

Release Date 5-19-67

CONFIDENTIAL

P-W

TENNECO LK FT APACHE56 368  
NE SE 31-10N-21E Navajo County

sl

COUNTY Navajo AREA Mogollon Rim LEASE NO. Fort Apache  
14-20-0450-5924

WELL NAME TENNECO OIL #1X FT APACHE (twin to No. 1) <sup>#/and</sup> TD 825'

LOCATION NE SE SEC 31 TWP 10N RANGE 21E FOOTAGE 2090 FSL & 515 FEL

ELEV 6626 GR 6638 KB SPUD DATE 10-28-66 STATUS 11-19-66 TOTAL DEPTH 4059'  
COMP. DATE

CONTRACTOR Young Drilling Co., Farmington, N M

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH	DRILLED BY ROTARY	DRILLED BY CABLE TOOL	PRODUCTIVE RESERVOIR	INITIAL PRODUCTION
16"	46'	120 SKS	NA	<input checked="" type="checkbox"/>			
10 3/4	960'	200 SKS					Dry

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
Kaibab	222'		x	Am Strat differs
Coconino	344'			
Fort Apache	1364'			
Penn. Naco	2842'			
Devonian Miss	3514			
Devonian	3675			
Cambrian	3850			
Precambrian	4003			

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG
Sidewall Neutron Porosity			<u>Am Strat</u>
Comp. Formation Density			SAMPLE DESCRP. <u>Farm Cut</u>
Dual Induction Laterlog			SAMPLE NO. <u>1391*</u>
			CORE ANALYSIS
			DSTs
			*Tucson 2076

REMARKS Permit reissued from #1, Ft Apache 56 (See File)

APP. TO PLUG   
 PLUGGING REP.   
 COMP. REPORT

WATER WELL ACCEPTED BY Ft. Apache Indian Agency

BOND CO. U. S. Fidelity & Guaranty BOND NO. 68214-13-1361-66  
 DATE 10-20-66  
 BOND AMT. \$ 25,000 CANCELLED 1-29-68 ORGANIZATION REPORT 10-20-66  
 FILING RECEIPT 9465 LOC. PLAT  WELL BOOK  PLAT BOOK   
 API NO. 02-017-05119 DATE ISSUED 10-21-66 DEDICATION E/2 SE/4

PERMIT NUMBER 368

(over)

Release Date 5-19-67

**CONFIDENTIAL**

DRILL STEM TEST

NO.	FROM	TO	RESULTS
1	3620	3700	Rec. 1500' slt gc salt water (Inert gas: probably CO2 SIP 664-664#, FP 12-647#, HP 1629-1629# Open 15 min. shut in 1 hr; open 2 hrs, shut in 1 hr.

CORE RECORD

NO.	FROM	TO	RECOVERY	REMARKS

REMEDIAL HISTORY

DATE STARTED - COMPLETED	WORK PERFORMED	NEW PERFORATIONS

ADDITIONAL INFORMATION

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## 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 Tenneco Oil Company		Address Box 1714, Durango, Colorado	
Federal, State or Indian Lease Number or name of lessor if fee lease 14-20-0450-5924		Well Number 1-X	Field & Reservoir Wildcat
Location Fort Apache Tract 56		County Navajo	
Sec. TWP-Range or Block & Survey Sec. 31-T10N-R21E			
Date spudded 10-28-66	Date total depth reached 11-18-66	Date completed, ready to produce P.&A. 11-19-66	Elevation (DF, REB, RT or Gr.) 6626' GR feet
Total depth 4059'	P.B.T.D. ---	Single, dual or triple completion?	Elevation of casing hd. flange --- feet
Producing interval (s) for this completion Dry Hole		Rotary tools used (interval) 0-4059'	Cable tools used (interval) 0
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) Dual Ind. Laterlog; (GRN, GRD) Sidewall Neutron Porosity			Date filed Will be mailed at later date.

### 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
Csg.	13-3/4" Ream	26" 16"	65#	46'	120 sx.	None
Csg.	13-3/4"	10-3/4"	32#	960'	200 sx.	None

### TUBING RECORD

### LINER RECORD

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

### PERFORATION RECORD

### ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft. Well P.&A.	Size & type	Depth Interval	Am't. & kind of material used	Depth Interval
	Cement plug 3500-3850'	100 sx.	DST 3619-3699'	
	Cement plug 1200-1550'	100 sx.		
Welded plate on 10-3/4" csg. INITIAL PRODUCTION left as water well for Indian Tribe.				

Date of first production \_\_\_\_\_ Producing method (Indicate if flowing, gas lift or pumping—if pumping, show size & type of pump):  
Dry Hole

Date of test	Hrs. tested	Choke size	Oil prod. during test bbls.	Gas prod. during test MCF	Water prod. during test bbls.	Oil gravity ° API (Corr)

Tubing pressure	Casing pressure	Cal'ed rate of Production per 24 hrs.	Oil bbls.	Gas MCF	Water bbls.	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 Senior Production Clerk of the Tenneco Oil Company (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.

February 20, 1967  
Date

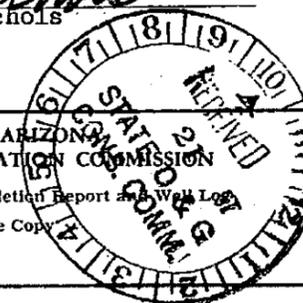
*Harold C. Nichols*  
Signature Harold C. Nichols

CONFIDENTIAL - Please do not release information until notified.

Permit No. 368

Form No. 4

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



**DETAIL OF FORMATIONS PENETRATED**

Formation	Top	Bottom	Description*
Perm. Kaibab	222'	344'	Limestone - fresh water.
Perm. Coconino	344'	664'	Sandstone - fresh water.
Perm. Fort Apache	1364'	1558'	Limestone - sandstone - anhydrite - fairly saline water.
Penn. Naco	2842'	3410'	Limestone - some porosity - not tested.
Miss. Redwall	3514'	3850'	Limestone - dolomite - sandstone. DST #1 3620-3700'. Recovered 1500' very slightly gas cut salt water (inert gas - probably CO <sub>2</sub> ). SIP 664-664# FP 12-647# HP. 1629-1629# Open 15" - SI 1 hour - open 2 hours - SI 1 hour.
Devonian Martin			

*7/4*  
*7/6*  
*8/27*

\* 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.

368  
ARIZONA  
NAVAJO CO.  
WILDCAT (W)



Petroleum Information Corp.  
Denver, Colorado  
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Twp 10n-21e  
Section 31  
ne se  
2040 n/s 515 w/e

OPR: Tenneco Oil  
ELEV: 6626 Gr  
TOPS: Log-Sample

DSTS. & CORES:

4400 preCambrian test.

Contr: Young

WELL #: 1 Ft Apache-Tr 56

SPUD: COMPL: 10-31-66  
TD: 852 (Lost hole)  
CSG:

PERF:

PROD. ZONE:

INIT. PROD: D&A

(CARD WILL BE RE-ISSUED WHEN DATA AVAILABLE)

ARIZ3-669211

368

ARIZONA  
NAVAJO CO.  
WILDCAT (W)



Petroleum Information Corp.  
Denver, Colorado  
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Twp 10n-21e  
Section 31  
ne se  
2090 n/s 515 w/e

OPR: Tenneco Oil

WELL #: 1-X Ft Apache Tract 56

ELEV:  
TOPS: Log-Sample

DSTS. & CORES:

4400 preCambrian test.

SPUD: COMPL: 11-19-66  
TD: 4059 (in Granite)  
CSG:

PERF:

PROD. ZONE:

INIT. PROD: D&A

Contr: Young

(CARD WILL BE RE-ISSUED WHEN DATA AVAILABLE)

ARIZ5-669211

Form 3-331  
(May 1963)

UNITED STATES DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIP DATE  
(Other instruction on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

D. LEASE DESIGNATION AND SERIAL NO.  
14-20-0450-5924  
E. IF INDIAN, ALLOTTEE OR TRIBE NAME  
Fort Apache  
F. UNIT AGREEMENT NAME  
G. FARM OR LEASE NAME  
Fort Apache Tract 56  
H. WELL NO.  
1-X  
I. FIELD AND POOL, OR WILDCAT  
Wildcat  
J. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 31-T10N-R21E  
K. COUNTY OR PARISH  
Navajo  
L. STATE  
Arizona

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 Wildcat  
2. NAME OF OPERATOR  
Tenneco Oil Company  
3. ADDRESS OF OPERATOR  
Box 1714, Durango, Colorado  
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)  
At surface  
2090' FSL 515' FEL  
14. PERMIT NO.  
368  
15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
6626' GR

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"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <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.)\*

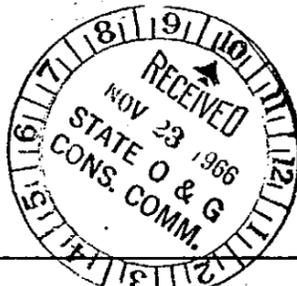
P&A well as follows: Set cement plug 3500-3850' w/ 100 sx. Plug at 1200-1550' w/ 100 sx. Welded plate on 10-3/4" casing. (P&A 11-19-66) 10-3/4" casing left intact in order to leave fresh water well at 1130'. T.D. 4059'

Note: At request of Indian tribe, above well was not plugged at surface but was left for them as a water well. Mr. Phil McGrath was contacted about this by telephone.

Confidential - Please do not release information until notified.

CONFIDENTIAL

Release Date \_\_\_\_\_



18. I hereby certify that the foregoing is true and correct  
SIGNED Harold C. Nichols TITLE Senior Production Clerk DATE 11-22-66  
Harold C. Nichols  
(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

4-USGS  
2-AOCC  
1-File

\*See Instructions on Reverse Side

OK  
Plugging Record

Vertical text stamp: RECEIVED NOV 23 1966 STATE O & G CONS. COMM.

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 Wildcat

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

2. NAME OF OPERATOR: Tenneco Oil Company

3. ADDRESS OF OPERATOR: Box 1714, Durango, Colorado

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface: 2090' FSL 515' FEL  
At top prod. interval reported below:  
At total depth:

5. LEASE DESIGNATION AND SERIAL NO.: 14-20-0450-5924

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Fort Apache

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Fort Apache Tract 56

9. WELL NO.: 1-X

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 31-T10N-R21E

12. COUNTY OR PARISH: Navajo

13. STATE: Arizona

14. PERMIT NO.: 368 DATE ISSUED: 10-21-66

15. DATE SPUNDED: 10-28-66 16. DATE T.D. REACHED: 11-18-66 17. DATE COMPL. (Ready to prod.): P.S.A. 11-19-66 18. ELEVATIONS (DF, REB, RT, GR, ETC.):\* 6626' GR 19. ELEV. CASINGHEAD: ---

20. TOTAL DEPTH, MD & TVD: 4099' 21. PLUG, BACK T.D., MD & TVD: --- 22. IF MULTIPLE COMPL., HOW MANY\*: --- 23. INTERVALS DRILLED BY: --- ROTARY TOOLS: 0-4099' CABLE TOOLS: 0

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\*: Dry Hole

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: Dual Ind. Laterlog, GRN, GRD, Sidewall Neutron Porosity

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
16"	65#	46'	13-3/4" 26"	120 ex.	None
10-3/4"	32#	960'	13-3/4"	200 ex.	None

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
	<u>Dry Hole</u>	

31. PERFORATION RECORD (Interval, size and number)  
Well P.S.A.  
Cement plug 3500-3850' 100 ex.  
Cement plug 1200-1550' 100 ex.  
DST 3619-3699'.  
Welded plate on 10-3/4" casing. Left as water well for Indian Tribe.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
<u>Dry Hole</u>	

33. PRODUCTION

DATE FIRST PRODUCTION: Dry Hole PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump): Dry Hole WELL STATUS (Producing or shut-in): Dry Hole

DATE OF TEST	HOURS TESTED	CHOKER 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.): Dry Hole

**CONFIDENTIAL**

35. LIST OF ATTACHMENTS: Logs will be mailed at a later date.

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

SIGNED: Harold C. Nichols TITLE: Senior Production Clerk DATE: 1-24-67

1-File  
3-U.S.G.S.-Flagstaff  
2-Arizona O.I.G.C.C.-Phoenix, Ariz.

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

**CONFIDENTIAL** Please do not release information until notified.

# 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 29, 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 33.

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

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

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

FORMATION		GEOLOGIC MARKERS	
TOP	BOTTOM	NAME	MEAS. DEPTH
Penn. Malibab 222'	344'	Permian	222'
Penn. Cocomino 344'	664'	Malibab	344'
Penn. Ft. Apache 1354'	1590'	Cocomino	664'
	3410'	Supai-Corduroy Member	1354'
	2842'	Ft. Apache Member	2842'
	3514'	Pennsylvanian	3410'
		Masso	
		Moles	
		Mississippian	
		Redwall	
		Devonian	
		Martin	
		Cambrian	
		Flagstaff	
		Pre-Cambrian	

**Item 33:** 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, FLOWING AND SHUT-IN PRESSURES, AND DISCOVERIES

DESCRIPTION, CONTENTS, ETC.

Limestones, fresh water  
Sandstone, fresh water  
Limestones, sandstone, anhydrite, fairly saline water  
Limestones, some porosity, not tested  
Limestones, dolomite, sandstone  
Net 21 3520-3700'. Recovered 1500' v. sli. gas cut salt water (Inert gas - probably CO<sub>2</sub>). SIP 654-664', FF 12-647', IF 1629-1629'. Open 15", shut in 1 hr., open 2 hrs., shut in 1 hr.



4.  
TO: Oil and Gas Conservation Commission  
State of Arizona  
1624 West Adams, Room 202  
Phoenix, Arizona 85007

This is to advise you that I accept the abandoned wildcat well, known as the Fort Apache Tract 56

located on the 1/4-1/4 of Section 31 Township 10N  
Range 21E, County of Navajo, Arizona, as  
a water well to be used for domestic purposes.

Further, I accept full responsibility for the proper maintenance and use of the above well, including final plugging, in full compliance with the Rules and Regulations adopted by the Oil and Gas Conservation Commission.

I understand that I am responsible for compliance with the applicable provisions of the State Water Code, Chapter 1, Title 45, Arizona Revised Statutes and with any applicable requirements of U.S. Geological Survey.

Signature Robert E. Robinson  
Robert E. Robinson, Superintendent  
Street Fort Apache Indian Agency  
City and State Whiteriver, Arizona 85941

STATE OF Arizona

COUNTY OF Navajo

On this, the 2nd day of December, 1966, before me,  
Eileen G. Rolfe, the undersigned officer, personally appeared Robert E. Robinson, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument and acknowledged that  
he executed the same for the purpose therein contained.

In witness whereof I hereunto set my hand and official seal.

Notary Public Eileen G. Rolfe

My Commission expires May 2, 1969



Permit No. 368

State of Arizona  
Oil & Gas Conservation Commission  
WATER WELL ACCEPTANCE  
Form 26 - File one copy

6 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 Wildcat
2. NAME OF OPERATOR Tenneco Oil Company
3. ADDRESS OF OPERATOR Box 1714, Durango, Colorado
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 2090' FSL 515' FEL
14. PERMIT NO. 368
15. ELEVATIONS (Show whether DV, RT, GR, etc.) 6626' GR
6. LEASE DESIGNATION AND SERIAL NO. 14-20-0450-5924
7. UNIT AGREEMENT NAME Fort Apache
8. FARM OR LEASE NAME Fort Apache Tract 56
9. WELL NO. 1-X
10. FIELD AND POOL, OR WILDCAT Wildcat
11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA Sec. 31-T10N-R21E
12. COUNTY OR PARISH Navajo
13. STATE Arizona

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data
NOTICE OF INTENTION TO: TEST WATER SHUT-OFF [ ], FRACTURE TREAT [ ], SHOOT OR ACIDISE [ ], REPAIR WELL (Other) [ ]
PULL OR ALTER CASING [ ], MULTIPLE COMPLET [ ], ABANDON\* [X], CHANGE PLANS P&A [X]
SUBSEQUENT REPORT OF: WATER SHUT-OFF [ ], FRACTURE TREATMENT [ ], SHOOTING OR ACIDISING (Other) [ ]
REPAIRING WELL [ ], ALTERING CASING [ ], ABANDONMENT\* [ ]
(Notes: 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.)
We plan to P&A well as follows: Set cement plug 3500-3850' w/ 100' sx. Plug at 1200-1550' w/ 100' sx. Welded plate on 10-3/4" casing. P&A 11-19-66. 10-3/4" casing left intact in order to leave fresh water well at 1130' T.D. 4059'

OK JSL

Note: At request of Indian tribe, above well was not plugged at surface but was left for them as a water well. Mr. Phil McGrath was contacted about this by telephone.

Confidential - Please do not release information until notified.

18. I hereby certify that the foregoing is true and correct.
SIGNED Harold C. Nichols Senior Production Clerk DATE 11-22-66
(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_
CONDITIONS OF APPROVAL, IF ANY:

- 4-USGS
2-AOCC
1-File

\*See Instructions on Reverse Side

Vertical text on the right side of the page, possibly bleed-through or a stamp, containing various numbers and words like '11-22-66' and 'Senior Production Clerk'.

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Tenneco Oil Company, P. O. Box 1714, Durango, Colorado 81301

2. OIL WELL  GAS WELL  OTHER  (Specify) Wildcat Oil Well

3. Well Name Fort Apache Tract 56 Well No. 1-X

Location 2090 FSL 515 FEL

Sec. 31 Twp. 10-N Rge. 21-E County Navajo Arizona.

4. Federal, State or Indian Lease Number, or lessor's name if fee lease Federal - 14-20-0450-5924

5. Field or Pool Name Wildcat

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input checked="" type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) <input type="checkbox"/>	ABANDONMENT <input type="checkbox"/>

Elevation 6626 GR

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

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

Spud 10/28/66. Drilled to 46'. Ran 16" 65# conductor casing set at 46' w/120 sacks cement. Cement circulated. WOC. Drilled to 960'. Ran 10-3/4" 32# casing set at 960' w/200 sacks cement. WOC. Drilled out cement and drilled to 3646' now drilling ahead.



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

Signed Harold C. Nichols Title Senior Production Clerk November 18, 1966

**CONFIDENTIAL**

Release Date Please hold until notified.

Permit No. 368

STATE OF ARIZONA  
OIL & GAS CONSERVATION COMMISSION  
Sundry Notices and Reports On Wells  
File Two Copies  
Form No. 25

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, PLUG BACK, OR RE-ENTER**

APPLICATION TO DRILL  DEEPEN  PLUG BACK  RE-ENTER OLD WELL

NAME OF COMPANY OR OPERATOR

DATE November 1, 1966

Tenneco Oil Company

Address

City

State

P. O. Box 1714

Durango

Colorado 81301

DESCRIPTION OF WELL AND LEASE

Federal, State or Indian Lease Number or name of lessor, if fee lease	Well number	Elevation (ground)
Fort Apache Tract No. 56	1X	6626' GR
Well location and acreage dedicated to the well (give footage from section lines) Section—township—range or block & survey		
2090' ESL, 515' FEL (E/2SE/4) Section 31, T-10-N, R-21-E		
Field & reservoir (if wildcat, so state)	County	
Wildcat	Navajo	

Distance, in miles, and direction from nearest town or post office

Nearest distance from proposed location to property or lease line:	Distance from proposed location to nearest drilling completed or applied—for well on the same lease:
515 feet	None - Wildcat feet

Proposed depth:	Rotary or cable tools	Approx. date work will start
4600'	Rotary	October 25, 1966

Number of acres in lease:	Number of wells on lease, including this well, completed in or drilling to this reservoir:
2562	None

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

Status and amount of bond	Organization Report	Filing Fee of \$25.00
In Force	On file Or attached <i>on file</i>	Attached <i>Not Needed</i>

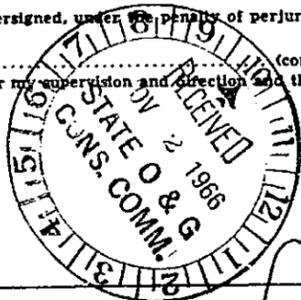
Remarks: (If this is an application to deepen or plug back, briefly describe work to be done, giving present producing zone and expected new producing zone)

We plan to drill to approximate T.D. 4600'. Run GRD, GRN and Dual Induction Later-logs. Run casing as shown on reverse side - WOC. Complete as single oil well if productive. Install lift equipment and conduct potential tests.

Note: Well No. 1 plugged and abandoned 10-28-66. Rig skidded 50' North of old location and well 1X spudded.

\*Fill in Proposed Casing Program on reverse side

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the.....Senior Production Clerk.....of the Tenneco Oil.....(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.



*Harold C. Nichols*  
Signature Harold C. Nichols

Date November 1, 1966

Permit Number: 368  
Approval Date: October 21, 1966  
Approved By: John Bannister

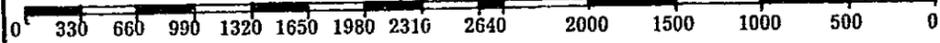
Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.  
See Instruction on Reverse Side of Form

STATE OF ARIZONA  
OIL & GAS CONSERVATION COMMISSION  
Application to Drill, Deepen or Plug Back and Plat  
File Two Copies

Form No. 3

- 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
- If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES  NO  If answer is "yes," Type of Consolidation \_\_\_\_\_
- If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description
SEE ATTACHED PLAT	<p style="text-align: center;"><b>CERTIFICATION</b></p> <p>I hereby certify that the information above is true and complete to the best of my knowledge and belief.</p> <p>Name _____</p> <p>Position _____</p> <p>Company _____</p> <p>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 _____</p> <p>Registered Professional Engineer and/or Land Surveyor _____</p> <p>Certificate No. _____</p>



**PROPOSED CASING PROGRAM**

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
16"	65#	J-55	0	42'	Cement to surface.	
10-3/4"	32#	J-55	0	1100'	Cement w/volume to bring level up to	
					Lost circulation zone at approx. 600'.	
4-1/2"	10.5#	J-55	0	4600'	Cement w/volume to bring top of cement	
					200' above per most productive zone.	

10



# PERMIT TO DRILL

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

To: TENNECO OIL COMPANY  
(OPERATOR)

to drill a well to be known as

TENNECO OIL #1X FORT APACHE 56  
(WELL NAME)

located 2090' FSL and 515' FEL (NE/4SE/4)

Section 31 Township 10N Range 21E, NAVAJO County, Arizona.

The E/2SE/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 21st day of October, 19 66.

OIL AND GAS CONSERVATION COMMISSION

By John Gannister  
EXECUTIVE SECRETARY

PERMIT **Nº 368**

RECEIPT NO. **9465**

State of Arizona  
Oil & Gas Conservation Commission  
Permit to Drill

FORM NO. 27

*Permit reallocated from #1 well re Rule 103  
reissued 11-A-66 JB*

9

COMPANY TENNECO OIL COMPANY

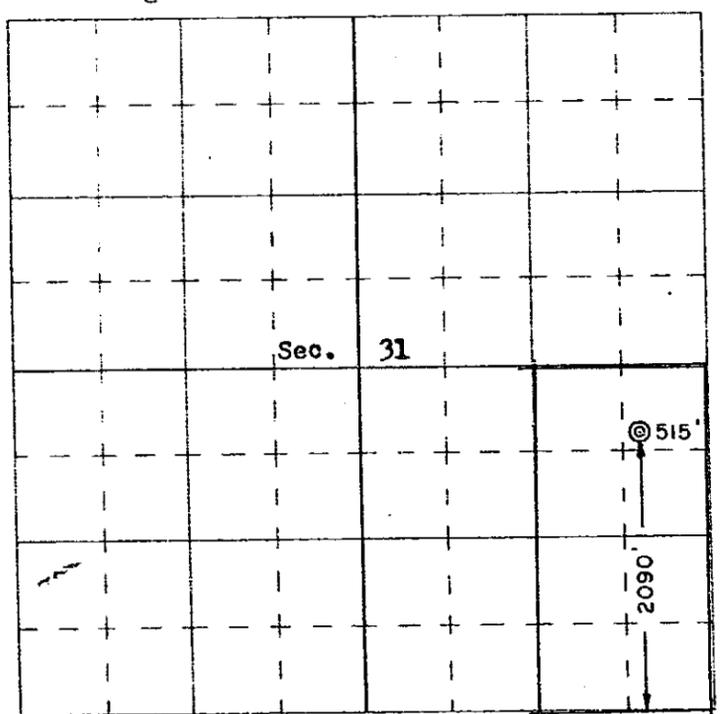
Well Name & No. FORT APACHE TRACT NO. 56, Well No. 1X Lease No. \_\_\_\_\_

Location 2090' FROM THE SOUTH LINE & 515' FROM THE EAST LINE

Being in NE SE

Sec. 31, T 10 N., R 21 E, G & S R M, Navajo County, Arizona

Ground Elevation 6626' ungraded



Scale -- 4 inches equals 1 mile

Surveyed 10 October 1966, 19\_\_\_\_

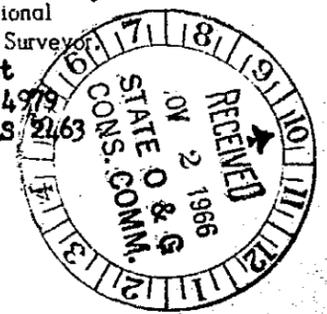
This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Seal:  
  
Ernst Engineering Co.  
Durango, Colorado



*Robert H. Ernst*

Registered Professional  
Engineer and Land Surveyor  
Robert H. Ernst  
Colo. PE & LS 4979  
N. Mex. PE & LS 2263



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: Tenneco Oil Company; Address: P. O. Box 1714, Durango, Colorado 81301

Lease Name: Fort Apache Tract 56; Well Number: 1; Field & Reservoir: Wildcat

Location: 2040 FSL 515 FEL Section 31, T-10-N, R-21-E

County: Navajo; Permit number: 368; Date Issued: ; Previous permit number: ; Date Issued:

Date spudded: 10-24-66; Date total depth reached: 10/27/66; Date completed, ready to produce: P&A 10/28/66; Elevation (DF, RKB, RT or Gr.): 6626 GR feet; Elevation of casing hd. flange: 6626 feet

Total depth: 825; P.B.T.D.: P&A; Single, dual or triple completion?: P&A; If this is a dual or triple completion, furnish separate report for each completion.

Producing interval (s) for this completion: Dry Hole; Rotary tools used (interval): 0-825; Cable tools used (interval): 0

Was this well directionally drilled?: No; Was directional survey made?: No; Was copy of directional survey filed?: No; Date filed: Dry Hole

Type of electrical or other logs run (check logs filed with the commission): GR Ind. GR Neutron, GR Density; Date filed: 11-2-66

CASING RECORD

Table with 7 columns: Purpose, Size hole drilled, Size casing set, Weight (lb./ft.), Depth set, Sacks cement, Amt. pulled. Row 1: Surf. Csg, 12-1/4, 8-5/8, 24#, 245, 250 sx, None

TUBING RECORD

LINER RECORD

Table with 8 columns: Size, Depth set, Packer set at, Size, Top, Bottom, Sacks cement, Screen (ft.). Row 1: None in., ft., ft., in., None ft., ft., ,

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Table with 4 columns: Number per ft., Size & type, Depth Interval, Am't. & kind of material used, Depth Interval. Row 1: None, P&A, None, P&A

INITIAL PRODUCTION

Date of first production: P&A; Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump): Dry Hole

Date of test: None; Hrs. tested: ; Choke size: ; Oil prod. during test: bbls.; Gas prod. during test: MCF; Water prod. during test: bbls.

Tubing pressure: ; Casing pressure: ; Cal'ed rate of Production per 24 hrs.: ; Oil: bbls.; Gas: MCF; Water: bbls.

Disposition of gas (state whether vented, used for fuel or sold): Well P&A

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Senior Production Clerk of the Tenneco Oil Company (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.

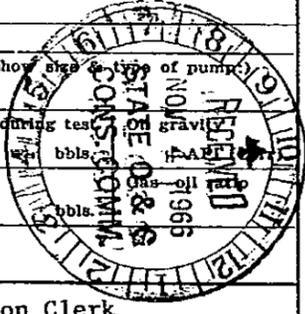
Note: Well P&A 10/28/66. Well 1-X to be drilled 50' North of this well

Date: November 2, 1966

Signature: Harold C. Nichols

368 CONFIDENTIAL Release Date

STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Well Completion or Recompletion Report and Well Log Form No. P-7 File two copies CONFIDENTIAL



13666 Intent to Plug & Plugging Record.

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.

6. LEASE DENOMINATION AND SERIAL NO.

14-20-0450-5924

8. IF INDIAN, ALLOTTEE OR TRIBE NAME

Fort Apache

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Fort Apache Tract #56

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 31-T10N-R21E

12. COUNTY OR PARISH

Navajo

13. STATE

Arizona

1. OIL WELL  GAS WELL  OTHER Wildcat P&A

2. NAME OF OPERATOR Tenneco Oil Company

3. ADDRESS OF OPERATOR Box 1714, Durango, Colorado

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

2040' FSL 515' FEL

16. PERMIT NO.

15. ELEVATIONS (Show whether SP, ST, OR, etc.)

6626' GR

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

Table with columns for 'NOTICE OF INTENTION TO:' and 'SUBSEQUENT REPORT OF:'. Includes categories like 'TEST WATER SHUT-OFF', 'WATER SHUT-OFF', 'REPAIRING WELL', etc. with checkboxes.

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 some pertinent to this work.)

P&A 10-26-66. Spot 100 sx. cement 722-602'. Top of Supai formation at 680'. Spot 90 sx. cement at 300'. Set 10 sx. cement plug at surface. W.O.C. Install dry hole marker and clean location.

Note: Rig to be skidded 50' north and the well #1-X drilled as original intention. Verbal approval obtained from Mr. Phil McGrath w/ U.S.G.S and Arizona Commission for plugging above well.

Note 8 5/8" 24# casing set at 245' with 250' and left in hole - none recovered. T.D 852. Plugged as shown above.



18. I hereby certify that the foregoing is true and correct. SIGNED Harold C. Nichols TITLE Senior Production Clerk DATE 11-1-66

APPROVED BY CONDITIONS OF APPROVAL, IF ANY: TITLE

3-USGS 1-File

\*See instructions on Reverse Side

#368

12 USES INTENT to Plug  
Form 9-331  
(May 1963)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPlicate  
(Other instructions  
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  Wildcat P&A

2. NAME OF OPERATOR  
Tenneco Oil Company

3. ADDRESS OF OPERATOR  
Box 1714, Durango, Colorado

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)  
At surface  
2040' FSL 515' FEL

14. PERMIT NO.

15. ELEVATIONS (Show whether SP, ST, GR, etc.)  
6626' GR

5. LEASE DESIGNATION AND SERIAL NO.  
14-20-0450-5924

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
Fort Apache

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Fort Apache Tract #56

9. WELL NO.  
1

10. FIELD AND POOL, OR WILDCAT  
Wildcat

11. SEC. T., R., M. OR BLK. AND SURVEY OR ABRA  
Sec. 31-T10N-R21E

12. COUNTY OR PARISH  
Navajo

13. STATE  
Arizona

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

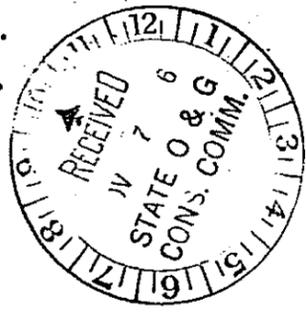
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	FRACTURE TREATMENT	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>
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 COMPLETS	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
ABANDON*	<input checked="" 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 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.)\*

We plan to plug and abandon as follows: P&A 10-26-66. Spot 100 sx. cement 722-602'. Top of Supai formation at 680'. Spot 90 sx. cement at 300'. Spot 10 sx. cement plug at surface. W.O.C. Install dry hole marker and clean location.

Note: Rig to be skidded 50' north and the well #1-X drilled as per original intention. Verbal approval obtained from Mr. Phil McGrath with U.S.G.S. and Arizona Commission for plugging above well.



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

SIGNED Harold C. Nichols Senior Production Clerk DATE 11-1-66

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

3-USGS  
1-File

\*See Instructions on Reverse Side

#368

RECEIVED NOV 17 1966 STATE O & G CONS. COMM.  
 RECEIVED NOV 7 6 STATE O & G CONS. COMM.  
 RECEIVED NOV 17 1966 STATE O & G CONS. COMM.

From the Desk of

Tel: 508-247-5494

JAMES R. SCURLOCK

Apache Tribal #56 (10-25-66)

Delphina Tenneco - Swamp  
(7th House). Drilling today @  
224 ft -

Agent: Mr. Michaelson  
MAXWELL Motel  
Showlow, Ariz.

# 368

10-26-66

Tenneco called. Drilling below 700 feet. Have  
lost circulation. ~~May~~ skid a few feet and  
spud again with larger hole. (Present hole  
is 7 7/8")

17

James B. Cooney

Box 268

Atty for Young Drilling Co.

Farmington

(505) 325-0258

10.31.66

Imp. on Mr. Howard Jones (Surveyor)

# 627 (Pay for road widened for

20 to 30 feet)

TD 960 350

to be 6626

Has to submit  
new application to drill  
new survey plat.

626

+ 627

11-1-66

Visited location: TD 960 running Csg (intermediate).

[Have skidded rig 50' north. Plugged old well  
but have not erected marker as yet]

marker in place at 46'

(check with  
Milt Bolder,  
Maxwell Mote,  
Shaw) )

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, PLUG BACK, OR RE-ENTER**

APPLICATION TO DRILL  DEEPEN  PLUG BACK  RE-ENTER OLD WELL

NAME OF COMPANY OR OPERATOR DATE October 17, 1966

Tenneco Oil Company  
 Address City Durango State Colorado 81301  
P. O. Box 1714

DESCRIPTION OF WELL AND LEASE

Federal, State or Indian Lease Number or name of lessor, if fee lease <u>Fort Apache Tract #56</u>	Well number <u>1</u>	Elevation (ground) <u>6626' GR</u>
Well location and acreage dedicated to the well (give footage from section lines) Section—township—range or block & survey <u>2040' FSL, 515' FEL, Section 31, T-10-N, R-21-E</u>		
Field & reservoir (If wildcat, so state) <u>Wildcat</u>	County <u>Navajo County, Arizona</u>	

Distance, in miles, and direction from nearest town or post office

Nearest distance from proposed location to property or lease line: <u>515</u> feet	Distance from proposed location to nearest drilling, completed or applied—for well on the same lease: <u>None</u> <u>Wildcat</u> feet
---	--

Proposed depth: <u>4400</u>	Rotary or cable tools <u>Rotary</u>	Approx. date work will start <u>October 20, 1966</u>
--------------------------------	--	---

Number of acres in lease: <u>2562</u>	Number of wells on lease, including this well, completed in or drilling to this reservoir: <u>None</u>
--	---

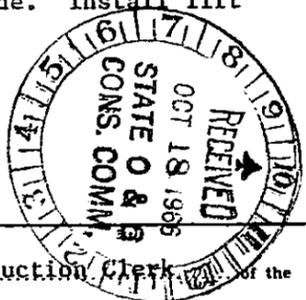
If lease, purchased with one or more wells drilled, from whom purchased:	Name	Address
--	------	---------

Status and amount of bond <u>In Force</u>	Organization Report On file Or attached	Filing Fee of \$25.00 Attached <u>Yes</u>
--	---	--

Remarks: (If this is an application to deepen or plug back, briefly describe work to be done, giving present producing zone and expected new producing zone)

We plan to drill to approximate T.D. of 4400 ft. Log, perforate and frac and complete as an oil well if productive. Run casing as shown on reverse side. Install lift equipment and conduct potential tests.

Logs: GRD, GRN, GR Induction Laterlog.



\*Fill in Proposed Casing Program on reverse side

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Senior Production Clerk of the Tenneco Oil Company (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.

*Revised to 1 X*

Signature Harold C. Nichols  
 Date October 17, 1966

Permit Number: 368  
 Approval Date: 10/21/66  
 Approved By: Jehan Banister  
 Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.  
 See Instruction on Reverse Side of Form

STATE OF ARIZONA  
 OIL & GAS CONSERVATION COMMISSION  
 Application to Drill, Deepen or Plug Back and Plat  
 File Two Copies  
 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
5. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES  NO  If answer is "yes," Type of Consolidation \_\_\_\_\_
6. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description
SEE ATTACHED PLAT	
<b>CERTIFICATION</b>	
I hereby certify that the information above is true and complete to the best of my knowledge and belief.	
Name _____	
Position _____	
Company _____	
Date _____	
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. _____	

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#	J-55	0	300'	300	Cement to Surface.
4-1/2	10.5#	J-55	0	4400'	4400'	Cement with sufficient volume to bring level of cement 200' above upper most productive zone.

19

COMPANY TENNECO OIL COMPANY

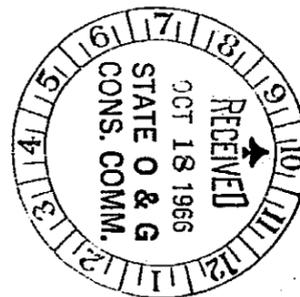
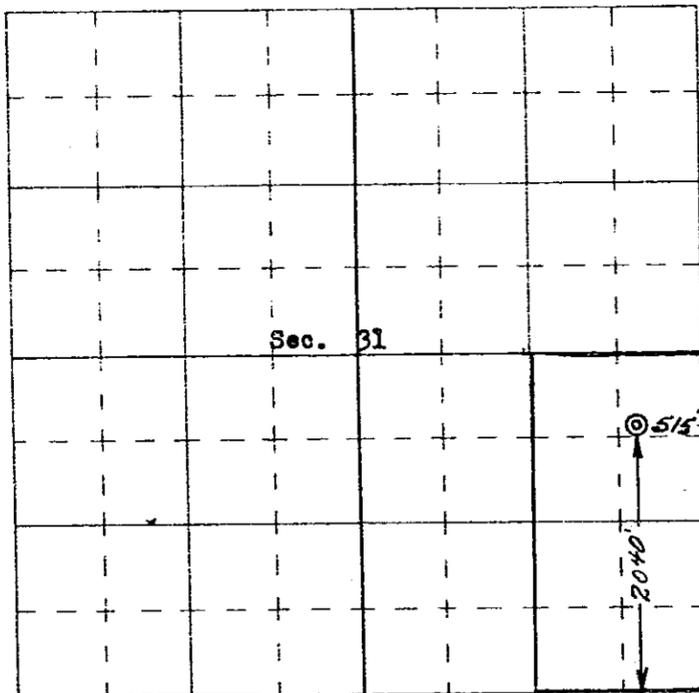
Well Name & No. FORT APACHE TRACT NO. 56 Lease No. \_\_\_\_\_

Location 2040' FROM THE SOUTH LINE & 515' FROM THE EAST LINE

Being in NE SE

Sec. 31, T10 N., R21 E, G & S R M, Navajo County, Arizona

Ground Elevation 6626' ungraded



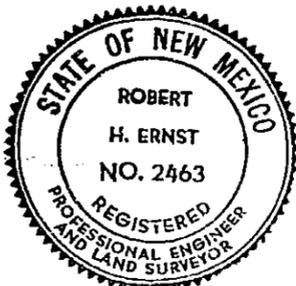
Scale -- 4 inches equals 1 mile

Surveyed 10 October 1966, 1966

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.

Seal:

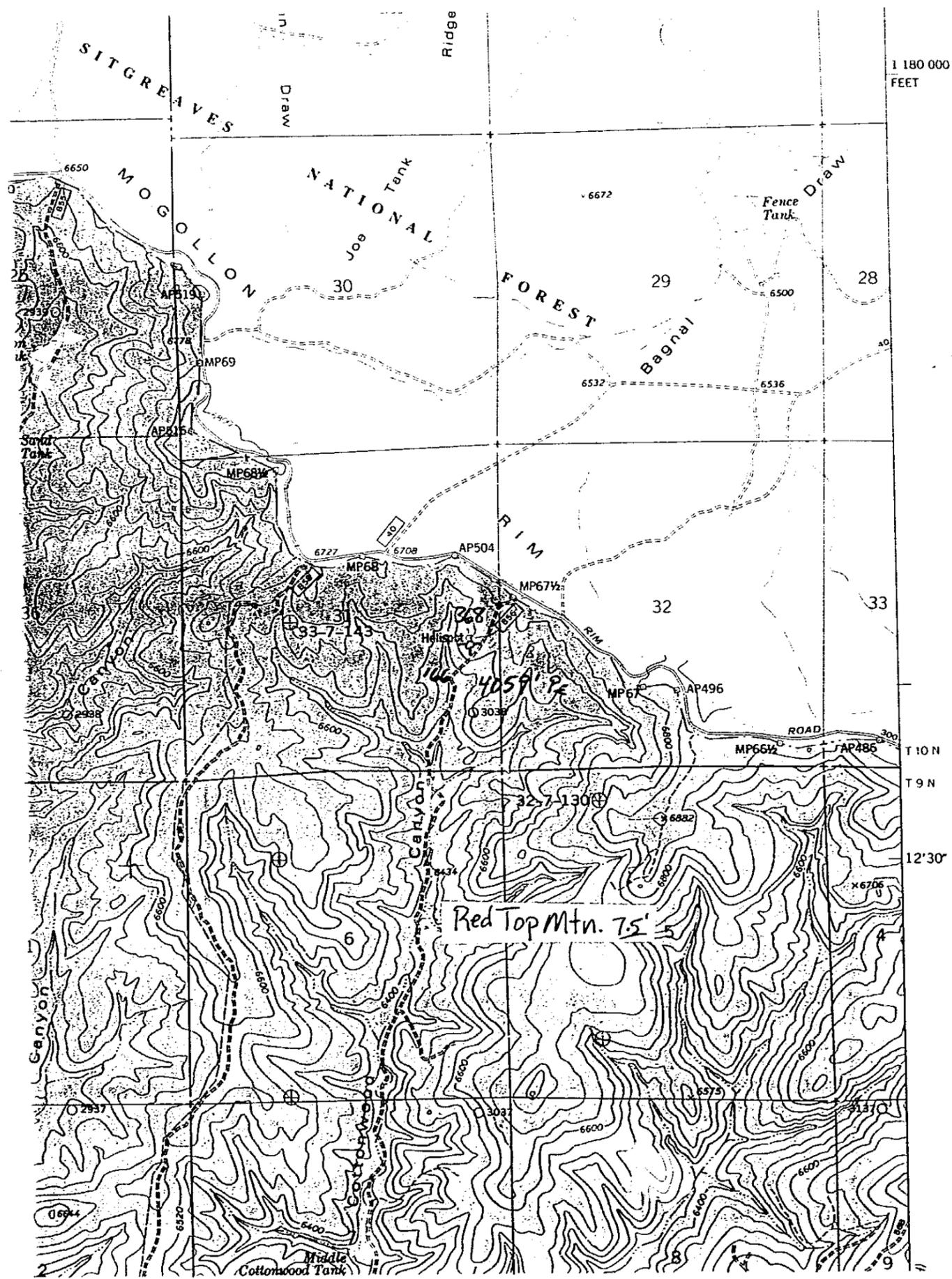
Ernst Engineering  
Durango, Colorado



*Robert H. Ernst*

Registered Professional  
Engineer and Land Surveyor.

Robert H. Ernst  
Solo. PE & LS 4979  
N. Mex. PE & LS 2463



1 180 000  
FEET

T 10 N

T 9 N

12'30"



Standard Oil  
Production Company  
Continental & Offshore Division  
9401 Southwest Freeway  
Suite 1200  
Houston, Texas 77074  
713-981-1150

April 29, 1987

**STANDARD OIL**  
PRODUCTION

Mr. Daniel J. Brennan  
Executive Director  
Arizona Oil and Gas Commission  
3110 N. 19th Avenue, Suite 190  
Phoenix, Arizona 85015

*file 368*

Dear Mr. Brennan:

Enclosed is a copy of the report from our geochemical laboratory on the well samples we obtained from your sample library last November.

I apologize for the delay, some of the analysis equipment was being relocated and was not operational.

As indicated in the report, the results were disappointing. However, I want to thank you again for permission to take samples of these wells for analysis.

Sincerely,



Steven Swanson  
Project Geologist

cc: A. E. Krancer  
E. M. Luttrell  
B. P. Cohn

1254L/mcw

Standard Oil Production Company is a  
unit of the original Standard Oil Company  
founded in Cleveland, Ohio, in 1870.

GEOCHEMICAL ANALYSIS OF  
CUTTINGS FROM  
ARIZONA WELLS

EXPLORATION BRIEF (PGW/EB381)

Author: I.E. Penfield

STANDARD OIL PRODUCTION COMPANY

To: S. Swanson April 21, 1987  
SOPC Continental & Offshore Div. PGG/042187/IP/2-6  
Houston AFE: 70-5019

From: Petroleum Geochemistry Group  
Dallas Classification: RESTRICTED

Subject: Geochemical Analysis of Cuttings from Arizona Wells--  
Exploration Brief (PGG/EB381).

Eleven cuttings samples representing Permian, Pennsylvanian, and Devonian sediments in six Arizona wells were analyzed for source potential and thermal maturity. Well locations and sample depths are given in the Appendix. Analyses are listed in Table 1.

None of the cuttings exhibited any source potential; all were virtually barren of organic carbon, having TOC's of <0.05%. Rock-Eval pyrolysis showed only trace quantities of thermally distillable (S1) or pyrolyzable (S2) hydrocarbons. The two samples with highest S1 and S2 values (still only 0.2 to 0.3 kg/ton) were selected for thermal maturity determination by whole rock vitrinite reflectance methods, but the absence of organics prevented an accurate assessment: The Permian Supai Fm. in the Mae Belcher #1 State well (1920-2020') appeared to be a barren limestone with a trace of bitumen staining; the Pennsylvanian sample in the Tenneco 1X Ft. Apache Tr. 56 (2500-2770') had a trace of siltstone with one piece of vitrinite of about 0.88% Ro, but was mainly redbeds containing occasional reworked material. Given the negligible quantity of hydrocarbon material in the samples, no attempt was made to extract it for chromatographic characterization.

Enclosures: Table 1  
Appendix

cc: M. Rahman  
R. Drozd  
File (0) (2-6)

*Irene Penfield*  
Irene Penfield

TABLE 1

Results of Total Organic Carbon Analysis and Rock-Eval Pyrolysis

Sample ID	TOC (Wt.%)	S1 (kg./ton)	S2 (kg./ton)	Ro (%)
WE8501	0.05	0.32	0.26	NDP
WE8502	0.00	0.06	0.07	
WE8503	0.00	0.05	0.05	
WE8504	0.00	0.05	0.06	
WE8505	0.01	0.09	0.10	
WE8506	0.00	0.05	0.05	
WE8507	0.00	0.05	0.05	
WE8508	0.05	0.25	0.24	NDP (0.88??)
WE8509	0.01	0.10	0.05	
WE8510	0.00	0.10	0.08	
WE8511	0.02	0.27	0.10	

NDP= No determination possible

Appendix

P/N	Operator	No.	Well name	Loc'n	Depth range	Age
66	8501 Mae Belcher	1	State	20-9N-31E	1920'-2020'	Perm.
86	8502 Pan Am	1	Aztec L&C "B"	9-16N-18E	3720'-3835'	Dev.
76	8503 Pan Am	1	NMG&Z Land "B"	25-12N-23E	3200'-3500'	U. Penn.
662	8504 Webb	30-1	NMG&Z Snowflake	30-14N-21E	3100'-3240'	Penn.
	8505	"	"	"	3320'-3360'	Penn.
660	8506 Webb	29-1	Rocking Chair	29-14N-20E	2900'-3110'	Penn.
	8507	"	"	"	3290'-3370'	Dev.
368	8508 Tenneco	1X	Ft. Apache Tr. 56	31-10N-21E	2500'-2770'	Penn.
	8509	"	"	"	2880'-2900'	Penn.
	8510	"	"	"	3110'-3230'	Penn.
	8511	"	"	"	3640'-3830'	Dev.

Operator TENNECO OIL COMPANY

Bond Company U.S. Fidelity & Guaranty Co. Amount \$25,000

Bond No. 68214-13-1361-66 Date Approved 10-21-66

Permits covered by this bond:

- 368
- 369
- 370
- 371
- 
- 
- 
- 
- 
- 

**CANCELLED**

DATE 1-29-68

- 
- 
- 
- 
- 
- 
- 
- 
- 
- 

368

LIABILITY UNDER THIS BOND MAY NOT BE TERMINATED WITHOUT WRITTEN PERMISSION OF THIS COMMISSION.

KNOW ALL MEN BY THESE PRESENTS

BOND SERIAL NO. 68214-13-1361-66

That TENNECO OIL COMPANY, a Delaware corporation,

of the Harris County of Texas in the State of Texas

as principal and UNITED STATES FIDELITY AND GUARANTY COMPANY, a Maryland corporation,

of 3401 Fannin Street, Houston, Texas  
AUTHORIZED TO DO BUSINESS WITHIN the State of Arizona.

as surety, are held and firmly bound unto the State of Arizona in the penal sum as indicated, lawful money of the United States, for which payment, well and truly to be made, we bind ourselves, and each of us, and each of our heirs, executors, administrators or successors, and assigns jointly and severally, firmly by these presents.

The conditions of this obligation is that whereas the above bounden principal proposes to drill a well or wells for oil, gas or stratigraphic purposes in and upon the following described land situated within the State, to wit:

WHEREAS, said Principal desires to give a blanket bond in lieu of individual bonds to  
(May be used as blanket bond or for single well)

cover any and all wells drilled or to be drilled by Principal within the State of

Arizona

NOW, THEREFORE, if the above bounden principal shall comply with all of the provisions of the laws of this State and the rules, regulations and orders of the Oil and Gas Conservation Commission, especially with reference to the requirements of A.R.S. 27-516, providing for the proper drilling, casing and plugging of said well or wells, and filing with the Oil & Gas Conservation Commission all notices and records required by said Commission, in the event said well or wells do not produce oil or gas in commercial quantities, or cease to produce oil or gas in commercial quantities, then this obligation is void; otherwise, the same shall be and remain in full force and effect.

Penal sum of Twenty-Five Thousand and No/100-----(\$25,000.00) Dollars

Witness our hands and seals, this 20th day of October, A.D. 1966

ATTEST: TENNECO OIL COMPANY

Louis L. Paul Assistant Secretary By: [Signature] Vice President <sup>Principal</sup>

Witness our hands and seals, this \_\_\_\_\_ day of \_\_\_\_\_

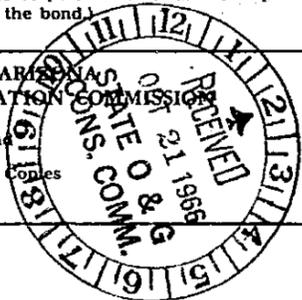
COUNTERSIGNED BY: UNITED STATES FIDELITY AND GUARANTY COMPANY

Wm R. Pledge By: [Signature] Attorney-in-Fideliy

(If the principal is a corporation, the bond should be executed by its duly authorized officers, with the seal of the corporation affixed. When principal or surety executes this bond by agent, power of attorney or other evidence of authority must accompany the bond.)

Approved 10-24-66  
Date 10-24-66  
By: John Bannister  
STATE OF ARIZONA  
OIL & GAS CONSERVATION COMMISSION

STATE OF ARIZONA  
OIL & GAS CONSERVATION COMMISSION  
DATE 1-29-68  
Form No. 2  
File Two Copies



36 Permit No \_\_\_\_\_

(CE) ID COPY

### GENERAL POWER OF ATTORNEY

No. 72437

*Know all Men by these Presents:*

That UNITED STATES FIDELITY AND GUARANTY COMPANY, a corporation organized and existing under the laws of the State of Maryland, and having its principal office at the City of Baltimore, in the State of Maryland, does hereby constitute and appoint

Wm. K. Bruce

of the City of **Houston**, State of **Texas**  
its true and lawful attorney in and for the State of **Texas**

for the following purposes, to wit:

To sign its name as surety to, and to execute, seal and acknowledge any and all bonds, and to respectively do and perform any and all acts and things set forth in the resolution of the Board of Directors of the said UNITED STATES FIDELITY AND GUARANTY COMPANY, a certified copy of which is hereto annexed and made a part of this Power of Attorney; and the said UNITED STATES FIDELITY AND GUARANTY COMPANY, through us, its Board of Directors, hereby ratifies and confirms all and whatsoever the said

Wm. K. Bruce

may lawfully do in the premises by virtue of these presents.

In Witness Whereof, the said UNITED STATES FIDELITY AND GUARANTY COMPANY has caused this instrument to be sealed with its corporate seal, duly attested by the signatures of its Vice-President and Assistant Secretary, this **8th** day of **December**, A. D. 19 **59**

UNITED STATES FIDELITY AND GUARANTY COMPANY.

(Signed) By L. M. Smith  
Vice-President.

(SEAL)

(Signed) Karl H. Doerre  
Assistant Secretary.

STATE OF MARYLAND }  
BALTIMORE CITY. } ss:

On this **8th** day of **December**, A. D. 19 **59**, before me personally came **L. M. Smith**, Vice-President of the UNITED STATES FIDELITY AND GUARANTY COMPANY and **Karl H. Doerre**, Assistant Secretary of said Company, with both of whom I am personally acquainted, who being by me severally duly sworn, said that they resided in the City of Baltimore, Maryland; that they, the said **L. M. Smith** and **Karl H. Doerre** were respectively the Vice-President and the Assistant Secretary of the said UNITED STATES FIDELITY AND GUARANTY COMPANY, the corporation described in and which executed the foregoing Power of Attorney; that they each knew the seal of said corporation; that the seal affixed to said Power of Attorney was such corporate seal, that it was so affixed by order of the Board of Directors of said corporation, and that they signed their names thereto by like order as Vice-President and Assistant Secretary, respectively, of the Company.

My commission expires the first Monday in May, A. D. 19 **61**

(Seal) (Signed) Anne M. O'Brien  
Notary Public.

STATE OF MARYLAND }  
BALTIMORE CITY. } .Sct.

I, **James F. Carney**, Clerk of the Superior Court of Baltimore City, which Court is a Court of Record, and has a seal, do hereby certify that **Anne M. O'Brien**, Esquire, before whom the annexed affidavits were made, and who has thereto subscribed his name, was at the time of so doing a Notary Public of the State of Maryland, in and for the City of Baltimore, duly commissioned and sworn and authorized by law to administer oaths and take acknowledgments, or proof of deeds to be recorded therein. I further certify that I am acquainted with the handwriting of the said Notary, and verily believe the signature to be his genuine signature.

In Testimony Whereof, I hereto set my hand and affix the seal of the Superior Court of Baltimore City, the same being a Court of Record, this **8th** day of **December**, A. D. 19 **59**

(SEAL) (Signed) James F. Carney  
Clerk of the Superior Court of Baltimore City.

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COPY OF RESOLUTION

*That Whereas*, it is necessary for the effectual transaction of business that this Company appoint agents and attorneys with power and authority to act for it and in its name in States other than Maryland, and in the Territories of the United States and in the Provinces of the Dominion of Canada and in the Colony of Newfoundland.

*Therefore, be it Resolved*, that this Company do, and it hereby does, authorize and empower its President or either of its Vice-Presidents in conjunction with its Secretary or one of its Assistant Secretaries, under its corporate seal, to appoint any person or persons as attorney or attorneys-in-fact, or agent or agents of said Company, in its name and as its act, to execute and deliver any and all contracts guaranteeing the fidelity of persons holding positions of public or private trust, guaranteeing the performances of contracts other than insurance policies and executing or guaranteeing bonds and undertakings, required or permitted in all actions or proceedings, or by law allowed, and

*Also*, in its name and as its attorney or attorneys-in-fact, or agent or agents to execute and guarantee the conditions of any and all bonds, recognizances, obligations, stipulations, undertakings or anything in the nature of either of the same, which are or may by law, municipal or otherwise, or by any Statute of the United States or of any State or Territory of the United States or of the Provinces of the Dominion of Canada or of the Colony of Newfoundland, or by the rules, regulations, orders, customs, practice or discretion of any board, body, organization, office or officer, local, municipal or otherwise, be allowed, required or permitted to be executed, made, taken, given, tendered, accepted, filed or recorded for the security or protection of, by or for any person or persons, corporation, body, office, interest, municipality or other association or organization whatsoever, in any and all capacities whatsoever, conditioned for the doing or not doing of anything or any conditions which may be provided for in any such bond, recognizance, obligation, stipulation, or undertaking, or anything in the nature of either of the same.

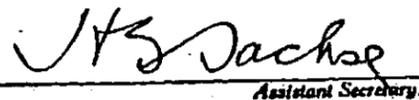
I, **H. G. Sachse**, an Assistant Secretary of the UNITED STATES FIDELITY AND GUARANTY COMPANY, do hereby certify that the foregoing is a full, true and correct copy of the original power of attorney given by said Company to **Wm. K. Bruce**

of **Houston, Texas**, authorizing and empowering **him** to sign bonds as therein set forth, which power of attorney has never been revoked and is still in full force and effect.

And I do further certify that said Power of Attorney was given in pursuance of a resolution adopted at a regular meeting of the Board of Directors of said Company, duly called and held at the office of the Company in the City of Baltimore, on the 11th day of July, 1910, at which meeting a quorum of the Board of Directors was present, and that the foregoing is a true and correct copy of said resolution, and the whole thereof as recorded in the minutes of said meeting.

*In Testimony Whereof*, I have hereunto set my hand and the seal of the UNITED STATES FIDELITY AND GUARANTY COMPANY on

(Date) October 20, 1966

  
Assistant Secretary.



**GEORGE BRUCE & CO.**  
INSURANCE

CApitol 4-7656  
2202 TENNESSEE BLDG.  
HOUSTON, TEXAS 77002

October 20, 1966



*Bond No 68214-13-1361-66  
Amount \$25,000  
Date 10-20-66*

C

United States Fidelity & Guaranty Co.  
3605 North 7th Avenue  
Phoenix, Arizona

O

Attention: Mr. William E. Shimer  
Superintendent of Bond Department

Dear Mr. Shimer:

P

I have enclosed a Drilling Bond for Tenneco Oil Co. and ask that you have a local licensed Arizona resident agent of United States Fidelity & Guaranty Company countersign it.

By copy of this letter to Mr. John Bannister I suggest that he contact you by telephone (Area Code 602 277-4411) Friday morning and arrange to have this bond filed with the Oil and Gas Conservation Commission. It is my understanding that Tenneco is most anxious to have this bond approved as soon as possible.

Y

Any fees incurred in transmitting this bond should be billed directly to Tenneco Oil Co. in Houston.

Thank you for your cooperation.

Yours very truly,

GEORGE BRUCE & CO.

William K. Bruce

WKB:vh  
encl.

cc: Mr. John Bannister  
Oil & Gas Conservation Commission  
State of Arizona  
Room 202-1624 West Adams  
Phoenix, Arizona 85007

Mr. Don Baughman  
Tenneco Oil Co.  
P. O. Box 2511  
Houston, Texas 77002

Via...Air Mail Special Delivery

368

**TENNECO OIL COMPANY** A Major Component of Tenneco Inc.  
P. O. BOX 2511 • HOUSTON, TEXAS 77001



October 20, 1966

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

Attention: Mr. John Bannister, Executive Secretary

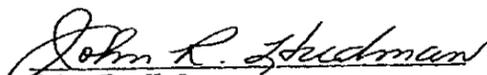
Re: Blanket Drilling Bond

Gentlemen:

Enclosed is Organization Report properly completed and executed by the Secretary of this Company. A \$25,000 blanket bond, with this Company as principal and United States Fidelity and Guaranty Company as surety, has been completed and forwarded to the surety's Phoenix agent for counter-signature and delivery to you.

Yours very truly,

TENNECO OIL COMPANY

  
John R. Hudman  
Properties Supervisor

JRH/ld  
Encl.

cc: Mr. Robert Wilpitz  
Tenneco Oil Company  
P. O. Box 1714  
Durango, Colorado 81302

cc: Mr. A. H. Trostman  
Tenneco Oil Company  
201 Wall Building  
Midland, Texas 79701

368

October 24, 1966

Tenneco Oil Company  
P.O. Box 1714  
Durango, Colorado 81301

Attention: Mr. J.H. Watkins, District Office Supervisor

Re: U.S. Fidelity & Guaranty Co.  
Blanket Bond 68214-13-1361-66  
Amount, \$25,000

Gentlemen:

Enclosed is approved copy of captioned bond covering your operations in Arizona.

Your cooperation is very much appreciated.

Very truly yours,

John Bannister  
Executive Secretary  
mr  
enc

368



UNITED STATES FIDELITY AND GUARANTY COMPANY

3401 FANNIN STREET, P. O. BOX 8426

HOUSTON, TEXAS 77004

TELEPHONE: 713/JACKSON 6-1551

ELWOOD W. PIERCE  
MANAGER

JOHN F. ROUGAGNAC  
ASSISTANT MANAGER

January 25, 1968

JOSEPH S. KNIGHT  
SUPERINTENDENT - CLAIMS

Oil & Gas Conservation  
Commission  
State of Arizona  
Phoenix, Arizona

NOTICE OF CANCELLATION

RE: 68214-13-1361-66 - Tenneco Oil Company

Whereas on or about the 20 day of October, 1966 United States  
Fidelity and Guaranty Company, as Surety, executed Blanket Oil  
Well Bond in the penalty of \$25,000.00

on behalf of Tenneco Oil Company

in favor of State of Arizona

Bond No. 68214-13-1361-66, and:

Whereas it is our desire to cancel said bond in accordance with the  
terms thereof.

Signed, sealed this 25 day of January, 19.68.

UNITED STATES FIDELITY AND GUARANTY COMPANY

BY:

*Alfreda Mills*  
Attorney-in-Fact  
ACKNOWLEDGMENT

United States Fidelity and Guaranty Company  
Houston, Texas

Your Notice of Cancellation as set forth above received. We have  
arranged to cancel said bond effective:

Date: 1-29-68

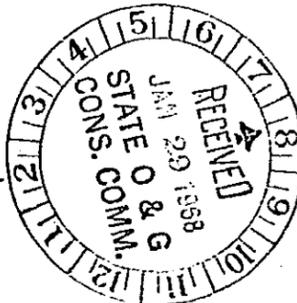
PLEASE COMPLETE THE ACKNOWLEDGMENT AND RETURN ONE COPY TO US.

cc: Ms. Virginia Hilley  
George Bruce & Co.  
Houston, Texas

Executive Secretary

OIL & GAS CONSERVATION COMMISSION  
STATE OF ARIZONA  
1624 WEST ADAMS - SUITE 202  
TELEPHONE: 271-5161  
PHOENIX, ARIZONA, 85007

U. S. F. & G.



368

March 23, 1967

Tenneco Oil Company  
P.O. Box 1714  
Durango, Colorado 81302

Attention: Mr. Robert E. Siverson, District Production Supt.

Gentlemen:

In order to complete our files on the wells recently drilled by you in Arizona in compliance with this Commission's Rules and Regulations, we are showing below the information yet to be submitted.

Tenneco #1X Ft. Apache 56  
NE SE 31-10-21E, Navajo County Arizona  
Permit 368

Logs: GRN and GRD

Tenneco #1 Federal C  
NW NW 15-10N-19E, Navajo County, Arizona  
Permit 369

Water well forms

Tenneco #1 Federal B  
SW NE 4-10N-24E, Apache County, Arizona  
Permit 370

Logs: GRN and GRD

Tenneco #1 Merrill Fee  
SW SW 26-10N-30E, Apache County, Arizona  
Permit 371

Water well forms

368

Tenneco Oil Company  
March 23, 1967  
Page 2

Tenneco #1 Federal A  
SE SE 18-12N-17E, Navajo County, Arizona  
Permit 374

Well Completion Report, on this Commission's form  
Logs: Dual Induction, GRD

Tenneco Federal C  
SE NW 22-11N-28E, Apache County  
Permit 375

Logs: Dual Induction, Sidewall Neutron Porosity, Compensated  
Formation Density

In addition, we also remind you that samples from all the wells must be furnished. As previously advised, these can be delivered to Four Corners Sample Cut, Farmington, New Mexico, or to this office.

If you have any questions, or if this office may be of help to you in any way we may, please let us know. Your cooperation is very much appreciated.

Very truly yours,

John Bannister  
Executive Secretary  
mr  
enc: Form 4, Well Completion Report  
Form 26, Water Well Acceptance

368

November 30, 1966

Tenneco Oil Company  
P.O. Box 1714  
Durango, Colorado 81301

Attention: Mr. Harold C. Nichols

Re: Tenneco Oil #1X Fort Apache 56  
NE SE 31-10N-21E, Navajo County, Arizona  
Permit 368

Gentlemen:

This will acknowledge receipt of your message of November 29, 1966 concerning captioned well.

Please be advised that your holding of the completion forms, samples, logs, etc., is in compliance with our Rules and Regulations. I would refer you to Rule 119.A wherein this information should be submitted within 60 days of the date of completion of the well, or January 19, 1967.

Should you have any questions, would you please advise.

Very truly yours,

John Bannister  
Executive Secretary  
mr

368

MESSAGE — REPLY

Tenneco Oil Company

COMPANY

TO Mr John Bannister

Arizona O&G Con Comm

1624 West Adams, Phoenix, Ariz

FROM Harold C. Nichols

Box 1714

Durango, Colorado 81301

DATE 11/29/66 MESSAGE Ref: Fort Apache 1-X & Federal B #1 AR-035875

Permit 370

The Federal Lease number on the Federal B #1 is: AR-035875

We would like to hold the logs, completion & Log and samples for further evaluation at this time, on the Fort Apache 1 and 1-X wells for geologic study. They will be submitted as soon as this evaluation and study is completed, with your permission.

DATE

REPLY

368



November 23, 1966

Tenneco Oil Company  
P.O. Box 1714  
Durango, Colorado 81301

Attention: Mr. J.H. Watkins, District Office Supervisor

Re: Tenneco Oil #1X Fort Apache 56  
NE SE 31-10N-21E, Navajo County, Arizona  
Permit 363

Tenneco Oil #1 Federal B  
SW NE 4-10N-24E, Apache County, Arizona  
Permit 370

Gentlemen:

With respect to the #1X Fort Apache well, in order to complete our records we need a Well Completion Report (on our form attached). And since the top of the well is unplugged for the Indians to use as a water well, we are enclosing our water well acceptance form which should be completed and returned to this office.

Copies of all logs run should also be forwarded to this office. In addition, would you please advise as to the disposition of samples on both the #1 and #1X Fort Apache holes.

We have revised our records and permit to show the change in location under Permit 370. Approved application for this change of location is attached. Will you please advise us of the Federal lease number on which this new location will be drilled.

Very truly yours,

John Bannister  
Executive Secretary  
nr  
enc

368

Jenneco P&A

4059'

November 14, 1966

Tenneco Oil Company  
P.O. Box 1714  
Durango, Colorado 81301

Attention: Mr. Bob Siverson

Re: Tenneco Oil #1 Fort Apache 56  
NE SE 31-10N-21E, Navajo County, Arizona  
Permit 368

Gentlemen:

As stated in our letter of October 31, 1966, we must have Application to Plug and Plugging Record covering captioned hole. All other data requested in our above letter has been received.

For your convenience, we will accept copies of these reports as submitted with U.S. Geological Survey, or in the alternative, we are attaching copies of our forms should you prefer to use them.

Your earliest cooperation is requested.

Very truly yours,

John Bannister  
Executive Secretary  
nr  
enc

368

October 31, 1966

Tenneco Oil Company  
P.O. Box 1714  
Durango, Colorado 81301

Attention: Mr. Bob Siverson

Re: Tenneco Oil #1 Fort Apache 56  
NE SE 31-10N-21E, Navajo County, Arizona  
Permit 368

Gentlemen:

We have been advised by Mr. Boler that you have moved the location of captioned well 50 feet to the north and have plugged the original hole.

Please be advised that according to our Rules and Regulations verbal permission from this office should have been secured before this move was made. However, Mr. Scurlock, our geologist, did say you had advised him of a potential move.

In order that we may correct our records, will you please furnish this office immediately with a copy of the application to plug and the plugging record, as filed with U.S. Geological Survey. Also, we will need once copy of attached Completion Report returned to this office. Logs as run on this well should be filed also.

I would remind you that this well is in a confidential status and will remain so for the statutory period.

Mr. Boler further advised that your new location will be designated as the Tenneco Oil #1X Fort Apache 56. This well will carry the same permit designation, i.e. 368.

We will need for this new location a new survey plat showing the exact location of this well and a new Application to Drill. Said application form is enclosed. It will not be necessary that a new filing fee be paid.

368

Tenneco Oil Company  
October 31, 1966  
Page 2

We will take the liberty of transferring over to the #1X the permit from the #1 well. The designation of acreage will, I assume, remain the same.

It is requested that this information be filed with us at your earliest convenience.

Very truly yours,

John Bannister  
Executive Secretary

nr  
enc: Form 3  
Form 4

368

October 21, 1966

Tenneco Oil Company  
P.O. Box 1714  
Durango, Colorado 81301

Attention: Mr. J.H. Watkins, District Office Supervisor

Re: Tenneco Oil #1 Fort Apache 56  
NE SE 31-10N-21E, Navajo County, Arizona  
Permit 368

Tenneco Oil #1 Federal  
NWNW 15-10-19E, Navajo County, Arizona  
Permit 369

Tenneco Oil #1 Rhode State  
SW SW 2-10N-24E, Apache County, Arizona  
Permit 370

Tenneco Oil #1 Merrill Fee  
SW SW 26-10N-30E, Apache County, Arizona  
Permit 371

Gentlemen:

Enclosed are approved copies of Applications to Drill, Permits to Drill, and Receipt 9465 for the filing fees.

If this office may assist you in any way, please let us know.

Very truly yours,

John Bannister  
Executive Secretary  
MB  
enc

368



TENNECO OIL COMPANY • P. O. BOX 1714 • 835 SECOND AVENUE • DURANGO, COLORADO 81302

October 20, 1966

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

Attention: John Banister

Gentlemen:

In line with our conversation this date, this letter is to confirm that we desire to keep all information confidential on the below listed wells:

Rhode State No. 1  
Section 2, T-10-N, R-24-E

Merrill No. 1  
Section 26, T-10-N, R-30-E

Federal No. 1  
Section 15, T-10-N, R-19-E

Fort Apache Tract 56 No. 1  
Section 31, T-10-N, R-21-E

Very truly yours,

TENNECO OIL COMPANY

  
John H. Watkins  
District Office Supervisor

JHW:hes

CC: D. B. Brown

368

October 18, 1966

Tenneco Oil Company  
P.O. Box 1714  
Durango, Colorado 81301

Attention: Mr. Harold C. Nichols, Senior Production Clerk

Re: Tenneco Oil #1 Rhode State 8823  
370 SW NW 2-10N-24E, Apache County, Arizona  
Tenneco Oil #1 Merrill Fee OK  
371 SW SW 26-10N-30E, Apache County, Arizona  
Tenneco Oil #1 Federal AR-D3586A  
369 NW NW 15-10N-19E, Navajo County, Arizona  
Tenneco Oil #1 Fort Apache 56 1A-20-D450-592A  
368 NE SE 31-10N-21E, Navajo County, Arizona

Gentlemen:

This will acknowledge receipt of your applications for permits to drill the four captioned wells.

Please be advised that before we may issue the permits to drill these wells we must have furnished to this Commission a bond in the amount of \$5,000 for each well, or in lieu thereof, a \$25,000 state-wide blanket bond. We would refer you to our Rule 101 as to our bonding requirements..

Would you also please furnish this office with an up-to-date Organization Report. Copies of this form are attached.

Would you please also furnish to this Commission the Federal, State, and Indian lease numbers upon which you are drilling these wells. We are assuming that your #1 Merrill is a fee lease held by Tenneco.

Would you also advise the name of your drilling contractor.

368

Young dfg. Co - Farmington

Tight  
per Watkins telcon 10-20-66  
(303) 247-5494

Tenneco Oil Company  
October 18, 1966  
Page 2

We will proceed with the processing of these applications, but as aforesaid, permits cannot be issued until the above requirements are met.

Please be assured of our cooperation and best wishes.

Very truly yours,

John Bannister  
Executive Secretary  
mr  
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