

CONFIDENTIAL

Release Date 12-27-69

P-W

GULF #1 NAVAJO-^{SW} SW-SW 500
Sec. 36-4N-7W APACHE COUNTY

sl

COUNTY Apache AREA 22 mi NW/Fort Defiance LEASE NO. 14-20-0603-1797

WELL NAME Gulf #1 Navajo-~~SW~~

LOCATION SW SW SEC 36 TWP 4N RANGE 7W FOOTAGE 860' FSL 860' FWL

ELEV 7558' GR 7568' KB SPUD DATE 6-17-69 STATUS PWA COMP. DATE 6-27-69 TOTAL DEPTH 2032'

CONTRACTOR Circle A. Drilling Company

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH	DRILLED BY ROTARY	<input checked="" type="checkbox"/>
8 5/8"	308'	250 SKS	NA	DRILLED BY CABLE TOOL	
				PRODUCTIVE RESERVOIR	
				INITIAL PRODUCTION	

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
DeChelly	30'	X	x	Non-flammable gas in Elbert McCracken test
Organ Rock	830'			
Hermosa	1535'			
Elbert	1720'			
McCracken	1835'			
Aneth	1965'			
Pre-Cambrian	2000-TD			

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG <u>Am Strat</u>
IES; FDC-GR/BSL-AMP	NA	NA	SAMPLE DESCRP. <u>4 corners</u>
			SAMPLE NO. <u>1575</u>
			CORE ANALYSIS
			DSTs <u>2</u>

REMARKS _____

APP. TO PLUG _____

PLUGGING REP.

COMP. REPORT

WATER WELL ACCEPTED BY _____

BOND CO. Federal Insurance Company BOND NO. _____

BOND AMT. \$ 25,000 CANCELLED _____ DATE _____

FILING RECEIPT 9582 LOC. PLAT WELL BOOK PLAT BOOK

API NO. 02-001-20101 DATE ISSUED 5-29-69 DEDICATION W/2 SW/4

PERMIT NUMBER 500

(over)

CONFIDENTIAL
Release Date 12-27-69

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 14-20-0603-1797		Well Number 1	Field & Reservoir Wildcat
Location 860' FS & WL		County Apache	
Sec. TWP-Range or Block & Survey Section 36, 4-N, 7-W			
Date spudded 6-17-69	Date total depth reached 6-25-69	Date completed, ready to produce Dry	Elevation (DF, RKB, RT or Gr.) feet 7558' Gr.
Total depth 2032'	P.B.T.D. P & A	Single, dual or triple completion? --	Elevation of casing hd. flange feet --
Producing interval (s) for this completion None		Rotary tools used (interval) 0 2032'	Cable tools used (interval) --
Was this well directionally drilled? No	Was directional survey made? No	Was copy of directional survey filed?	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"	21#	308'	250 Sacks (Circulated)	

TUBING RECORD

LINER RECORD

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

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & type	Depth Interval	Amt. & kind of material used	Depth Interval

INITIAL PRODUCTION

Date of first production		Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump:)				
Date of test	Hrs. tested	Choke size	Oil prod. during test bbla.	Gas prod. during test MCF	Water prod. during test bbla.	Oil gravity ° API (Corr)
Tubing pressure	Casing pressure	Cal'ed rate of Production per 24 hrs.	Oil bbla.	Gas MCF	Water bbla.	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.

July 7, 1969
Date

M. I. Taylor
Signature

M. I. TAYLOR, District Production Manager

Permit No. **500**

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Well Completion or Recompletion Report and Well Log
File One Copy

Form No. 4

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
DeChelly	30'	830'	Sandstone, medium to coarse grained, rounded to subangular, poorly cemented, porous.
Organ Rock	830'	1,535'	Siltstone, red, micaceous, becoming calcareous. from 1350 to 1535', slight porosity.
Hermosa	1,535'	1,720'	Limestone, sandstone, and shale. Slight trace of porosity.
Elbert	1,720'	1,835'	Dolomite, fine to medium crystalline, white to purple, sandy, shaly, trace of porosity.
McCracken	1,835'	1,965'	Sandstone, shale and dolomite. Sandstone medium to coarse grained, rounded to subrounded with some regenerated crystal faces evident, some poor porosity. Shale, red, purple, green, sandy. DST #1 - 1806-1930', Tool open 140 min., nonflammable gas to surface 95 min. TSTM. FP 13-145#, 60" ISIP 527, 60" FSIP 474, recovered 297' drilling fluid.
Aneth	1,965'	2,000'	Dolomite fine to medium crystalline, white to purple, porous near base. DST #2 - 1930-2032', tool open 135 min., non-flammable gas to surface 20 min. TSTM, FP 79-92#, 60 min. ISIP 579, 60 min. FSIP 500, recovered 120' of drilling fluid.
Pre-Cambrian	2,000'	2,032'	Schist and metagranite. Non-porous.

* 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. 11-20-0603-1797		Well No. 1	Field & Reservoir Wildcat
Location of Well 860' FS & WL, Section 26, 4-N, 7-W			County 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 (bbls/day) _____ Gas (MCF/day) _____ Dry? Yes	
Date plugged: June 27, 1969	Total depth 2032'	Amount well producing when plugged: Oil (bbls/day) None	Gas (MCF/day) _____ Water (bbls/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			
PLEASE CONSIDER THIS INFORMATION CONFIDENTIAL			

CASING RECORD

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"	295'	None	295'		

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

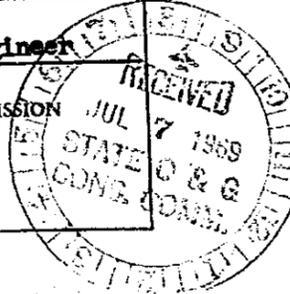
C. E. Mace
Signature

C. E. MACE, Area Petroleum Engineer

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

Permit No. **500**

Form No. 10



5

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 **860' FS & W, Section 36, 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.
11-20-0603-1797

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Navajo "BW"

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M. OR BLOCK AND SURVEY OR AREA
Sec 36, 4-N, 7-W

12. COUNTY OR PARISH
Apache

13. STATE
Arizona

14. PERMIT NO. _____ DATE ISSUED _____

15. DATE SPUNDED **6-17-69** 16. DATE T.D. REACHED **6-25-69** 17. DATE COMPL. (Ready to prod.) **P & A** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* **7528' Gr.** 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD **2032'** 21. PLUG, BACK T.D., MD & TVD **P & A** 22. IF MULTIPLE COMPL., HOW MANY* _____ 23. INTERVALS DRILLED BY _____ ROTARY TOOLS **0 - 2032'** CABLE TOOLS _____

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)* **None** 25. WAS DIRECTIONAL SURVEY MADE **No**

26. TYPE ELECTRIC AND OTHER LOGS RUN **IES, BHC-Sonic GR, 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 FILLED
8-5/8"	21 1/2	303'	12-1/4"	250 sacks (Circulated)	

LINER RECORD				TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
None							

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
INTERVAL (MD)	SIZE	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
None		None	

33. PRODUCTION
DATE FIRST PRODUCTION _____ PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) _____ WELL STATUS (Producing or shut-in) _____

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

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

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

35. LIST OF ATTACHMENTS

IES, BHC-Sonic GR, Formation Density (2 copies); Sample Log (1 copy)

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

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)

4 500

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: "Stages 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		38. GEOLOGIC MARKERS				
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Bechally	30'	830'	Sandstone medium to coarse grained, rounded to subangular, poorly cemented matrix, produces fresh water .5 miles to southeast of well location.	Bechally	30'	
McCracken	1,035'	1,965'	Sandstone, medium to coarse grained, rounded to subround with some regenerated crystal faces evident. LOG # - 1907-1930, tool open 140 min., measurable gas to surface 95 min. TOOL OFF 13-345, 60 min. ISIP 527, 60 min. PAIP 474, recovered 297' drilling fluid.	Organ Rock Hermann Elbert McCracken Amath Pre-Cambrian	830' 1535' 1720' 1835' 1965' 2000'	
			Dolomite fine to medium crystalline, white to purple, porous near base. LOG # - 1930-2022, tool open 135 min., measurable gas to surface in 20 min. TOOL OFF 79-92, 60 min. ISIP 579, 60 min. PAIP 500, recovered 180 feet of drilling fluid.			

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE
(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 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
860' FS & WL, Section 36, 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.
14-20-0603-1797

6. IF INDIAN ALLOTTEE OR TRIBE NAME _____

7. UNIT AGREEMENT NAME _____

8. FARM OR LEASE NAME
Navajo #BWN

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC. T., R., S. OR BLK. AND SURVEY OR AREA
Sec 36, 4-N, 7-W

12. COUNTY OF PARISH _____

13. STATE
Arizona

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT ON:	
TEST WATER SHUT-OFF	<input type="checkbox"/>	WATER SHUT-OFF	<input checked="" type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	FRACTURE TREATMENT	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	(Other)	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		
FULL OR ALTER CASING	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
CHANGE PLANS	<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 data, 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" hole at 4:30 AM, June 17, 1969. Drilled to 310'.
 Ran 9 joints, 295' of 8-5/8" 24# K-55 ST&C casing wet and cemented at 308' with 250 sacks of Class A cement with 2% Ca Cl2. Cement circulated. WOC 17 hours. Tested casing with 1400#, 30 minutes, OK.
 Started drilling 7-7/8" hole at 310' at 9:00 PM, June 18, 1969.

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

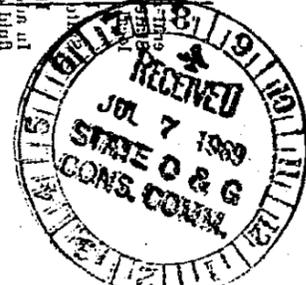
SIGNED _____ ORIGINAL SIGNED BY **C. E. MACE** TITLE **Area Petroleum Engineer** DATE **July 2, 1969**

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____

*See Instructions on Reverse Side



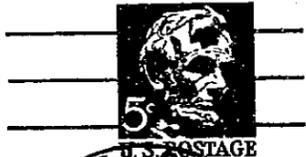
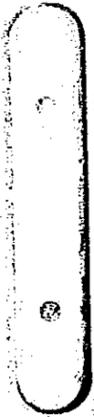
6 500

Samples from the Gulf Oil, #1 Navajo "BW"
Sec. 36-4N-7W
Apache Co. Ariz.

have been received by the Cut. Permit # 500.
These are Tite at present, but will be sent to
Arizona Agencies at a later date.

500

Jo Ratcliff



OIL & GAS CONSERVATION COMMISSION
STATE OF ARIZONA
1824 WEST ADAMS - SUITE 202
TELEPHONE: 271-5161
PHOENIX, ARIZONA, 85007



Telephone from Gulf (Tom Sumner)
#1 Nov 1797 6-26-69

Give verbal permission to Plugg. JRS

Tops: Ocean Rock --- 876
EPMAY 1536
(No Miss present)
Top Devonian (Elbert) 1720
Total Depth 2032

No Cores taken

Will get plugs @ base De Chelly;
top Penn;
top Devonian.

500

#500

X-CHRONO
X-LAMBERT

June 2, 1969

9:15 a.m.

Memo to File 500

From J. A. Lambert

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

Jack Cavanaugh, land man for Gulf Oil called this date. This particular lease is a sole-owned lease of Gulf's and a ~~Designation of Operator~~ is not applicable to this well. They are in a farm out with Texaco as pertains to lands in Section 25 and this 36 but this will apply to internal functions pertaining to working interests on ownership only and will not affect the operation of this well.

500

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 1995, Roswell, New Mexico 88201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
860' FROM Section 36-4E-7W, Navajo Special Meridian
 At proposed prod. zone
Within 600' of Surface

5. LEASE DESIGNATION AND SERIAL NO.
14-20-0603-1797

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Navajo "EW"

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R. M., OR BLK. AND SURVEY OR AREA
Sec. 36, T-4N, R-7W Navajo Special Merid.

12. COUNTY OR PARISH 13. STATE
Apache Arizona

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
22 Miles NW of Fort Defiance, Arizona 86504

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) **860'**

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 **2,500'**

20. ROTARY OR CABLE TOOLS **Rotary**

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
GR 7558'

22. APPROX. DATE WORK WILL START*
June 15, 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.

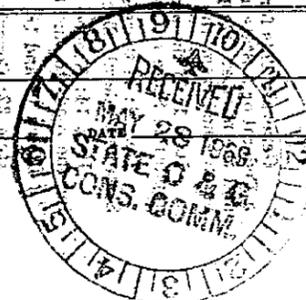
24. SIGNED M. Taylor TITLE District Production Manager DATE May 27, 1969

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____

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
City

New Mexico 88201
State

Address

Circle "A" Drilling Company

Drilling Contractor

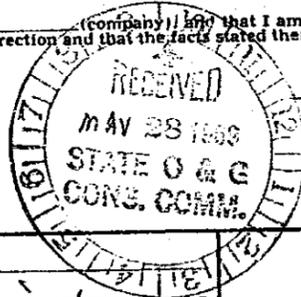
1110 Denver Club Building, Denver, Colorado 80202

Address

DESCRIPTION OF WELL AND LEASE

Federal, State or Indian Lease Number, or if fee lease, name of lessor 14-20-0603-1797	Well number and Name Navajo "BW" No. 1	Elevation (ground) 7558'
Nearest distance from proposed location to property or lease line: 860 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) 860' FS&WL	Section—township—range or block and survey 36, T-4N, R-7W	Dedication (Comply with Rule 105) 80 Acres
Field and reservoir (if wildcat, so state) Wildcat	County Apache	
Distance, in miles, and direction from nearest town or post office 22 Miles NW of Fort Defiance, Arizona 86504		
Proposed depth: 2,500'	Rotary or cable tools Rotary	Approx. date work will start June 15, 1969
Bond Status Blanket	Organization Report On file X Or attached	Filing Fee of \$25.00 Attached X
Amount \$25,000.00		
Remarks:		

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.



Signature

M. J. Taylor

Date

May 27, 1969

Permit Number: **500**

Approval Date: **5-29-69**

Approved By:

John Lannister

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.

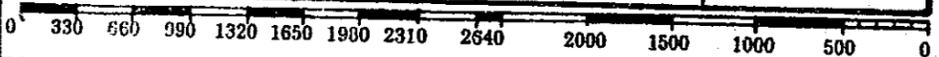
Form No. 3

(Complete Reverse Side)

- Operator shall outline the dedicated acreage for both oil and gas wells on the plat.
- 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.
- All distances shown on the plat must be from the outer boundaries of the Section.
- Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES _____ NO X
- 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
- 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%

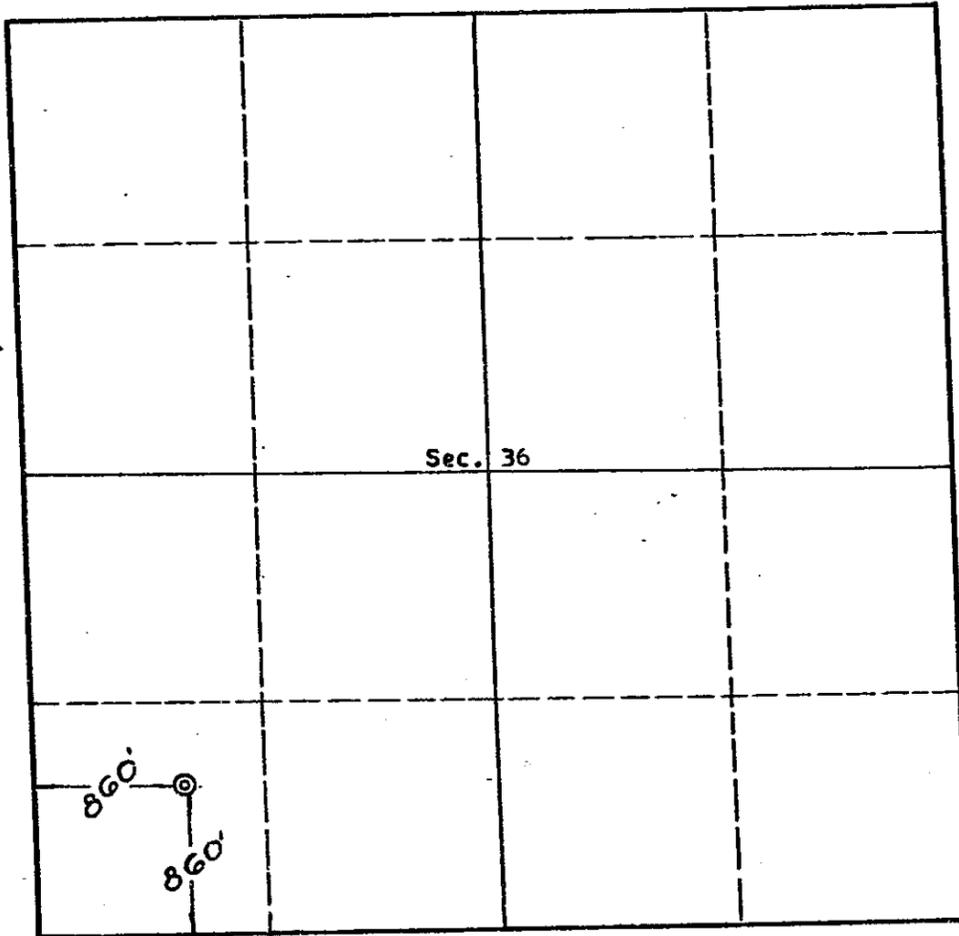
See Attachment				CERTIFICATION	
				I hereby certify that the information above is true and complete to the best of my knowledge and belief.	
				Name <u>M. J. Taylor</u>	
				Position <u>District Production Manager</u>	
				Company <u>Gulf Oil Corporation</u>	
				Date <u>May 27, 1969</u>	
				I hereby 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.	
				Date Surveyed _____	
				Registered Professional Engineer and/or Land Surveyor _____	
				Certificate No. _____	



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 "BW" Well No. 1
 Location 860 feet from the South line and 860 feet from the West line.
 Sec. 36, T. 4 N., R. 7 W., Navajo Special Meridian, Apache County, Arizona.
 Ground Elevation 7558



Surveyed May 19, 19 69

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 - U. S.
(OPERATOR)

to drill a well to be known as

Gulf Oil Company #1 Navajo 1797
(WELL NAME)

located 860' FSL - 860' FWL

Section 36 Township 4N Range 7W, 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 Lannister
EXECUTIVE SECRETARY

PERMIT N^o 500

RECEIPT NO. 9582
API NO. 02-001-20101

State of Arizona
Oil & Gas Conservation Commission
Permit to Drill

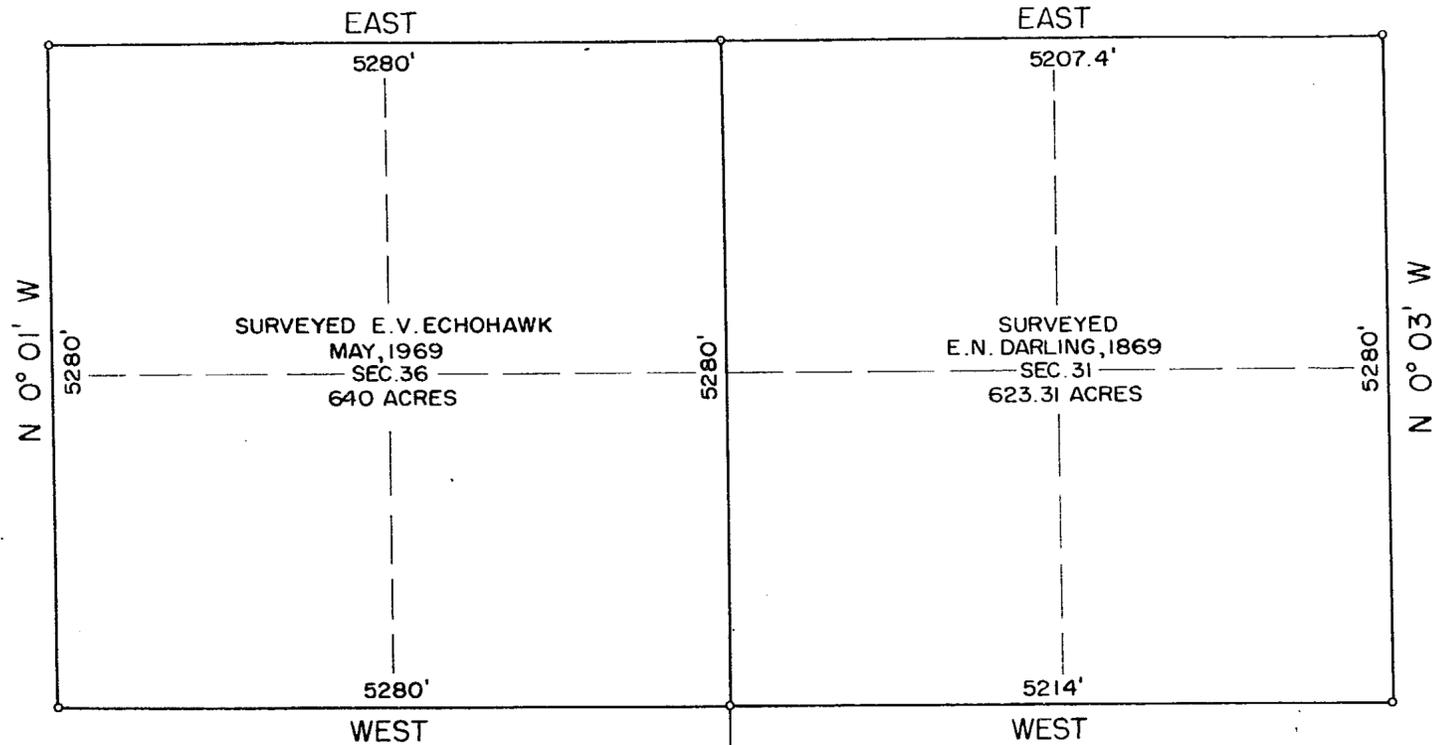
FORM NO. 27

SAMPLES ARE REQUIRED

R-7-W

R-6-W

T-4-N

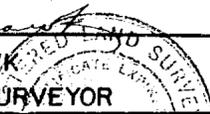


NAVAJO TRIBAL LEASE
 CONTRACT NO. 14-20-0603-1797,
 A TWO SECTION LEASE

THE HEREON SURVEY WAS MADE IN ACCORDANCE
 WITH THE PLAN OF SURVEY, ARIZONA PROTRACT-
 ION DIAGRAM NO. 46, BUREAU OF LAND MANAGE-
 MENT CADASTRAL ENGINEERING PROTRACTION
 DIAGRAM APPROVED FEBRUARY 11, 1960.

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

E. V. Echohawk
 ERNEST V. ECHOHAWK
 REGISTERED LAND SURVEYOR



N 0° 03' W

N 0° 01' W

95,040'
NORTH

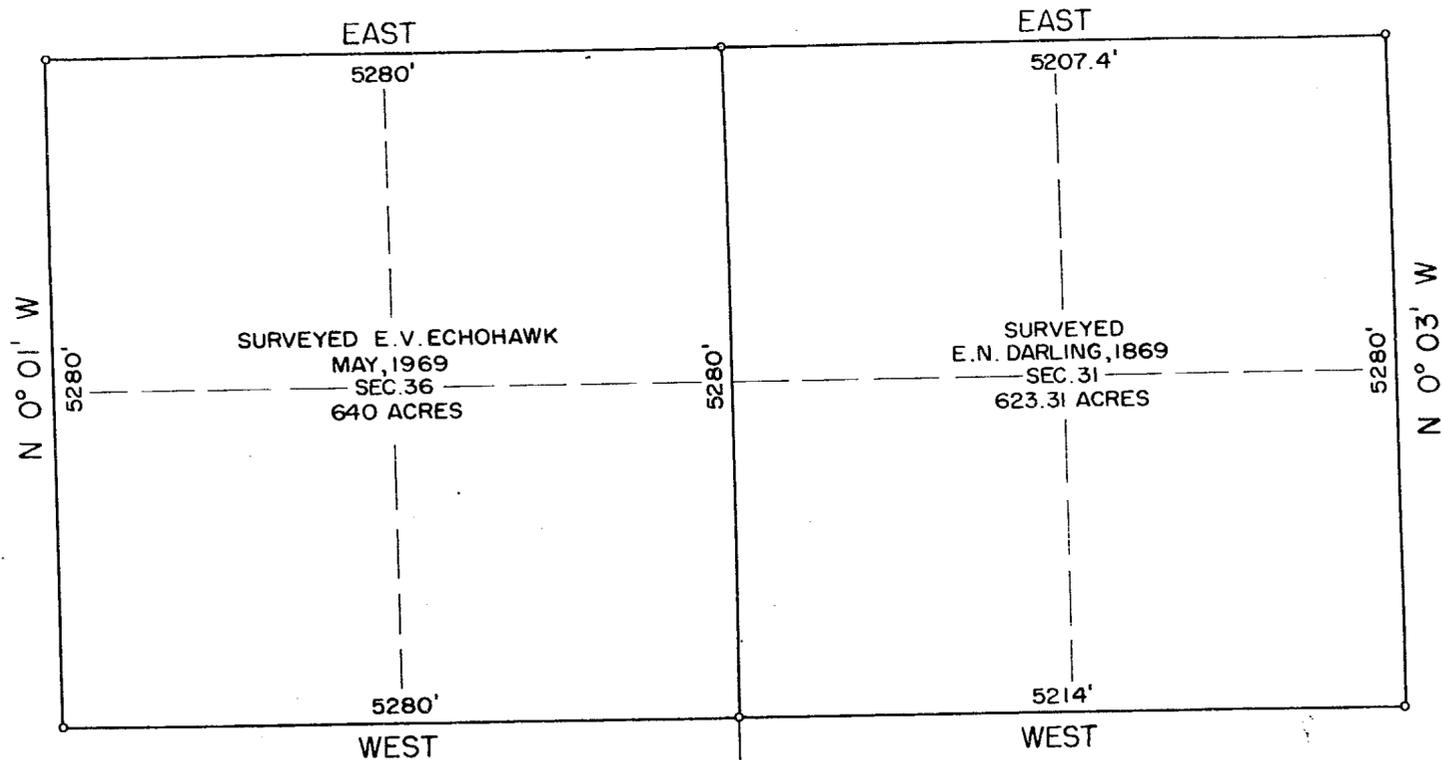
27,448.08'
WEST

ASTRONOMICAL STATION
 "OLD FORT",
 FORT DEFIANCE, ARIZONA
 RE-ESTABLISHED AS PER
 SURVEY NOTES, MAY 1969



R-7-W

R-6-W



NAVAJO TRIBAL LEASE
 CONTRACT NO. 14-20-0603-1797,
 A TWO SECTION LEASE

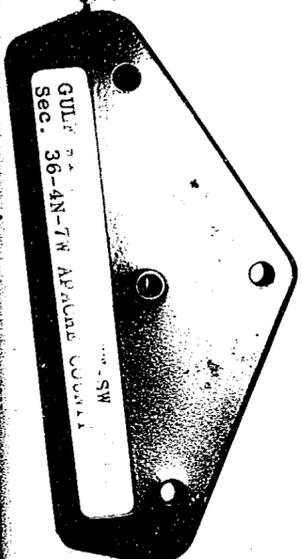
THIS SURVEY WAS MADE IN ACCORDANCE
 WITH THE SURVEY, ARIZONA PROTRACTOR
 NO. 1, BUREAU OF LAND MANAGEMENT,
 ENGINEERING PROTRACTOR
 FEBRUARY 11, 1960.

IT IS HEREBY CERTIFIED THAT THE HEREON PLAT WAS PREPARED
 FROM THE RECORDS OF ACTUAL SURVEY MADE BY ME OR
 BY OTHERS AND THAT THE SAME ARE TRUE
 TO THE BEST OF MY KNOWLEDGE AND BELIEF.

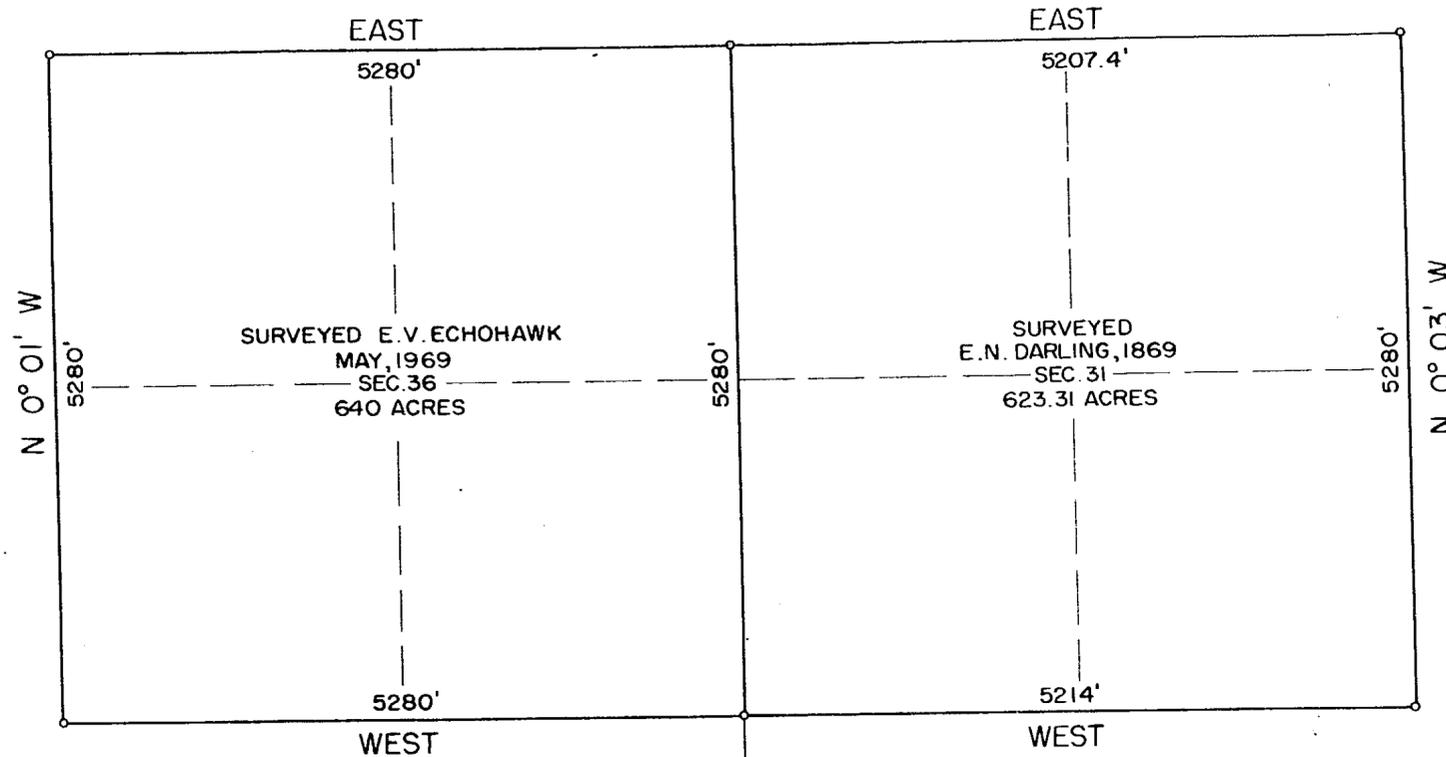
E. V. Echohawk
 SURVEYOR

ASTRONOMICAL STATION
 "OLD FORT",
 FORT DEFIANCE, ARIZONA
 RE-ESTABLISHED AS PER
 SURVEY NOTES, MAY 1969

Gulf Oil Company - U.S.
 AND PRODUCTION DEPARTMENT



T-4-N



NAVAJO TRIBAL LEASE
CONTRACT NO. 14-20-0603-1797,
A TWO SECTION LEASE

THE HEREON SURVEY WAS MADE IN ACCORDANCE
WITH THE PLAN OF SURVEY, ARIZONA PROTRAC-
TION DIAGRAM NO. 46, BUREAU OF LAND MANAGE-
MENT CADASTRAL ENGINEERING PROTRACTION
DIAGRAM APPROVED FEBRUARY 11, 1960.

THIS IS TO CERTIFY THAT THE HEREON PLAT WAS PREPARED
FROM FIELD NOTES OF ACTUAL SURVEY 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

95,040'
NORTH

27,448.08'
WEST

ASTRONOMICAL STATION
"OLD FORT",
FORT DEFIANCE, ARIZONA

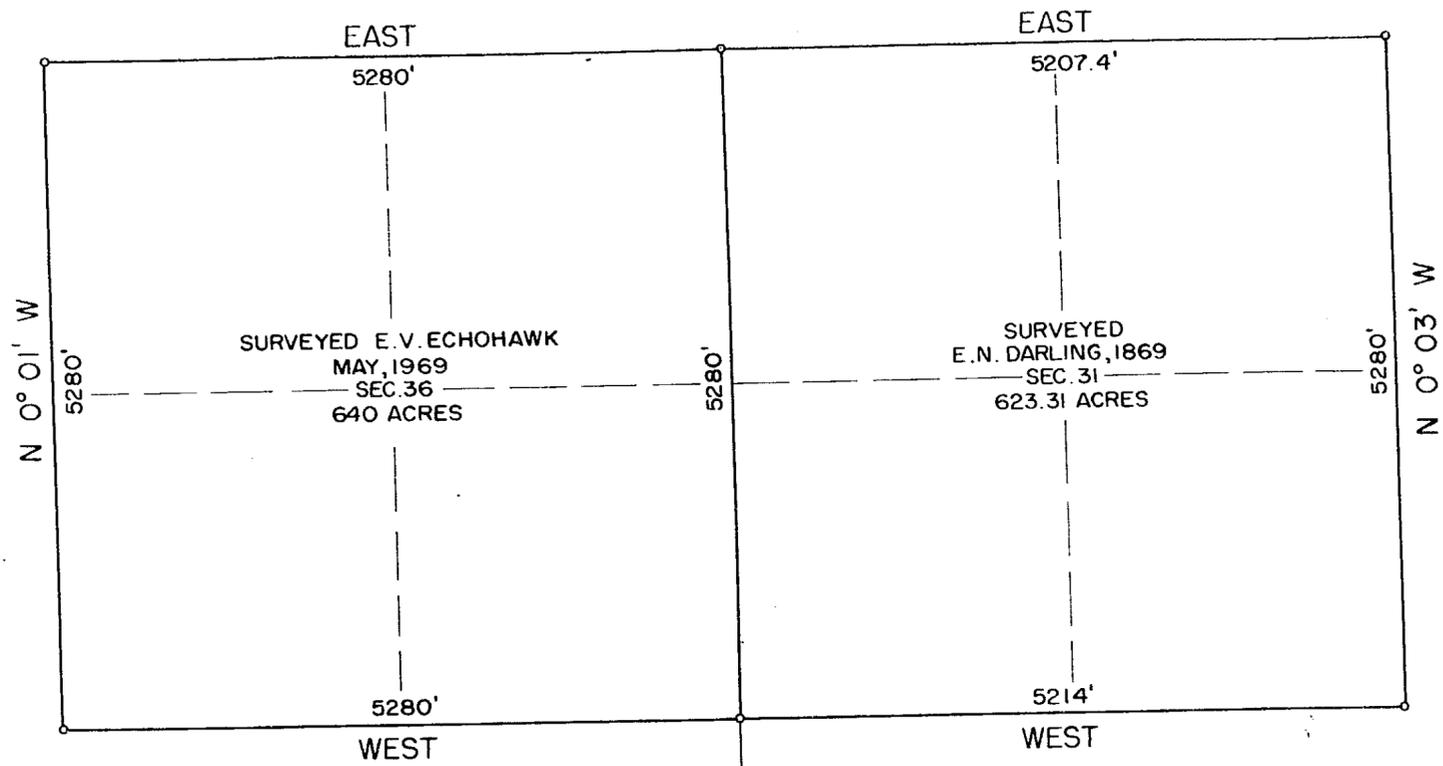
RE-ESTABLISHED AS PER
SURVEY NOTES, MAY 1969

GULF OIL CORPORAT

SURVEY OF ALL SECTION 36
R-7-W, NAVAJO SPECIAL MEF
APACHE COUNTY, ARIZONA

MAY, 1969

SCALE



NAVAJO TRIBAL LEASE
 CONTRACT NO. 14-20-0603-1797,
 A TWO SECTION LEASE

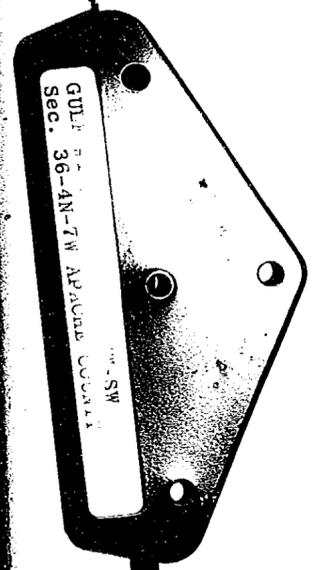
AS MADE IN ACCORDANCE
 SURVEY, ARIZONA PROTRAC-
 BUREAU OF LAND MANAGE-
 ENGINEERING PROTRACTION
 FEBRUARY 11, 1960.

AT THE HEREON PLAT WAS PREPARED
 ACTUAL SURVEY MADE BY ME OR
 AND THAT THE SAME ARE TRUE
 BEST OF MY KNOWLEDGE AND BELIEF.

E. V. Echohawk
 ERNEST V. ECHOHAWK
 REGISTERED LAND SURVEYOR
 ARIZONA REG. NO. 2311

ASTRONOMICAL STATION
 "OLD FORT",
 FORT DEFIANCE, ARIZONA
 RE-ESTABLISHED AS PER
 SURVEY NOTES, MAY 1969

GULF OIL CORPORATION	
SURVEY OF ALL SECTION 36 T-4-N, R-7-W, NAVAJO SPECIAL MERIDIAN, APACHE COUNTY, ARIZONA	
MAY, 1969	SCALE 1" = 1000'



Gulf Oil Company - U.S.
 AND PRODUCTION DEPARTMENT

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 X

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.

500 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.

500

X-Cheero
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, NSM
Sec. 11: SW/4 SW/4
Apache County
Permit #499 X

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.

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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.

500

X-Lambert
X-ehono

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 X

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

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.

500

X-CHLORO
X-LAMBERT

May 28, 1969

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

Re: Gulf #1 Navajo 1797
T4N, R7W, N8M
Sec. 36: SW/4 SW/4
Apache County
Permit #500

Dear Mr. Taylor:

Permit #500 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, Incorporated. 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, Incorporated.

Yours truly,

James A. Lambert
Administrative Assistant

JAL:jf

Enc.

500

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 27, 1969

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

Re: Application For Permit To Drill
Navajo "BW" 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

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 27, 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 "BW" 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.

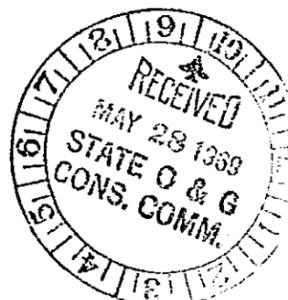
Yours very truly,


M. I. Taylor

Enclosures
DEH:dc

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

500