

Release Date 12-16-69

CONFIDENTIAL

P-M

GULF #1 NAVAJO SW SW 100
Sec. 11-4N-7W APACHE COUNTY

s1

COUNTY Apache AREA 26 mi NW/Fort Defiance LEASE NO. 14-20-0603-1481
AZ

WELL NAME Gulf #1 Navajo ^{Navajo}

LOCATION SW SW SEC 11 TWP 4N RANGE 7W FOOTAGE 660' FSL 660' FWL

ELEV 7434' GR KB SPUD DATE 6-3-69 STATUS P&A COMP. DATE 6-16-69 TOTAL DEPTH 2375'

CONTRACTOR Circle A. Drilling Company, Denver, Colorado

| | | | | | |
|--------------|-------------|----------------|--------------------|-----------------------|----------|
| CASING SIZE | DEPTH | CEMENT | LINER SIZE & DEPTH | DRILLED BY ROTARY | <u>X</u> |
| <u>8 5/8</u> | <u>265*</u> | <u>225 Sks</u> | <u>NA</u> | DRILLED BY CABLE TOOL | |
| | | | | PRODUCTIVE RESERVOIR | |
| | | | | INITIAL PRODUCTION | |

| FORMATION TOPS | DEPTHS | SOURCE | | REMARKS |
|----------------|--------|--------|------|--------------|
| | | L.L. | E.L. | |
| DeChelly | 170' | X | X | *Set at 277' |
| Organ Rock | 890' | | | |
| Hermosa | 1628' | | | |
| Mississippian | 1865' | | | |
| Elbert | 1902' | | | |
| McCracken | 2052' | | | |
| Aneth | 2196' | | | |
| Pre-Cambrian | 2294' | | | |

| | | | |
|-------------------------------|----------------------|-----------------|---------------------------------|
| ELECTRIC LOGS | PERFORATED INTERVALS | PROD. INTERVALS | SAMPLE LOG <u>Am Strat</u> |
| <u>IE Log; BHC; Formation</u> | <u>NA</u> | <u>NA</u> | SAMPLE DESCRP. <u>4 Corners</u> |
| Density | | | SAMPLE NO. <u>1572</u> |
| | | | CORE ANALYSIS |
| | | | DSTs |

| | |
|---------|------------------------|
| REMARKS | APP. TO PLUG <u>X</u> |
| | PLUGGING REP. <u>X</u> |
| | COMP. REPORT <u>X</u> |

WATER WELL ACCEPTED BY _____

BOND CO. Federal Insurance Company ^{John P. W. 706} BOND NO. 8031-74-54
 BOND AMT. \$ 25,000 CANCELLED 11-4-87 DATE 3-26-69
 FILING RECEIPT 9581 LOC. PLAT X WELL BOOK X PLAT BOOK X
 API NO. 02-001-20100 DATE ISSUED 5-29-69 DEDICATION W/2 SW/4

PERMIT NUMBER 499 Release Date 12-16-69
 (over) **CONFIDENTIAL**

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

DESIGNATE TYPE OF COMPLETION:

New Well Work-Over Deepen Plug Back Same Reservoir Different Reservoir Oil Gas Dry

DESCRIPTION OF WELL AND LEASE

Operator **Gulf Oil Corporation** Address **Box 1938, Roswell, New Mexico 88201**

Federal, State or Indian Lease Number or name of lessor if fee lease **14-20-0603-1481** Well Number **1** Field & Reservoir **Wildcat**

Location **660' FS & WL,** County **Apache**

Sec. TWP-Range or Block & Survey **Sec 11, 4-N, 7-W, N. S. M. (Please Consider this information confidential)**

Date spudded **6-3-69** Date total depth reached **6-15-69** Date completed, ready to produce **P & A** Elevation (DF, RKB, RT or Gr.) **7434' Gr** Elevation of casing hd. flange **feet**

Total depth **2375'** P.B.T.D. **--** Single, dual or triple completion? **--** If this is a dual or triple completion, furnish separate report for each completion.

Producing interval (s) for this completion **None - P & A** Rotary tools used (interval) **0 - 2375'** Cable tools used (interval) **--**

Was this well directionally drilled? **No** Was directional survey made? **No** Was copy of directional survey filed? **No** Date filed

Type of electrical or other logs run (check logs filed with the commission) **IES, BHC Sonic-GR & Formation Density** Date filed

CASING RECORD

Casing (report all strings set in well—conductor, surface, intermediate, producing, etc.)

| Purpose | Size hole drilled | Size casing set | Weight (lb./ft.) | Depth set | Sacks cement | Amt. pulled |
|---------|-------------------|-----------------|------------------|-----------|------------------------|-------------|
| Surface | 12-1/4" | 8-5/8" | 24# | 277' | 225 sacks (Circulated) | |

TUBING RECORD

LINER RECORD

| Size | Depth set | Packer set at | Size | Top | Bottom | Sacks cement | Screen (ft.) |
|------|-----------|---------------|------|-----|--------|--------------|--------------|
| in. | ft. | ft. | in. | ft. | ft. | ft. | |
| | | | | | | | |

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

| Number per ft. | Size & type | Depth Interval | Amt. & kind of material used | Depth Interval |
|----------------|-------------|----------------|------------------------------|----------------|
| None | | | None | |

INITIAL PRODUCTION

Date of first production **Did not Produce** Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump:)

Date of test **July 7, 1969** Hrs. tested **2** Choke size **1/2"** Oil prod. during test **0** Gas prod. during test **0** Water prod. during test **0** Oil gravity **° API (Corr)**

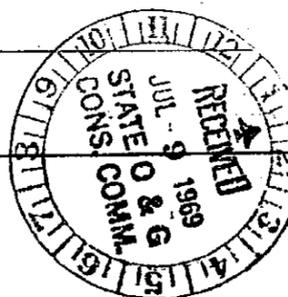
Tubing pressure **0** Casing pressure **0** Cal'ed rate of Production per 24 hrs. **0** Oil **0** Gas **0** Water **0** Gas-oil ratio

Disposition of gas (state whether vented, used for fuel or sold):

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the **District Production Manager** of the **Gulf Oil Corporation** (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Date **July 7, 1969**

M. I. Taylor
Signature
M. I. TAYLOR, District Production Manager



Permit No. **499**

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Well Completion or Recompletion Report and Well Log
Form No. 4 File Copy **2**

DETAIL OF FORMATIONS PENETRATED

| Formation | Top | Bottom | Description* |
|---------------|--------|--------|--|
| DeChelly | 170' | 890' | Sandstone fine to coarse grained, rounded to subangular, poorly cemented, porous. |
| Organ Rock | 890' | 1,628' | Siltstone, red, micaceous becoming calcareous and containing lime nodules from 1380 to 1628'. |
| Hermosa | 1,628' | 1,865' | Limestone, sandstone, and shale. |
| Mississippian | 1,865' | 1,902' | Limestone and dolomite fine to coarse crystalline white to tan to purple. |
| Elbert | 1,902' | 2,052' | Dolomite fine to coarse crystalline white to purple, w/few sand grains embedded, porous DST #1 - 1862-1996' Tool open 70 min., no identifiable gas to surface. FP 13-13, 60 min. ISIP 448, 60 min. FSIP 540, recovered 10 feet of drilling fluid. |
| McCracken | 2,052' | 2,196' | Sandstone, medium to coarse grained, angular, porous. DST #2 - 2031-2095' Tool open 75 min., No GST, FP 6-6 60 min. ISIP 13, 60 min. FSIP 13, recovered 2 feet drilling fluid. * |
| Aneth | 2,196' | 2,294' | Dolomite fine to coarse crystalline, white to purple, w/tr. intercrystalline porosity. |
| Pre-Cambrian | 2,294' | 2,374' | Granite, coarse crystalline orthoclase, plagioclase, quartz, and biotite. * DST #3 2079-2166, Tool open 130 min. no GST, FP 66-652, 60 min. ISIP 652, 60 min. FSIP 652, recovered 180' drilling fluid plus 1428' nonflammable gas cut muddy salt water. |

* Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

INSTRUCTIONS:

Attach drillers log or other acceptable log of well.

This Well Completion or Recompletion report and well log shall be filed with the State of Arizona Oil & Gas Conservation Commission not later than thirty days after project completion.

PLUGGING RECORD

| | | | |
|--|---|--|---|
| Operator Gulf Oil Corporation | | Address Box 670, Hobbs, New Mexico 88240 | |
| Federal, State, or Indian Lease Number, or lessor's name if fee lease. 11-20-0603-1481 | | Well No. 1 | Field & Reservoir Wildcat |
| Location of Well 660' FS & WL, Section 11, 4-N, 7-W | | | Sec-Twp-Rge or Block & Survey Apache |
| Application to drill this well was filed in name of Gulf Oil Corporation | Has this well ever produced oil or gas No | Character of well at completion (initial production): Oil (bbbls/day) _____ Gas (MCF/day) _____ Dry? Yes | |
| Date plugged: June 16, 1969 | Total depth 2375' | Amount well producing when plugged: Oil (bbbls/day) None Gas (MCF/day) _____ Water (bbbls/day) _____ | |
| Name of each formation containing oil or gas. Indicate which formation open to well-bore at time of plugging | Fluid content of each formation | Depth interval of each formation | Size, kind & depth of plugs used. Indicate zones squeeze cemented, giving amount cement |
| None | | | |

CASING RECORD

44

| Size pipe | Put in well (ft.) | Pulled out (ft.) | Left in well (ft.) | Give depth and method of parting casing (shot, ripped, etc.) | Packers and shoes |
|---------------|-------------------|------------------|--------------------|--|-------------------|
| 8-5/8" | 265' | None | 265' | | |
| | | | | | |
| | | | | | |

Was well filled with mud-laden fluid, according to regulations? **Yes** Indicate deepest formation containing fresh water.

NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE

| Name | Address | Direction from this well: |
|---------------------|---------|---------------------------|
| Federal Land | | |
| | | |

In addition to other information required on this form, if this well was plugged back for use as a fresh water well, give all pertinent details of plugging operations to base of fresh water sand, perforated interval to fresh water sand, name and address of surface owner, and attach letter from surface owner authorizing completion of this well as a water well and agreeing to assume full liability for any subsequent plugging which might be required.

Use reverse side for additional detail.

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the **Area Petroleum Engineer** of the **Gulf Oil Corporation** (company) and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

July 2, 1969

Date

Signature

C E Mace

C. E. MACE, Area Petroleum Engineer

Permit No. **499**

Form No. 10

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Plugging Record
File One Copy



6

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 GAS WELL DRY Other _____

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

2. NAME OF OPERATOR
Gulf Oil Corporation

3. ADDRESS OF OPERATOR
Box 1938, Roswell, New Mexico 88201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 660' FS & WL, Section 11, 4-N, 7-W, N. S. M.
At top prod. interval reported below
At total depth Please consider this information confidential

5. LEASE DESIGNATION AND SERIAL NO.
14-20-0603-1481

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Navajo (Taxado)

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec 11, 4-N, 7-W

12. COUNTY OR PARISH
Apache

13. STATE
Arizona

14. PERMIT NO. _____ DATE ISSUED _____

15. DATE SPUDDED 6-3-69 16. DATE T.D. REACHED 6-15-69 17. DATE COMPL. (Ready to prod.) P & A 18. ELEVATIONS (DF, RES, RT, GR, ETC.)* 743' Cr. 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 2375' 21. PLUG, BACK T.D., MD & TVD _____ 22. IF MULTIPLE COMPL., HOW MANY* _____ 23. INTERVALS DRILLED BY _____ ROTARY TOOLS _____ CABLE TOOLS _____

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
None

25. WAS DIRECTIONAL SURVEY MADE
None

26. TYPE ELECTRIC AND OTHER LOGS RUN
IES, BHO Sonic-OR Formation Density

27. WAS WELL CORED
No

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

| CASING SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
|---------------|-----------------|----------------|----------------|-------------------------------|---------------|
| <u>8-5/8"</u> | <u>24 1/2</u> | <u>277'</u> | <u>12-1/4"</u> | <u>225 sacks (Circulated)</u> | |

29. LINER RECORD

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

30. TUBING RECORD

| SIZE | DEPTH SET (MD) | PACKER SET (MD) |
|------|----------------|-----------------|
| | | |

31. PERFORATION RECORD (Interval, size and number)
None

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

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED |
|---------------------|----------------------------------|
| <u>None</u> | |

33. PRODUCTION

DATE FIRST PRODUCTION Did Not Produce PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) _____

| DATE OF TEST | HOURS TESTED | CHOKE SIZE | PROD'N. FOR TEST PERIOD | OIL—BBL. | GAS—MCF | GAS-OIL RATIO |
|--------------|--------------|------------|-------------------------|----------|---------|---------------|
| | | | | | | |

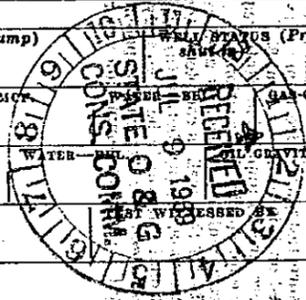
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) _____

35. LIST OF ATTACHMENTS

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

ORIGINAL SIGNED
SIGNED M. I. TAYLOR BY M. I. TAYLOR TITLE District Production Manager DATE July 7, 1969

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



4

499

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 30.

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: "Seals 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 | | DESCRIPTION, CONTENTS, ETC. | BOTTOM | | GEOLOGIC MARKERS | | |
|-----------|------|------|---|--------|-------|---|-------------|------------------|
| | 170' | 890' | | 1902' | 2032' | NAME | MEAS. DEPTH | TRUE VERT. DEPTH |
| DoChelly | | | Sandstone, fine to coarse grained, rounded to subangular poorly cemented. Probably contains fresh water. | | | DoChelly | 170' | |
| Hilbert | | | Dolomite, fine to coarse crystalline, white to purple, w/few sand grains embedded, porous. ISIP #1 1862-1936 Tool open 70 min. No identifiable gas to surface. FP 13-13, 60 min. ISIP 448, 60 min. FSIP 540, rec. 10 feet of drilling fluid. | 890' | 2032' | Organ Rock Hermann Miamisippian Hilbert McCracken Austin Pre-Cambrian | 890' | |
| McCracken | | | Sandstone, med. to coarse grained, angular, porous, regenerated quartz crystal faces common. ISIP #2 2031-2095' Tool open 75 min. no gas. FP 6-6, 60 min. ISIP 13, 60 min. FSIP 13, recovered 2 feet drilling fluid. ISIP #3 2079-2166 Tool open 130 min, no identifiable gas to surface. FP 66-62, 60 min. ISIP 652, 60 min. FSIP 652, recovered 160' drilling fluid plus 1428' nonflammable gas cut muddy salt water. | 1902' | 2196' | | 1902' | 2196' |

TENACO
INC.

PETROLEUM PRODUCTS



RECEIVED
LAND DEPT.
FARMINGTON OFFICE

JUL 3 1968

Referred to _____

By _____

P. O. Box 810
Farmington, New Mexico 87401
July 1, 1968

A-1117 - Contr. #14-20-0603-1430
Unsurvey Sec. 25, T4N, R7W

A-1118 - Contr. #14-20-0603-1481
Secs. 11, 14, 23, 24, T4N, R7W, N.S.M.
Apache County, Arizona

Mr. John A. Anderson, Supervisor
U. S. Geological Survey
Drawer 1857
Roswell, New Mexico 80201

Superintendent
Navajo Indian Agency
Window Rock, Arizona 86515

Gentlemen:

In accordance with the provisions of the captioned leases, we submit herewith in duplicate to each addressee certified copies of survey plats covering the above-described lands.

On the copy of this letter please acknowledge that the subject surveys have been accepted by your office and return that copy to us by return mail in the enclosed envelope. Your prompt return of this copy will be appreciated.

Very truly yours,

499

Fred E. Beach
Fred E. Beach
District Landman

FEB:jm

Encls.

cc: ALP

Airmail

The surveys by Clark-Reed & Associates of all of the above lands have been accepted by this office on this, the 2nd day of July, 1968.

By *John C. Williams*

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE
(Other instructions on re-
verse 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 GAS WELL OTHER **Dry Hole**

2. NAME OF OPERATOR
Gulf Oil Corporation

3. ADDRESS OF OPERATOR
Box 670, Hobbs, New Mexico 88240

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
660' FS & WL, Section 11, 4-N, 7-W, N. S. M.

Please consider this information confidential

14. PERMIT NO. _____ 15. ELEVATIONS (Show whether DT, ST, OR, etc.) _____

5. LEASE DESIGNATION AND SERIAL NO.
14-20-0603-1481

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Navajo (Texaco)

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Wildeat

11. SEC. T. R. OR DEQ. AND SURVEY OR AREA
Sec 11, 4-N, 7-W

12. COUNTY OR PARISH 13. STATE
Apache Arizona

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

| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
|--|---|--|--|
| TEST WATER SHUT-OFF <input type="checkbox"/> | FULL OR ALTER CASING <input type="checkbox"/> | WATER SHUT-OFF <input type="checkbox"/> | REMAINING WELL <input type="checkbox"/> |
| FRACTURE TREAT <input type="checkbox"/> | MULTIPLE COMPLETE <input type="checkbox"/> | FRACTURE TREATMENT <input type="checkbox"/> | ALTERING CASING <input type="checkbox"/> |
| SHOOT OR ACIDIZE <input type="checkbox"/> | ABANDON* <input type="checkbox"/> | SHOOTING OR ACIDIZING <input type="checkbox"/> | ABANDONMENT* <input type="checkbox"/> |
| REPAIR WELL <input type="checkbox"/> | CHANGE PLANS <input type="checkbox"/> | (Other) Plugged and Abandoned | |
| (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 cones pertinent to this work.)

2375' TD.
Reached TD of 7-7/8" hole at 2375' at 11:00 AM, June 15, 1969. Ran logs. Obtained permission from Mr. P. T. McGrath with U. S. G. S. and plugged and abandoned as follows: Spotted 60 sacks cement plug No. 1 from 1936' to 1786'; 45 sack cement plug No. 2 from 1686' to 1586'; 45 sack cement plug No. 3 from 970' to 870' and 15 sack cement plug No. 4 from 30' to surface. Installed dry hole marker and cleaned location. Plugged and abandoned June 16, 1969.

18. I hereby certify that the **ORIGINAL** is correct

SIGNED C. E. MACE TITLE Area Petroleum Engineer DATE July 2, 1969

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____

*See Instructions on Reverse Side



5 499

The following wells have been delivered to the
Cut. Depco, #4-2 Navajo Tribal
NW/4 NW/4 Sec.2-38N-20E
Apache Cou. Arizona

This well from your list was called #1 Nav.1546

Gulf, #1 Navajo (Texas)
SW/4 SW/4
Sec.11-4N-7W
Apache Co. Arizona

The Odessa well has been brought in, and will soon
be shipped to you. However it is called #1 Cove.
I believe I notified you that it had been re-
ceived.

6/17-69

Jo Ratcliff

489

Telephone 6-15-69
Gulf - Prep to plug. Have verbal
O.K. Jrs:

TD 2370 (?) → (approximate)

Will plug:
@ surface
@ shoe (227')
@ base De Chelly 900
@ Hermosa 1630
@ Miss 1865
@ Devonian 1890

Will start moving in immediately
on Gulf #1 Nav. 1797 (permit #500)
which location lies 5 miles to
the south.

499

8

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE
(Other instructions on
verse 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 GAS WELL OTHER

2. NAME OF OPERATOR
Gulf Oil Corporation

3. ADDRESS OF OPERATOR
Box 670, Hobbs, New Mexico 88240

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
660' FS & WL, Section 11, 4-N, 7-W

14. PERMIT NO. _____

15. ELEVATIONS (Show whether DF, ST, GR, etc.) _____

5. LEASE DESIGNATION AND SERIAL NO.
14-20-0603-1481

6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____

7. UNIT AGREEMENT NAME _____

8. FARM OR LEASE NAME
Navajo (Texas)

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC. T, S, R, M, OR BLE. AND SURVEY OR AREA
Sec 11, 4-N, 7-W

12. COUNTY OR PARISH
Apache

13. STATE
Arizona

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

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

(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.)*

Circle A Drilling Company spudded 12-1/4" surface hole at 5:30 AM, June 3, 1969. Drilled to 288'. Ran 8 joints, 265' of 8-5/8" 21# J-55 ST&C casing set and cemented at 277' with 225 sacks of Class A cement with 2% Ca Cl2. Cement circulated. WOC over 18 hours. Tested casing with 1150#, 30 minutes, OK.

Started drilling 7-7/8" hole at 288' at 2:00 PM, June 6, 1969.



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

SIGNED G. D. BORLAND TITLE Area Production Manager DATE June 9, 1969

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____

*See Instructions on Reverse Side

9 499

WELL SITE CHECK

Contractor Circle "A" Drilling By [Signature]
 Spud date 6-4-69 Date 6-6-69
 Type Rig _____ Rotary Cable
 Present Operations Drilling
 Samples _____
 Pipe _____ Drilling with Air _____ Mud
 Water Zones _____ Size Hole _____
 Lost Circ. Zones _____ Size Drill Pipe _____
 Formation Tops _____ Type Bit _____
 Gores, Logs, DST _____ No. Bit _____ Drilling Rate _____
 Formation _____
 Crows _____ Lithology _____

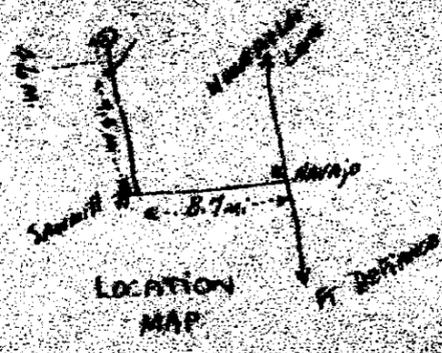
REMARKS, PHOTO, MAP



CIRCLE "A" Drilling

Dist 876 @ 271'
W/ 225 5x

Drilling out from
surface csg.



LOCATION MAP

WELL NAME Bull #1 No. 1481

A-1118

Form 9-1123
(Rev. Dec. 1957)

(Submit in triplicate to appropriate
Regional Oil and Gas or Mining Supervisor)

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Indian Affairs,
holder of lease

District Land Office: Navajo Agency, Window Rock, Arizona
Serial No.: Contract No. 14-20-0603-1481
Approved June 3, 1968, by Dept. of Interior
and hereby designates

Name: Gulf Oil Corporation
Address: P. O. Drawer 1938, Roswell, New Mexico 88201

96
as its operator and local agent, with full authority to act in its behalf
in complying with the terms of the lease and regulations applicable there-
to and on whom the supervisor or his representative may serve written
or oral instructions in securing compliance with the Operating Regulations
with respect to (describe acreage to which this designation is
applicable):

Township 4 North, Range 7 West, Apache County, Arizona
Section 11: All.

It is understood that this designation of operator does not relieve
the lessee of responsibility for compliance with the terms of the lease
and the Operating Regulations. It is also understood that this designa-
tion of operator does not constitute an assignment of any interest in
the lease.

In case of default on the part of the designated operator, the
lessee will make full and prompt compliance with all regulations, lease
terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change
in the designated operator.

TEXACO INC.

By

J. R. McMurry
Agent and Attorney-in-Fact

P.O. Box 2100 Denver, Colorado 80201

May 1, 1969
(Date)



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 Wildcat SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 Gulf Oil Corporation

3. ADDRESS OF OPERATOR
 Post Office Box 1938, Roswell, New Mexico 88201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface: 660' FROM, Section 11, T-4N, R-7W Navajo Special Meridian
 At proposed prod. zone: Within 600' of Surface Location

5. LEASE DESIGNATION AND SERIAL NO.
 14-20-0603-1481

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Navajo (Taxaco)

9. WELL NO.
 1

10. FIELD AND POOL, OR WILDCAT
 Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 11, T-4N, R-7W, Navajo Spec. Mer.

12. COUNTY OR PARISH
 Apache

13. STATE
 Arizona

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 26 Miles Northwest of Fort Defiance 86704

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

16. NO. OF ACRES IN LEASE
 640

17. NO. OF ACRES ASSIGNED TO THIS WELL
 80

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

19. PROPOSED DEPTH
 2500'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 7,434 GR

22. APPROX. DATE WORK WILL START*
 June 3, 1969

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|--------------------|
| 11" | 8-5/8" | 24 | 275' | Circulate |

PROGRAM:

- (1) Drill 11" hole to 275'.
- (2) Run 8-5/8" casing to bottom, circulate cement.
- (3) Drill out and drill ahead with water.



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 M. J. Taylor TITLE District Production Manager DATE May 26, 1969

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

APPLICATION FOR PERMIT TO DRILL OR RE-ENTER

APPLICATION TO DRILL

RE-ENTER OLD WELL

Gulf Oil Corporation
NAME OF COMPANY OR OPERATOR

Post Office Box 1938 Roswell New Mexico 88201
Address City State

Circle A Drilling Company
Drilling Contractor
1110 Denver Club Building, Denver, Colorado 80202
Address

DESCRIPTION OF WELL AND LEASE

| | | |
|--|--|------------------------------------|
| Federal, State or Indian Lease Number, or if fee lease, name of lessor 14-20-0603-1481 | Well number and Name Navajo (Texaco) No. 1 | Elevation (ground) 7434' |
|--|--|------------------------------------|

| | |
|---|---|
| Nearest distance from proposed location to property or lease line: 660 feet | Distance from proposed location to nearest drilling, completed or applied—for well on the same lease: First Well feet |
|---|---|

| | |
|---|--|
| Number of acres in lease: 640 | Number of wells on lease, including this well, completed in or drilling to this reservoir: One |
|---|--|

If lease, purchased with one or more wells drilled, from whom purchased: Name Address

| | | |
|---|---|--|
| Well location (give footage from section lines) 660' FSS&WL | Section—township—range or block and survey 11, T-4N, R-7W | Dedication (Comply with Rule 105) 80 |
|---|---|--|

| | |
|--|-------------------------|
| Field and reservoir (if wildcat, so state) Wildcat | County Apache |
|--|-------------------------|

Distance, in miles, and direction from nearest town or post office
26 Miles Northwest of Fort Defiance, Arizona 86504

| | | |
|---------------------------------|--|---|
| Proposed depth: 2500' | Rotary or cable tools Rotary | Approx. date work will start June 5, 1969 |
|---------------------------------|--|---|

| | | |
|-------------------------------|--|---|
| Bond Status Blanket | Organization Report On file <input checked="" type="checkbox"/> Or attached | Filing Fee of \$25.00 Attached <input checked="" type="checkbox"/> |
|-------------------------------|--|---|

Remarks:

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the **District Production Manager** of the **Gulf Oil Corporation** and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.



M. J. Agler
Signature
Date **May 26, 1969**

Permit Number: **499**
Approval Date: **5-29-69**
Approved By: *John Bannister*

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Application to Drill or Re-enter
File Two Copies

Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.

Form No. 3

1. Operator shall outline the dedicated acreage for both oil and gas wells on the plat.
2. A registered professional engineer or land surveyor registered in the State of Arizona or approved by the Commission shall show on the plat the location of the well and certify this information in the space provided.
3. All distances shown on the plat must be from the outer boundaries of the Section.
4. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES _____ NO X
5. If the answer to question four is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES X NO _____ If answer is "yes," Type of Consolidation Operating Agreement
6. If the answer to question four is "no," list all the owners and their respective interests below:

| | |
|-------------------------------|-------------------------|
| Owner Gulf Oil Corporation | Land Description 50% |
| Texaco Inc. | 50% |

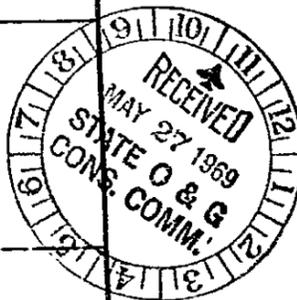
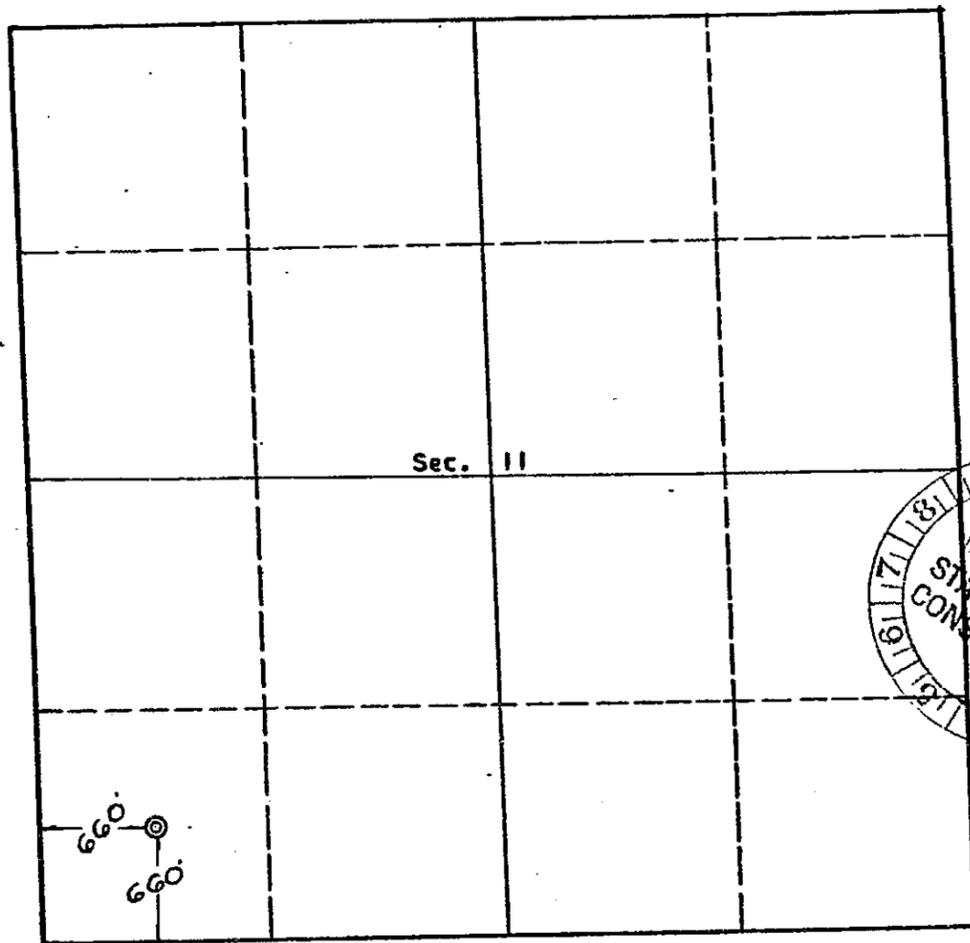
| | |
|--------------|---|
| See Attached | <p style="text-align: center;">CERTIFICATION</p> <p>I hereby certify that the information above is true and complete to the best of my knowledge and belief.</p> <p style="text-align: center;"><i>M. J. Taylor</i></p> <p>Name: _____ District Production Manager Position Gulf Oil Corporation Company May 26, 1969 Date</p> <p>I hereby certify that the well location shown on the plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.</p> <p>Date Surveyed _____ Registered Professional Engineer and/or Land Surveyor _____</p> <p>Certificate No. _____</p> |
|--------------|---|

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

PROPOSED CASING PROGRAM

| Size of Casing | Weight | Grade & Type | Top | Bottom | Cementing Depths | Sacks Cement |
|----------------|--------|--------------|-----|--------|------------------|--------------|
| 8-5/8" | 24# | K-55 | 0 | 275' | 275' | Circulate |

Company GULF OIL CORPORATION
Well Name & No. Navajo (Texaco) Well No. 1
Location 660 feet from the South line and 660 feet from the West line.
Sec. 11, T. 4 N., R. 7 W., Navajo Special Meridian, Apache County, Arizona.
Ground Elevation 7434



Surveyed May 17, 1969

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.



Ernest V. Echohawk
Ernest V. Echohawk
Registered Land Surveyor
Arizona Reg. No. 2311



PERMIT TO DRILL

This constitutes the permission and authority from the
OIL AND GAS CONSERVATION COMMISSION,
STATE OF ARIZONA,

To: Gulf Oil Company
(OPERATOR)

to drill a well to be known as

Gulf #1 Navajo 3000
(WELL NAME)

located 660' FSL - 660' FWL

Section 11 Township 4N Range 7W (NSM) Apache County, Arizona.

The W/2 SW/4 of said
Section, Township and Range is dedicated to this well.

Said well is to be drilled substantially as outlined in the attached Application and must be drilled
in full compliance with all applicable laws, statutes, rules and regulations of the State of Arizona.

Issued this 29th day of May, 19 69.

OIL AND GAS CONSERVATION COMMISSION

By John Bannister
EXECUTIVE SECRETARY

PERMIT N^o 499

RECEIPT NO. 9581
API NO. 02-601-20100

State of Arizona
Oil & Gas Conservation Commission
Permit to Drill

FORM NO. 27

SAMPLES ARE REQUIRED

X-Chrono
X-Lambert

July 1, 1969

Mr. M. I. Taylor
Gulf Oil Company
P. O. Drawer 1938
Roswell, New Mexico 88201

Re: Gulf #1 Navajo 1481
T4N, R7W, NSM
Sec. 11: SW/4 SW/4
Apache County
Permit #499

Dear Mr. Taylor:

Confirming this morning's telephone conversation we require a plugging record and our own Completion Report, Form 4. We will accept a copy of the plugging record that you furnished the U.S.G.S. but we are enclosing some of our own forms for your use should you care to utilize them.

We understand that samples have been delivered to the Four Corners Sample Cut at this time; and, that you will furnish us Drill Stem Test reports. You mentioned that electric logs were made on the captioned well; and, we will expect one copy of each log that was made.

We will enclose a Completion form that you may use on the Gulf #1 Navajo 1797 when that well has been completed.

Thank you for your cooperation in checking with this office as to our requirements. It certainly makes it easier for all parties when we have a clear understanding of each others actions.

Yours truly,

JAL:jf
Enc.

James A. Lambert
Administrative Assistant

P. S. This is a copy of a letter sent to Mr. Jack Allen on June 17.

Telephone reply to the letter on 7/3/69 - Paper work will be in during week of 7/7/69 - Vacation schedules caused paper-work bottle neck!

X-500

499

X- Chrono
X- Lambert

June 17, 1969

Mr. Jack Allen
Gulf Oil Company
P. O. Drawer 1938
Roswell, New Mexico 88201

Re: Gulf #1 Navajo 1481
T4N, R7W, N8M
Sec. 11: SW/4 SW/4
Apache County
Permit #499

Dear Mr. Allen:

Confirming this morning's telephone conversation we require a plugging record and our own Completion Report, Form 4. We will accept a copy of the plugging record that you furnished the U.S.G.S. but we are enclosing some of our own forms for your use should you care to utilize them.

We understand that samples have been delivered to the Four Corners Sample Cut at this time; and, that you will furnish us Drill Stem Test reports. You mentioned that electric logs were made on the captioned well; and, we will expect one copy of each log that was made.

We will enclose a Completion form that you may use on the Gulf #1 Navajo 1797 when that well has been completed.

500-x
Thank you for your cooperation in checking with this office as to our requirements. It certainly makes it easier for all parties when we have a clear understanding of each others actions.

Yours truly,

James A. Lambert
Administrative Assistant

JAL:jf
Enc.

499

Gulf Oil Company - U.S.

EXPLORATION AND PRODUCTION DEPARTMENT
ROSWELL DISTRICT

T. W. Kidd
DISTRICT MANAGER
M. J. Taylor
DISTRICT PRODUCTION
MANAGER
P. E. Wyche
DISTRICT EXPLORATION
MANAGER
H. A. Rankin
DISTRICT SERVICES MANAGER

June 4, 1969

P. O. Drawer 1938
Roswell, New Mexico 88201

State of Arizona
Oil and Gas Conservation Commission
1624 West Adams, Room 202
Phoenix, Arizona 85007

Re: Gulf No. 1 Navajo-Texaco
Section 11, T4N-R7W,
Apache County, Arizona
Permit No. 499

Gentlemen:

Please be advised that the captioned well was spudded
June 3, 1969. Delivery of well samples will be handled as
prescribed in D-1-68 by The Four Corners Sample Cut.

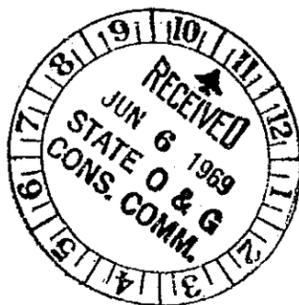
This well is being drilled tight and Gulf requests
that information be kept confidential.

Yours very truly,

L. R. Marshall

L. R. Marshall
District Exploration Geologist

LRM:ers



A DIVISION OF GULF OIL CORPORATION

499

Gulf Oil Company - U.S.

EXPLORATION AND PRODUCTION DEPARTMENT
ROSWELL DISTRICT

T. W. Kidd
DISTRICT MANAGER
M. I. Taylor
DISTRICT PRODUCTION
MANAGER
P. E. Wyche
DISTRICT EXPLORATION
MANAGER
H. A. Rankin
DISTRICT SERVICES MANAGER

P. O. Drawer 1939
Roswell, New Mexico 88201

May 29, 1969

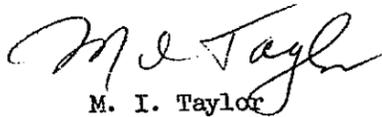
State of Arizona
Oil and Gas Conservation Commission
1624 West Adams
Phoenix, Arizona 85007

Re: Gulf No. 1 Navajo 1481
Apache County, Arizona
Permit No. 499

Gentlemen:

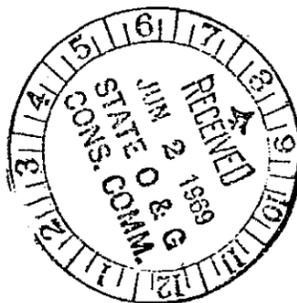
Enclosed are copies of Designation of Operator from
Texaco, Inc.

Yours very truly,


M. I. Taylor

Enclosures

REA:sz



A DIVISION OF GULF OIL CORPORATION

499

X-Lambert
X-Clifton

May 29, 1969

Mr. M. I. Taylor
Gulf Oil Corporation
P. O. Box 1938
Roswell, New Mexico 88201

Re: Gulf #1 Navajo 1481
T4N, R7W, NSM
Sec. 11: SW/4 SW/4
Apache County
Permit #499

Gulf #1 Navajo 1797
T4N, R7W, NSM
Sec. 36: SW/4 SW/4
Apache County
Permit #500 X

Dear Mr. Taylor:

Enclosed are two Applications for Permit to Drill which have been approved, a copy of a plat for each of the captioned wells, a miscellaneous letter from Texaco, and our Permits To Drill No. 499 and 500.

Miscellaneous instruction sheets pertaining to well samples and reports required by this office were included with the last permit we issued to you.

Yours truly,

James A. Lambert
Administrative Assistant

JF

Enc.

499

X-Lambert
X-Chrono

May 27, 1969

Mr. M. I. Taylor
Gulf Oil Company - U. S.
P. O. Drawer 1938
Roswell, New Mexico 88201

Re: Gulf #1 Navajo 1481
T4N, R7W, NSM
Sec. 11: SW/4 SW/4
Apache County
Permit #499

Dear Mr. Taylor:

Permit #499 will be issued May 29 covering the captioned well. Enclosed is your receipt covering the fee you remitted for subject permit. Please furnish us a Designation of Operator from Texaco, Inc. We enclose forms for that purpose; however, we will accept a photocopy of any other document that you might have in your file that indicates that you are operating on behalf of Texaco, Inc.

Yours truly,

James A. Lambert
Administrative Assistant

JAL:jf

Enc.

Rec'd 6/3/69

499

Gulf Oil Company - U.S.

EXPLORATION AND PRODUCTION DEPARTMENT
ROSWELL DISTRICT

T. W. Kidd
DISTRICT MANAGER
M. I. Taylor
DISTRICT PRODUCTION
MANAGER
P. E. Wyche
DISTRICT EXPLORATION
MANAGER
H. A. Rankin
DISTRICT SERVICES MANAGER

P. O. Drawer 1938
Roswell, New Mexico 88201

May 26, 1969

State of Arizona
Oil and Gas Conservation Commission
1624 West Adams, Room 202
Phoenix, Arizona 85007

Re: Application For Permit To Drill
Navajo (Texaco) No. 1
Apache County, Arizona

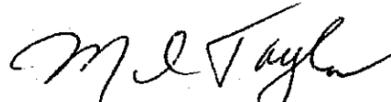
Gentlemen:

Enclosed for your consideration and approval are the following:

- (1) Two copies of Application For Permit To Drill.
- (2) Two copies of location plat.
- (3) Check in the amount of \$25.00 covering Permit Fee.

If this Application meets with your approval, please forward Permit to the above address, Attention: District Production Manager.

Yours very truly,


M. I. Taylor

Enclosures
DEH:dch



A DIVISION OF GULF OIL CORPORATION

499

499

Gulf Oil Company - U.S.

EXPLORATION AND PRODUCTION DEPARTMENT
ROSWELL DISTRICT

T. W. Kidd
DISTRICT MANAGER
M. I. Taylor
DISTRICT PRODUCTION
MANAGER
P. E. Wyche
DISTRICT EXPLORATION
MANAGER
H. A. Rankin
DISTRICT SERVICES MANAGER

May 26, 1969

P. O. Drawer 1938
Roswell, New Mexico 88201

U. S. Geological Survey
Post Office Box 959
Farmington, New Mexico 87401

Re: Application For Permit To Drill
Navajo (Texaco) No. 1
Apache County, Arizona

Gentlemen:

Enclosed for your consideration and approval are three copies of
Application for Permit to Drill with three copies of location plat for well.

By carbon copy of this letter, we are furnishing the Navajo Indian
Tribe copies of the above enclosures.

If this Application meets with your approval, please forward to the
above address, Attention: District Production Manager.

Yours very truly,

M. I. Taylor
M. I. Taylor

Enclosures
BEH:cdh

cc: Navajo Area Office
Bureau of Indian Affairs
Window Rock, Arizona 86515
(w/Attachments)

State of Arizona
Oil and Gas Conservation Commission
1624 West Adams, Room 202
Phoenix, Arizona 85007



A DIVISION OF GULF OIL CORPORATION