District VERNAL

Tester MR. MOUDRY Witness MR. NAY

Drilling Contractor NOBLE DRILLING COMPANY BC S

### EQUIPMENT & HOLE DATA

Formation Tested Green River

Elevation 6376' Ft.

Net Productive Interval 87' Ft.

All Depths Measured From Kelly Bushing

Total Depth 11100' Ft.

Main Hole/Casing Size 8 5/8"

Drill Collar Length 659' I.D. 2.75"

Drill Pipe Length 10312' I.D. 3.826"

Packer Depth(s) 11005' - 11013' Ft.

Depth Tester Valve 10989' Ft.

Cushion TYPE AMOUNT Ft. Depth Back Pres. Valve Surface Choke 1/8" Bottom Choke 3/4"

Recovered 1469 Feet of Water 16.34 Barrels Res. 1.85 @ 79°

Recovered Feet of

Recovered Feet of

Recovered Feet of

Recovered Feet of

Remarks See production test data sheet...

Meas. From Tester Valve

| TEMPERATURE | Gauge No. 4351 | | Gauge No. 3663 | | Gauge No. | | TIME | |
|---|---|---|---|---|---|---|---|---|
| | Depth: 10994' Ft. | | Depth: 11096' Ft. | | Depth: Ft. | | | |
| | 24 Hour Clock | | 24 Hour Clock | | Hour Clock | | Tool Opened 0519 | A.M. P.M. |
| Est. °F. | Blanked Off No | | Blanked Off Yes | | Blanked Off | | Opened Bypass 1219 | A.M. P.M. |
| Actual 190 °F. | Pressures | | Pressures | | Pressures | | Reported Minutes | Computed Minutes |
| | Field | Office | Field | Office | Field | Office | | |
| Initial Hydrostatic | 5160 | 5197 | | | | | | |
| First Period Flow Initial | 62 | 56 | TESTER FAILED TO | | | | 15 | 28 |
| First Period Flow Final | 250 | 316 | ENGAGE STYLUS... | | | | 60 | 63 |
| First Period Closed in | 4661 | 4653 | | | | | | |
| Second Period Flow Initial | 250 | 198 | | | | | 120 | 132 |
| Second Period Flow Final | 645 | 707 | | | | | 240 | 212 |
| Second Period Closed in | 4682 | 4686 | | | | | | |
| Third Period Flow Initial | | | | | | | | |
| Third Period Flow Final | | | | | | | | |
| Third Period Closed in | | | | | | | | |
| Final Hydrostatic | 5160 | 5168 | | | | | | |

Legal Location Sec. - Twp. - Rng. 20 - 1N - 2W

Lease Name UTE TRIBLE

Well No. 1-2022

Test No. 4

Tested Interval 11013' - 11100'

Field Area BLUE BELL

County DUCHESNE

State UTAH

Lease Owner/Company Name GULF OIL COMPANY

LITTLE'S 84671 10M 8/74

Casing perfs. _____ Bottom choke _____ Surf. temp _____ °F Ticket No. 150903

Gas gravity _____ Oil gravity _____ GOR _____

Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

| Date 8-22-75 Time a.m. p.m. | Choke Size | Surface Pressure psi | Gas Rate MCF | Liquid Rate BPD | Remarks |
|---|---|---|---|---|---|
| 2200 | | | | | On location, made up tools |
| 2330 | | | | | Trip in hole |
| 1200-0115 | | | | | Cut drilling line |
| 0500 | | | | | Opened tool with a light blow, 5" |
| | | | | | in 5 gallon bucket, water through 1/8" |
| | | | | | bubble hose. |
| 0519 | | | | | Closed tool |
| 0619 | | | | | Opened tool with a light blow, increasing |
| | | | | | to a medium blow to bottom of bucket |
| | | | | | in 60 minutes and remained steady for |
| | | | | | duration of flow period. |
| 0819 | | | | | Closed tool |
| 1219 | | | | | By-passed and triped out of hole |
| 1800 | | | | | Broke down |
| 1900 | | | | | Off location |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
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| | | | | | |
| | | | | | |
| | | | | | |

| Gauge No. 4351 | Depth 10994' | Clock No. 9989 | 24 hour | Ticket No. 150903 |
|---|---|---|---|---|

| | First Flow Period | | First Closed In Pressure | | | Second Flow Period | | Second Closed In Pressure | | | Third Flow Period | | Third Closed In Pressure | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time Defl. .000" | PSIG Temp. Corr. | Time Defl. .000" | $\text{Log}\frac{t+\theta}{\theta}$ | PSIG Temp. Corr. | Time Defl. .000" | PSIG Temp. Corr. | Time Defl. .000" | $\text{Log}\frac{t+\theta}{\theta}$ | PSIG Temp. Corr. | Time Defl. .000" | PSIG Temp. Corr. | Time Defl. .000" | $\text{Log}\frac{t+\theta}{\theta}$ | PSIG Temp. Corr. |
| 0 | .0000 | 56 | .0000 | | 316 | .0000 | 198 | .0000 | | 707 | | | | | |
| 1 | .0151 | 100 | .0116 | | 3240* | .0850 | 360 | .0769 | | 3679** | | | | | |
| 2 | .0303 | 148 | .0310 | | 3912 | .1700 | 443 | .1384 | | 4008 | | | | | |
| 3 | .0454 | 187 | .0503 | | 4166 | .2550 | 514 | .1999 | | 4200 | | | | | |
| 4 | .0606 | 220 | .0697 | | 4297 | .3400 | 578 | .2614 | | 4335 | | | | | |
| 5 | .0757 | 237 | .0891 | | 4395 | .4250 | 634 | .3229 | | 4428 | | | | | |
| 6 | .0909 | 247 | .1084 | | 4462 | .5100 | 707 | .3844 | | 4497 | | | | | |
| 7 | .1060 | 316 | .1278 | | 4516 | | | .4459 | | 4551 | | | | | |
| 8 | | | .1472 | | 4561 | | | .5074 | | 4590 | | | | | |
| 9 | | | .1665 | | 4595 | | | .5690 | | 4622 | | | | | |
| 10 | | | .1859 | | 4624 | | | .6305 | | 4642 | | | | | |
| 11 | | | .2053 | | 4647 | | | .6920 | | 4661 | | | | | |
| 12 | | | .2246 | | 4653 | | | .7535 | | 4676 | | | | | |
| 13 | | | .2440 | | 4653 | | | .8150 | | 4686 | | | | | |
| 14 | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | |

| Gauge No. 3663 | Depth 11096' | Clock No. 2290 | 24 hour |
|---|---|---|---|

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | |
| 2 | | | NO READINGS AVAILABLE.... | | | | | | | | | | | | |
| 3 | | | TESTER FAILED TO ENGAGE STYLUS.... | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | |
| Reading Interval | 4 | | 5 | | | 22 | | 16 | | | | | | | Minutes |

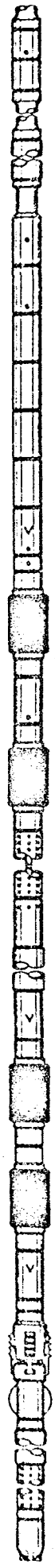
REMARKS: *Interval = 3 minutes **Interval = 20 minutes

FORM 133-R1—PRINTED IN U.S.A.

# SPECIAL PRESSURE DATA

LITTLE'S 96673 75C 6/74

TICKET NO. 150903



| | O. D. | I. D. | LENGTH | DEPTH |
|---|---|---|---|---|
| Drill Pipe or Tubing | | | | |
| Reversing Sub | 7" | 2.50" | 1' | |
| Water Cushion Valve | | | | |
| Drill Pipe | 4½" | 3.826" | 10312' | |
| Drill Collars | 7" | 2.75" | 659' | |
| Handling Sub & Choke Assembly Sub | 5" | 2.50" | .60' | |
| Dual CIP Valve Sub | 4½" | 2.25" | 1' | |
| Dual CIP Sampler | 5" | .87" | 7' | 10982' |
| Hydro-Spring Tester | 5" | .75" | 5' | 10989' |
| Multiple CIP Sampler | | | | |
| Extension Joint | | | | |
| AP Running Case | 5" | 2.37" | 4' | 10994' |
| Hydraulic Jar | 5" | 1.75" | 5' | |
| VR Safety Joint | 5" | 1.75" | 2' | |
| Pressure Equalizing Crossover | | | | |
| Packer Assembly | 7 3/4" | 2.44" | 6' | 11005' |
| Distributor | 5" | 1.68" | 2' | |
| Packer Assembly | 7 3/4" | 2.44" | 4.56' | 11013' |
| | Tail | 2.44" | 1.44' | |
| Flush Joint Anchor | | | | |
| Pressure Equalizing Tube | | | | |
| Blanked-Off B.T. Running Case | | | | |
| Drill Collars | | | | |
| Anchor Pipe Safety Joint | | | | |
| Packer Assembly | | | | |
| Distributor | | | | |
| Flush joint anchor | 5 3/4" | 2.44" | 20.56' | |
| Packer Assembly | | | | |
| Anchor Pipe Safety Joint | | | | |
| Sub | 6 3/4" | 2.50" | 1' | |
| Side Wall Anchor | | | | |
| Drill Collars | 7" | 2.75" | 29' | |
| Sub | 6 3/4" | 2.50" | 1' | |
| Flush Joint Anchor | 5 3/4" | 2.44" | 30' | |
| Blanked-Off B.T. Running Case | 5 3/4" | 2.44" | 4' | 11096' |
| Total Depth | | | | 11100' |



LITTLE'S 08076 7/C 6/74

CORE ANALYSIS RESULTS

GULF OIL COMPANY

WELL 1-20 Z2 GULF UTE

BLUE BELL FIELD

DUCHESNE COUNTY, UTAH

RECEIVED
MAR 8 1976
DIVISION OF OIL
GAS, & MINING

CL1-12A (REV. 1964)

# CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 2794
Casper, Wyoming

## WATER ANALYSIS REPORT

1-20-22

OPERATOR Gulf Energy-Minerals Co. - U.S. DATE August 12, 1975 LAB NO. 17087
WELL NO. No. 1-20-22 LOCATION Sec. 20-1N-2W
FIELD Bluebell FORMATION Green River
COUNTY Duchesne INTERVAL 9281
STATE Utah SAMPLE FROM DST No. 2 (Sample Chamber) 8-3-75

REMARKS & CONCLUSIONS:

| Cations | mg/l | meq/l | Anions | mg/l | meq/l |
|---|---|---|---|---|---|
| Sodium | 864 | 37.58 | Sulfate | 190 | 3.95 |
| Potassium | 27 | 0.69 | Chloride | 84 | 2.37 |
| Lithium | | | Carbonate | 204 | 6.79 |
| Calcium | 16 | 0.80 | Bicarbonate | 1598 | 26.21 |
| Magnesium | 3 | 0.25 | Hydroxide | | |
| Iron | - | | Hydrogen sulfide | | |
| Total Cations | | 39.32 | Total Anions | | 39.32 |

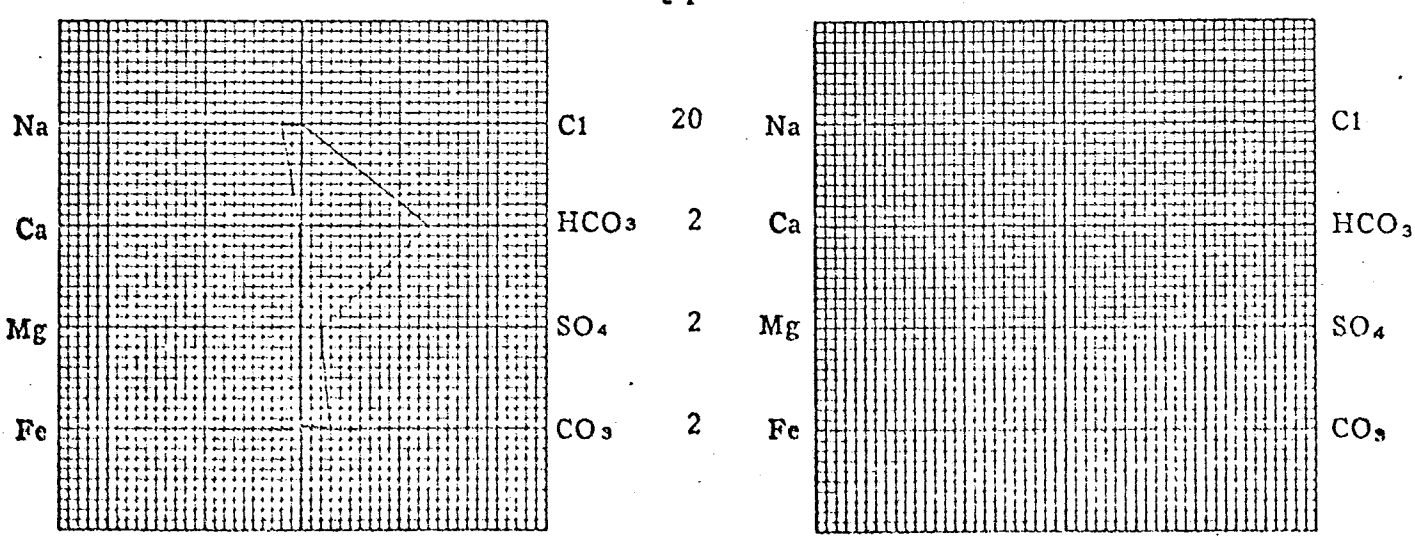
Total dissolved solids, mg/l 2175
NaCl equivalent, mg/l 1780
Observed pH 8.9

Specific resistance @ 68°F.:
Observed 3.50 ohm-meters
Calculated 3.40 ohm-meters

### WATER ANALYSIS PATTERN

Sample above described

Scale
MEQ per Unit




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

CL-511-1

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



# CORE ANALYSIS RESULTS

Company GULF OIL COMPANY
Formation LOWER GREEN RIVER
File RP-4-3450
Well 1-20 Z2 GULF UTE
Core Type DIA CONV 4"
Date Report 8-27-75
Field BLUE BELL
Drilling Fluid WB
Analysts KB:VE
County DUCHESNE State UTAH Elev. 6396 KB Location NW SE SEC 20-1N-2W

## Lithological Abbreviations

SAND-SD, SHALE-SH, LIME-LM, DOLOMITE-DOL, CHERT-CH, GYPSUM-GYP, ANHYDRITE-ANHY, CONGLOMERATE-CONG, FOSSILIFEROUS-FOSS, SANDY-SDY, SHALY-SHY, LIMY-LMY, FINE-FN, MEDIUM-MED, COARSE-CSE, CRYSTALLINE-XLN, GRAIN-GRN, GRANULAR-GRNL, BROWN-BRN, GRAY-GY, VUGGY-VGY, FRACTURED-FRAC, LAMINATION-LAM, STYLOLITIC-STY, SLIGHTLY-SL/, VERY-V/, WITH-W/

| SAMPLE NUMBER | DEPTH FEET | PERMEABILITY MILLIDARCYS | POROSITY PER CENT | RESIDUAL SATURATION PER CENT PORE OIL | RESIDUAL SATURATION PER CENT PORE TOTAL WATER | SAMPLE DESCRIPTION AND REMARKS | GRN. DNS. |
|---|---|---|---|---|---|---|---|
| 1 | 11033.0 | 0.07 | 7.3 | 17.8 | 27.5 | Sd, tn f-cg sl/calc | 2.68 |
| 2 | 11035.0 | 0.12 | 6.9 | 40.2 | 12.9 | Sd, tn fg | 2.65 |
| 3 | 11036.5 | 0.61 | 9.3 | 33.1 | 9.3 | Sd, tn fg | 2.67 |
| 4 | 11037.6 | 1.1 | 8.2 | 23.0 | 13.3 | Sd, tn f-mg sl/calc tr/sh incl | 2.69 |
| 5 | 11039.0 | 1.7 | 8.5 | 24.3 | 16.2 | Sd, tn f-mg | 2.71 |
| 6 | 11040.0 | 10 | 10.1 | 23.7 | 12.3 | Sd, tn fg | 2.69 |
| 7 | 11041.0 | 2.0 | 7.9 | 30.9 | 12.4 | Sd, tn fg | 2.67 |
| 8 | 11042.5 | 1.2 | 10.8 | 29.8 | 14.5 | Sd, tn fg sl/calc | 2.67 |
| 9 | 11043.5 | 11 | 11.5 | 23.1 | 14.1 | Sd, tn f-mg | 2.71 |
| 10 | 11044.5 | 9.8 | 9.8 | 24.8 | 12.9 | Sd, tn fg | 2.70 |
| 11 | 11045.7 | 32 | 11.1 | 31.8 | 12.9 | Sd, tn fg | 2.70 |
| 12 | 11048.0 | 2.1 | 7.9 | 34.2 | 10.1 | Sd, tn f-mg | 2.71 |
| 13 | 11049.2 | 1.4 | 8.8 | 28.0 | 10.1 | Sd, tn fg sl/calc | 2.68 |

SAMPLES WERE RUN AS PER CLIENTS INSTRUCTIONS

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

COMPANY GULF OIL COMPANY FIELD BLUE BELL FILE RP-4-3450

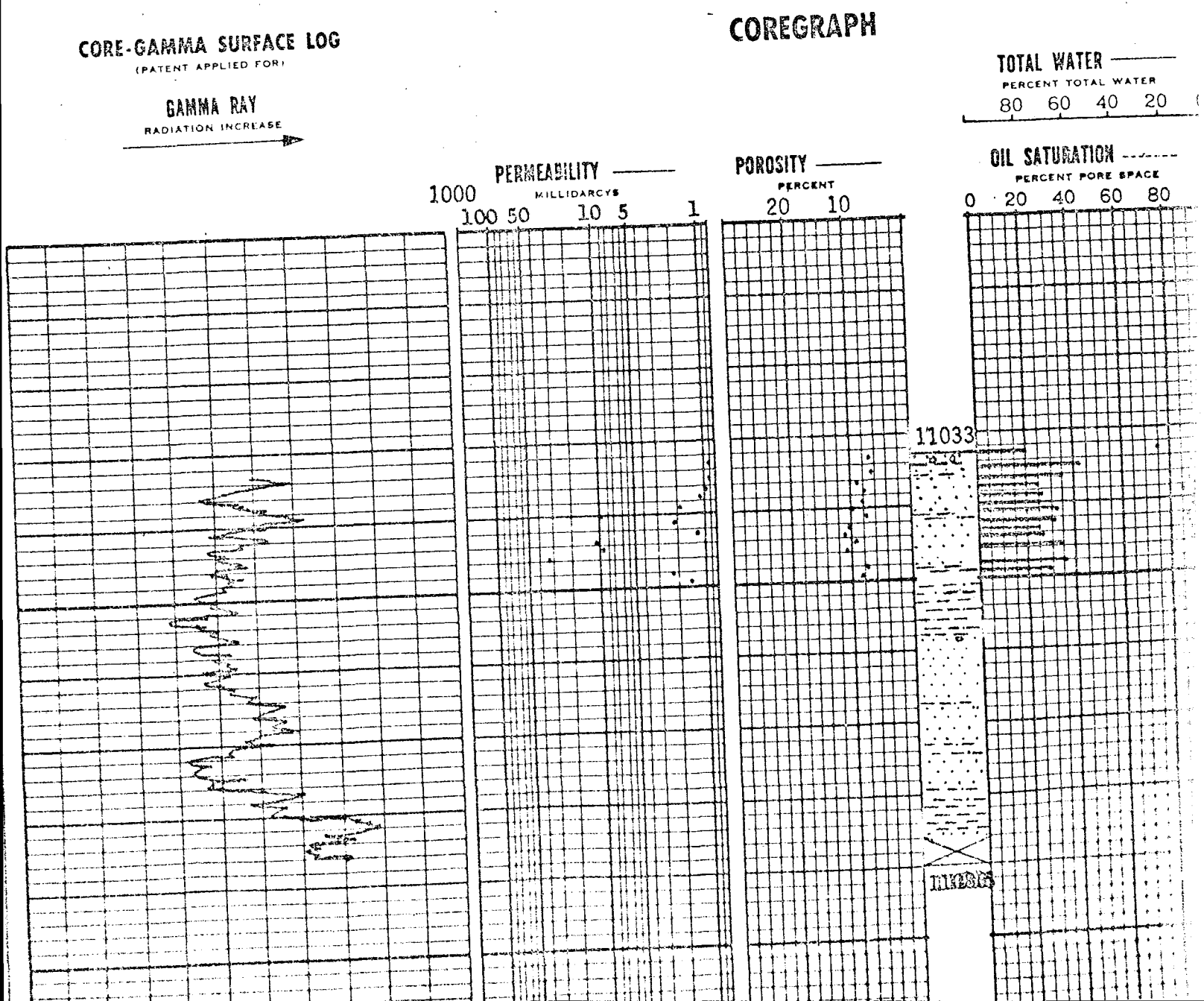
WELL 1-20 Z2 GULF UTE COUNTY DUCHESNE DATE 8-27-75

LOCATION SEC 20-1N-2W STATE UTAH ELEV. 6396 KB

# CORE-GAMMA CORRELATION

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

VERTICAL SCALE: 5" = 100'



CL-523

# CORE SUMMARY AND CALCULATED RECOVERABLE OIL

FORMATION NAME AND DEPTH INTERVAL: Lower Green River - 11033.0-11049.2 Feet

| | | | |
|---|---|---|---|
| FEET OF CORE RECOVERED FROM ABOVE INTERVAL | 13 | AVERAGE TOTAL WATER SATURATION: PER CENT OF PORE SPACE | 13.7 |
| FEET OF CORE INCLUDED IN AVERAGES | 13 | AVERAGE CONNATE WATER SATURATION: PER CENT OF PORE SPACE | 15 (e) |
| AVERAGE PERMEABILITY: MILLIDARCYS | 5.6 | OIL GRAVITY: °API | 33 (e) |
| PRODUCTVE CAPACITY: MILLIDARCY-FEET | 73.1 | ORIGINAL SOLUTION GAS-OIL RATIO: CUBIC FEET PER BARREL | |
| AVERAGE POROSITY: PER CENT | 9.1 | ORIGINAL FORMATION VOLUME FACTOR: BARRELS SATURATED OIL PER BARREL STOCK-TANK OIL | 1.25 (e) |
| AVERAGE RESIDUAL OIL SATURATION: PER CENT OF PORE SPACE | 28.1 | CALCULATED ORIGINAL STOCK-TANK OIL IN PLACE: BARRELS PER ACRE-FOOT | 480 |

Calculated maximum solution gas drive recovery is barrels per acre-foot, assuming production could be continued until reservoir pressure declined to zero psig. Calculated maximum water drive recovery is barrels per acre-foot, assuming full maintenance of original reservoir pressure, 100% areal and vertical coverage, and continuation of production to 100% water cut. *(Please refer to footnotes for further discussion of recovery estimates.)*

(c) Calculated (e) Estimated (m) Measured (*) Refer to attached letter.

## INTERPRETATION OF DATA

11033.0-11049.2 Feet - Interval believed to be oil productive.

*These recovery estimates represent theoretical maximum values for solution gas and water drive. They assume that production is started at original reservoir pressure; i.e., no account is taken of production to date or of prior drainage to other areas. The effects of factors tending to reduce actual ultimate recovery, such as economic limits on oil production rates, gas-oil ratios, or water-oil ratios, have not been taken into account. Neither have factors been considered which may result in actual recovery intermediate between solution gas and complete water drive recoveries, such as gas cap expansion, gravity drainage, or partial water drive. Detailed predictions of ultimate oil recovery to specific abandonment conditions may be made in an engineering study in which consideration is given to overall reservoir characteristics and economic factors.*

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

Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

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

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK: DRILL ☐ DEEPEN ☒ PLUG BACK ☐

b. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ OTHER SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR: Gulf Oil Corporation

3. ADDRESS OF OPERATOR: P.O. Box 2619, Casper, WY 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 2432' WEL & 1962' NSL (NW SE)
At proposed prod. zone:

5. LEASE DESIGNATION AND SERIAL NO.: 14-20-H62-1537

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: The Ute Indian Tribe

7. UNIT AGREEMENT NAME: ---

8. FARM OR LEASE NAME: Ute

9. WELL NO.: 1-2072

10. FIELD AND POOL, OR WILDCAT: Bluebell

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 20-1N-2W

12. COUNTY OR PARISH: Duchesne

13. STATE: Utah

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 4.5 mi. W; 3.4 mi. N; .5 mi W from Neola, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 1962' NSL of Section 20

16. NO. OF ACRES IN LEASE: 640

17. NO. OF ACRES ASSIGNED TO THIS WELL: 640

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: None in Section 20

19. PROPOSED DEPTH: 17,300'

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 6376' GL

22. APPROX. DATE WORK WILL START*: Upon Approval

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|---|---|---|---|---|
| 6" | 5" OD New | 18# P 105 | Liner from 11,785' to TD | Cement all of Liner |

Well was drilled to 12,300'. 7" OD Casing was set and cemented at 12,285' with 775 sxs cement. Well was perforated in the Green River Formation from 10,910' to 11,822'. 119 feet, 476 holes, 11 Interval. Green River production was Non-Commercial. Propose to cement squeeze all existing Green River perforations. Will move in Rotary Drilling Rig to deepen the well from 12,300' to 17,300' and test the Wasatch formation by drilling 6" hole below existing 7" casing and running 5" OD Liner.

No additional surface disturbance is required for this activity.

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING
DATE: Aug. 20, 1976
BY: P.L. Driscoll

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: J. A. Layton — TITLE: Area Drilling Superintendent — DATE: August 18, 1976

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal 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.

**Item 1:** If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

**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 14:** Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

**Items 15 and 18:** If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

**Item 22:** Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

*GPO 782-931

cc: Utah Oil & Gas Commission
1588 W. North Temple
Salt Lake City, UT 84116
Attn: Mr. Cleon Feight (2)

Bureau of Indian Affairs
Uintah and Ouray Agency
Ft. Duchesne, UT 84026

Ute Distribution Corp.
P.O. Box 696
Roosevelt, UT 84066

Gulf Oil Corporation
P.O. Box 2100, 18th Floor
Houston, TX 77001
Attn: Mr. W. F. Pinkerton

GULF ENERGY AND MINERALS COMPANY

Seven Point Information Sheet
Attach to U.S.G.S. Form 9-331-C
For

**Well:** Ute No. 1-20Z2
**Location:** Section 20-1N-2W
**County and State:** Duchesne, Utah
**Lease Number:**

1. Surface casing: Size, weight, length, grade, new or used:

   Existing Casing - 9 5/8" OD 36# K55 New, Set at 2890' cemented to surface.

2. Size and series (pressure rating) of casingheads, flanges, and spools:

   Existing Casinghead Flange - 10" Series 900
   Existing Spool - 10" Series 900 X 6" series 1500

3. Intermediate casing: Size, weight, length, grade, new or used:

   Existing Casing - 7" OD 29# and 26# P110 New, set at 12,285'. Cemented with 775 sacks.

4. Blowout preventers: 6" series 1500 installed on 7" OD Casing
   1 - Double Ram Gate with Blind Rams and 3 1/2" Pipe Rams
   1 - Single Ram Gate with 3 1/2" Pipe Rams
   1 - Bag Type
   1 - Rotating Head
   1 - 10,000# Test Manifold

5. Auxiliary equipment:

   Mud-gas Separator, Degasser, PVT, Flo-Sensor, Pump Stroke Counters, Hydraulic Choke and Gas Detector. Upper Kelly Cock. Lower Kelly Cock and DP Sub available on the rig floor.

6. Anticipated bottom hole pressure at total depth or maximum expected pressure:

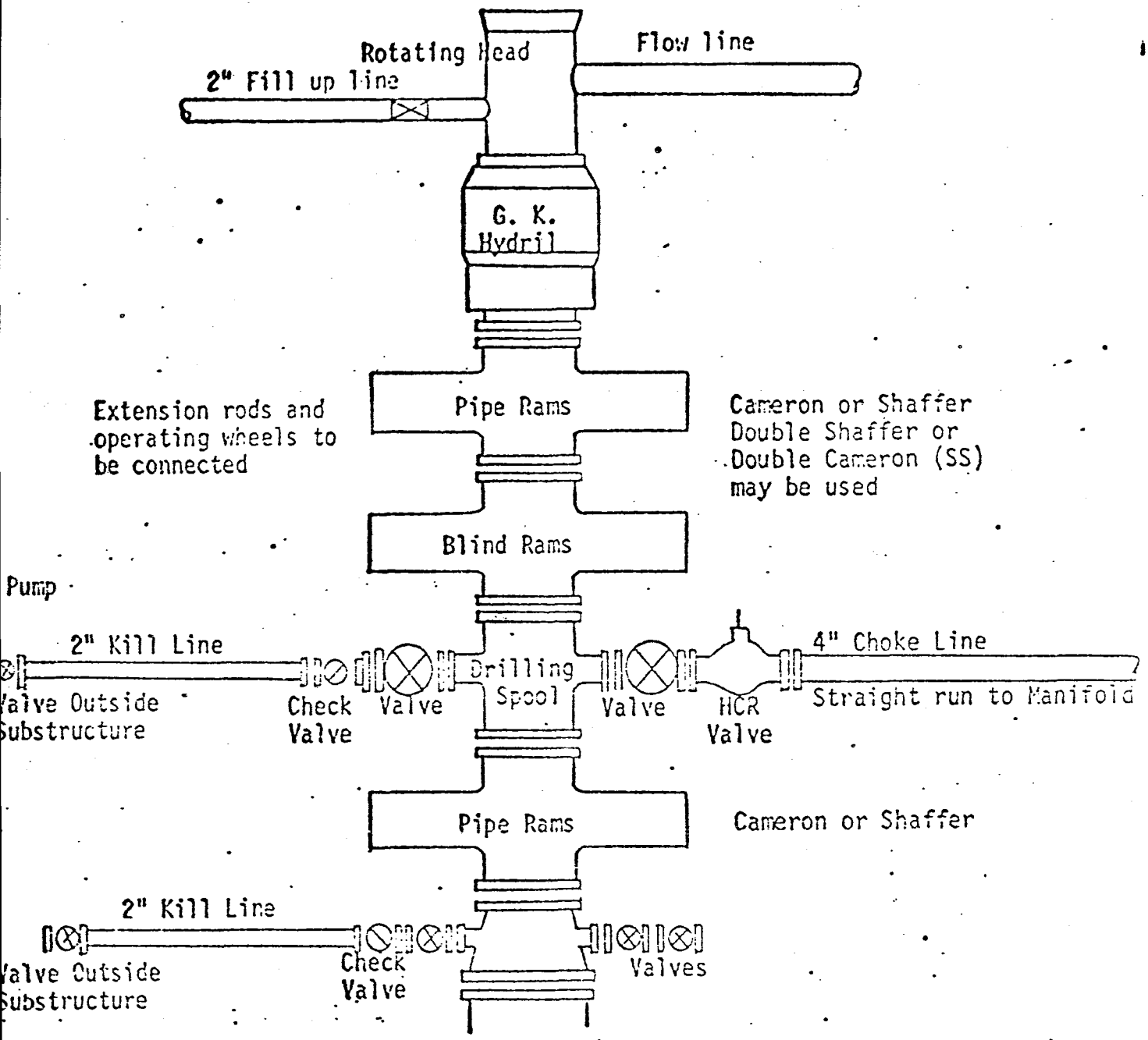
   13,300# at 17,300'.

7. Types of drilling fluid:

   Fresh water, low solids, gel mud will be used to TD. Bulk Barite on location will be approximately 100,000#.

5,0[illegible] PSI WORKING PRESSURE BOP HOOK
AP[illegible] SERIES 1,500 FLANGES OR BETTER

Install on ~~9-5/8"~~ 7" and _____ casing. Pressure test to 5,000 psi after installing on ~~9-5/8"~~ 7" casing, and to _____ psi after installing on _____ casing.

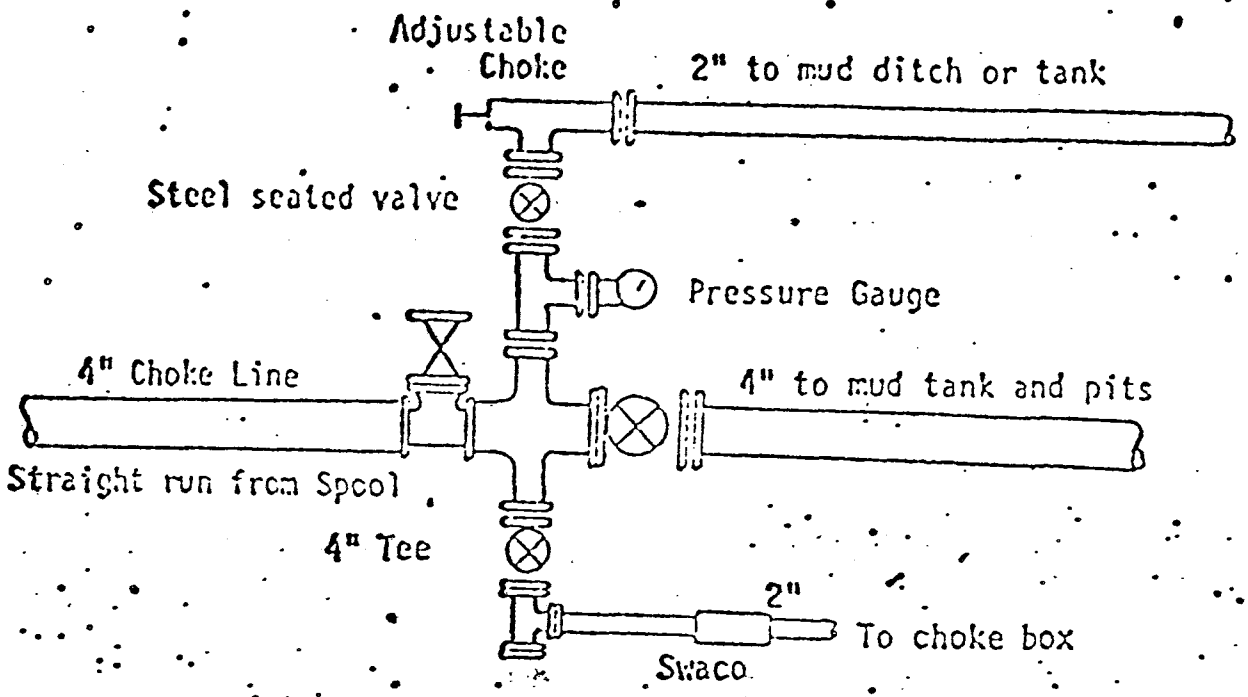



The BOPs shall be hydraulic operated hydraulic, air, or electrical pumps, with volume tank such that all BOPs can be closed once if power source is inoperative. The side outlets on casinghead shall be flanged connections, and must be provided with two steel seated valves, including a check valve. The drilling spool shall have two API flanged outlets; 4" is preferable for both, but 4" and 3" or 4" and 2" is acceptable. The choke line shall be connected to the 4" outlet with a steel seated valve flanged to the drilling spool then a Cameron HRC valve. The other side outlet will be for the kill line with a steel seated valve the same I.D. as the opening then a 2" check valve flanged to the drilling spool. Other kill line valves may be any type suitable for 5,000 psi working pressure. Gulf will furnish all valves on casinghead. Contractor to furnish and maintain at his expense all other equipment.

# 5000# W.P. BOP CHOKE MANIFOLD

## Minimum Assembly

Pressure test to 5000 psi after ~~9-5/8"~~ 7" casing run; and to _____ psi after ___ casing run.




Minimum acceptable size of valve flanged to drilling spool will be 4". e line, cross, and valve in the run of the discharge line should be the same size the valve used on the drilling spool, and must be at least 4". The side outlets the cross may be larger than 2", but the valve attached to the choke and the choke st be 2" nominal size. A pressure gauge must be attached near the cross. The bleed f lines from the chokes should be arranged for straight line discharge into the pits. l bleed off lines shall have at least the pressure rating of the assembly being used.

Choke manifold and bleed off lines to be securely fastened down. All of oke manifold assembly and choke lines to be furnished and maintained by Contractor.

te: 3" equipment may be furnished with Gulf's approval.

ATTACHMENT 2-A

# SUMMARY OF ENVIRONMENTAL IMPACT EVALUATION

Gulf Oil Co.
UTE TRIBAL 1-2022
T.L. 14-20-H62-1537
NW/SE SEC. 20, T1N
R2W, Duchesne Co
Utah.
Gulf - D. Beard
BIA - A. Valverde
USGS - B. Fiant

☐ No effect
☐ Enhance
☑ Minor impact
☒ Major impact

| | | Construction | | | | Pollution | | | | Drilling Production | | | | | | Transport Operations | | | Accidents | | Others |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Roads, bridges, airports | Transmission lines, pipelines | Dams & impoundments | Others (pump stations, compressor stations, etc.) | Burning, noise, junk disposal | Liquid effluent discharge | Subsurface disposal | Others (toxic gases, noxious gas, etc.) | Well drilling | Fluid removal (Prod. wells, facilities) | Secondary Recovery | Noise or obstruction of scenic views | Mineral processing (ext. facilities) | Others | Trucks | Pipelines | Others | Spills and leaks | Operational failure | |
| Land Use | Forestry NA | | | | | | | | | | | | | | | | | | | | |
| | Grazing | / | | / | | | / | | | / | | | | | | | | | / | / | |
| | Wilderness NA | | | | | | | | | | | | | | | | | | | | |
| | Agriculture NA | | | | | | | | | | | | | | | | | | | | |
| | Residential-Commercial | | | | | | | | | | | | | | | | | | | | |
| | Mineral Extraction ? | | | | | | | | | | | | | | | | | | | | |
| | Recreation | / | | | | | / | | | / | | | / | | | / | | | / | / | |
| | Scenic Views | / | | / | | | / | | | / | | | / | | | | | | / | / | |
| | Parks, Reserves, Monuments NA | | | | | | | | | | | | | | | | | | | | |
| | Historical Sites NO EVIDENCE | | | | | | | | | | | | | | | | | | | | |
| | Unique Physical Features | | | | | | | | | | | | | | | | | | | | |
| Flora & Fauna | Birds | / | | / | | / | / | | | / | | | | | | / | | | / | / | |
| | Land Animals | / | | / | | / | / | | | / | | | | | | / | | | / | / | |
| | Fish NA | | | | | | | | | | | | | | | | | | | | |
| | Endangered Species NONE KNOWN | | | | | | | | | | | | | | | | | | | | |
| | Trees, Grass, Etc. | / | | / | | | / | | | | | | | | | | | | / | / | |
| Phy. Charact. | Surface Water | | | | | | | | | | | | | | | | | | | | |
| | Underground Water | | | | | | | | | | | | | | | | | | | | |
| | Air Quality | | | | | / | | | | / | | | | | | / | | | | | |
| | Erosion | / | | / | | | / | | | | | | | | | | | | | | |
| | Other | | | | | | | | | | | | | | | | | | | | |
| | Effect On Local Economy | 0 | | 0 | | | | | | 0 | | | | | | 0 | | | | | |
| | Safety & Health | | | | | / | | | | / | | | | | | / | | | | | |
| | Others cc: O&GS, NRMA, Casper Reg. Mgr., Denver BIA w/o Matrix State O&G - Cleon Feight File | | | | | | | | | | | | | | | | | | | | |

TRIBAL SURFACE

Lease TRIBAL 14-20-H62-1537

Well No. & Location #1-20Z2 NW/SE SEC. 20 T 1N R2W Duchesne Co. Utah.

ENVIRONMENTAL IMPACT ANALYSIS - ATTACHMENT 2-B

1. Proposed Action

Gulf Oil Co proposes to drill a oil & gas development well to the approx. depth of 12,300'. To clear and level a drilling location 220' x 400' and to construct a reserve pit approx 200' x 200 to accomodate drilling operations. To construct approx ½ mile of new access road.

2. Location and Natural Setting (existing environmental situation)

The proposed location is approx five miles North/West of Neola, Utah. It lies in a relatively flat area at the base of a steep rocky ridge. The general area is rolling hills with numerous washes.
The Yellowstone Extension canal is approx. three hundred feet to the North and runs parallel with the proposed location.
Vegetation consists of juniper trees (densly covered) and sage brush.
There are also native grasses as well as a few greese wood plants.
Wild life found are mule deer, rabbits and upland game birds.
The proposed access road follows a ~~AA~~ ridge N/W from existing road and will require little grade in construction.
The construction of this location will not require any significant changes in the natural drainage pattern.

3. Effects on Environment by Proposed Action (potential impact)

- The loss of natural vegetation (to be reseeded).
- Temporary disturbance of live stock and wild life.
- Small amount of air pollution due to rig activity and associated traffic.
- Minor amount of errosion due to access road construction
- The road & location construction and rehab will be conducted by a local contractor, thus benefiting the local economy slightly.
- A blow out could cause environmental problems but any effluent could be contained in the near-by area

4. Alternatives to the Proposed Action

Not approving the APD

Suggesting an alternate location. No near-by locations could be found that would justify this action.

5. Adverse Environmental Effects Which Cannot Be Avoided

THE TEMP. LOSS OF NATURAL VEGETATION

TEMP. DISTURBANCE OF LIVE STOCK AND WILD LIFE.

- MINOR AMOUNT OF AIR POLLUTION DUE TO RIG ACTIVITY AND ASSOCIATED TRAFFIC.

- MINOR AMOUNT OF ERROSION DUE TO ACCESS ROAD CONSTRUCTION & SUPPORT TRAFFIC USE.

6. Determination

(This requested action (~~does~~) (does not) constitute a major Federal action significantly affecting the environment in the sense of NEPA, Section 102(2) (c)).

Date Inspected 4-25-75

Geological Survey
~~Casper District~~ SALT LAKE CITY DISTRICT
~~Casper, Wyoming~~

CALVIN L. RAMPTON
*Governor*

GORDON E. HARMSTON
*Executive Director,*
*NATURAL RESOURCES*

CLEON B. FEIGHT
*Director*

**STATE OF UTAH**
DEPARTMENT OF NATURAL RESOURCES
**DIVISION OF OIL, GAS, AND MINING**
**1588 West North Temple**
**Salt Lake City, Utah 84116**
**(801) 533-5771**

OIL, GAS, AND MINING BOARD

GUY N. CARDON
*Chairman*

CHARLES R. HENDERSON
ROBERT R. NORMAN
JAMES P. COWLEY
HYRUM L. LEE

August 20, 1976

Gulf Oil Corporation
P. O. Box 2619
Casper, Wyoming 82602

Re: Well No. Ute 1-20Z2 ( Permit to Deepen )
Sec. 20, T. 1N, R. 2W
Duchesne County, Utah

Gentlemen:

Enclosed is the approved application for ' Permit to Deepen ' for above referred to location.

It has been requested by Mr. P. L. Driscoll, the Division's Petroleum Engineer, that you please notify this division when you move in a rig on this location.

Your cooperation will be greatly appreciated.

Thank-you,

DIVISION OF OIL, GAS, AND MINING

KATHY OSTLER
RECORDS CLERK

Form approved.
Budget Bureau No. 42-R714.4.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ALLOTTEE .....
TRIBE .....
LEASE NO. 14-20-H62-1537

# LESSEE'S MONTHLY REPORT OF OPERATIONS

*State* Utah *County* Duchesne *Field* Bluebell

*The following is a correct report of operations and production (including drilling and producing wells) for the month of* July, *19*76;

*Agent's address* P. O. Box 2619 *Company* Gulf Oil Corporation

Casper, Wyoming 82601 *Signed* .....

*Phone* 307-235-1311 *Agent's title* Senior Clerk

| Sec. and ¼ of ¼ | Twp. | Range | Well No. | Days Produced | Barrels of Oil | Gravity | Cu. Ft. of Gas (In thousands) | Gallons of Gasoline Recovered | Barrels of Water (If none, so state) | REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas) |
|---|---|---|---|---|---|---|---|---|---|---|
| NW SE 20 | 1N | 2W | 1-2022 | 0 | 0 | | - | | None | CI WO further work |

OIL: (Barrels)

On hand beginning of month 0
Produced during month 0
Sold during month 0
Unavoidably Lost 0
Reason
On hand at end of month 0

GAS: (MCF)

Sold 0
Flared/Vented 0
Used On/Off Lse - 0

WATER: (Barrels)

Disposition 0
Pit 0
Injected 0

3 - U.S.G.S., SLC
2 - Utah Oil & Gas Cons. Comm.
1 - DeGolyer and MacNaughton
1 - KK
1 - Houston
1 - OC
2 - File
1 - BN

CUMULATIVE PRODUCTION

0 BO 949 BW 0 MCF

UTE #1-2022

NOTE.—There were No runs or sales of oil; No M. cu. ft. of gas sold; ..... runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Form 9-329 A
(December 1948)

16—26231-7 U.S. GOVERNMENT PRINTING OFFICE

CIRCULATE TO:

DIRECTOR ☑
PETROLEUM ENGINEER ☑
MINE COORDINATOR ☐
ADMINISTRATIVE ASSISTANT ☐
ALL ☐

RETURN TO Kathy FOR FILING

September 1, 1976

MEMO FOR FILING:

Re: Gulf Oil Corp.
Ute 1-20Z2
Sec. 20, T. 1N, R. 2W
Duchesne Co., Utah

Verbal notice was given on August 31, 1976, that a rig was moving in on above location.

PATRICK L. DRISCOLL
CHIEF PETROLEUM ENGINEER

PLD/tlb

Form 9-330
(Rev. 3-63)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE (See other instructions on reverse side)

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

# WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] Other

b. TYPE OF COMPLETION: NEW WELL [ ] WORK OVER [ ] DEEP-EN [X] PLUG BACK [ ] DIFF. RESVR. [ ] Other

RECEIVED FEB 3 1977 DIVISION OF OIL, GAS & MINING

2. NAME OF OPERATOR: Gulf Oil Corporation

3. ADDRESS OF OPERATOR: P. O. Box 2619, Casper, WY 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 2432' WEL & 1962' NSL (NW SE)
At top prod. interval reported below: Same
At total depth: Same

14. PERMIT NO. 43-013-30378 DATE ISSUED

5. LEASE DESIGNATION AND SERIAL NO.: 14-20-H62-1537
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: The Ute Indian Tribe
7. UNIT AGREEMENT NAME: ----
8. FARM OR LEASE NAME: Ute
9. WELL NO.: 1-20Z2
10. FIELD AND POOL, OR WILDCAT: Bluebell
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: 20-1N-2W
12. COUNTY OR PARISH: Duchesne
13. STATE: Utah

| 15. DATE SPUDDED | 16. DATE T.D. REACHED | 17. DATE COMPL. (Ready to prod.) | 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* | 19. ELEV. CASINGHEAD |
|---|---|---|---|---|
| | 1-7-77 | 1-21-77 | 6376 GL | |

| 20. TOTAL DEPTH, MD & TVD | 21. PLUG, BACK T.D., MD & TVD | 22. IF MULTIPLE COMPL., HOW MANY* | 23. INTERVALS DRILLED BY | ROTARY TOOLS | CABLE TOOLS |
|---|---|---|---|---|---|
| 17,310' | 17,231' | ----- | → | 0' - TD | ----- |

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
16,078' - 17,146' Wasatch

25. WAS DIRECTIONAL SURVEY MADE: -----

26. TYPE ELECTRIC AND OTHER LOGS RUN: FDC - BHC - DIL

27. WAS WELL CORED: Yes

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

| CASING SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
|---|---|---|---|---|---|
| None | | | | | |

29. LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) |
|---|---|---|---|---|
| 5" | 10,054' | 17,304' | 2000 | |

30. TUBING RECORD

| SIZE | DEPTH SET (MD) | PACKER SET (MD) |
|---|---|---|
| 2 7/8 | 10,128 | 9,997 |
| 2 1/16 | 4,044 | |

31. PERFORATION RECORD (Interval, size and number)
See attached

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

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED |
|---|---|
| See attached | |

33.* PRODUCTION

| DATE FIRST PRODUCTION | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) | WELL STATUS (Producing or shut-in) |
|---|---|---|
| 1-11-77 | Flowing | Producing |

| DATE OF TEST | HOURS TESTED | CHOKE SIZE | PROD'N. FOR TEST PERIOD | OIL—BBL. | GAS—MCF. | WATER—BBL. | GAS-OIL RATIO |
|---|---|---|---|---|---|---|---|
| 1-21-77 | 24 | 34/64" | → | 444 | 267 | 67 | 601:1 |

| FLOW. TUBING PRESS. | CASING PRESSURE | CALCULATED 24-HOUR RATE | OIL—BBL. | GAS—MCF. | WATER—BBL. | OIL GRAVITY-API (CORR.) |
|---|---|---|---|---|---|---|
| 100 | | → | 444 | 267 | 67 | 37.1° |

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Will be sold to Gary Operating Company

TEST WITNESSED BY

35. LIST OF ATTACHMENTS
FDC - BHC - DIL

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

ORIGINAL SIGNED BY H. S. SEALY

SIGNED H. S. Sealy TITLE Area Engineer DATE January 31, 1977

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

# 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.
If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.
**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.
**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.
**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.
**Item 29:** *"Sacks Cement":* Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.
**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

U.S.G.S., 8440 Federal Bldg; 125 So. State St., Salt Lake City, UT 84138 Attn: E. W. Guynn
Utah Oil & Gas Commission; 1588 W. North Temple, Salt Lake City, UT 84116 Attn: Mr. Cleon Feight
Bureau of Indian Affairs; Uintah & Duray Agency, Ft. Duchesne, UT 84026
Ute Distribution Corp.; P. O. Box 696, Roosevelt, UT 84066
Gulf Oil Corp.; P. O. Box 2100, 18th Floor, Houston, TX 77001 Attn: Mr. W. F. Pinkerton

**37. SUMMARY OF POROUS ZONES:**
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

| FORMATION | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC. |
|---|---|---|---|
| | | | For cored interval description, see first completion report dated 3-2-76. |

DeGolyer & MacNaughton
1 Energy Square
Dallas, TX 75206
Attn: Mr. J. E. Graham

**38. GEOLOGIC MARKERS**

| NAME | TOP MEAS. DEPTH | TOP TRUE VERT. DEPTH |
|---|---|---|
| No new formation tops | | |

U.S. GOVERNMENT PRINTING OFFICE : 1963—O-663636
897-497

UTE 1-20Z2

PERFORATION & TREATMENT RECORD

8/26/76 RU HOWCO pump in perfs 11,381' to 11,820' at 5 BPM at 2600 psi. Squeezed w/350 sx Kaiser Class "G" w/1.25% Halad 9. Squeezed to 2900 psi.

9/13/76 Set retainer at 11,221'. Circ. WOC. Squeeze perfs w/100 sxs Kaiser Class "G" w/2/10% LWL. Initial injection was 2 1/4 BPM at 3600 psi. Max press while staging cement was 3500 psi.

1/10/77 Perf the following w/tbg gun at 180° phasing w/6.5 gm Harrison charges. 1st Stage: From 17,138-46'; 17,123-35'; 17,103-08'; 17,026-30'; 17,014-19'; 16,991-95'; TP 1000 psi. 2nd Stage: 16,948-52'; 16,926-30'; 19,756-60'; 16,742-49'; 16,716-20'; 16,597-604'; 16,579-83'; 16,563-67'; TP 1200 psi. 3rd Stage: 16,554-59'; 16,546-50'; 16,528-32'; 16-517-22'; 16,384-88'; 16,366-72'; 16.340'-45'; 16,330-34'.

1/11/77 Finish perforating w/OWP. 4th Stage: 16,318-22'; 16,266-70'; 16,246-50'; 16,219-24'; 16,213-16'; 16,194-98'; 16,184-88'; 16,172-78'; 16,169-64' press 2200 psi. 5th Stage: 16,144-50'; 16,128-32'; 16,112-22'; 16,078-84'.

1/14/77 MIRU Howco. Treated as follows: Pmpd 2000 gal Diesel down tbg followed w/30,000 gal 15% HCl containing 1000 gal of 3 gal HAI=50 inhibitor, 5 gal IP-55 scale inhibitor, 3 gal 3N emulsifier, 5# FR-20. Dropped 450, 1:58 SG, 7/8" RCN Sealer balls throughout treatment. Obtained good diversion. Flushed to btm perfs at 17,146' w/13,420 gal formation wtr containing 2 gal/1000 of 3N non-emulsifier, 3 gal/100 FR 20. Avg press 11,700 psi, avg rate 7 bbl/min, avg HHP 2007 psi, max press 13,500 psi, max rate 14 BPM psi. ISI 9300 psi, 5 min 7500 psi, 10 min 6500 psi, 15 min 6150 psi. Open up well at 5 PM on 22/64" ck, tbg press 5800 psi, flwd to pit 2 hrs. Switched to tank battery tbg press 1100 psi Ck 18/64" 3 hrs. Tbg press 600 psi, ck 24/64" 8 hrs. Flwd 206 BO and 358 BW, 124 MCFG in 11 hrs. 696 BW to rec.

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

# 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.)

5. LEASE DESIGNATION AND SERIAL NO.: 14-20-H62-1537

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute Indian Tribe

1. OIL WELL [X] GAS WELL [ ] OTHER

7. UNIT AGREEMENT NAME: ----

2. NAME OF OPERATOR: Gulf Oil Corporation

8. FARM OR LEASE NAME: Ute

3. ADDRESS OF OPERATOR: P. O. Box 2619, Casper, Wyoming 82602

9. WELL NO.: 1-20Z2

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

2432' WEL & 1962' NSL (NW SE)

10. FIELD AND POOL, OR WILDCAT: Bluebell

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 20-1N-2W

RECEIVED MAY 20 1977 DIVISION OF OIL, GAS, & MINING

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 6376' GL

12. COUNTY OR PARISH: Duchesne

13. STATE: Utah

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

| NOTICE OF INTENTION TO: | | | | SUBSEQUENT REPORT OF: | | | |
|---|---|---|---|---|---|---|---|
| TEST WATER SHUT-OFF | [ ] | PULL OR ALTER CASING | [ ] | WATER SHUT-OFF | [ ] | REPAIRING WELL | [ ] |
| FRACTURE TREAT | [ ] | MULTIPLE COMPLETE | [ ] | FRACTURE TREATMENT | [ ] | ALTERING CASING | [ ] |
| SHOOT OR ACIDIZE | [ ] | ABANDON* | [ ] | SHOOTING OR ACIDIZING | [ ] | ABANDONMENT* | [ ] |
| REPAIR WELL | [ ] | CHANGE PLANS | [ ] | (Other) Remove well bore damage | | | [X] |
| (Other) Remove well bore damage | | | [X] | | | | |

(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.)*

See attached.

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING
DATE: May 23, 1977
BY: P. L. Driscoll

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

SIGNED: J. G. Croft TITLE: Petroleum Engineer DATE: May 16, 1977

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law 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.

**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 17:** Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

GPO 680-379

U.S.G.S.
8426 Federal Building
Salt Lake City, Utah 84138

Utah Oil & Gas Commission
1588 West North Temple
Salt Lake City; Utah 84111

Ute 1-2022
20-1N-2W, Duchesne Co., UT
1.000

5/17/77 Reconditioning. Gulf AFE 83398. On 5-8-77 MIRU Dowell, tested line to 12,000 psi Press annulus to 3000 psi. Treated gross interval 16,078-17,146 w/16,800 gal Dowell mud & silt suspending acid-100 (15% HCl plus surfactant and suspending agents) containing the following additive per 1000 gal: 5 gal A-200, 2 gal W-27, 2 1/2 gal J-120. Treated in 4 stages of 4200 gal acid separated by 300# Benzoic acid flakes. Flushed w/8000 gal form wtr containg 2 1/2 gal J-120 and 6 gal W-27 per 1000 gal. All acid and flush heated to 120° F. Obtained poor diversion. Max press 10,000 psi. Avg press 9000 psi. AIR 8 BPM, ISIP 4200. 5 min SIP 2000, 10 min SIP 1800, 15 min SIP 1700. Prod before treatment 100 BOPD and 75 BWPD on a 40/64" ck w/50 psi FTP. Prod after treatment 168 BOPD and 100 BWPD on a 40/64" ck w/50-100 psi FTP. DROP.

UTE 1-20 F-2

H = 26' KB to [redacted] (KB = 6402')

2890' 9 5/8" OD 36# K-55 8Rd LT&C

Approx 4600' 2 1/16" OD tbg (heat string)

2 7/8" OD tbg.

approx 10,000'

12,055' Top of liner

12,256' 7" OD 29# (4547') + 26# (7682') P-110 8Rd

Top of Marker jts.
13,219'
14,227'
15,247'
16,257'

WASATCH perf's 16078 - 17146 gross
177 ft 354 holes 35 intervals

PBTD (Landing Collar) 17,231'

17,308' 5" OD 18# P-110 Hydril SFJ

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

# 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 [X] GAS WELL [ ] OTHER

RECEIVED
JUN 10 1977

2. NAME OF OPERATOR
Gulf Oil Corporation

3. ADDRESS OF OPERATOR
P. O. Box 2619, Casper, Wyoming 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
2432' WEL & 1962' NSL (NW SE)

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
6376' GL

5. LEASE DESIGNATION AND SERIAL NO.
14-20-H62-1537

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Ute Indian Tribe

7. UNIT AGREEMENT NAME
----

8. FARM OR LEASE NAME
Ute

9. WELL NO.
1-20Z2

10. FIELD AND POOL, OR WILDCAT
Bluebell

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
20-1N-2W

12. COUNTY OR PARISH: Duchesne

13. STATE: Utah

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

| NOTICE OF INTENTION TO: | | | | SUBSEQUENT REPORT OF: | | | |
|---|---|---|---|---|---|---|---|
| TEST WATER SHUT-OFF | [ ] | PULL OR ALTER CASING | [ ] | WATER SHUT-OFF | [ ] | REPAIRING WELL | [ ] |
| FRACTURE TREAT | [ ] | MULTIPLE COMPLETE | [ ] | FRACTURE TREATMENT | [ ] | ALTERING CASING | [ ] |
| SHOOT OR ACIDIZE | [ ] | ABANDON* | [ ] | XXXXXXXX SHOOTING OR ACIDIZING | [X] | ABANDONMENT* | [ ] |
| REPAIR WELL | [ ] | CHANGE PLANS | [ ] | (Other) | | | [ ] |
| (Other) | | | [ ] | | | | |

(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.) *

See attached procedure.

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

SIGNED J. G. Croft TITLE Petroleum Engineer DATE 6/7/77

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law 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.

**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 17:** Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

GPO 680-379

U.S.G.S.
8440 Federal Building
125 South State Street
Salt Lake City, UT 84138
Attn: E. W. Guynn

Utah Oil & Gas Commission
1588 W. North Temple
Salt Lake City, UT 84116

WELL PROGRESS REPORT—Field
GUS 95368

| | Make reports complete, such as description of casing . . . Show, as soon as known, name of contractor, type of rig, and kind of fuel . . . In guide margin show casing (as, 7"), "Contractor," "Shot," "Acidized," etc. | | | | |
|---|---|---|---|---|---|
| GUIDE MARGIN | DATE | YEAR 1977 | A. F. E. 83398 | LEASE AND WELL UTE 1-20Z2 | |

BLUEBELL FIELD
Ute 1-20Z2
20-1N-2W, Duchesne Co., UT
1.000

5/17/77 Reconditioning. Gulf AFE 83398. On 5-8-77 MIRU Dowell, tested line to 12,000 psi. Press annulus to 3000 psi. Treated gross interval 16,078-17,146 w/16,800 gal Dowell mud & silt suspending acid-100 (15% HCl plus surfactant and suspending agents) containing the following additive per 1000 gal: 5 gal A-200, 2 gal W-27, 2 1/2 gal J-120. Treated in 4 stages of 4200 gal acid separated by 300# Benzoic acid flakes. Flushed w/8000 gal form wtr containg 2 1/2 gal J-120 and 6 gal W-27 per 1000 gal. All acid and flush heated to 120° F. Obtained poor diversion. Max press 10,000 psi. Avg press 9000 psi. AIR 8 BPM, ISIP 4200. 5 min SIP 2000, 10 min SIP 1800, 15 min SIP 1700. Prod before treatment 100 BOPD and 75 BWPD on a 40/64" ck w/50 psi FTP. Prod after treatment 168 BOPD and 100 BWPD on a 40/64" ck w/50-100 psi FTP. DROP.

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

# 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.)

5. LEASE DESIGNATION AND SERIAL NO.: 14-20-H62-1537

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute Indian Tribe

1. OIL WELL [X] GAS WELL [ ] OTHER

7. UNIT AGREEMENT NAME: ---

2. NAME OF OPERATOR: GULF OIL CORPORATION

8. FARM OR LEASE NAME: Ute

3. ADDRESS OF OPERATOR: P. O. Box 2619, Casper, Wyoming 82602

9. WELL NO.: 1-20Z2

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 2432' WEL & 1962' NSL (NW SE)

10. FIELD AND POOL, OR WILDCAT: Bluebell

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 20-1N-2W

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 6376' GL

12. COUNTY OR PARISH: Duchesne

13. STATE: Utah

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

| NOTICE OF INTENTION TO: | | | | SUBSEQUENT REPORT OF: | | | |
|---|---|---|---|---|---|---|---|
| TEST WATER SHUT-OFF | | PULL OR ALTER CASING | | WATER SHUT-OFF | | REPAIRING WELL | |
| FRACTURE TREAT | | MULTIPLE COMPLETE | | FRACTURE TREATMENT | | ALTERING CASING | |
| ~~XXXXXX~~ ACIDIZE | X | ABANDON* | | SHOOTING OR ACIDIZING | | ABANDONMENT* | |
| REPAIR WELL | | CHANGE PLANS | | (Other) | | | |
| (Other) | | | | (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.)*

See Attached Procedure

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING
DATE: Sept. 23, 1977
BY: P. L. Driscoll

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

SIGNED: J. G. Croft TITLE: Petroleum Engineer DATE: September 20, 1977

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law 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.

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GPO 680-379

U.S.G.S.
8440 Federal Building
125 South State Street
Salt Lake City, UT 84138
Attn: E. W. Guynn

Utah Oil & Gas Commission
1588 W. North Temple
Salt Lake City, UT 84116

Ute Tribal 1-20Z2

Remove Scale + Acid Stimulate 9/2/77

Procedure.

1. MIRU Dowell Install Tree saver. Press test lines to 10,000 psi. press Annulus to 3000 psi + S.I. Acidize down 2 7/8" tbg as follows.

a. 500 gal 15% HCl containing 20 gal L-47 scale inhibitor, 5 gal A-170 corr. inhib., 2 gal W-27 nonemul., + 4 lb L-41 Fe sequestering Agent., 2 lbs J-120 fric. Red.

b. pump 3000 gal form wtr. containing 9 gal L-47, 9 gal W-27 + 12 lbs J-120.

c. pump 1000 gal 15% HCl containing 3 gal L-47, 3 gal W-27, 10 gal A-170, + 4 lb L-41 + 4 lb J-120.

d. slug for diversion w/ 250 lbs benzoic Acid flakes + drop 40 1.1 sp. gr. 7/8" O.D. RCN sealer balls in last 100 gal of Acid.

e. Repeat steps 5a through 5d 12 times; the last time without diverting agents.

f. Flush w/ 8000 gal form wtr containing 24 gal L-47, 24 gal W-27 and 64 lbs J-120.

g. Shut well in over night to allow L-47 to plate out.

2. Flow back or swab to clean up + return to production.

Approved HSS Approved _____ Approved _____

Date 9-6-77 Date _____ Date _____

B. Saiz (5), WRM, JDR, JGC, HSS (orig), file.

UTE 1-20 F.R.

H = 26' KB to G[illegible] (KB = 6402')

2890' 9 5/8" OD 36# K-55 8Rd LT&C

Approx 4600' 2 1/16" OD tbg (heat string)

2 7/8" OD tbg.

approx 10,000'

14,055' Top of liner

12,286' 7" OD 29# (4597') + 26# (7692') P-110 8Rd

Top of Marker jts.
13,219'
14,227'
15,247'
16,257'

Wasatch perf's. 16078 - 17146 gross
177 ft 354 holes 35 intervals

PBTD (Landing Collar) 17,231'

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

# 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 [X] GAS WELL [ ] OTHER

2. NAME OF OPERATOR: Gulf Oil Corporation

3. ADDRESS OF OPERATOR: P. O. Box 2619, Casper, Wyoming 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 2432' WEL & 1962' NSL (NW SE)

5. LEASE DESIGNATION AND SERIAL NO.: 14-20-H62-1537

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute Indian Tribe

7. UNIT AGREEMENT NAME: ----

8. FARM OR LEASE NAME: Ute

9. WELL NO.: 1-20Z2

10. FIELD AND POOL, OR WILDCAT: Bluebell

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 20-1N-2W

12. COUNTY OR PARISH: Duchesne

13. STATE: Utah

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 6376' GL

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

| NOTICE OF INTENTION TO: | | | | SUBSEQUENT REPORT OF: | | | |
|---|---|---|---|---|---|---|---|
| TEST WATER SHUT-OFF | [ ] | PULL OR ALTER CASING | [ ] | WATER SHUT-OFF | [ ] | REPAIRING WELL | [ ] |
| FRACTURE TREAT | [ ] | MULTIPLE COMPLETE | [ ] | FRACTURE TREATMENT | [ ] | ALTERING CASING | [ ] |
| SHOOT OR ACIDIZE | [ ] | ABANDON* | [ ] | SHOOTING OR ACIDIZING | [ ] | ABANDONMENT* | [ ] |
| REPAIR WELL | [ ] | CHANGE PLANS | [ ] | (Other) | | | [ ] |
| (Other) Set Hyd Pumping Unit | [X] | | | (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.)*

See attachment.

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING
DATE: Oct. 31, 1977
BY: P. L. Driscoll

No additional surface disturbance is required.

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

SIGNED J. G. Croft TITLE Petroleum Engineer DATE Oct 25, 1977

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law 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.

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GPO 680-379

U.S.G.S.
8440 Federal Building
125 South State Street
Salt Lake City, UT 84138
Attn: E. W. Guynn

Utah Oil & Gas Commission
1588 W. North Temple
Salt Lake City, UT 84116

Plan to Equip to pump this well with an hydraulic pumping system No additional Surface disturbance is required to set 100 HP triplex pump on well location to power hydraulic pumping equipment in well bore. A concrete pad measuring approximately 16'x24'x8" will be poured to support the triplex pump & motor. This surface equipment will be housed in a building constructed on the concrete pad measuring 16'x24'x12'. This equipment will sit on the existing well location approximately 200' from the well head.

In addition a 300 bbl power water tank will be set on the existing tank grade. No additional surface disturbance is required to set the tank or install piping.

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

# 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.)

5. LEASE DESIGNATION AND SERIAL NO.: 14-20-H62-1537

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute Indian Tribe

1. OIL WELL [XX] GAS WELL [ ] OTHER

7. UNIT AGREEMENT NAME: ----

2. NAME OF OPERATOR: Gulf Oil Corporation

8. FARM OR LEASE NAME: Ute

3. ADDRESS OF OPERATOR: P. O. Box 2619, Casper, Wyoming 82602

9. WELL NO.: 1-20Z2

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 2432' WEL & 1962' NSL (NW SE)

10. FIELD AND POOL, OR WILDCAT: Bluebell

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 20-1N-2W

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 6376' GL

12. COUNTY OR PARISH: Duchesne

13. STATE: Utah

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

| NOTICE OF INTENTION TO: | | | | SUBSEQUENT REPORT OF: | | | |
|---|---|---|---|---|---|---|---|
| TEST WATER SHUT-OFF | [ ] | PULL OR ALTER CASING | [ ] | WATER SHUT-OFF | [ ] | REPAIRING WELL | [ ] |
| FRACTURE TREAT | [ ] | MULTIPLE COMPLETE | [ ] | FRACTURE TREATMENT | [ ] | ALTERING CASING | [ ] |
| SHOOT OR ACIDIZE | [ ] | ABANDON* | [ ] | ~~XXXXXXXX~~ ACIDIZING | [X] | ABANDONMENT* | [ ] |
| REPAIR WELL | [ ] | CHANGE PLANS | [ ] | (Other) | | | [ ] |
| (Other) | | | [ ] | | | | |

(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.)*

See attachment.

Approved
P.L. Driscoll
Nov. 2, 1977
Division Oil, Gas & Mining

RECEIVED
NOV 2 1977
DIVISION OF OIL, GAS & MINING

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

SIGNED J. G. Croft TITLE Petroleum Engineer DATE Oct 31, 1977

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

## Instructions

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GPO 680-379

cc: U.S.G.S
8440 Federal Building
125 South State Street
Salt Lake City, UT 84138
Attn: E. W. Guynn

Utah Oil & Gas Commission
1588 W. North Temple
Salt Lake City, UT 84116

Bureau of Indian Affairs
Uintah & Ouray Agency
Ft. Duchesne, UT 84026

Ute Distribution Corp.
P. O. Box 696
Roosevelt, UT 84066

WELL PROGRESS REPORT—Field
GUS 95368

| | Make reports complete, such as description of casing . . . Show, as soon as known, name of contractor, type of rig, and kind of fuel . . . In guide margin show casing (as, 7"), "Contractor," "Shot," "Acidized," etc. | | | | |
|---|---|---|---|---|---|
| GUIDE MARGIN | DATE | YEAR 1977 | A. F. E. 83444 | LEASE AND WELL Ute 1-20Z2 | |

BLUEBELL FIELD
Ute 1-20Z2
20-1N-2W, Duchesne Co., UT
1.000

10/21/77 Remove scale & acid stimulate. Gulf AFE #83444. On 9/26/77 MIRU Dowell tested lines to 10,000 psi. Press annulus to 3000 psi & SI. Acidized dn 2-7/8" tbg & treated Wasatch perf's 16078-17146 (O.A.) w/ 19500 gal 15% HCl in 13 stgs. Each contained following. (A) 500 gal 15% HCL w/ 20 gal L-47, 5 gal A-170, 2 gal W-27, 4lb L-41, & 2lb J-120. (B) 3000 gal form wtr w/ 9 gal L-47, 9 gal W-27, 12lbs J-120. (C) 1000 gal 15% HCl w/ 3 gal L-47, 3 gal W-27, 10 gal A-170,4lb L-41 & 4lb J-120. (D) stages separated by 250 bls benzoic acid flakes and 40 1.1 sp.gr. 7-7/8" RNC sealer balls obtained good diversion. Flushed w/ 8000 gal form wtr containing 3 gal L-47, 3 gal W-27, 8lbs J-120/1000 gal wtr. Max press 10,000 psi. Avg press 6800. AIR 11 BPM, ISIP 1400,5 min SIP 1300, 10 min SIP 1350, 15 min SIP 1350. Prior to treatment on 9/22/77 well flwd 108 BOPD & 100 BWPD on 40/64" ck w/ 50 FTP. After treatment on 10-4-77 well flowed 138 BOPD & 100 BWPD on 40/64" ck w/ 50 FTP. DROP

Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

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 [X] gas well [ ] other

2. NAME OF OPERATOR
Gulf Oil Corporation - attn: R. W. Huwaldt

3. ADDRESS OF OPERATOR
P. O. Box 2619, Casper, WY 82602

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2432' WEL & 1962' NSL (NW SE)
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
14-20-H62-1537

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Ute

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Ute

9. WELL NO.
1-20Z2

10. FIELD OR WILDCAT NAME
Bluebell

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 20-1N-2W

12. COUNTY OR PARISH: Duchesne
13. STATE: Utah

14. API NO.
43-013-30378

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6376' GL

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) Acidize Wasatch Perfs 16,074'-17,146' OA

(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.)*

See Attached.

RECEIVED
JAN 14 1983
DIVISION OF
OIL, GAS & MINING

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

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

SIGNED D. H. Jones TITLE Production Engineer DATE January 12, 1983

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

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U. S. Department of the Interior
Geological Survey
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104-3884

Oil & Gas Conservation Commission
State of Utah
4241 State Office Bldg.
Salt Lake City, UT 84114

Ute Tribe
P. O. Box 190
Fort Duchesne, UT 84026-0190

DeGolyer & MacNaughton
1 Energy Square
Dallas, TX 75206
Attn: Jim Curry

RWH-INFO

DHJ

RYA

☆GPO 1979—680-655/684

a) PUMP 2000 GAL OF ACID W/ 45 7/8", 1.1 SG RCN BALL SEALERS EVENLY DISPERSED THROUGHOUT THE FINAL 500 GAL.

b) REPEAT STEP a) EIGHT MORE TIMES.

c) REPEAT STEP a), BUT OMIT BALL SEALERS.

d) FLUSH TO BOTTOM PERF W/ 2% KCL WATER CONTAINING 1.5 GAL/1000 GAL FRICTION REDUCER, AND NON-EMULSIFIER.

ALL FLUIDS TO CONTAIN 1000 SCF/BBL NITROGEN, AND HEATED TO 125°F.

3) SWAB OR FLOW BACK LOAD. PUT ON PUMP.

DH JONES 12-31-82

| | | | | |
|---|---|---|---|---|
| APP'D. | JFW | EGM | JMB | |
| DATE | 1/4/83 | 1-11-82 | 1-11/83 | |

PROCEDURE

LITE #1-2022

SEC 20-1N-2W

DUCHESNE Co., UTAH

RE: ACIDIZE WASATCH PERFS 16,074'-17,146' OA

1) MIRU SLICKLINE. RIH AND REMOVE STANDING VALVE. POOH W/ VALVE. RIH W/ BLANKING SLEEVE AND SET IN BHA AT 15,367'. POOH. RD WIRELINE. PRESSURE TEST ANNULUS TO 2,500#.

2) PRESSURE ANNULUS TO 2500#. ACIDIZE W/ 20,000 GAL GELLED HCL ACID CONTAINING 0.3% CORROSION INHIBITOR, 25# /1000 GAL IRON SEQUESTERING AGENT, 40# /1000 GAL HEC GELLING AGENT (HYDROXYETHYL CELLULOSE OR COMPARABLE CHEMICALLY MODIFIED CELLULOSE DERIVATIVE; ± 2HR BREAK), 0.5% FINES SUSPENDING AGENT, AND A NON-EMULSIFIER TO BE DETERMINED FROM LAB TESTS. PUMP AT 8-10 BPM (5000# MAX. PRESSURE) DOWN TBG THE FOLLOWING SCHEDULE;

LITE # 1-2022

6376' GL - 6402' KB

(ALL DEPTHS PER KB)

SURFACE CSG:

9 5/8" OD, 36#, K-55

@ 2890' w/ 1380 SX

REMARKS:

1) COMPLETED 1-21-77

IPF - 444 BOPD, 267 MCFPD, 67 BWPD

2 1/16" TBG ?? OPEN ENDED

2 7/8", 6.5#, CS HYDRIL

TOL @ 10,055'

PRODUCTION CSG:

7" OD, 26# (7692) + 29# (4547'), P-110

@ 12,286' w/ 775 SX

ARMCO BHA - SLIMHOLE, CSG FREE @ 15,367'

BAKER LOK-SET PACKER @ 15,396'

PERF WASATCH 16,074' - 17,146' OA

TOTAL 177', 354 HOLES, 35 INTERVALS

PBTD @ 17,231'

LINER:

5", 18#, P-110

@ 17,308 w/ 2000 SX

TD @ 17,310'

Form 9–331
Dec. 1973

Form Approved.
Budget Bureau No. 42–R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

# SUNDRY NOTICES AND REPORTS ON WELLS

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1. oil well [X] gas well [ ] other

2. NAME OF OPERATOR
Gulf Oil Corporation, Attn: R. W. Huwaldt

3. ADDRESS OF OPERATOR
P. O. Box 2619; Casper, WY 82602

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2432' WEL & 1962' NSL (NW SE)
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
14-20-H62-1537

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Ute Indian Tribe

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Ute

9. WELL NO.
1-20Z2

10. FIELD OR WILDCAT NAME
Bluebell

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
20-1N-2W

12. COUNTY OR PARISH: Duchesne
13. STATE: Utah

14. API NO.
43-013-30378

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6376 GL

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 | [ ] | [X] |
| REPAIR WELL | [ ] | [ ] |
| PULL OR ALTER CASING | [ ] | [ ] |
| MULTIPLE COMPLETE | [ ] | [ ] |
| CHANGE ZONES | [ ] | [ ] |
| ABANDON* | [ ] | [ ] |
| (other) | | |

(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.)*

See attached.

RECEIVED
JUN 09 1983
DIVISION OF
OIL, GAS & MINING

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

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

SIGNED D. H. Jones TITLE Production Engineer DATE June 7, 1983

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

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Bureau of Land Management
2000 Administration Building
1745 West 1700 South
Salt Lake City, UT 84104-3884

State of Utah
Dept. of Natural Resources
Div. of Oil, Gas & Mining
4241 State Office Building
Salt Lake City, UT 84114

Chairman, Attn: Energy & Mineral
Ute Tribe
P. O. Box 190
Fort Duchesne, UT 84026

DeGolyer & MacNaughton
1 Energy Square
Dallas, TX 75206

RWH-INFO

DHJ

RYA

☆ GPO 1979—680-655/684

DIST/DIV OKLAHOMA CITY STRIP LOG REPORT PAGE 001
AREA CASPER DATE 05/19/83

FIELD BLUEBELL LOCATION SEC 20, T1N, R2W OPER WO
LSE/BLK UTE COUNTY DUCHESNE STATE UT STAT AC
WELL 1-2022 REFNO DJ7156 GWI 100.0000% OPERATOR GULF
RIG ST DATE 04/18/83 SUPERVIS /

DFS: 000 04/18/83 WORKOVER

4-18-83 ACDZ. API #43-013-30378. PKR @ 15,396'. RU SWB UNIT. WIH. PULL STNDG VALVE. RUN SLEEVE. SET IN ARMCO BHA AT 15,367'. PRESS TST ANN TO 1500PSI, HELD OK. SION.

DFS: 001 04/19/83 WORKOVER

4-19-83 ACDZ. API #43-013-30378. RU HOWCO TO ACD TRT WELL. PRESS TST LINES TO 5000PSI. PRESS TSTD ANN TO 1500PSI. PMP 400 GALS FMT WTR TO GET PMP RATE OF 3.1 BPM AT 5000PSI. SPT ACID & PMP 400 GALS ACID. RATE DRPD TO 0. SD & BLED OFF. STRTD TO PMP ACID @ 5000PSI AT 2 BPM. PMP 750 GALS & RATE WENT TO 0. CANNOT PMP INTO FMT. RU TREE SAVER. PRESS TST LINES TO 7500PSI. ANN TO 2500PSI. STRT PMPG ACID AT 7450PSI, RATE AT 3 BPM. PMPD 5280 GALS WHEN TUBE IN TREE SAVER RUPTURED. RD TREE SAVER & RU ON WH. ATT TO DISPL ACID F/TBG @ 5000PSI. PMP 2100 GALS FMT WTR. SOMETHING GAVE WAY DN HOLE. ANN PRESS WENT UP TO 4500PSI. BLED OFF ANN. RU FLW LINE. FLUSH TBG & ANN W/16,150 GALS FMT WTR. RD HOWCO. SWI.

DFS: 002 04/20/83 WORKOVER

4-20-83 ACDZ. API #43-013-30378. MIRU GAMACHE RIG. NU WH. NU BOP. ATT TO BLW WELL DN. WOULD NOT STP FLWG. RU TO CIR WELL. SIFN.

DFS: 003 04/21/83 WORKOVER

4-21-83 ACDZ. API #43-013-30378. BLED DN WELL. RU PMP. CIR WELL W/100 BBLS FMT WTR. POH W/128 JTS 2-1/6" HEAT STRING. CHNGD TO 2-7/8" TOOLS. CIR W/200 BBLS FMT WTR TO CLEAN OIL & ACID F/TBG & CSG. POH W/216 JTS 2-7/8" TBG, 6752'. FOUND BODY BRK IN TBG AT 6750'. RUN 20 STDS KILL STRING IN HOLE. SION.

DFS: 006 04/24/83 WORKOVER

4-22-83 ACDZ. API #43-013-30378. PBTD @ 17,231'. PERFS/FMT 16,078'-17,149'/WASATCH. EOT @ 4000'. POH W/20 STDS P-105 HYDRIL. MU & RIH W/ GRAPPLE OS FOR 2-7/8" TBG & 66 STDS 2-7/8" TBG. CIR EVERY OTHER STND W/FSW GAS & PARAFFIN PLUGS IN CSG. SION.
4-23-83 CIR WELL W/100 BBLS HOT FSW. BLED GAS OFF WELL IN 10 MINS. REC 10 BO & 0 BW. RIH W/85 JTS 2-7/8" P-105 HYDRIL TO TOF @ 6752'. CIR WELL W/200 BBLS HOT FSW. CAUGHT FSH & REL BAKER LOK-SET PKR @ 15,396'. POH W/ 109 JTS 2-7/8" HYDRIL & OS. CIR 300 BBLS HOT FSW DN 2-7/8" TBG. EOT @ 8701'. F/POH W/2-7/8" TBG, ARMCO CSG FC, BHA, LOK-SET PKR & 1 JT 2-7/8", N-80, 8RD TP. RIH W/40 STDS 2-7/6" TBG. FILL HOLE W/50 BFSW. SION.
4-24-83 SDFS.

DFS: 007 04/25/83 WORKOVER

4-25-83 ACDZ. API #43-013-30378. PBTD @ 17,231'. PERFS/FMT 16,078'-17,146'/WASATCH. SITP=200PSI. CIR WELL W/150 BFSW & BLED DN WELL IN 1/2 HR. REC 30 BO. POH W/5 STDS 2-7/8", P-105, HYDRIL TBG. CIR GAS FROM WELL POH W/35 STDS 2-7/8" TBG. MU & RIH W/4-1/8" MILL & SCRPR FOR 5", 18# CSG 1 STD 2-7/8", N-80, 8RD TBG, XO & 315 JTS 2-7/8", P-105, HYDRIL TBG. CIR GAS F/WELL AT 35 JTS, 100 JTS, 145 JTS, 200 JTS AND 300 JTS. EOT @ 9950'. TOL @ 10,055'.

DFS: 008 04/26/83 WORKOVER

4-26-83 ACDZ. API #43-013-30378. PBTD @ 17,231'. PERFS/FMT 16,078'-17,146'/WASATCH. EOT @ 2480'. SITP=560PSI. BLED WELL DN 1/2 HR. CIR GAS F/CSG W/150 BFSW. F/RIH W/2-7/8", P-105, HYDRIL TBG. CLEANED TO 17,178'. BTM PERF AT 17,146'. CIR WELL W/50 BFSW & POH W/230 STDS 2-7/8" TBG. SION.

DFS: 009 04/27/83 WORKOVER

4-27-83 ACDZ. API #43-013-30378. PBTD @ 17,231'. PERFS/FMT 16,078'-17,146'/WASATCH. EOT @ 7812'. SITP=500PSI. BLED WELL DN. CIR GAS & PARAFFIN FROM TBG W/WARM FSW. POH W/40 STDS 2-7/8" TBG, SCRPR & MILL. MU AND RIH W/1 JT 2-7/8", N-80, 8RD TBG, HOWCO RTTS II PKR FOR 5", 18# CSG, 1 JT 2-7/8", 8RD TBG, BKR "F" NIPPLE (2.25" ID), XO & 124 STDS 2-7/8", HYDRIL TBG. HYDRO-TSTD IN HOLE TO 8000PSI. CIR PARAFFIN & GAS F/TBG & CSG AT 315 , 2100', 4000', 6300' & 6820'. CIR 400 BFSW TOTAL. EOT @ 7812'. TOL 10,055'. REC 75 BO 4-26-83 & 4-27-83.

DFS: 010 04/28/83 WORKOVER

4-28-83 ACDZ. API #43-013-30378. PBTD @ 17,231'. PERFS/FMT 16,078'-17,146'/WASATCH. EOT @ 7812'. SITP=600PSI. BLED GAS FROM WELL & CIRCULATED 150 BBLS FSW. FIN HYDROTSTG IN HOLE W/2-7/8" P-105 HYDRIL. TOTAL 496 JTS. SET RTTS PKR @ 15,973'. PRESS TSTD ANNULUS TO 2500PSI, OK. RU CHOKE MANIFOLD & FLUSHED FLOWLINE. SION.

DFS: 011 04/29/83 WORKOVER

4-29-83 ACDZ. API #43-013-30378. PBTD @ 17,231'. PERFS/FMT 16,078'-17,146'/WASATCH. PKR @ 15,970'. SN @ 15,940'. EOT @ 15,600'. SITP=625 PSI. MIRU HOWCO TO ACDZ WASATCH 16,074'-17,146' W/20,000 GALS GELLED 15% HCL ACID W/7/10% CORR INHIB (HAI-75), 25#/1000 GALS IRON SEQ (FE-2 CITRIC), 5/10% FINES SUSP. AGNT (HC-2), 40#/1000 GALS HEC (WG-14), 2/10% NON-EMUL (TRI-2), FLUSH CONT 2% KCL W/1.5 GAL/1000 FRIC RED (WG-14) & 2/10% TRI-2 NON-EMUL. PMPD ACID TO PERFS. PRESS TSTD LINES TO 9000PSI. OPENED BYPASS ON HOWCO RTTS II & SPTD 90 BBLS OF ACID TO 15,544'. PKR @ 15,970'. SHUT BYPASS W/25,000# COMP & PRESS ANN TO 2500PSI. POP-OFF @ 2800PSI. PMPD 210 GALS. SD & REPL LEAKING XO. RESUMED PMPG. HOWCO BLENDER MALFUNCTIONED. WO NEW BLENDER. RESUMED PMPG. PMPD IN 7 STGS OF 2000 GALS W/63, 1.1 SG 7/8" RCN BALL SEALERS EVENLY DISP THRU OUT FINAL 500 GALS. PMPD 2116 GALS ACID & FLUSHED TO BMT PERF W/4662 GALS OF FLUSH. IP=8300PSI AT 6.7 BPM W/N2. BUILT TO 9050PSI AT 6.0 BPM. GOOD TO FAIR DIVERSION WHEN 1ST BALLS HIT PERFS. FAIR DIV THRU OUT. MP=9050PSI AT 6.0 BPM. AVG=8900PSI AT 4 BPM. ISTP=8300PSI, 5 MINS 7400PSI, 10 MINS 7000PSI, 15 MINS 6600PSI. 587 BBLS LOAD & ACID TO REC. FLWD WELL BK. REC 3 BO & 300 BLW IN 14 HRS.

DFS: 013 05/01/83 WORKOVER

4-30-83 ACDZ. API #43-013-30378. PBTD @ 17,231'. PERFS/FMT 16,078'-17,146'/WASATCH. FLWD 24 HRS. FTP=20PSI ON 64/64" CHK. PROD 250 BW, 20 BO & 50 BLWTR.
5-01-83 FLWD 24 HRS. FTP=50PSI. PROD 90 BO & 170 BW (LOAD REC). FLW LINE PLUGGED. TURNED BK TO FLAT TNK. PKR @ 15,970'. SN @ 15,940'. EOT @ 15,600'.

DFS: 014 05/02/83 WORKOVER

5-02-83 ACDZ. API #43-013-30378. PBTD @ 17,351'. PERFS/FMT 16,078'-17,146'/WASATCH. FLWD 4 HRS. MADE 5 BO. RU TO KILL WELL. REL HOWCO 5" PKR. CIR WELL 1 HR. POH W/224 STDS 2-7/8" TBG & PKR. SION.

DFS: 015 05/03/83 WORKOVER

5-03-83 ACDZ. API #43-013-30378. PBTD @ 17,231'. PERFS/FMT 16,078'-17,146'/WASATCH. KILLED WELL. POH W/KILL STRING. PU BKR "R-3" PKR FOR 5" 18# CSG. BROACHED & CIR IN HOLE W/286 STDS, 2-7/8" TBG. SION.

DFS: 016 05/04/83 WORKOVER

5-04-83 ACDZ. API #43-013-30378. PBTD @ 17,231'. PERFS/FMT 16,078'-17,146'/WASATCH. KILLED WELL. ATT TO SET BKR "R-3" PKR FOR 5", 18# CSG @ 15,400'. PKR WOULD NOT SET. POH W/460 JTS 2-7/8" TBG, BHA, 1 JT 2-7/8" TBG & "R-3" PKR. LD PKR. PU 1 JT 2-7/8" TBG, NEW "R-3" PKR FOR 5", 18# CSG. RIH W/1 JT 2-7/8" TBG, CSG FREE BHA & 90 JTS 2-7/8" TBG. BROACHED EVERY 20 STDS. SION.

DFS: 017 05/05/83 WORKOVER

5-05-83 ACDZ. API #43-013-30378. PBTD @ 17,173'. PERFS/FMT 16,078'-17,146'/WASATCH. TOP TILL @ 17,173'. PKR @ 2700'. EOT @ 2730'. KILLED WELL. RIH W/280 JTS 2-7/8", P-105, HYDRIL TBG. PARTED BELOW COLLAR WHILE TIH. 11,110' OF TBG SHOULD HAVE FALLEN TO BTM OF HOLE. TOF SHOULD BE AT 6073'. LD 110 JTS 2-7/8" HYDRIL TBG IN DERRICK. PU & RIH W/OS GRAPPLE FOR 2-7/8" TBG, BS, JARS & 40 JTS OF NEW 2-7/8", P-105, "8" COND, HYDRIL TBG. NOTE: PBTD PREVIOUSLY REPORTED AT 17,231'. TOP OF FILL ACTUALLY AT 17,173 SION.

DFS: 020 05/08/83 WORKOVER

5-06-83 ACDZ. API #43-013-30378. PBTD @ 17,173'. PERFS/FMT 16,078'-17,146'/WASATCH. TOF @ 5234 PER TALLY. BLED DN WELL. PU 124 JTS P-105, HYDRIL TBG & CIR WAY IN HOLE. LATCHED ONTO FSH. PULLED 72,000# AND TBG PARTED. WT DRPD BK TO 60,000#. (40,000# OVER ST WT BEFORE LATCHED ONTO FSH)
5-07-84 TOF @ 5234'. CIR W/FSW TO KILL WELL. POH W/164 JTS 2-7/8" TBG. LD OS GRAPPLE, BS & JARS. POH & LD 69 JTS OF FSH. 301 JTS 2-7/8" TBG, BHA, 1 JT 2-7/8" TBG, "R-3" PKR, 1 JT 2-7/8" TP LEFT TO FSH. TURNED WELL TO BATTERY OVERNIGHT. 20 BO REC WHILE CIR WAY OUT OF HOLE.
5-08-83 SDFS.

DFS: 021 05/09/83 WORKOVER

5-09-83 ACDZ. API #43-013-30378. PBTD @ 17,173'. PERFS/FMT 16,078'-17,146'/WASATCH. EOT @ 9632'. BLED DN & CIR WELL TO KILL WELL. 30 BO REC POH W/ENTIRE FISH. LD ALL 301 JTS OF 2-7/8", HYDRIL TBG, BHA, 1 JT 8RD TBG "R-3" PKR FOR 5", 18# CSG AND 1 JT TP. SD RIG UNTIL PROD TBG CAN BE INSP.

DFS: 022 05/10/83 WORKOVER

5-10-83 ACDZ. API #43-013-30378. PBTD @ 17,173'. PERFS/FMT 16,078'-17,146'/WASATCH. EOT @ 2480'. RIG SD TO INSPECT TBG. TURNED WELL TO TB. PROD 75 BO & 10 BW IN 20 HRS. FTP=30PSI ON FULL 2" CHK.

DFS: 023 05/11/83 WORKOVER

5-11-83 ACDZ. API #43-013-30378. PBTD @ 17,173'. PERFS/FMT 16,078'-17,146'/WASATCH. EOT @ 2480'. PROD 60 BO & 100 BW IN 24 HRS. FTP=30PSI ON FULL CHK (2"). RIG SD FOR TBG INSP.

DFS: 024 05/12/83 WORKOVER

5-12-83 ACDZ. API #43-013-30378. PBTD @ 17,173'. PERFS/FMT 16,078'-17,146'/WASATCH. EOT @ 2480'. CIR FSW TO KILL WELL. RIH W/124 JTS FSHG ST. POH & LD FSH ST. PU 1 JT TP, R-3 PKR (7", 26# CSG), 1 JT 2-7/8", 8RD, ARMCO CSG FREE BHA & RIH W/84 JTS 2-7/8", P-105 HYDRIL TBG. TURNED WELL TO TNK BATTERY. FLWD 16 BO & 45 BW IN 12 HRS. FTP=30PSI, FULL CHK (2").

DFS: 027 05/15/83 WORKOVER

5-13-83 ACDZ. API #43-013-30378. PBTD @ 17,173'. PERFS/FMT 16,078'-17,146'/WASATCH. EOT @ 2688'. CIR FSW TO KILL WELL. F/RTH W/226 JTS OF 2-7/8", P-105, HYDRIL TBG. SET BKR "R-3" PKR AT 9867' W/20,000# COMPR. LANDED 2-7/8". RIH W/80 TJS 2-1/16" HEAT STRING. WELL BLEW IN. TURNED TO TNK BATTERY. PROD 20 BO & 86 BW IN 12 HRS AT 30PSI FTP ON FULL 2" CHK.
5-14-83 PKR @ 9867'. CIR GAS & OIL F/WELL W/350 BFSW. DRPD SV & PMPG TO SN. PRESS TSTD PKR TO 1500PSI. REC 86 BO & 0 BW. F/RIH W/2-1/16" HEAT STRING. ND BOP. NU WH. CIR 13 HRS W/TRIPLEX PMP. PROD 45 BO & 42 BW. TOTAL REC = 131 BO & 42 BW.
5-15-83 CIR 12 HRS. PMPD 12 HRS, 56 BO & 14 BW. PP=900PSI. SPM=70. PKR @ 9867'. SN @ 9837'. EOT @ 9897'.

DFS: 028 05/16/83 WORKOVER

5-16-83 ACDZ. API #43-013-30378. PBTD @ 17,173'. PERFS/FMT 16,078'-17,146'/WASATCH. PKR @ 9867'. SN @ 9837'. EOT @ 9897'. PMPD 99 BO & 147 BW IN 24 HRS.

DFS: 029 05/17/83 WORKOVER

5-17-83 ACDZ. API #43-013-30378. PBTD @ 17,173'. PERFS/FMT 16,078'-17,146'/WASATCH. PKR @ 9867'. SN @ 9837'. EOT @ 9897'. PMPD 90 BO & 120 BW IN 24 HRS. PP=1100, 70 SPM.

Ute 1-20-Z2



DFS: 030 05/18/83 WORKOVER

5-18-83 ACDZ. API #43-013-30378. PBTD @ 17,173'. PERFS/FMT 16,078'-17,146'/WASATCH. PKR @ 9867'. SN @ 9837'. EOT @ 9897'. PMPD 115 BO & 130 BW IN 24 HRS. PP=1100PSI, 70 SPM. DROP.

# Gulf Oil Exploration and Production Company

L. G. Rader
PRODUCTION MANAGER – CASPER AREA

July 2, 1985

P. O. Box 2619
Casper, WY 82602

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

RECEIVED
JUL 05 1985
DIVISION OF
GAS & MINING

Gentlemen:

Effective July 1, 1985, the corporate name of Gulf Oil Corporation was changed to Chevron U.S.A. Inc. This will be applicable to all operations, agreements, contracts, documents, and permits of Gulf Oil Corporation in the area of and/or under your jurisdiction.

The attached information is being furnished to facilitate the name change of appropriate records under your authority, and submitted as our understanding of the procedure required to accomplish the change.

Please advise this office or the office listed on the attachments should additional information be needed.

Sincerely,

L. G. Rader

KWR/mdb

Attachments

| Lease Name | Field | Section | Township | Range | County | State |
|---|---|---|---|---|---|---|
| Tomlinson/Federal 1-25A2 | Bluebell | 25 | 1S | 2W | Duchesne | UT |
| Uintah-Ouray/Tribal 1-1A3 | Bluebell | 1 | 1S | 3W | Duchesne | UT |
| Urruty 1-34A2 | Bluebell | 34 | 1S | 2W | Duchesne | UT |
| Utah S/F 1-24B1 | Bluebell | 24 | 2S | 1W | Uintah | UT |
| Utah State Lnd. Bd. 1-11B1 | Bluebell | 11 | 2S | 1W | Duchesne | UT |
| Ute County 1-20C4 | Altamont | 20 | 3S | 4W | Duchesne | UT |
| Ute Tribal 1-1C4 | Altamont | 1 | 3S | 4W | Duchesne | UT |
| Ute Tribal 1-13B3 | Bluebell | 13 | 2S | 3W | Duchesne | UT |
| Ute Tribal 1-15D4 | Undesignated | 15 | 4S | 4W | Duchesne | UT |
| Ute Tribal 1-20 | Altamont | 20 | 4S | 6W | Duchesne | UT |
| Ute Tribal 1-20Z3 | Bluebell | 20 | 1N | 2W | Duchesne | UT |
| Ute Tribal 1-21D3 | Bridgeland | 21 | 4S | 3W | Duchesne | UT |
| Ute Tribal 1-21Z2 | Bluebell | 21 | 1S | 2W | Duchesne | UT |
| Ute Tribal 1-27D3 | Bridgeland | 27 | 4S | 3W | Duchesne | UT |
| Ute Tribal 1-28 | Altamont | 28 | 4S | 6W | Duchesne | UT |
| Ute Tribal 1-28D3 | Bridgeland | 28 | 4S | 3W | Duchesne | UT |
| Ute Tribal 1-9D4 | Duchesne | 9 | 4S | 4W | Duchesne | UT |
| Ute Tribal 3-5E3 | Antelope Creek | 5 | 5S | 3W | Duchesne | UT |
| Ute Tribal 5-29E3 | Antelope Creek | 29 | 5S | 3W | Duchesne | UT |
| Ute 1-10A3 | Altamont | 10 | 1S | 3W | Duchesne | UT |
| Ute 1-13B3 | Bluebell | 13 | 2S | 3W | Duchesne | UT |
| Ute 1-2A3 | Bluebell | 2 | 1S | 3W | Duchesne | UT |
| Ute 1-2C5 | Altamont | 2 | 3S | 5W | Duchesne | UT |
| Ute 1-20Z2 | Bluebell | 20 | 1N | 2W | Duchesne | UT |
| Ute 1-22B1 | Altamont | 22 | 4S | 6W | Duchesne | UT |
| Ute 1-3A3 | Altamont | 3 | 1S | 3W | Duchesne | UT |
| Ute 1-4A3 | Altamont | 4 | 1S | 3W | Duchesne | UT |
| Ute 1-5C5 | Altamont | 5 | 3S | 5W | Duchesne | UT |
| Voda Ute 1-4C5 | Altamont | 4 | 3S | 5W | Duchesne | UT |
| Voda, Josephine 2-19-C5 | Altamont | 19 | 3S | 5W | Duchesne | UT |
| Voda,Josephine 1-19-C5 | Altamont | 19 | 3S | 5W | Duchesne | UT |
| Whiton Federal 1-19-3C | Gypsum Hills | 19 | 8S | 21E | Uintah | UT |
| Wonsits Unit #10 | Wonsits WV | 5 | 8S | 22E | Uintah | UT |
| Wonsits Unit #11 | Wonsits WV | 5 | 8S | 22E | Uintah | UT |
| Wonsits Unit #13 | Wonsits WV | 6 | 8S | 22E | Uintah | UT |
| Wonsits Unit #14 | Wonsits WV | 6 | 8S | 22E | Uintah | UT |
| Wonsits Unit #15 | Wonsits WV | 6 | 8S | 22E | Uintah | UT |
| Wonsits Unit #2 | Wonsits WV | 29 | 7S | 22E | Uintah | UT |

06/27/85
leases gulf operated/file2

**Proven Properties Inc.**
P.O. BOX 2049 • HOUSTON, TEXAS 77252-2049 • (713) 546-8780

KENNETH R. HUDDLESTON
President

RECEIVED
JAN 20 1986
DIVISION OF OIL
GAS & MINING

January 13, 1986

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

Re: Change of Operator Bluebell-Altamont Fields, Duchesne and Uintah Counties, Utah

Gentlemen:

Heretofore on December 26, 1985, Chevron U.S.A. Inc. advised you concerning properties sold by Chevron U.S.A. to Proven Properties, Inc. and informed you by telephone of change of operator with respect thereto.

This will confirm the advice given to you by Chevron U.S.A. Inc. Attached hereto is the same list of wells furnished to you by Chevron U.S.A. which is marked Exhibit "A" and by this reference made a part hereof. Proven Properties, Inc. is now the operator of the wells described in the attached schedule, however, Pennzoil Company will be operating said properties as agent for Proven Properties, Inc.

We will promptly report to you in writing any change of address and any termination of our operator's authority including any designation of a new operator. However, the designation of Proven Properties, Inc. as operator shall remain in full force and effect until and unless a new designation of operator is filed in accordance with the Utah statutes and the rules and regulations and rules of practice and procedure of the Division of Oil, Gas and Mining of the State of Utah.

If there are any additional reports or any additional information which you would wish to have, kindly call Kevin Cunningham at 713-546-8768.

Yours very truly,

PROVEN PROPERTIES, INC.

By Kenneth R. Huddleston
Kenneth R. Huddleston, President

THE BOND IS UNDER THE PENNZOIL NAME, AND THEREFORE PENNZOIL IS SHOWN AS OPERATOR ON UDOGM RECORDS.
6-25-86

Chevron U.S.A. Wells Sold to Proven Properties Inc.,
P.O. Box 2049, Houston, Texas 77252-2049, Effective
December 1, 1985

| Entity No. | Well Name |
|---|---|
| 05255 | SP-H-U Tribal 2-24Z3 |
| 05256 | SP-H-U Tribal 4-36Z3 |
| 05270 | Owen Anderson 1-28A2 |
| 05275 | Black Jack Ute 1-14-2D |
| 05280 | Blue Bench Ute 1 |
| 05285 | Ute Tribal 1-6B2 |
| 05295 | Campbell Ute St. 1-7B1 |
| 05300 | Campbell Ute 1-12B2 |
| 05305 | Cheney 1-33A2 |
| 05306 | Cheney #2-33-A2 |
| 05320 | Duchesne County Snider 1-9C4 |
| 05325 | Duch Co 1-17C4 |
| 05330 | Duch Co Tribal U 1 |
| 05335 | Evans Ute 1-17B3 |
| 05336 | Evans Ute #2-17-B3 |
| 05340 | Fortune Ute Fed1-11C5 |
| 05345 | Freston St 1-8B1 |
| 05350 | Geritz Mur 1-6C4 |
| 05360 | Hamblin 1-26A2 |
| 05361 | Hamblin 2-26-A2 |
| 05370 | J Robertsn Ute 1-1B1 |

| Entity No. | Well Name |
|---|---|
| 05500 | Smith Broadhead 1-9C5 |
| 05505 | Smith David Ute 1-6C5 |
| 05510 | Smith Joseph 1-17C5 |
| 05515 | Smith Ute 1-18C5 |
| 05520 | St Lnd Brd Ute 1-35A1 |
| 05525 | Taylor Maurel 1 |
| 05530 | Todd USA St 1-2B1 |
| 05535 | Tomlinson Fed 1 |
| 05540 | Unta Ouray Trbl 1-1A3 |
| 05545 | Urrutz 1-34A2 |
| 05550 | Ut St Fed 1-24B1 |
| 05555 | Ut St L/B 1-11B1 |
| 05560 | Ute 1-2A3 |
| 05565 | Ute 1-2C5 |
| 05575 | Ute 1-4A3 |
| 05580 | Ute 1-5C5 |
| 05585 | Ute 1-10A3 |
| 05590 IN Jw 20 | **Ute 1-20Z2** |
| 05605 | Ute Tribal 1-13B3 |
| 05610 | Ute Tribal 1-21Z2 |
| 05620 | Ute County 1-20C4 |
| 05645 | Voda Jsphine 1-19C5 |
| 05650 | Voda Jsphine 2-19C5 |
| 05655 | Voda Ute 1-4C5 |
| 05665 | Woodward Fed 1-21A2 |

| Entity No. | Well Name |
|---|---|
| 05375 | Rachel Jensen 1-16C5 |
| 05385 | John 1-3B2 |
| 05387 | John 2-3-B2 |
| 05390 | Verl Johnson 1 |
| 05400 | Lamicq 1-20A2 |
| 05405 | J Lamicq St. 1-6B-1 |
| 05410 | L Rbrtsn St 1-1B2 |
| 05412 | Lamicq-Robertson State #2-1-B2 |
| 05415 | Lamicq Ute 1-5B2 |
| 05425 | McElprang 1-31A1 |
| 05430 | Marguerite Ute 1-8B2 |
| 05435 | May Ute Fed 1-13B1 |
| 05440 | Moon Tribal 1-30C4 |
| 05450 | Mortensen 1-32A2 |
| 05452 | Mortensen 2-32-A2 |
| 05455 | Phillips Ute 1-3C5 |
| 05460 | Reese Estate 1-10B2 |
| 05465 | Robertson 1-29A2 |
| 05470 | Robertson Ute 1-2-B2 |
| 05472 | Robertson Ute 2-2-B2 |
| 05475 | Rbrtsn Ute St 1-12B1 |
| 05480 | Saleratus W/U 1-7C5 |
| 05485 | Shrine Hsptl 1-10C5 |
| 05490 | Smith Albert 1-8C5 |
| 05495 | Smith Albert 2-8C5 |

| Entity No. | Well Name |
|---|---|
| 05666 | Dillman 2-28A2 |
| 05675 | C R Ames 1-23A4 |
| 05695 | St U 1-7B1E |
| 05700 | Ute Tribal U 6-7B3 |
| 05705 | Ute Tribal 1-6B3 |
| 05710 | Lyn Timothy U 1-10B1 |
| 05715 | Ute Tribal 9-4B1 |
| 05720 | E Bennion U 1-25A4 |
| 05725 | B Hartman U 1-31A3 |
| 05730 | Ute Tribal 7-24A3 |
| 05735 | Ute Tribal U 2-12A3 |
| 05740 | L Boren U 1-24A2 |
| 05745 | Lamicq-Urty U 3-17A2 |
| 05750 | L Boren U-6-16A2 |
| 05755 | L Boren U 3-15A2 |
| 05760 | Virgil B Mecham U 1 |
| 05765 | St Unit 2-35A2 |
| 05770 | Harmston U 1-32A1 |
| 05775 | WH Blanchard 2-3A2 |
| 05780 | Walker V. Brown #1 |
| 05785 | Ute Allotted U 1-36Z2 |
| 05790 | T Horrocks 1-6A1 |
| 05795 | Joseph Yack U 1-7A1 |
| 05800 | Curtis Bastian 1-7A1 |
| 05805 | Chsl-Fly-Dia 1-18A1 |

| Entity No. | Well Name |
|---|---|
| 05810 | State 3-18A1 |
| 05815 | R G Dye U-1-29A1 |
| 05820 | Summerell E U 1-30A1 |
| 05825 | L L Pack 1-33A1 |
| 05835 | Mobilute Trbl 11-6A2 |
| 05836 | Ute Tribal #2-7A2 |
| 05840 | Doug Brown 1-4A2 |
| 05845 | Lamicq-Urty U 4-5A2 |
| 05850 | Mobil-Ute Trl 1-7A2 |
| 05855 | Lamicq-Urty 2-A2 |
| 05860 | Ut St U 1-10A2 |
| 05865 | Sprgfld M/B/U 1-10A2 |
| 05870 | L Boren U 2-11A2 |
| 05875 | Norman Knd/ U 1-12A2 |
| 05876 | Clyde Murray 1 (2-2C) |
| 05877 | Blanchard Fee 1-3A2 |
| 05878 | Utah State 1 |
| 05880 | Olsen U 1-12A2 |
| 05885 | Fly/Dia 1 Boren 1 (2-14C) |
| 05890 | Ute Tribal 3-18A2 |
| 05895 | Ute Tribal 4-19A2 |
| 05900 | L Boren U 5-22A2 |
| 05905 | L Boren U 4-23A2 |
| 05910 | Ute Tribal 5-30A2 |
| 05915 | Ute Allotted 2-18A3 |

| Entity No. | Well Name |
|---|---|
| 05920 | P. Bckstd U 1-30A3 |
| 05925 | Ute Tribal 10-13A4 |
| 05930 | Karl Shisler U 1-3B1 |
| 05935 | C. B. Hatch 1-5B1 |
| 05940 | Norling St. U 1-9B1 |
| 05945 | H.G. Coltharp 1-15B1 |
| 05950 | George Murray 1-16B1 |
| 05960 | E.H. Buzz U 1-11B2 |
| 05965 | D.L. Galloway 1-14B2 |
| 05970 | State Pickup 1-6B1E |
| 05975 | Mobil-Lami. Ur 1-8A2 |
| 09895 | Rachel Jensen 2-16C5 |

Form OGC-1b

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

SUBMIT IN TRIPLICATE (Other instructions on reverse side)

080412

# 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 [X] GAS WELL [ ] OTHER

2. NAME OF OPERATOR: Pennzoil Exploration and Production Company

3. ADDRESS OF OPERATOR: P. O. Drawer 1139, Denver, CO 80201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 2432' FEL and 1962' FSL (NWSE)

5. LEASE DESIGNATION AND SERIAL NO.:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute Tribal

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Ute

9. WELL NO.: 1-20Z2

10. FIELD AND POOL, OR WILDCAT: Bluebell

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 20, T1N, R2W

14. PERMIT NO.: 43-013-30378

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 6376' (GL)

12. COUNTY OR PARISH: Duchesne

13. STATE: Utah

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

| NOTICE OF INTENTION TO: | | | | SUBSEQUENT REPORT OF: | | | |
|---|---|---|---|---|---|---|---|
| TEST WATER SHUT-OFF | [ ] | PULL OR ALTER CASING | [ ] | WATER SHUT-OFF | [ ] | REPAIRING WELL | [ ] |
| FRACTURE TREAT | [ ] | MULTIPLE COMPLETE | [ ] | FRACTURE TREATMENT | [ ] | ALTERING CASING | [ ] |
| SHOOT OR ACIDIZE | [XX] | ABANDON* | [ ] | SHOOTING OR ACIDIZING | [ ] | ABANDONMENT* | [ ] |
| REPAIR WELL | [ ] | CHANGE PLANS | [ ] | (Other) | | | [ ] |
| (Other) | | | [ ] | (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.)*

Intend to reperforate and acidize Wasatch interval from 16,078' to 17,135' with 30,000 gals gelled HCL acid.

RECEIVED
JUL 31 1986
DIVISION OF OIL GAS & MINING

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

SIGNED Pete Hagist TITLE Petroleum Engineer DATE 7-24-86

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:
Federal approval of this action is required before commencing operations.

ACCEPTED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 8-1-86
BY: John R. Baza

*See Instructions on Reverse Side

Form OGC-1b

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

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

121202

# 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 [XX] GAS WELL [ ] OTHER

2. NAME OF OPERATOR: Pennzoil Company

3. ADDRESS OF OPERATOR: P. O. Drawer 1139, Denver, CO 80201-1139

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 2432' FEL and 1962' FSL (NWSE)

5. LEASE DESIGNATION AND SERIAL NO.: 14-20-H62-1537

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute Tribal

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Ute

9. WELL NO.: 1-20Z2

10. FIELD AND POOL, OR WILDCAT: Bluebell

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 20, T1N, R2W

12. COUNTY OR PARISH: Duchesne

13. STATE: Utah

14. PERMIT NO.: 43 013 30378

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 6376' (GL)

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

| NOTICE OF INTENTION TO: | | | | SUBSEQUENT REPORT OF: | | | |
|---|---|---|---|---|---|---|---|
| TEST WATER SHUT-OFF | [ ] | PULL OR ALTER CASING | [ ] | WATER SHUT-OFF | [ ] | REPAIRING WELL | [ ] |
| FRACTURE TREAT | [ ] | MULTIPLE COMPLETE | [ ] | FRACTURE TREATMENT | [ ] | ALTERING CASING | [ ] |
| SHOOT OR ACIDIZE | [ ] | ABANDON* | [ ] | SHOOTING OR ACIDIZING | [XX] | ABANDONMENT* | [ ] |
| REPAIR WELL | [ ] | CHANGE PLANS | [ ] | (Other) | | | [ ] |
| (Other) | | | [ ] | (NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) | | | |

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

The subject well was reperforated from 16,078'-16,694' gross on 8-1-86 and acidized with 30,000 gallons of 7 1/2% and 15% gelled HCL acid. Please see attachments for further details.

RECEIVED
DEC 11 1986
DIVISION OF
OIL, GAS & MINING

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

SIGNED Peter W. Hagist RW TITLE Petroleum Engineer DATE 11-23-86

Peter W. Hagist

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Ute #1-20Z2
Duchesne County, Utah
Section 20 - T1N - R2W

7-28-86: MIRU pulling unit - ND wellhead - NU BOP - POH with 125 jts 2 1/16" N-80 10 rd tbg sidestring - Rig for 2 7/8" - Release Baker 'R-3' pkr and POH w/ 54 jts 2 7/8" P-105 hydril tbg - SIFN

7-29-86: POH w/ remaining 254 jts 2 7/8" 6.5# P-105 hydril tbg, ARMCO csg free BHA, 1 jt 2 7/8" 8rd tbg & Baker 'R-3' pkr - RIH w/ 4 1/8" bit and 5" csg scraper on 2 7/8" tbg to 7129' - SIFN

7-30-86: RIH w/ remaining 2 7/8" N-80 and P-105 tbg on bit and scraper Stopped to kill well - Tagged fill at 17,053' (3 perf intervals covered 25 ft of pay) - POH w/ 2 7/8" tbg, bit and scraper - SDFN

7-31-86: RU Gearhart to perf - Set test plug in tbg head - Press test BOP and lubricator to 5000 PSI - OK - RD lubricator - Attempt to release plug with no success - Jarred repeatedly with elevators - Remove tbg head and install temporary tbg head - Press plug out of tbg head - SIFN

8-1-86: ND temporary tbg head - NU original tbg head and BOP - RU Gearhart to perf Wasatch - NU lubricator and RIH with first run - Found heavy paraffin - RU hot oiler - Pump 15 bbls hot diesel - RD hot oiler - Made 6 perf runs with 3 1/8" HSC casing guns with 120 deg phasing and 1 SPF at the following zones:

| | | | |
|---|---|---|---|
| 16,597'-604' | 16,528'-532' | 16,330'-334' | 16,213'-216' |
| 16,579'-583' | 16,517'-522' | 16,318'-322' | 16,194'-198' |
| 16,563'-567' | 16,384'-388' | 16,266'-270' | |
| 16,554'-559' | 16,366'-372' | 16,246'-250' | |
| 16,546'-550' | 16,340'-345' | 16,219'-224' | |

Perf the following with 2 SPF:

| | |
|---|---|
| 16,410'-418' | 16,692'-694' |
| 16,470'-490' | 16,798'-816' |
| 16,624'-635' | |

Plotted perfs on Schlumberger DIL-GR dated 11/11/76 and correlated with OWP CBL-GR of 1/3/77 - All shots fired - No pressure encountered - SIFN

Ute #1-20Z2
Duchesne County, Utah
Section 20 - T1N - R2W

8-2-86: Complete perforating with final 2 runs with 3 1/8" HSC csg gun 120 deg phasing, 1 SPF -

16,184'-188' 16,128'-132'
16,172'-178' 16,112'-122'
16,164'-169' 16,078'-084'
16,144'-150'

All shots fired - No pressure on csg after perforating - Plotted perfs on Schlumberger DIL-GR 11/11/76 - Correlated with OWP CBL-GR 1/3/77 - RD Gearhart - LD 152 jts 2 7/8" N-80 Nulock tbg and left kill string in hole - SIFN

8-3-86: SI for Sunday

8-4-86: POH w/ kill string - Hydrotest in hole above slipt to 9000 PSI w/ 5" Mtn States HD pkr, 2 7/8" x 2.25" ID SN, 2 7/8" 8rd pin x 2 7/8" hydril box, XO, 70 jts 2 7/8" 6.5# P105 hydril tbg - Encountered paraffin plugged tbg - RIH w/ 268 jts tbg and prepared to hot oil in AM - SIFN

8-5-86: RU hot oiler - Circ down tbg with 300 bbls hot water - RD hot oiler - POH w/ 272 jts 2 7/8" tbg - Continue hydrotest in hole above slips to 9000 PSI - Set Mtn States 'HD' pkr at 12,006' in 22,000# compression - Attempt to pressure test annulus - Load annulus with 30 BW - Pumped 80 BW @ 5 BPM and 1000 PSI - Rel pkr - PU 1 jt tbg - Circ well - Set pkr at 11,974' - Pumped 20 BW @ 5 BPM and 1000 PSI w/ no circ - SIFN

8-6-86: RU NL McCullough and WIH w/ freepoint tools - Found 1.9" tbg 30-40% free at 10,570' (at pump cavity) - WIH w/ chemical cutter and cut tbg 8' above pump cavity - Pulled 40,000# and tbg started to move - Pulled 30 jts with 10,000# drag - Pulled next 21 jts with little or no drag - SWIFN

8-7-86: RIH w/ 40 jts 2 7/8" tbg and tag sand 10' above RBP - POH w/ 2 7/8" tbg and 5" pkr - RIH w/ 7" Mtn States HD pkr, SN & tbg - Set pkr at 9960' - Test liner lap - OK - POH and set pkr at 4985' - Test down tbg - OK - Open surface pipe connection and circ down annulus and up surface csg - SIFN

8-8-86: Reset pkr repeatedly and located casing leak between 4544' and 4609' - POH w/ tbg and pkr - RU Dowell - NU to 7" csg - Pmpd 20 bbl fresh wtr pad - Pumped 800 sks "Hi-Lift" cem, 3.75 yield, 10.9 ppg and followed with 100 sks class "G" cmt w/ 2% CaCl at 1.15 yield, 15.8 ppg - Displace with 164 bbls fresh wtr - SI w/ 1250 PSI - Circ to surface - SIFN

8-9-86: SIF Weekend

8-10-86: SIF Weekend

Ute #1-20Z2
Duchesne County, Utah
Section 20 - T1N - R2W

8-11-86: Bled off slight pressure - ND cem head - NU BOP - RIH w/ 6 1/8" bit, 7" csg scraper & 5-4 3/4" DC's on 2 7/8" tbg - Tag soft cmt at 4285' - Drill through soft and spotty cmt to 4600' and fell through - Rev circ clean - Pressure test csg to 1500 PSI - Bled to 1300 PSI in 2 min - Bled to 1200 PSI after 5 min - RD power swivel - POH w/ 10 jts tbg - SIFN

8-12-86: POH w/ 2 7/8" tbg, drill collars, bit & scraper - RIH w/ Mtn States 7" HD pkr to retest for possible high pressure csg leaks - Confirmed only csg leak 4544'-4609' - Estab inject rate 2 1/2 BPM at 1600 PSI - POH w/ tbg and pkr - RIH w/ 71 jts 2 7/8" Nuloc tbg - Hanging open ended at 4634' - SIFN

8-13-86: EOT at 4634'. RU Dowell to squeeze casing leak 4544'-4609'. Establish injection rate 4 BPM @ 1750 psi. Mix and spot 100 sx Class "G" neat cement plug from 4099'-4634'. (15.8 ppg, 1.15 ft/sx, 3 1/2 hrs working time). POOH with 20 jts 2 7/8" tubing. EOT at 4015'. Bradenhead hesitate squeeze to 1800 psi final pressure. Calc top of cement 4500'. Pump 75 sx behind csg. Left 25 sx in casing. Rev. circ clean under 300 psi back pressure. SIFN with 500 psi on casing.

8-14-86: POH w/ 4015' 2 7/8" tbg - RIH w/ 6 1/8: bit, 7" csg scraper & 5-4 3/4" DC on 2 7/8" P-105 hydril tbg - Tagged cmt at 4383' Drill soft cmt 4383'-4580' - Drilled med-hard cmt 4580'-4635' and fell through - Press test csg to 1500 PSI for 10 min - Held OK - RIH to TOL at 10,054' - Rotated on TOL to check for wiper plug - PU 1 jt - SIFN

8-15-86: POH w/ tbg, DC's, bit and scraper - RIH w/ retrieving head for RBP 10,492'-10,504' - RBP would not take weight - Chased to 10,638' - Caught RBP - POH w/ 28 jnts 2 7/8" tbg - EOT at 9746' - SIFN

8-16-86: POH w/ remaining 307 jts 2 7/8" tbg and RBP - Hydrotest in hole to 9000 PSI above slips with 5" - Mtn States HD pkr, SN and 160 jnts 2 7/8" tbg - SIFN

8-17-86: SI for Sunday

8-18-86: Continue hydrotesting in hole to 9000 PSI above slips with 2 7/8" tbg - Had trouble with pressure under tools and in csg Stopped to kill well three times - Set Mtn States 5" HD pkr at 11,990' - Pressure test annulus to 1000 PSI for 10 min - OK - ND BOP - NU wellhead - SIFN - Prepare to acidize - Haul in and heat workover fluid

Ute #1-20Z2
Duchesne County, Utah
Section 20 - T1N - R2W

8-19-86: Packer at 11,990' - RU Halliburton to acidize Wasatch formation - Install tree saver - Set and test annulus line pop-off at 1580 PSI - Press and hold 1000 PSI on annulus - Test surface lines to 10,000 PSI - OK - Pumped the following stages:

1) 7500 gal 15% gelled HCl w/ 100 ball sealers
2) 7500 gal 7 1/2% gelled HCl w/ 200 ball sealers
3) 7500 gal 15% gelled HCl w/ 200 ball sealers
4) 7500 gal 7 1/2% gelled HCl w/ 200 ball sealers

Caught press immediately - Started balls and dropped evenly after 5 bbl acid gone - Aver rate 8.2 BPM at 9300 PSI - Max rate 8.8 BPM at 9500 PSI - Very little ball action - Flushed with 150 bbl 2% KCl wtr with friction reduced ISIP 7100 PSI - 5 min 6370 PSI - 10 min 5960 PSI - 15 min 5710 PSI - RD Halliburton - Open well to pit - Flowed back approx 440 bbl acid wtr and oil in 9 hrs - Turned well to tank battery 11:30 pm - Flwd 83 BO and 23 BW in 7 hrs through 2" line at 60 PSI FTP - 201 bbl load wtr to recover

8-20-86: Continue flowing well to tank battery 6:30 am until 12:00 noon until well died - Flowed 34 BO & 70 BW through 1 1/2" line at 50-70 PSI FTP - Rigged to swab - Lost swab tools in tbg on 4th run - SD 2 hrs - Fished tools - Continued swabbing - Made 11 swab runs from fluctuating fluid level 500'-2000' - Swbd 42 BO and 49 BW in 5 hrs - Swabbed and flowed total 76 BO & 112 BW in 10 1/2 hrs - 89 BLWTR - SIFN

8-21-86: Continue flowing and swabbing -
7am to 10am: Flowed 65 BO & 20 BW in 3 hrs through 1 1/2" opening at 40-100 PSI FTP -
10am to 5:15pm Swbd 83 BO & 28 BW in 7 hrs in 19 runs from fluctuating fluid level 4500' to 5500' -
Swbd and flowed total 148 BO & 48 BW in 10 hrs - 41 BLWTR - SIFN

Ute #1-20Z2
Duchesne County, Utah
Section 20 - T1N - R2W

8-22-86: Overnight SIP 1600 PSI - Flowed well to tank battery for 1 1/2 hrs - Recv 36 BO & 1 BW - Tbg press dropped to 75 PSI - Pumped 50 BW down tbg to kill well - ND wellhead and installed BOP - Tied onto 2 7/8" tbg and released 5" pkr - Tbg began to flow - Recv 5 BO & 50 BW before well died - Loaded tbg with 45 BW - POH w/ 2 7/8" tbg and pkr - PU 5" Baker model R-3 pkr and WIH w/ 1 jt 2 7/8", 6.5#, N-80 EUE tbg - Pump cavity - XO - 87 jts 2 7/8", 6.5#, N-80 Nu-lock - XO and 66 jts 2 7/8", 6.5#, P-105 CS Hydril tbg - SDFN

8-23-86: 13 hr SITP 1050 PSI - SICP 1000 PSI - Flowed well to tank battery for 1 1/2" hrs - Recv 65 BO & 0 BW - Circ hole w/ 200 BFW to kill well - WIH with 240 jts of 2 7/8", 6.5#, P-105 CS Hydril tbg - Drifted all tbg every 20 jts - Set Baker model R-3 pkr at 12,533' with 24,000# compression and landed tbg on hanger - While changing elevators and BOP rams to run heat string well began to flow - Shut blind rams and tied csg into flowline - Will allow well to flow to tank battery for weekend

8-24-86: SDF Sunday

8-25-86: Well flowed 166 BO & 0 BW in 39 hrs - Pumped 30 BFW down csg to kill well - RIH w/ 124 jts 2 1/16", 3.25# N-80 10rd heat string - Pumped 50 BFW down csg to kill well - Landed heat string - ND BOP & installed wellhead - Removed back pressure valve in 2 7/8" tbg - Flowed well to tank battery - Made 81 BO & 0 BW - Dropped standing valve - Pumped 100 BFW down 2 7/8" tbg but ran out of wtr before well pressured up - Left well open to tank battery for night - SDFN

8-26-86: Well made 31 BO & 0 BW overnight (13 hrs) - Circ hole w/ 170 BFW to clean hole - Pressure tested 5" model R pkr, standing valve and 7" csg to 1500 PSI for 15 min - Held OK - Tested pack-off to 5000 PSI - Held OK - RD pulling unit - Turned well over to production dept - FINAL REPORT

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

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 [X] GAS WELL [ ] OTHER

2. NAME OF OPERATOR: Pennzoil Exploration and Production Co.

3. ADDRESS OF OPERATOR: P.O. Box 2967, Houston, Texas 77252

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 2432' WEL & 1962' NSL (NW 1/4, SE 1/4)

5. LEASE DESIGNATION AND SERIAL NO.: POW

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE 070751

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: UTE

9. WELL NO.: 1-20Z2

10. FIELD AND POOL, OR WILDCAT: Bluebell-Altamont

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 20, T.1N., R.2W.

12. COUNTY OR PARISH: Duchesne 13. STATE: Utah

14. PERMIT NO.: 43-013-30378

15. ELEVATIONS (Show whether DF, RT, GR, etc.): GL 6376 feet

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

| NOTICE OF INTENTION TO: | | | | SUBSEQUENT REPORT OF: | | | |
|---|---|---|---|---|---|---|---|
| TEST WATER SHUT-OFF | | PULL OR ALTER CASING | | WATER SHUT-OFF | | REPAIRING WELL | |
| FRACTURE TREAT | | MULTIPLE COMPLETE | | FRACTURE TREATMENT | | ALTERING CASING | |
| SHOOT OR ACIDIZE | | ABANDON* | | SHOOTING OR ACIDIZING | X | ABANDONMENT* | |
| REPAIR WELL | | CHANGE PLANS | | (Other) REPERFORATING | | | X |
| (Other) | | | | (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.)*

WORK PERFORMED FROM 7-26-86 TO 8-26-86

1. POOH 2 7/8" TBG. RU GEARHART. PRESSURE TEST BOP & LUBRICATOR.
2. REPERFORATED WASATCH (16,078-17,146)(200'; 259 HOLES)
3. RESET PACKER, PRESSURE TESTED. FOUND CSG LAEK AT 4544'-4609'. RU DOWELL. SQUEEZED CSG LEAK WITH 100 SX, CLASS "G" NEAT CEMENT.
4. RU HALLIBURTON TO ACIDIZE. PUMPED 30,000 GAL OF HCL ALTERNATING FROM 15% TO 7 1/2% AT 8.2 BPM & 9300 PSI.
5. SWAB-TESTED WELL. STARTED PRODUCING THRU HYDRAULIC PUMP.

RECEIVED
JUN 29 1987
DIVISION OF
OIL, GAS & MINING

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

SIGNED Ralph G. Wall TITLE _____ DATE _____

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

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.

Ute #1-20Z2
Duchesne County, Utah
Section 20 - T1N - R2W

7-28-86: MIRU pulling unit - ND wellhead - NU BOP - POH with 125 jts 2 1/16" N-80 10 rd tbg sidestring - Rig for 2 7/8" - Release Baker 'R-3' pkr and POH w/ 54 jts 2 7/8" P-105 hydril tbg - SIFN

7-29-86: POH w/ remaining 254 jts 2 7/8" 6.5# P-105 hydril tbg, ARMCO csg free BHA, 1 jt 2 7/8" 8rd tbg & Baker 'R-3' pkr - RIH w/ 4 1/8" bit and 5" csg scraper on 2 7/8" tbg to 7129' - SIFN

7-30-86: RIH w/ remaining 2 7/8" N-80 and P-105 tbg on bit and scraper Stopped to kill well - Tagged fill at 17,053' (3 perf intervals covered 25 ft of pay) - POH w/ 2 7/8" tbg, bit and scraper - SDFN

7-31-86: RU Gearhart to perf - Set test plug in tbg head - Press test BOP and lubricator to 5000 PSI - OK - RD lubricator - Attempt to release plug with no success - Jarred repeatedly with elevators - Remove tbg head and install temporary tbg head - Press plug out of tbg head - SIFN

8-1-86: ND temporary tbg head - NU original tbg head and BOP - RU Gearhart to perf Wasatch - NU lubricator and RIH with first run - Found heavy paraffin - RU hot oiler - Pump 15 bbls hot diesel - RD hot oiler - Made 6 perf runs with 3 1/8" HSC casing guns with 120 deg phasing and 1 SPF at the following zones:

| | | | |
|---|---|---|---|
| 16,597'-604' | 16,528'-532' | 16,330'-334' | 16,213'-216' |
| 16,579'-583' | 16,517'-522' | 16,318'-322' | 16,194'-198' |
| 16,563'-567' | 16,384'-388' | 16,266'-270' | |
| 16,554'-559' | 16,366'-372' | 16,246'-250' | |
| 16,546'-550' | 16,340'-345' | 16,219'-224' | |

Perf the following with 2 SPF:

| | |
|---|---|
| 16,410'-418' | 16,692'-694' |
| 16,470'-490' | 16,798'-816' |
| 16,624'-635' | |

Plotted perfs on Schlumberger DIL-GR dated 11/11/76 and correlated with OWP CBL-GR of 1/3/77 - All shots fired - No pressure encountered - SIFN

Ute #1-20Z2
Duchesne County, Utah
Section 20 - T1N - R2W

8-2-86: Complete perforating with final 2 runs with 3 1/8" HSC csg gun 120 deg phasing, 1 SPF -

16,184'-188' 16,128'-132'
16,172'-178' 16,112'-122'
16,164'-169' 16,078'-084'
16,144'-150'

All shots fired - No pressure on csg after perforating - Plotted perfs on Schlumberger DIL-GR 11/11/76 - Correlated with OWP CBL-GR 1/3/77 - RD Gearhart - LD 152 jts 2 7/8" N-80 Nulock tbg and left kill string in hole - SIFN

8-3-86: SI for Sunday

8-4-86: POH w/ kill string - Hydrotest in hole above slipt to 9000 PSI w/ 5" Mtn States HD pkr, 2 7/8" x 2.25" ID SN, 2 7/8" 8rd pin x 2 7/8" hydril box, XO, 70 jts 2 7/8" 6.5# P105 hydril tbg - Encountered paraffin plugged tbg - RIH w/ 268 jts tbg and prepared to hot oil in AM - SIFN

8-5-86: RU hot oiler - Circ down tbg with 300 bbls hot water - RD hot oiler - POH w/ 272 jts 2 7/8" tbg - Continue hydrotest in hole above slips to 9000 PSI - Set Mtn States 'HD' pkr at 12,006' in 22,000# compression - Attempt to pressure test annulus - Load annulus with 30 BW - Pumped 80 BW @ 5 BPM and 1000 PSI - Rel pkr - PU 1 jt tbg - Circ well - Set pkr at 11,974' - Pumped 20 BW @ 5 BPM and 1000 PSI w/ no circ - SIFN

8-6-86: RU NL McCullough and WIH w/ freepoint tools - Found 1.9" tbg 30-40% free at 10,570' (at pump cavity) - WIH w/ chemical cutter and cut tbg 8' above pump cavity - Pulled 40,000# and tbg started to move - Pulled 30 jts with 10,000# drag - Pulled next 21 jts with little or no drag - SWIFN

8-7-86: RIH w/ 40 jts 2 7/8" tbg and tag sand 10' above RBP - POH w/ 2 7/8" tbg and 5" pkr - RIH w/ 7" Mtn States HD pkr, SN & tbg - Set pkr at 9960' - Test liner lap - OK - POH and set pkr at 4985' - Test down tbg - OK - Open surface pipe connection and circ down annulus and up surface csg - SIFN

8-8-86: Reset pkr repeatedly and located casing leak between 4544' and 4609' - POH w/ tbg and pkr - RU Dowell - NU to 7" csg - Pmpd 20 bbl fresh wtr pad - Pumped 800 sks "Hi-Lift" cem, 3.75 yield, 10.9 ppg and followed with 100 sks class "G" cmt w/ 2% CaCl at 1.15 yield, 15.8 ppg - Displace with 164 bbls fresh wtr - SI w/ 1250 PSI - Circ to surface - SIFN

8-9-86: SIF Weekend

8-10-86: SIF Weekend

Ute #1-20Z2
Duchesne County, Utah
Section 20 - T1N - R2W

8-11-86: Bled off slight pressure - ND cem head - NU BOP - RIH w/ 6 1/8" bit, 7" csg scraper & 5-4 3/4" DC's on 2 7/8" tbg - Tag soft cmt at 4285' - Drill through soft and spotty cmt to 4600' and fell through - Rev circ clean - Pressure test csg to 1500 PSI - Bled to 1300 PSI in 2 min - Bled to 1200 PSI after 5 min - RD power swivel - POH w/ 10 jts tbg - SIFN

8-12-86: POH w/ 2 7/8" tbg, drill collars, bit & scraper - RIH w/ Mtn States 7" HD pkr to retest for possible high pressure csg leaks - Confirmed only csg leak 4544'-4609' - Estab inject rate 2 1/2 BPM at 1600 PSI - POH w/ tbg and pkr - RIH w/ 71 jts 2 7/8" Nuloc tbg - Hanging open ended at 4634' - SIFN

8-13-86: EOT at 4634'. RU Dowell to squeeze casing leak 4544'-4609'. Establish injection rate 4 BPM @ 1750 psi. Mix and spot 100 sx Class "G" neat cement plug from 4099'-4634'. (15.8 ppg, 1.15 ft/sx, 3 1/2 hrs working time). POOH with 20 jts 2 7/8" tubing. EOT at 4015'. Bradenhead hesitate squeeze to 1800 psi final pressure. Calc top of cement 4500'. Pump 75 sx behind csg. Left 25 sx in casing. Rev. circ clean under 300 psi back pressure. SIFN with 500 psi on casing.

8-14-86: POH w/ 4015' 2 7/8" tbg - RIH w/ 6 1/8: bit, 7" csg scraper & 5-4 3/4" DC on 2 7/8" P-105 hydril tbg - Tagged cmt at 4383' Drill soft cmt 4383'-4580' - Drilled med-hard cmt 4580'-4635' and fell through - Press test csg to 1500 PSI for 10 min - Held OK - RIH to TOL at 10,054' - Rotated on TOL to check for wiper plug - PU 1 jt - SIFN

8-15-86: POH w/ tbg, DC's, bit and scraper - RIH w/ retrieving head for RBP 10,492'-10,504' - RBP would not take weight - Chased to 10,638' - Caught RBP - POH w/ 28 jnts 2 7/8" tbg - EOT at 9746' - SIFN

8-16-86: POH w/ remaining 307 jts 2 7/8" tbg and RBP - Hydrotest in hole to 9000 PSI above slips with 5" - Mtn States HD pkr, SN and 160 jnts 2 7/8" tbg - SIFN

8-17-86: SI for Sunday

8-18-86: Continue hydrotesting in hole to 9000 PSI above slips with 2 7/8" tbg - Had trouble with pressure under tools and in csg Stopped to kill well three times - Set Mtn States 5" HD pkr at 11,990' - Pressure test annulus to 1000 PSI for 10 min - OK - ND BOP - NU wellhead - SIFN - Prepare to acidize - Haul in and heat workover fluid

Ute #1-20Z2
Duchesne County, Utah
Section 20 - T1N - R2W

8-19-86: Packer at 11,990' - RU Halliburton to acidize Wasatch formation - Install tree saver - Set and test annulus line pop-off at 1580 PSI - Press and hold 1000 PSI on annulus - Test surface lines to 10,000 PSI - OK - Pumped the following stages:

1) 7500 gal 15% gelled HCl w/ 100 ball sealers
2) 7500 gal 7 1/2% gelled HCl w/ 200 ball sealers
3) 7500 gal 15% gelled HCl w/ 200 ball sealers
4) 7500 gal 7 1/2% gelled HCl w/ 200 ball sealers

Caught press immediately - Started balls and dropped evenly after 5 bbl acid gone - Aver rate 8.2 BPM at 9300 PSI - Max rate 8.8 BPM at 9500 PSI - Very little ball action - Flushed with 150 bbl 2% KCl wtr with friction reduced ISIP 7100 PSI - 5 min 6370 PSI - 10 min 5960 PSI - 15 min 5710 PSI - RD Halliburton - Open well to pit - Flowed back approx 440 bbl acid wtr and oil in 9 hrs - Turned well to tank battery 11:30 pm - Flwd 83 BO and 23 BW in 7 hrs through 2" line at 60 PSI FTP - 201 bbl load wtr to recover

8-20-86: Continue flowing well to tank battery 6:30 am until 12:00 noon until well died - Flowed 34 BO & 70 BW through 1 1/2" line at 50-70 PSI FTP - Rigged to swab - Lost swab tools in tbg on 4th run - SD 2 hrs - Fished tools - Continued swabbing - Made 11 swab runs from fluctuating fluid level 500'-2000' - Swbd 42 BO and 49 BW in 5 hrs - Swabbed and flowed total 76 BO & 112 BW in 10 1/2 hrs - 89 BLWTR - SIFN

8-21-86: Continue flowing and swabbing -
7am to 10am: Flowed 65 BO & 20 BW in 3 hrs through 1 1/2" opening at 40-100 PSI FTP -
10am to 5:15pm Swbd 83 BO & 28 BW in 7 hrs in 19 runs from fluctuating fluid level 4500' to 5500' -
Swbd and flowed total 148 BO & 48 BW in 10 hrs - 41 BLWTR - SIFN

Ute #1-20Z2
Duchesne County, Utah
Section 20 - T1N - R2W

8-22-86: Overnight SIP 1600 PSI - Flowed well to tank battery for 1 1/2 hrs - Recv 36 BO & 1 BW - Tbg press dropped to 75 PSI - Pumped 50 BW down tbg to kill well - ND wellhead and installed BOP - Tied onto 2 7/8" tbg and released 5" pkr - Tbg began to flow - Recv 5 BO & 50 BW before well died - Loaded tbg with 45 BW - POH w/ 2 7/8" tbg and pkr - PU 5" Baker model R-3 pkr and WIH w/ 1 jt 2 7/8", 6.5#, N-80 EUE tbg - Pump cavity - XO - 87 jts 2 7/8", 6.5#, N-80 Nu-lock - XO and 66 jts 2 7/8", 6.5#, P-105 CS Hydril tbg - SDFN

8-23-86: 13 hr SITP 1050 PSI - SICP 1000 PSI - Flowed well to tank battery for 1 1/2" hrs - Recv 65 BO & 0 BW - Circ hole w/ 200 BFW to kill well - WIH with 240 jts of 2 7/8", 6.5#, P-105 CS Hydril tbg - Drifted all tbg every 20 jts - Set Baker model R-3 pkr at 12,533' with 24,000# compression and landed tbg on hanger - While changing elevators and BOP rams to run heat string well began to flow - Shut blind rams and tied csg into flowline - Will allow well to flow to tank battery for weekend

8-24-86: SDF Sunday

8-25-86: Well flowed 166 BO & 0 BW in 39 hrs - Pumped 30 BFW down csg to kill well - RIH w/ 124 jts 2 1/16", 3.25# N-80 10rd heat string - Pumped 50 BFW down csg to kill well - Landed heat string - ND BOP & installed wellhead - Removed back pressure valve in 2 7/8" tbg - Flowed well to tank battery - Made 81 BO & 0 BW - Dropped standing valve - Pumped 100 BFW down 2 7/8" tbg but ran out of wtr before well pressured up - Left well open to tank battery for night - SDFN

8-26-86: Well made 31 BO & 0 BW overnight (13 hrs) - Circ hole w/ 170 BFW to clean hole - Pressure tested 5" model R pkr, standing valve and 7" csg to 1500 PSI for 15 min - Held OK - Tested pack-off to 5000 PSI - Held OK - RD pulling unit - Turned well over to production dept - FINAL REPORT

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:

~~PENNZOIL EXPLOR & PROD CO~~ Pennzoil Company
P O BOX 2967, 25TH FL.
HOUSTON TX 77252 2967
ATTN: ~~WILBURN LUNA~~ Martin Wilson

Utah Account No. N2885

Report Period (Month/Year) 6 / 87

Amended Report ☐

| Well Name API Number | Entity | Location | Producing Zone | Days Oper | Production Volume Oil (BBL) | Gas (MSCF) | Water (BBL) |
|---|---|---|---|---|---|---|---|
| MAUREL TAYLOR FEE #1-36A2 4301330143 | 05525 | 01S 02W 36 | WSTC | 22 | 618 | 464 | 1753 |
| TODD USA ST 1-2B1 4304730167 | 05530 | 02S 01W 2 | GR-WS | 0 | 0 | 0 | 0 |
| TOMLINSON FED 1-25A2 4301330120 | 05535 | 01S 02W 25 | WSTC | 30 | 3809 | 7267 | 1011 |
| UNTA OURAY TRBL 1-1A3 4301330132 | 05540 | 01S 03W 1 | WSTC | 2 | 92 | 69 | 100 |
| URRUTY 1-34A2 4301330149 | 05545 | 01S 02W 34 | WSTC | 0 | 0 | 0 | 0 |
| UT ST FED 1-24B1 4304730220 | 05550 | 02S 01W 24 | GR-WS | 30 | 774 | 490 | 1262 |
| UT ST L/B 1-11B1 4304730171 | 05555 | 02S 01W 11 | GR-WS | 28 | 105 | 130 | 560 |
| UTE 1-2A3 4301330409 | 05560 | 01S 03W 2 | WSTC | 28 | 374 | 140 | 560 |
| UTE 1-2C5 4301330392 | 05565 | 03S 05W 2 | WSTC | 3 | 22 | 0 | 15 |
| UTE 1-4A3 4301330306 | 05575 | 01S 03W 4 | WSTC | 0 | 0 | 0 | 0 |
| UTE 1-5C5 4301330260 | 05580 | 03S 05W 5 | WSTC | 0 | 0 | 0 | 0 |
| UTE 1-10A3 4301330319 | 05585 | 01S 03W 10 | WSTC | 30 | 309 | 253 | 300 |
| UTE 1-20Z2 4301330378 | 05590 | 01N 02W 20 | WSTC | 29 | 1107 | 596 | 1720 |
| | | | TOTAL | | 7210 | 9409 | 7281 |

Comments (attach separate sheet if necessary)

I have reviewed this report and certify the information to be accurate and complete. Date Aug 1, 1987

Martin Wilson
Authorized signature

Telephone 713-546-8104

PLEASE COMPLETE FORMS IN BLACK INK

PENNZOIL COMPANY
PENNZOIL PLACE • P. O. BOX 2967 • HOUSTON, TEXAS 77252-2967 • (713) 546-4000

080603
RECEIVED
AUG 4 1987
DIVISION OF OIL
GAS & MINING

July 30, 1987

Utah Natural Resources
Division of Oil, Gas, & Mining
Attn: Tammy Searing
355 Triad Center, Suite #350
Salt Lake City, Utah 84180-1203

Ms. Searing:

This letter is to confirm our telephone conversation of July 30, 1987, regarding the name change from Pennzoil Exploration & Production Co. to Pennzoil Company.

Please change your records to reflect this name change effective August 1, 1987.

Your contact for drilling operations will continue to be Will Luna at our Neola office. The contact for the monthly production reports will be myself at our Houston address. All affected properties, except the drilling activity, are listed on the attached production report for June, 1987. The bonding is in the name of Pennzoil Company.

This is a change in name only, the company and personnel have remained the same. If you need additional information, please call me at (713)-546-8104.

Sincerely,

Martin Wilson

Martin Wilson
Onshore Accounting

mh/dcw

DOGM Form 5
May 5, 1987

RECEIVED
JUN 13 1988
DIVISION OF
OIL, GAS & MINING

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

# 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.)

5. LEASE DESIGNATION AND SERIAL NO.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

1. OIL WELL ☐ GAS WELL ☐ OTHER

7. UNIT AGREEMENT NAME

2. NAME OF OPERATOR: Pennzoil Company Utah Acct. # N0705

8. FARM OR LEASE NAME: See Attached List

3. ADDRESS OF OPERATOR: P.O. Box 2967 Houston, TX 77252-2967

9. WELL NO.

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

10. FIELD AND POOL, OR WILDCAT: Bluebell/Altamont

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

14. API NUMBER

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

12. COUNTY OR PARISH: Duchesne & Uintah

13. STATE: Utah

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

| NOTICE OF INTENTION TO: | | | | SUBSEQUENT REPORT OF: | | | |
|---|---|---|---|---|---|---|---|
| TEST WATER SHUT-OFF | ☐ | PULL OR ALTER CASING | ☐ | WATER SHUT-OFF | ☐ | REPAIRING WELL | ☐ |
| FRACTURE TREAT | ☐ | MULTIPLE COMPLETE | ☐ | FRACTURE TREATMENT | ☐ | ALTERING CASING | ☐ |
| SHOOT OR ACIDIZE | ☐ | ABANDON* | ☐ | SHOOTING OR ACIDIZING | ☐ | ABANDONMENT* | ☐ |
| REPAIR WELL | ☐ | CHANGE PLANS | ☐ | (Other) | | | ☐ |
| (Other) Operator Name Change | X | | | (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.) *

Change of operator name from Pennzoil Company to Pennzoil Exploration & Production Company, effective June 1, 1988.

See Attached List of wells

| OIL AND GAS | |
|---|---|
| DRN | RJF |
| JRB | GLH |
| DTS | SLS |
| 1-TAS | |
| | |
| | |
| ① - MICROFILM ✓ | |
| 3- ~~2~~ - FILE | |

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

SIGNED Jorge P. San Filippo TITLE Western Div. Production Mgr. DATE 6-9-88

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

SUNDRY NOTICE OF NAME CHANGE
EXHIBIT A

| ENTITY NUMBER | LEASE NAME | LEGAL DESC. | API # | REMARKS |
|---|---|---|---|---|
| 5470 | ROBERTSON UTE 1-2B2 | 2S 2W 2 | 4301330225 | WSTC/GRRV |
| 5472 | ROBERTSON UTE 2-2B2 | 2S 2W 2 | 4301330921 | |
| 5475 | ROBERTSON UTE ST 1-12B1 | 2S 1W 12 | 4304730164 | |
| 5480 | SALERATUS WASH 1-7C5 | 3S 5W 7 | 4301330098 | |
| 5485 | SHRINE HOSPITAL 1-10C5 | 3S 5W 10 | 4301330393 | WSTC |
| 5490 | ALBERT SMITH 1-8C5 | 3S 5W 8 | 4301330245 | |
| 5495 | ALBERT SMITH 2-8C5 | 3S 5W 8 | 4301330543 | |
| 5500 | SMITH BROADHEAD 1-9C5 | 3S 5W 9 | 4301330316 | |
| 5505 | DAVID SMITH UTE 1-6C5 | 3S 5W 6 | 4301330163 | |
| 5510 | JOSEPH SMITH 1-17C5 | 3S 5W 17 | 4301330188 | WSTC |
| 5515 | SMITH UTE 1-18C5 | 3S 5W 18 | 4301330142 | WSTC |
| 5520 | ST LANDBOARD 1-35A1 | 1S 1W 35 | 4304730182 | |
| 5525 | MAUREL TAYLOR 1-36A2 | 1S 2W 36 | 4301330143 | |
| 5530 | TODD USA ST 1-2B1 | 2S 1W 2 | 4304730167 | |
| 5535 | TOMLINSON 1-25A2 | 2S 2W 25 | 4301330120 | |
| 5540 | UINTAH OURAY 1-1A3 | 1S 3W 1 | 4301330132 | |
| 5545 | URRUTY 1-34A2 | 1S 2W 34 | 4301330149 | |
| 5550 | UTAH ST FEDERAL 1-24B1 | 2S 1W 24 | 4304730220 | |
| 5555 | UT ST LANDBOARD 1-11B1 | 2S 1W 11 | 4304730171 | |
| 5560 | UTE 1-2A3 | 1S 3W 2 | 4301330409 | |
| 5565 | UTE 1-2C5 | 3S 5W 2 | 4301330392 | |
| 5575 | UTE 1-4A3 | 1S 3W 4 | 4301330306 | |
| 5580 | UTE 1-5C5 | 3S 5W 5 | 4301330260 | |
| 5585 | UTE 1-10A3 | 1S 3W 10 | 4301330319 | |
| 5590 | UTE 1-20Z2 | 1N 2W 20 | 4301330378 | |
| 5605 | UTE TRIBAL 1-13B3 | 2S 3W 13 | 4301330251 | |
| 5610 | UTE 1-21Z2 | 1N 2W 21 | 4301330148 | |
| 5620 | UTE COUNTY 1-20C4 | 3S 4W 20 | 4301330170 | |
| 5645 | JOSEPHINE VODA 1-19C5 | 3S 5W 19 | 4301330382 | |
| 5650 | JOSEPHINE VODA 2-19C5 | 3S 5W 19 | 4301330553 | WSTC |
| 5655 | VODA UTE 1-4C5 | 3S 5W 4 | 4301330283 | |
| 5665 | WOODWARD FED 1-21A2 | 1S 2W 21 | 4301330130 | |
| 5666 | DILLMAN 2-28A2 | 1S 2W 28 | 4301330821 | |
| 5675 | CR AMES 1-23A4 | 1S 4W 23 | 4301330375 | |
| 5680 | FEDERAL 1-28 | 5S 19E 28 | 4304730175 | |
| 5685 | FEDERAL 1-27 | 5S 19E 27 | 4304730181 | WSTC |
| 5695 | STATE 1-7B1E | 2S 1E 7 | 4304730180 | |
| 5700 | UTE TRIBAL 6-7B3 | 2S 3W 7 | 4301330211 | |
| 5705 | UTE 1-6B3 | 2S 3W 6 | 4301330136 | |
| 5710 | L. TIMOTHY 1-10B1 | 2S 1W 10 | 4301330287 | WSTC |
| 5715 | UTE TRIBAL 9-4B1 | 2S 1W 4 | 4301330194 | WSTC |
| 5720 | BENNION 1-25A4 | 1S 4W 25 | 4301330060 | |
| 5725 | HARTMAN 1-31A3 | 1S 3W 31 | 4301330093 | |
| 5730 | UTE TRIBAL 7-24A3 | 1S 3W 24 | 4301330203 | |
| 5735 | UTE 2-12A3 | 1S 3W 12 | 4301330042 | GRRV |
| 5740 | L. BOREN 1-24A2 | 1S 2W 24 | 4301330084 | |
| 5745 | LAMICQ URRUTY 3-17A2 | 1S 2W 17 | 4301330099 | |
| 5750 | L. BOREN 6-16A2 | 1S 2W 16 | 4301330123 | |
| 5755 | L. BOREN 3-15A2 | 1S 2W 15 | 4301330086 | |
| 5760 | VIRGIL MECHAM 1-11A2 | 1S 2W 11 | 4301330009 | |
| 5765 | STATE 2-35A2 | 1S 2W 35 | 4301330156 | |
| 5770 | HARMSTON 1-32A1 | 1S 1W 32 | 4301330224 | WSTC |
| 5775 | BLANCHARD 2-3A2 | 1S 2W 3 | 4301330008 | |

Form 9

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

6. Lease Designation and Serial Number: 14-20-H62-1537

7. Indian Allottee or Tribe Name: UTE

8. Unit or Communitization Agreement:

## 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— for such proposals.

1. Type of Well: [X] Oil Well [ ] Gas Well [ ] Other (specify)

9. Well Name and Number: UTE 1-20Z2

2. Name of Operator: MEDALLION EXPLORATION

10. API Well Number: 4301330378

3. Address of Operator: 2091 E. 4800 S. #22 SLC, UTAH 84117

4. Telephone Number: 801-277-0801

11. Field and Pool, or Wildcat: BLUEBELL

5. Location of Well
Footage : NWSE, SEC. 20, T1N, R2W
QQ, Sec, T., R., M. :
County : DUCHESNE
State : UTAH

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

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

- [ ] Abandonment
- [ ] Casing Repair
- [ ] Change of Plans
- [ ] Conversion to Injection
- [ ] Fracture Treat
- [ ] Multiple Completion
- [ ] New Construction
- [ ] Pull or Alter Casing
- [ ] Recompletion
- [ ] Shoot or Acidize
- [ ] Vent or Flare
- [ ] Water Shut-Off
- [X] Other CHANGE OF OPERATORSHIP

Approximate Date Work Will Start _____

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

- [ ] Abandonment *
- [ ] Casing Repair
- [ ] Change of Plans
- [ ] Conversion to Injection
- [ ] Fracture Treat
- [ ] Other _____
- [ ] New Construction
- [ ] Pull or Alter Casing
- [ ] Shoot or Acidize
- [ ] Vent or Flare
- [ ] Water Shut-Off

Date of Work Completion _____

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

* Must be accompanied by a cement verification report.

13. 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 MARCH 1, 1993, MEDALLION EXPLORATION WILL ASSUME RESPONSIBILITY AS THE OPERATOR OF THE REFERENCED WELL WITH FULL COMPLIANCE WITH THE FEDERAL GOVERNMENT REGULATIONS. MEDALLION WILL ALSO ADHERE TO THE TERMS OF COMMUNITIZATION AGREEMENT UNDER ITS STATEWIDE CASH BOND.

RECEIVED
MAR 29 1993
DIVISION OF
OIL GAS & MINING

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

Name & Signature: A. MAJDI [signature] Title: OPERATIONS Date: 2/25/93

(State Use Only)

(8/90)

See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

## SUNDRY NOTICES AND REPORTS ON WELLS

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

*SUBMIT IN TRIPLICATE*

5. Lease Designation and Serial No.: 14 20 H62 1537
6. If Indian, Allottee or Tribe Name: Ute Tribal
7. If unit or CA, Agreement Designation:
8. Well Name and No.: UTE 1-20Z2
9. API Well No.: 43 013 30378
10. Field and Pool, or Exploratory Area: Bluebell-Wasatch
11. County or Parish, State: Duchesne, Utah

1. Type of Well: [X] Oil Well [ ] Gas well [ ] Other
2. Name of Operator: Pennzoil Exploration and Production Company
3. Address and Telephone No.: P.O. Box 290 Neola, Utah 84053 (801)353-4397
4. Location of Well (Footage, Sec., T., R., M., or Survey Description): NWSW SEC. 20, T1N, R2W

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

| TYPE OF SUBMISSION | TYPE OF ACTION | |
|---|---|---|
| [ ] Notice of Intent | [ ] Abandonment | [ ] Change of Plans |
| | [ ] Recompletion | [ ] New Construction |
| [X] Subsequent Report | [ ] Plugging Back | [ ] Non-Routine Fracturing |
| | [ ] Casing repair | [ ] Water Shut-off |
| [ ] Final Abandonment Notice | [ ] Altering Casing | [ ] Conversion to Injection |
| | [X] Other CHANGE OF OPERATORSHIP | [ ] 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)

PENNZOIL RELINQUISHED OPERATORSHIP OF THE SUBJECT WELL TO

MEDALLION EXPLORATION AS OF MARCH 1, 1993.

RECEIVED
APR 2 1993
DIVISION OF
OIL GAS & MINING

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

Signed [signature] Title Petroleum Engineer Date MAR. 29, 1993

(This space of 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 to make to any department of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES GOVERNMENT

# memorandum

DATE: March 18, 1996

REPLY TO ATTN OF: Superintendent, Uintah and Ouray Agency

SUBJECT: Change of Operator

TO: Bureau of Land Management, Vernal District Office
Attention: Sally Gardiner, Division of Minerals and Mining

RECEIVED
MAR 20 1996
DIV OF OIL, GAS & MINING

We have received copies of Sundry Notices and Reports on Wells (Form 3160-5), requiring BIA Action, informing this office of a change of operator for the following wells:

**OPERATOR - FROM:** **Pennzoil Company**
**TO:** **Medallion Exploration**

**TOWNSHIP 1 NORTH, RANGE 2 WEST, USB&M**

| Sec | Well Name/No. | Lease No. |
|---|---|---|
| 20 | 1-20Z2 | 14-20-H62-1537 |
| 21 | 1-21Z2 | 14-20-H62-1538 |

This office recommends a approval for the Changes of Operator for the wells listed above.

All operations will be covered under a $75,000 Cash Bond filed with this office for Medallion Exploration

If you have any questions, please contact this office at (801) 722-2406, Ext. 51/52/54.

Charlotte Cameron

cc: Jerry Kenczka, BLM/Vernal
Energy & Minerals, Ute Tribe
Ute Distribution Corporation, Roosevelt, UT
Lisha Cordova, State of Utah
Theresa Thompson, BLM/State Office

OPTIONAL FORM NO. 10
(REV. 1-80)
GSA FPMR (41 CFR) 101-11.6
5010-114
★U.S.GPO:1990-0-262-081/20165

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

Routing:
1. LEC 7-SJ ✓
2. DTS 8-FILE
3. VLD ✓
4. RJF ✓
5. LEC ✓
6. FILM ✓

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

☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 3-18-96 (BIA APRV))

TO (new operator) MEDALLION EXPLORATION
(address) 6975 UNION PK CTR #310
MIDVALE UT 84047

phone (801) 566-7400
account no. N 5050

FROM (former operator) PENNZOIL EXPLOR & PROD CO
(address) PO BOX 2967 28TH FL
HOUSTON TX 77252-2967

phone (713) 546-6998
account no. N 2885

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

| Name | API | Entity | Sec | Twp | Rng | Lease Type |
|---|---|---|---|---|---|---|
| UTE 1-20Z2/GR-WS | 43-013-30378 | 5590 | 20 | 1N | 2W | INDIAN |
| UTE TRIBAL 1-21Z2/GRWS | 43-013-30148 | 5610 | 21 | 1N | 2W | INDIAN |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

**OPERATOR CHANGE DOCUMENTATION**

Lec 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (4-2-93)

Lec 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (3-29-93)

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: _____.

Lec 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.

Lec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (3-25-96)

Lec 6. Cardex file has been updated for each well listed above. (3-25-96)

Lec 7. Well file labels have been updated for each well listed above (3-25-96)

Lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (3-25-96)

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.

- OVER -

**OPERATOR CHANGE WORKSHEET (CONTINUED)** Initial each item when completed. Write N/A if item is not applicable.

**ENTITY REVIEW**

Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) ____ (If entity assignments were changed, attach copies of Form 6, Entity Action Form).

N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

**BOND VERIFICATION (Fee wells only)**

N/A/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.

___ 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.

DCS 3/27/96

N/A 2. Copies of documents have been sent to State Lands for changes involving **State leases**.

**FILMING**

KDR 1. All attachments to this form have been microfilmed. Date: April 17 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**

960318 BIA/Aprv.

(Medallion has reported monthly O&G prod. from 93' to Current; however they were never recognized as operator until 3-18-96.)

FORM 9

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: 1420H621537

6. If Indian, Allottee or Tribe Name: UTE

7. Unit Agreement Name:

8. Well Name and Number: UTE 1-20Z2

9. API Well Number: 4301330378

10. Field and Pool, or Wildcat: BLUEBELL

1. Type of Well: OIL [X] GAS [ ] OTHER:

2. Name of Operator: Medallion Exploration

3. Address and Telephone Number: 6975 Union Park Center, #310 Midvale, Ut 84047

4. Location of Well
Footages: 2,432' FEL & 1,962' FSL
QQ, Sec.,T.,R.,M.: NWSE, Sec. 20, T1N, R2W

County: DUCHESNE
State: UTAH

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

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

- [ ] Abandonment
- [ ] Casing Repair
- [ ] Change of Plans
- [ ] Conversion to Injection
- [ ] Fracture Treat
- [ ] Multiple Completion
- [ ] New Construction
- [ ] Pull or Alter Casing
- [ ] Recompletion
- [ ] Shoot or Acidize
- [ ] Vent or Flare
- [ ] Water Shut-Off
- [X] Other Change Of Operator

Approximate date work will start _____

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

- [ ] Abandonment *
- [ ] Casing Repair
- [ ] Change of Plans
- [ ] Conversion to Injection
- [ ] Fracture Treat
- [ ] Other _____
- [ ] New Construction
- [ ] Pull or Alter Casing
- [ ] Shoot or Acidize
- [ ] Vent or Flare
- [ ] Water Shut-Off

Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION 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 November 1, 1996, Medallion Exploration will relinquish the operatorship of the referenced well to the Barrett Resources Corp.

RECEIVED
NOV 05 1996
DIV. OF OIL, GAS & MINING

13.

Name & Signature: [signature] Title: Operations Date: 10/1/96

(This space for State use only)

FORM 3160-5
(JUNE 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

*SUBMIT IN TRIPLICATE*

5. Lease Designation and Serial No.: 1420H621537

6. If Indian, Alottee or Tribe Name: UTE TRIBE

7. If Unit or CA, Agreement Designation:

1. Type of Well: [X] Oil Well [ ] Gas Well [ ] Other

8. Well Name and No.: UTE 1-20Z2

2. Name of Operator: BARRETT RESOURCES CORPORATION

9. API Well No.: 43-013-30378

3. Address and Telephone No.: 1515 ARAPAHOE ST., TOWER 3, STE 1000, DENVER, CO 80202

10. Field and Pool, or Exploratory Area: BLUEBELL

4. Location of Well (Footage, Sec., T., R., M., or Survey Description): 2432' FEL 1962' FSL NWSE 20-1N-2W

11. County or Parish, State: DUCHESNE, UTAH

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

| TYPE OF SUBMISSION | TYPE OF ACTION | |
|---|---|---|
| [X] Notice of intent | [ ] Abandonment | [ ] Change of plans |
| [ ] Subsequent Report | [ ] Recompletion | [ ] New Construction |
| [ ] Final Abandonment Notice | [ ] Plugging Back | [ ] Non-Routine Fracturing |
| | [ ] Casing Repair | [ ] Water Shut-Off |
| | [ ] Altering Casing | [ ] Conversion to Injection |
| | [X] Other CHANGE OF OPERATOR | [ ] 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.)*

PLEASE BE ADVISED THAT EFFECTIVE NOVEMBER 1, 1996, BARRETT RESOURCES CORPORATION TOOK OVER OPERATIONS OF THE ABOVE WELL FROM MEDALLION EXPLORATION.

RECEIVED
NOV 18 1996
DIV. OF OIL, GAS & MINING

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

Signed: [signature] Title: Joseph P. Barrett, Vice Pres., Land Date: 11-1-96

(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 fraudulen statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

UNITED STATES GOVERNMENT

# memorandum

DATE: January 13, 1997

REPLY TO ATTN OF: Superintendent, Uintah and Ouray Agency

SUBJECT: Change of Operator

TO: Bureau of Land Management, Vernal District Office
Attention: Margie Herrmann, Division of Minerals and Mining

RECEIVED
JAN 16 1997
DIV. OF OIL, GAS & MINING

We have received copies of Sundry Notices and Reports on Wells (Form 3160-5), requiring BIA Action, informing this office of a change of operator for the following wells on the attached sheets.

**OPERATOR - FROM:** MEDALLION EXPLORATION
**TO:** BARRETT RESOURCES CORP.

This office recommends a approval for the Changes of Operator for the well(s) that are on allotted/tribal property. We are aware of the wells that are not on allotted/ tribal property, but have allotted/tribal mineral interests, and we have no objection to your approval of the change of operator requests.

All operations will be covered under a $75,000 Collective Bond filed with this office for Barrett's.

If you have any questions, please contact this office at (801) 722-4310.

Charles H Cameron

cc: Jerry Kenczka, BLM/Vernal
Energy & Minerals, Ute Tribe
Ute Distribution Corporation, Roosevelt, UT
Lisha Cordova, State of Utah
Theresa Thompson, BLM/State Office

OPTIONAL FORM NO. 10
(REV. 1-80)
GSA FPMR (41 CFR) 101-11.6
5010-114
★U.S.GPO:1990-0-262-081/20165

CHANGE OF OPERATOR
FROM MEDALLION TO BARRETT

| Twnshp | Range | Sec | Well Name | Well Location | On Lse? | Lease No. | Chg of Operator for CA needed |
|---|---|---|---|---|---|---|---|
| 1N | 2W | 20 | Ute 1-20Z2 | NWSE | Y | 1537 | n/a |
| 1N | 2W | 21 | Ute 1-21Z2 | NESW | Y | 1538 | n/a |
| 2S | 6W | 34 | Tribal 1-34B6 | SWSE | Y | 2494 | n/a |
| 3S | 5W | 4 | Voda 1-4C5 | NWNE | N | Fee | |
| 3S | 6W | 2 | Tribal 2-2C6 | SWSW | Y | 2460 | n/a |
| | | | Tribal 1-3C6 | SWSE | Y | | |
| 3S | 6W | 3 | Tribal 2-3C6 | NENW | Y | 3365 | n/a |
| 3S | 6W | 4 | Tribal 1-4C6 | SWNE | Y | 4668 | n/a |
| | | | Tribal 1-9C6 | SWNE | Y | | |
| 3S | 6W | 9 | Tribal 2-9C6 | SWSW | Y | 2461 | n/a |
| 3S | 6W | 11 | Tribal 2-11C6 | NESW | Y | 2462 | n/a |
| | | | Tribal E-2 | SWSW | Y | | |
| 3S | 6W | 12 | Tribal E-1 | SWNE | Y | 2463 | n/a |
| | | | Tribal F-1 | NENE | Y | | |
| 3S | 6W | 13 | Tribal 2-13C6 | NESW | Y | 2466 | n/a |
| | | | Tribal L-1 | SWNE | Y | | |
| 3S | 6W | 23 | Tribal 2-23C6 | NESW | Y | 1123 | n/a |
| 3S | 6W | 24 | Tribal G-1 | SWNE | Y | 1137 | n/a |
| 3S | 6W | 35 | Tribal 1-35C6 | SWNE | Y | 3436 | n/a |
| 3S | 6W | 36 | Tribal 1-36C6 | NENE | Y | 3445 | n/a |
| 4S | 5W | 5 | Tribal 5-1 | SENW | Y | 2630 | n/a |
| 4S | 5W | 9 | Tribal 3-9 | SENW | Y | 3543 | n/a |
| 4S | 5W | 10 | Tribal 10-1 | SENW | Y | 3544 | n/a |

Division of Oil, Gas and Mining

# OPERATOR CHANGE WORKSHEET

| Routing: | |
|---|---|
| 1-LEC/SLS | 6-LEC |
| ~~2-GLH~~ | ~~7-KDR~~ Film |
| 3-~~DTS~~ DTS | 8-SJ |
| 4-VLD | 9-FILE |
| 5-RJF | |

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

XXX 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:** 11-1-96

**TO:** (new operator) BARRETT RESOURCES CORP
(address) 1515 ARAPAHOE ST T3 #1000
DENVER CO 80202
JOSEPH BARRETT, VP LAND
Phone: (303)606-4259
Account no. N9305

**FROM:** (old operator) MEDALLION EXPLORATION
(address) 6975 UNION PK CTR #310
MIDVALE UT 84047
JAKE HAROUNY
Phone: (801)566-7400
Account no. N5050

**WELL(S)** attach additional page if needed:

| Name: | API: | Entity: | S | T | R | Lease: |
|---|---|---|---|---|---|---|
| **SEE ATTACHED** | 013-30378 | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

## 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 11-5-96)

Lec 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). (Rec'd 11-18-96)

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. (1-16-97)

Lec 6. **Cardex** file has been updated for each well listed above. (1-17-97)

Lec 7. Well **file labels** have been updated for each well listed above. (1-17-97)

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. (1-16-97)

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.

OPERATOR CHANGE WORKSHEET (continued) - Initial each item when completed. Write N/A if item is not applicable.

## ENTITY REVIEW

LCC 1. (r649-8-7) **Entity assignments have been reviewed** for all wells listed above. Were entity changes made? (yes/no) ____ If entity assignments were changed, attach copies of Form 6, Entity Action Form.

N/A 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been **notified** through normal procedures of entity changes.

## BOND VERIFICATION - (FEE WELLS ONLY)

N/A 1. (r649-3-1) The **NEW** operator of any fee lease well listed above has furnished a proper bond.

LCC 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 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.

BTS 1/17/97

N/A 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated _____ 19 __, of their responsibility to notify all interest owners of this change.

## FILMING

VB 1. All attachments to this form have been **microfilmed**. Today's date: 1-30-97.

## 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

970116 BIA / Aprv. 1-13-97.

# United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Vernal District Office
170 South 500 East
Vernal, Utah 84078-2799

Phone: (801) 781-4400
Fax: (801) 781-4410

IN REPLY REFER TO:
3162.3
UT08300

March 11, 1997

Barrett Resources Corporation
Attn: Greg Davis
1515 Arapahoe St., Tower 3, Suite 1000
Denver CO 80202

43-013-30378

Re: Well No. Ute 1-20Z2
NWSE, Sec. 20, T1N, R2W
Lease 14-20-H62-1537
Duchesne County, Utah

Dear Mr. Davis:

This correspondence is in regard to the Sundry Notice 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, Barrett Resources Corporation is responsible for all operations performed on the referenced well. All liability will now fall under your bond, a $75,000 BIA Collective Bond, for all operations conducted on the referenced well on the leased land.

If you have any other questions concerning this matter, please contact Margie Herrmann or Pat Sutton of this office at (801) 789-1362.

Sincerely,

Howard B. Cleavinger II
Assistant Field Manager
Minerals Resources

cc: Medallion Exploration
BIA
[redacted]

RECEIVED
MAR 14 1997
DIV. OF OIL, GAS & MI

FORM 3160-5
(JUNE 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

5. Lease Designation and Serial No.
1420H621537

6. If Indian, Alottee or Tribe Name
UTE TRIBE

## SUNDRY NOTICES AND REPORTS ON WELLS

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

*SUBMIT IN TRIPLICATE*

7. If Unit or CA, Agreement Designation

1. Type of Well
[X] Oil Well [ ] Gas Well [ ] Other

8. Well Name and No.
UTE 1-20Z2

2. Name of Operator
BARRETT RESOURCES CORPORATION

9. API Well No.
43-013-30378

3. Address and Telephone No.
1515 ARAPAHOE ST, TOWER 3, #1000, DENVER, CO 80202 (303) 572-3900

10. Field and Pool, or Exploratory Area
BLUEBELL

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2432' FEL 1962' FSL
NWSE SECTION 20-T1N-R2W

11. County or Parish, State
DUCHESNE, UTAH

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

| TYPE OF SUBMISSION | TYPE OF ACTION | |
|---|---|---|
| [ ] Notice of intent | [X] Abandonment | [ ] Change of plans |
| | [ ] Recompletion | [ ] New Construction |
| [X] Subsequent Report | [ ] Plugging Back | [ ] Non-Routine Fracturing |
| | [ ] Casing Repair | [ ] Water Shut-Off |
| [ ] Final Abandonment Notice | [ ] Altering Casing | [ ] Conversion to Injection |
| | [ ] Other | [ ] 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, inclucing 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.)*

PUMPED HOT WATER DOWN TBG TO CLEAR WAX PLUG, ATTEMPTED TO RELEASE PKR AT 12513' - COULD NOT RELEASE.
TI WITH TBG CUTTER AND CUT TBG AT 12450'
SET 5" CIBP AT 12310', MIXED AND PUMPED 10 SX CMT, SPOTTED BALANCED PLUG 12310-12197'
MIXED AND PUMPED 60 SX CMT, SPOTTED BALANCED PLUG 10049-9717'. TAG TOP OF PLUG AT 9717'.
MIXED AND PUMPED 50 SX CMT, SPOTTED BALANCED CMT PLUG 5726-5458'
SHOT 4 HOLES AT 2940' FILLED CSG WITH 13 BW AND PRESSURED UP CSG TO 750#, NO INJECTION RATE AND NO RETURNS UP SURFACE PIPE.
TI WITH OPEN ENDED TBG TO 2970' MIXED AND PUMPED 50 SX CMT, SPOTTED BALANCED PLUG FROM 2970-2706'
TI WITH 2 7/8" TBG TO 121', PUMPED 37 SX CMT FROM 121' TO SFC, UNABLE TO CMT 7"X9 5/8" ANNULUS SINCE IT WAS ALREADY CEMENTED.
CUT OFF BOTH CSG STRINGS 4' BELOW GROUND LEVEL
TOP OFF CMT INSIDE CSG
INSTALLED DRY HOLE MARKER
PLUGGED TO BLM PROCEDURES, WITNESSED BYALAN WALKER OF BLM
P&A 7/6/98

RECEIVED
JUL 20 1998
DIV. OF OIL, GAS & MINING

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

Signed Greg Davis TITLE PRODUCTION SERVICES SUPERVISOR Date 7/15/98

(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 fraudulen statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side