

2

CONFIDENTIAL  
Release Date 8-14-67

P-11

TENNECO OIL #1 FEDERAL-C 375  
SE NW 22-11N-28E Apache Cnty

sl

COUNTY Apache AREA Lyman Lake LEASE NO. AR 035880

WELL NAME Tenneco #1 Federal-C

LOCATION SE NW SEC 22 TWP 11N RANGE 28E FOOTAGE 1980 FNL & 1980 FWL  
ELEV 6053 GR 6064 KB SPUD DATE - 2-8-67 STATUS P&A TOTAL DEPTH 1687'  
COMP. DATE 2-14-67

CONTRACTOR Young Drilling Co. Farmington

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH	DRILLED BY ROTARY	<u>x</u>
<u>13 3/8</u>	<u>68'</u>	<u>125SKS</u>	<u>NA</u>	DRILLED BY CABLE TOOL	
				PRODUCTIVE RESERVOIR	
				INITIAL PRODUCTION	<u>P&amp;A</u>

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
Moenkopi	Surface		X	Am strat differs
Kaibab	148'			
Cocconino	511			
Supai-Corduroy Mbr	721			
Supai-Corduroy Eva	908			
Supai-Ft. Apache	1440			
Supai-Big A Butte	1556			

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG Am Strat
Dual Induc. Laterlog	NA	NA	SAMPLE DESCRP. Farm Cut
Compensated Formation			SAMPLE NO. <u>1383*</u>
Density, Sidewall Neutron			CORE ANALYSIS
Porosity			DSTs
			*Tucson 2073

REMARKS Change of location from #1 Aztec Land, which will not be drilled. Surface plug left open for possible water well.

APP. TO PLUG x  
PLUGGING REP. x  
COMP. REPORT x

WATER WELL ACCEPTED BY \_\_\_\_\_

BOND CO. U. S. Fidelity & Guaranty Co. 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 9469 LOC. PLAT x WELL BOOK x PLAT BOOK x  
API NO. 02-001-20002 DATE ISSUED 2-2-67 DEDICATION S/e NW/4

PERMIT NUMBER 375

(over)

**CONFIDENTIAL**  
Release Date 8-14-67

**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

Lease Name Federal-C AR 035880 Well Number #1 Field & Reservoir Wildcat Lyman Project

Location 1980 FNL 1980 FWL Apache County Section 22 T11N R-28-E Sec.—TWP-Range or Block & Survey

County Apache Permit number 375 Date issued \_\_\_\_\_ Previous permit number \_\_\_\_\_ Date issued \_\_\_\_\_

Date spudded 2/8/67 Date total depth reached 2/13/67 Date completed, ready to produce P & A 2/14/67 Elevation (DE, RKB, RT or Gr.) 6053 GR feet Elevation of casing hd. flange 6053 GR feet

Total depth 1687 P.B.T.D. Dry P & A Single, dual or triple completion? Dry Hole 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 - 1687 Cable tools used (interval) \_\_\_\_\_

Was this well directionally drilled? No Was directional survey made? Yes Was copy of directional survey filed? No Date filed \_\_\_\_\_

Type of electrical or other logs run (check logs filed with the commission) Dual induction - Lat., Sidewall neutron porosity, Formation compensated 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 csg.	12 1/4 reamed	13 3/8	40 #	68'	125 sx	None

TUBING RECORD

LINER RECORD

Size	Depth set	Packer set at	Size	Top	Bottom	Sacks cement	Screen (ft.)
in.	ft.	ft.	in.	ft.	ft.		
None					None		

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

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

INITIAL PRODUCTION

Date of first production P & A 2/14/67 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 \_\_\_\_\_ Gas prod. during test \_\_\_\_\_ Water prod. during test \_\_\_\_\_ Oil gravity \_\_\_\_\_  
bbls. MCF bbls. ° API (Corr)

Tubing pressure \_\_\_\_\_ Casing pressure \_\_\_\_\_ Cal'ed rate of Production per 24 hrs. \_\_\_\_\_ Oil \_\_\_\_\_ Gas \_\_\_\_\_ Water \_\_\_\_\_ Gas-oil ratio \_\_\_\_\_  
bbls. MCF bbla.

Disposition of gas (state whether vented, used for fuel or sold): None - Dry Hole

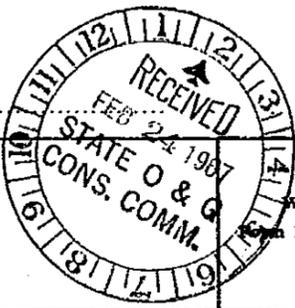
CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Senior Production Clerk of the Tenneco Oil Company (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated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

Date 2/17/67

Signature Harold C. Nichols

**CONFIDENTIAL**

Permit # 375



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

DETAIL OF FORMATIONS PENETRA

Formation	Top	Bottom	Description*
Moenkopi	Surface	148	Shale & Sandstone
Kaibab	148	511	Limestone & Dolomite - Fresh water
Coconino	511	721	Sandstone - Fresh water
Supai - Cor- duroy Mbr.	721	908	Sandstone - Siltstone
Supai - Cor- duroy Evaporites	908	1440	Anhydrite & Dolomite & Siltstone & Sandstone
Supai - Fort Apache Mbr.	1440	1556	Dolomite & Anhydrite - Salt water
Supai - Big A Butte Mbr.	1556	1687	Siltstone & Anhydrite
	NO	D. S. T.'S	OR CORES

\* 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.

DETAIL OF FORMATIONS PENETRA

Formation	Top	Bottom	Description*
Moenkopi	Surface	148	Shale & Sandstone
Kaibab	148	511	Limestone & Dolomite - Fresh water
Coconino	511	721	Sandstone - Fresh water
Supai - Cor- duroy Mbr.	721	908	Sandstone - Siltstone
Supai - Cor- duroy Evaporites	908	1440	Anhydrite & Dolomite & Siltstone & Sandstone
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	NO	D. S. T.'S	OR CORES

\* 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.

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. ESSVR  Other \_\_\_\_\_

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: **1980; FRL 1980; FWL**  
At top prod. interval reported below  
At total depth

5. LEASE DESIGNATION AND SERIAL NO.: **ARO 34880**

6. IF INDIAN ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME: **Federal C**

9. WELL NO.: **1**

10. FIELD AND POOL OR WILDCAT: **Wildcat-Lyman Project**

11. SEC. T. R. M. OR BLOCK AND SURVEY OR AREA: **Sec. 22-T11N-R28E**

12. COUNTY OR PARISH: **Apache**

13. STATE: **Arizona**

14. PERMIT NO. DATE ISSUED

15. DATE SPUDDED: **2-8-67**

16. DATE T.D. REACHED: **2-13-67**

17. DATE COMPL. (Ready to prod.): **P&A 2-14-67**

18. ELEVATIONS (OF. RSB, BT, GR, ETC.): **6053' GR**

19. ELEV. CASINGHEAD: **6053'**

20. TOTAL DEPTH, MD & TVD: **1687'**

21. PLUG, BACK T.D., MD & TVD: **P&A 2-14-67**

22. IF MULTIPLE COMPL., HOW MANY\*

23. INTERVALS DRILLED BY: **0-1687'**

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

25. WAS DIRECTIONAL SURVEY MADE: **Yes**

26. TYPE ELECTRIC AND OTHER LOGS RUN: **Sidewall Neutron Porosity, Dual Induction-Laterolog Compensated formation density No**

27. WAS WELL CORED

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8	40#	68'	12 1/2" & Reamed	125 SX	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
		none		

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
	None	

31. PERFORATION RECORD (Interval, size and number): **Dry Hole P&A 2-14-67**  
Plugs: 1400-1500' 100 SX  
700-850' 100 SX

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
None	

33. PRODUCTION

DATE FIRST PRODUCTION: \_\_\_\_\_

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump): \_\_\_\_\_

WELL STATUS (Producing or shut-in): **Dry Hole**

DATE TEST	HOURS TESTED	CHOKED SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
None							

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

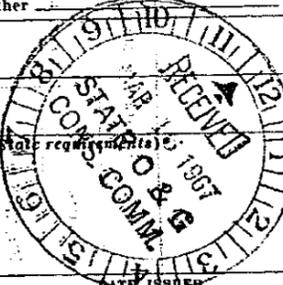
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): \_\_\_\_\_

TEST WITNESSED BY: \_\_\_\_\_

35. LIST OF ATTACHMENTS

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

SIGNED: **G. A. Ford** TITLE: **Br. Prod. Clerk** DATE: **3-15-67**



3-USGS Farmington  
1-File  
2-ORA Comm. Phoenix

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

375



Form 9-331  
(May 1963)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

Form approved.  
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Wildcat - Holbrook Area		6. LEASE DESIGNATION AND SERIAL NO. AR 035880
2. NAME OF OPERATOR Tenneco Oil Company		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P. O. Box 1714, Durango, Colorado		8. FARM OR LEASE NAME Federal "C"
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1980 FNL, 1980 FWL		9. WELL NO. #1
14. PERMIT NO.		10. FIELD AND POOL, OR WILDCAT Wildcat - Lyman Project
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6053 GR		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 22, T-11-N, R-28-E
		12. COUNTY OR PARISH Apache
		13. STATE Arizona

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input 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 as follows 2/14/67. P&A. Set plugs from 1400-1500 w/100 sx and from 700-850 w/100 sx.

Note: Mr. John Bannister, Arizona Oil Conservation, approved above plugging per telephone conversation w/Leon Bergstrom, Surface plug not set, well left open for possible use as a water well. A welded cap and dry hole marker was installed.



Copy sent to  
CHARLES MCCAULEY  
Box 711 Tucson AZ  
85702

*Just Glad*  
8-21-80

action Clerk DATE February 20, 1967

Side

37)

Form 9-531  
(May 1963)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN APPLICATION  
(Other instructions on re-  
verse side)

Form approved,  
Budget Bureau No. 42-11424.

6. LEASE DENOMINATION AND SERIAL NO.

AR 035880

8. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal "C"

9. WELL NO.

#1

10. FIELD AND POOL, OR WILDCAT

Wildcat - Lyman Project

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

Sec. 22, T-11-N, R-28-E

12. COUNTY OR PARISH

Apache

13. 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 - Holbrook Area

2. NAME OF OPERATOR  
Tenneco Oil Company

3. ADDRESS OF OPERATOR  
P. O. 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  
1980 FNL, 1980 FWL

14. PERMIT NO.  
15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
6053 GR

18. 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 as follows 2/14/67. P&A. Set plugs from 1400-1500 w/100 sx and from 700-850 w/100 sx.

Note: Mr. John Bannister, Arizona Oil Conservation, approved above plugging per telephone conversation w/Leon Bergstrom, Surface plug not set, well left open for possible use as a water well. A welded cap and dry hole marker was installed.



I hereby certify that the foregoing is true and correct.  
SIGNATURE: *Harold C. Nichols* TITLE: Senior Production Clerk DATE: February 20, 1967

(This space for Federal or State office use)  
APPROVED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_ DATE: \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

3 - USGS Farmington  
2 - Arizona OGCC - Phoenix \*See Instructions on Reverse Side

Permit 375  
API 002-001-2002

CONFIDENTIAL

375

4  
From the Desk of

JOHN BANNISTER

2-13-67

Burgstrom - Tenneco

phoned - preparing to plug  
Federal 1-C (375)

Kaibab 148' Limestone, Dolomite

Cocconino 510' Sandstone

Supai 722' Shale, Hydrite, Dolomite  
Sandstone

Ft. Apache 1490' Dolomite, Shale

Lower Supai 1556' Shale, Hydrite

TD 1687'

Plug 1400' to 1500' Ft. Apache  
700' to 850' Supai

Will make into water well - send forms  
to Durango. Plug OKed by U.S.G.S.

the Desk of

**JOHN BANNISTER**

geo

Berstrom - Jenneco  
phoned 2-9-67

IC Fed (375)

spudded 2-8-67 3pm.

Set surface 68' w/125 st

---

Berstrom is in El Jo  
natl. Springville

333-4314 Ext 235

Form 9-331  
(May 1963)

UNITED STATES DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*  
(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 <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Wildcat - Holbrook Area		6. LEASE DESIGNATION AND SERIAL NO. AR 035880
2. NAME OF OPERATOR Tenneco Oil Company		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P. O. Box 1714, Durango, Colorado		8. FARM OR LEASE NAME Federal "C"
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1980 FNL, 1980 FWL		9. WELL NO. #1
14. PERMIT NO.		10. YIELD AND POOL, OR WILDCAT Wildcat - Lyman Project
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6053 GR		11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA Sec. 22, T-11-N, R-28-
		12. COUNTY OR PARISH Apache
		13. STATE Arizona

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input 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 checked="" type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(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.)

2/13/67. Drilled to TD 1687. Logged. We plan to P&A as follows  
Set plugs from 1400-1500 w/100 sx  
700-850 w/100 sx.



18. I hereby certify that the foregoing is true and correct  
SIGNED Harold C. Nichols TITLE Senior Production Clerk DATE February 20, 1967  
(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:  
3 - USGS Farmington  
2 copies Arizona O&G Conservation Commission - Phoenix  
Permit #375  
API 002-001-2002  
\*See Instructions on Reverse Side

CONFIDENTIAL

Vertical stamp: RECEIVED STATE O&G COMMISSION FEB 21 1967

Form 2-351  
(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.

5. LEASE DESIGNATION AND SERIAL NO.

AR-035020

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal "C"

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat-Lyman Project

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

Sec. 22-T11N-R28E

12. COUNTY OR PARISH 13. STATE

Apache

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 - Holbrook Area

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  
1980' FNL 1980' FWL

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, WT, GR, etc.)  
6053' GR

10. 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"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(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.)\*

Spud 2-8-67. Drill to 68'. Ran 13-3/8" 40# casing set at 68' w/ 125 sx. cement. W.O.C. Now drilling ahead.



18. I hereby certify that the foregoing is true and correct  
SIGNED Harold C. Nichols TITLE Senior Production Clerk DATE February 13, 1967  
(This space for Federal or State office use)

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

- 1-File
  - 3-USGS-Farmington
  - 2-Arizona O&GCC-Phoenix
- \*See Instructions on Reverse Side



# 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 #1 ~~APACHE~~ <sup>Federal C</sup>  
(WELL NAME)

located 1980' FNL & FWL (SE NW)  
1255' FNL and 400' FNL (SW SW)

Section 31 ~~22~~ Township 12N ~~7N~~ Range 13E ~~28E~~, Navajo ~~Apache~~ County, Arizona.

The S/2 ~~SW/4~~ <sup>NW/4</sup> 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 December, 19 66.

PRIOR TO BEING ALLOWED TO PRODUCE THIS WELL YOU MUST BE IN FULL COMPLIANCE WITH RULE 105, SECTION A THRU G (SPACING), WITH RESPECT TO THE PRODUCT TO BE PRODUCED.

OIL AND GAS CONSERVATION COMMISSION

By John J. Zimmerman  
EXECUTIVE SECRETARY

*Relocation Application  
Approved 2-2-67*

PERMIT No 375

RECEIPT NO. 9469

State of Arizona  
Oil & Gas Conservation Commission  
Permit to Drill

FORM NO. 27

**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 Tenneco Oil Company DATE January 31, 1967

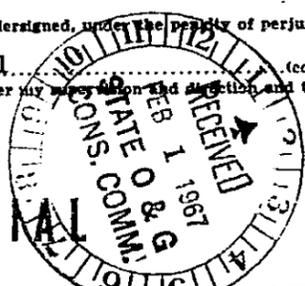
Address Durango City Colorado State 81301

P. O. Box 1714

**DESCRIPTION OF WELL AND LEASE**

Federal, State or Indian Lease Number or name of lessor, if fee lease <u>Federal "C" AR 035880</u>	Well number <u>1</u>	Elevation (ground) <u>6053 GR</u>
Well location and acreage dedicated to the well (give footage from section lines) <u>1980 FNL, 1980 FWL</u>		
Section—township—range or block & survey <u>Section 22, T-11-N, R-28-E</u>		
Field & reservoir (if wildcat, so state) <u>Wildcat Lyman Project</u>	County <u>Holbrook Area Apache</u>	
Distance, in miles, and direction from nearest town or post office		
Nearest distance from proposed location to property or lease line: <u>660</u> feet	Distance from proposed location to nearest drilling, completed or applied—for well on the same lease: <u>None</u> feet	
Proposed depth: <u>2150</u>	Rotary or cable tools <u>Rotary</u>	Approx. date work will start <u>February 9, 1967</u>
Number of acres in lease: <u>1391.90</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 <u>on file</u> Or attached	Filing Fee of \$25.00 Attached <u>No *</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)		
<p>We plan to drill to approximate T.D. 2150. Set casing as shown on reverse side. Log and complete as an oil well if productive. Run 2-3/8" tubing and conduct potential tests.</p> <p>*Note: Please transfer permit #375 from the Aztec Land No. 1 SE Section 31, T-12-N, R-19-E, Navajo County, Arizona which will not be drilled.</p> <p>*Fill in Proposed Casing Program on reverse side</p>		
<p>CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the <u>Senior Production Clerk</u> of the <u>Tenneco Oil</u> (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.</p> <p style="text-align: right;">Signature <u>Harold C. Nichols</u> Date <u>January 31, 1967</u></p>		
Permit Number: <u>375 (Formerly Aztec Land #1) will not be drilled</u>	STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Application to Drill, Deepen or Plug Back and Plat File Two Copies	
Approval Date: <u>7-3-67</u>		
Approved By: <u>John Jannister</u>		
<p>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</p>		
Form No. 3		

**CONFIDENTIAL**



- 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 four 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 four 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 style="text-align: right;"><i>Harold C. Nichols</i></p> <p>Name <b>Harold C. Nichols</b>            Position <b>Senior Production Clerk</b>            Company <b>Tenneco Oil Company</b>            Date <b>January 31, 1967</b></p> <p>I hereby certify that the well location shown on the plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.</p> <p>Date Surveyed _____            Registered Professional Engineer and/or Land Surveyor _____</p> <p>Certificate No. _____</p>

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

**PROPOSED CASING PROGRAM**

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
13-3/8"	48#	J-55	0	50'	Cement to Surface	
8-5/8"	24#	J-55	0	800'	0-800 cement to surface	
4-1/2"	9.5#	J-55	0	2150'	Cement with sufficient cement to bring top of cement 200' above uppermost productive zone.	

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**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 12-20-66

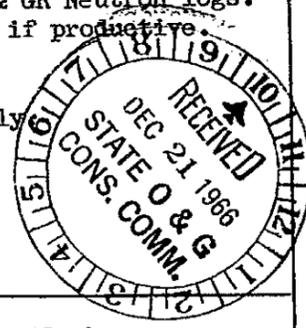
Tenneco Oil Company

Address City State

Box 1714 Durango Colorado 81301

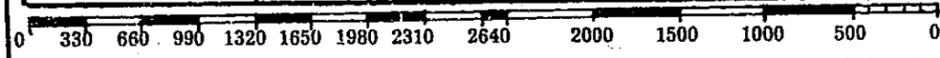
**DESCRIPTION OF WELL AND LEASE**

Federal, State or Indian Lease Number or name of lessor, if fee lease <b>Aztec Land (Fee Lease)</b>	Well number <b>1</b>	Elevation (ground) <b>6495' GR</b>
Well location and acreage dedicated to the well (give footage from section lines) <b>1255' FEL 400' FSL</b>		Section—township—range or block & survey <b>Sec. 31-T12N-R19E-G&amp;SRM</b>
Field & reservoir (If wildcat, so state) <b>Wildcat (Clay Spring Area)</b>	County <b>Navajo</b>	
Distance, in miles, and direction from nearest town or post office		
Nearest distance from proposed location to property or lease line: <b>400 feet</b>	Distance from proposed location to nearest drilling completed or applied—for well on the same lease: <b>None - Wildcat feet</b>	
Proposed depth: <b>1700'</b>	Rotary or cable tools <b>Rotary</b>	Approx. date work will start <b>January 26, 1967</b>
Number of acres in lease: <b>2084.29</b>	<b>s/2 SE/4</b> <b>80 acres dedicated</b>	Number of wells on lease, including this well, completed in or drilling to this reservoir: <b>None - Wildcat</b>
If lease, purchased with one or more wells drilled, from whom purchased: <b>None</b>		
Status and amount of bond <b>In Force</b>	Organization Report On file Or attached <b>On File</b>	Filing Fee of \$25.00 Attached <b>Yes</b>
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. 1700'. Run GR Induction, GRD & GR Neutron logs. Run casing as shown on reverse side. Complete as a single oil well if productive. Run 2-3/8" tubing and test potential.		
Note: Unorthodox location - letter for approval forwarded previously		
<b>CONFIDENTIAL</b>		
Release Date _____ (Over)		
CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the <u>Senior Production Clerk</u> of the <u>Tenneco Oil Company</u> (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.		
<i>Harold C. Nichols</i> Signature <b>Harold C. Nichols</b>		
<b>CONFIDENTIAL</b>		
December 20, 1966 Date		
Permit Number: <b>375</b>	STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Application to Drill, Deepen or Plug Back and Plat File Two Copies	
Approval Date: <b>12-21-66</b>		
Approved By: <i>John Kammister</i>		
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		
Form No. 3 (Check Attached)		



- 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 four 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 four 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 style="text-align: right;"><i>Harold C. Nichols</i></p> <p>Name <u>Harold C. Nichols</u>            Position <u>Senior Production Clerk</u>            Company <u>Tenneco Oil Company</u>            Date <u>December 20, 1966</u></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
8-5/8"	24#	J-55	0	800'	800'	Cement to surface. Cement w/ volume to cover 200' above uppermost productive zone.
4-1/2"	10.5#	J-55	0	1700'	1700'	

COMPANY TENNECO OIL COMPANY

Well Name & No. FEDERAL G-1

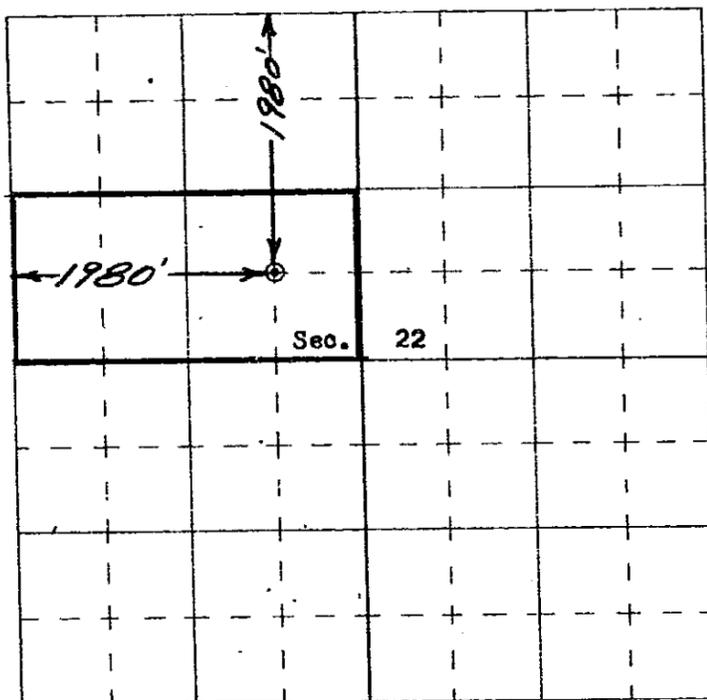
Lease No. AR 035880

Location 1980' FROM THE NORTH LINE & 1980' FROM THE WEST LINE

Being in center SE NW

Sec. 22, T 11 N., R 28 East, G & SRM, Apache County, Arizona

Ground Elevation 6053' ungraded



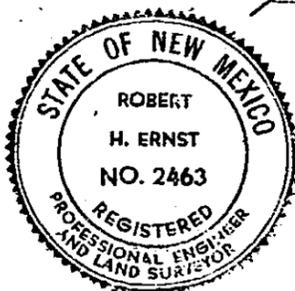
Scale -- 4 inches equals 1 mile

Surveyed 30 January, 19 67

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 2463

375

COMPANY TENNECO OIL COMPANY

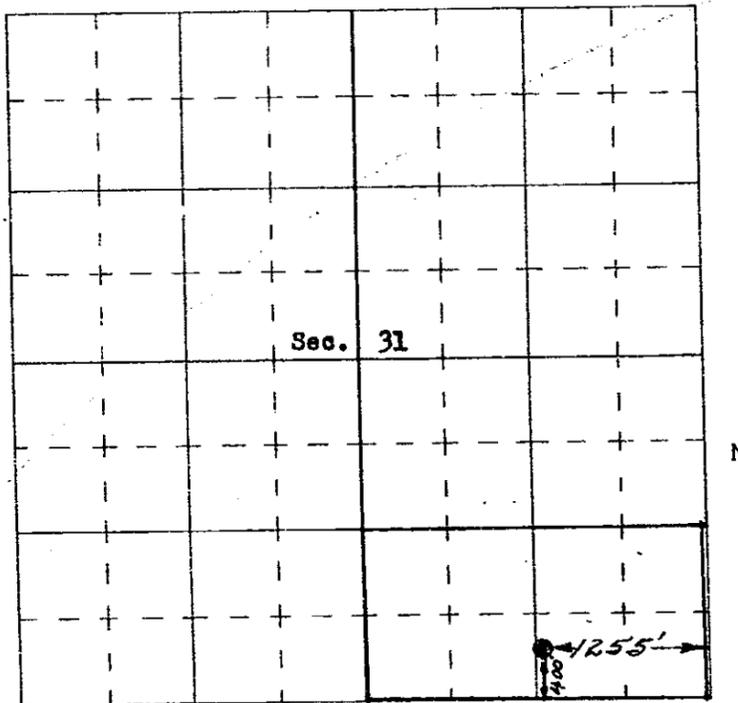
Well Name & No. AZTEC LAND No. 1 Lease No. \_\_\_\_\_

Location 400' FROM THE SOUTH LINE & 1255' FROM THE EAST LINE

Being in W $\frac{1}{2}$  SW SE SE

Sec. 31, T12 N., R19 E., G & SRM, Navajo County, Arizona

Ground Elevation 6495' ungraded



Scale -- 4 inches equals 1 mile

Surveyed 8 December 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



Registered Professional  
Engineer and Land Surveyor.

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

September 10, 1969

Mr. Ted L. Strickland  
Rocky Mountain Well Log Service Co.  
1753 Champa Street  
Denver, Colorado 80202

Re: Permits 235 and 375

Dear Mr. Strickland:

Enclosed is the only log we have on the Franklin, Ashton,  
and Fair, Inc., #C-1, N.M. Ariz. Land Company fee.  
Please return this log when it has served its purpose.

Tenneco Oil Company #1 Aztec Land Company well was re-  
located and drilled as the Tenneco Oil Company #1 C  
Federal. That well is located in the SE/4 NW/4 of Sec-  
tion 22, Township 11 North, Range 28 East, Apache  
County, Arizona; hence, there are no logs on the #1  
Aztec Land Company well you requested. We are willing  
to provide logs on that well should you request them.

Yours truly,

James A. Lambert  
Administrative Assistant

/vb

Enc.

# Rocky Mountain Well Log Service Co.

1753 Champa Street

DENVER, COLORADO

266-0588 Area Code 303

80202

BOB ANDREWS, Division Manager



September 9, 1969

CASPER, WYOMING

Bob Fitzgerald  
600 So. David  
234-6921

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

MIDLAND, TEXAS

David Clark  
105 West Wall  
MU 2-0591

Dear Mr. Bannister,

May I get from you the logs for the wells on the attached release sheets? Your prints will be returned immediately upon completion. Thank you in advance for your assistance.

Very truly yours,

A handwritten signature in cursive script that reads "Ted L. Strickland".  
Ted L. Strickland



TLS:ka

# 375

# Rocky Mountain Well Log Service Co.

1753 Champa Street

266-0588 Area Code 303

DENVER, COLORADO

80202

BOB ANDREWS, Division Manager



May 21, 1969



CASPER, WYOMING  
Bob Fitzgerald  
124 No. Wolcott St.  
234 6921

Tenneco Oil Co.  
1200 Lincoln Tower Bldg.  
Denver, Colorado 80203

*395-9920*

MIDLAND, TEXAS  
David Clark  
105 West Wall  
MU 2-0591

Mr. Boler:

May we release the Electrical, Sonic and Radioactivity surveys run on the:

#1 Aztec Land Company  
31-12N-19E SE SE  
Apache, Arizona

*Relocated  
RENAMED*

If these surveys are satisfactory to release, please sign the authorization below and return in the enclosed envelope. Two reduced scale complimentary copies of each log released will be sent you immediately.

Thank you for your cooperation.

Very truly yours,

Rocky Mountain Well Log Service Co.

*Ted Strickland*

By: Ted Strickland

*# 375*

Logs Released to:  
Rocky Mountain Well Log Service Co.

*William E. Boler*  
(Signature of authorized official)



Logs on the above were run by:

Schlumberger  
 McCullough  
 Welex

Dresser-Atlas  
 Wireline  
 OWP

Other \_\_\_\_\_  
 No logs run



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: *Alfred 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: 271-5181  
PHOENIX, ARIZONA, 85007

U. S. F. & G.



Always have a Present Model  
Navajo



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

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Signed, sealed this 25 day of January, 1968.

UNITED STATES FIDELITY AND GUARANTY COMPANY

BY: *Alpuda 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

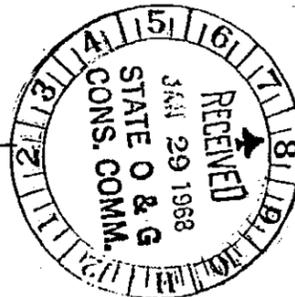
PLEASE COMPLETE THE ACKNOWLEDGMENT AND RETURN ONE COPY TO US.

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.



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

375

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

nr

enc: Form 4, Well Completion Report  
Form 26, Water Well Acceptance

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February 7, 1967

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

Attention: Mr. Harold C. Nichols

Re: Tenneco Oil #1 Federal C  
1980 FNL and FWL, SE NW 22-11N-28E Apache County, Arizona  
Permit 375

Gentlemen:

Enclosed is approved copy of Application to Drill captioned well which is being drilled instead of the #1 Aztec Land. Also enclosed is revised copy of the Permit to Drill showing this change.

Very truly yours,

John Bannister  
Executive Secretary  
mr  
enc

375



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

January 3, 1967

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

Dear Mr. Bannister:

Please keep all information confidential for six months on  
the following "tight" wells:

Federal "B" No. 1  
1980' FNL, 1980' FEL  
Section 4, T-10-N, R-24-E  
Apache County, Arizona  
Permit No. 370

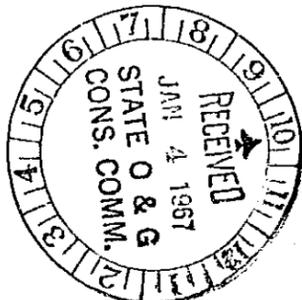
Aztec Land No. 1  
400' FSL, 1255' FEL  
Section 31, T-12-N, R-19-E  
Navajo County, Arizona  
Permit No. 375

Very truly yours,

TENNECO OIL COMPANY

Don B. Brown  
District Exploration Superintendent

HCN:hes



375

December 15, 1966

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

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

Re: Aztec Land No. 1  
31-12N-9E, Navajo County, Arizona

Gentlemen:

Your letter of December 13, 1966 concerning the captioned location is acknowledged.

Please be advised that the location requested by you is satisfactory to this Commission and will be approved.

However, we do not have before us an application for a permit to drill covering the captioned well. As soon as the proper application and fee are received a permit can be issued for the desired location.

If we may be of further help, please advise.

Yours very truly,

John Bannister  
Executive Secretary  
nr

375



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

December 13, 1966

Arizona Oil & Gas Conservation Commission  
Suite 202  
1624 West Adams Street  
Phoenix, Arizona

Attention: Mr. John Bannister

Re: Unorthodox Location  
Aztec Land No. 1  
1255' FEL, 400' FSL  
Section 31, T-12-N, R-9-E  
Navajo County, Arizona  
S/2 80 Acres of SE/4 Dedicated

Gentlemen:

Request unorthodox location be approved on the above location. A high ridge on the east and west side of above location prevents the staking of a standard location.

Tenneco Oil Company owns all of the adjoining leases to the above location.

Very truly yours,

TENNECO OIL COMPANY

*Robert E. Siverson*  
Robert E. Siverson  
District Production Superintendent

HCN:hes

Attachment

375

COMPANY TENNECO OIL COMPANY

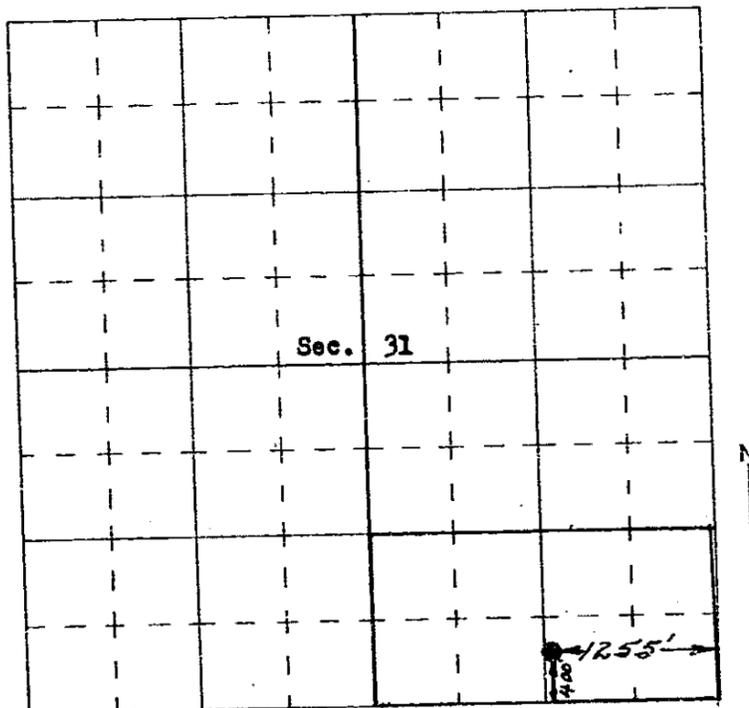
Well Name & No. AZTEC LAND NO. 1 Lease No. \_\_\_\_\_

Location 400' FROM THE SOUTH LINE & 1255' FROM THE EAST LINE

Being in W $\frac{1}{2}$  SW SE SE

Sec. 31, T12 N., R19 E., G & SRM, Navajo County, Arizona

Ground Elevation 6495' ungraded



Scale -- 4 inches equals 1 mile

Surveyed 8 December 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 2463

375

**TENNECO OIL COMPANY**  
 DURANGO, COLORADO  
**REMITTANCE STATEMENT**

DATE	INVOICE NO.	PARTICULARS	AMOUNT	DISCOUNT	NET	
12/20/66		Filing Fee for AZTEC LAND #1	\$25.00		\$ 25.00	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33

TAXPAYER IDENTIFICATION NO. \_\_\_\_\_