

11-3-64

Information Request

~~CONFIDENTIAL~~



P-W

Texaco Inc. Navajo - AM
NE/4-NW/4 Sec 36-Twp 39N-R21E
Navajo, County

370

COUNTY Navajo AREA Dinnehotso LEASE NO. 14-20-603-8174

WELL NAME Texaco¹ Navajo -AM

LOCATION NE NW SEC 36 TWP 39N RANGE 21E FOOTAGE 660' FNL 1980' FWL
 STATUS P&A TOTAL
 ELEV 5504' GR 5513' KB SPUD DATE 3-13-64 COMP. DATE 4-21-64 DEPTH 7182'

CONTRACTOR 5516'

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH	DRILLED BY ROTARY
<u>10 3/4</u>	<u>118'</u>	<u>100 Sks</u>	<u>NA</u>	<u>x</u>
<u>7 5/8</u>	<u>1115'</u>	<u>363 Sks</u>		

DRILLED BY CABLE TOOL _____
 PRODUCTIVE RESERVOIR _____
 INITIAL PRODUCTION P&A

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
DeChelly	2818'	x	x	
Organ Rock	3493'			
Honaker Trail	4810'			
Molas	5981'			
Leadville	6043'			
Ouray	6424'			
Elbert	6516'			
McCracken	6786'			
Aneth	6862'			
Pre-Cambrian	7012'			

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG
<u>Amplitude Sonic; GR</u> <u>Sonic, IE</u>			<u>Am Strat</u> SAMPLE DESCRP. _____ SAMPLE NO. <u>1283</u> CORE ANALYSIS _____ DSTs <u>x</u> <u>Tucson 2010</u>

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

WATER WELL ACCEPTED BY _____

BOND CO. Lumbermen's Mutual Casualty Co. INA BOND NO. 5 5-181 275 M 126180
 DATE _____ ORGANIZATION REPORT _____
 BOND AMT. \$ 25,000 CANCELLED 4-23-97
 FILING RECEIPT 9369 LOC. PLAT x WELL BOOK x PLAT BOOK x
 API NO. 02-017-00270 DATE ISSUED 3-9-64 DEDICATION E/2 NW/4

PERMIT NUMBER 270
 (over) Release Date 11-3-64

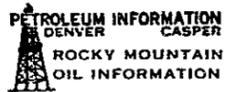
CONFIDENTIAL

ARIZONA
NAVAJO CO.
WELDCAT (W)

OPR: Texaco Inc

ELEV: 5513 RT

TOPS: Log-~~5322~~
DeChelly 2818
Organ Rock 3493
Honaker Trail 4810
Molas 5981
Leadville 6043
Ouray ls 6424
Elbert 6516
McCracken 6786
Aneth 6862
preCambrian 7012



Twp 39n-21e
Section 36
ne nw
660 s/n 1980 e/w

WELL #: 1 Navajo-AM

DSTS. & CORES:	SPUD: 3-13-64	COMPL: 4-23-64
Crd 6852-6902, rec 2 1/2 sh; 18 dolo, dense; 11 dolo, scatt vugs; 15 1/2 dolo, dense; 1 sh; 2 dolo, dense; sli bleeding oil. Crd 6902-12, rec 4 dolo, very fine xln; 2' 8" sh; 7 dolo, sli bleeding oil. DST 6945-7081 open 45 mins, rec 60 mud, no details available. DST 5313-40, open 2 hrs, rec 3860 mud, misrun, pkr failed.	TD: 7182	PB:
	CSG: 10-3/4" @ 118 w/100 7-5/8" @ 1115 w/300	
	PERF:	
	PROD. ZONE:	
	INIT. PROD: D&A	

Contr: Arapahoe

ARIZ9-561150

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: **TEXACO Inc.** Address: **Box 810, Farmington, New Mexico, 87401**

Lease Name: **Navajo Tribe "AM"** Well Number: **1** Field & Reservoir: **Undesignated (Wildcat)**

Location: **660' from North Line and 1980' from West Line, Sec. 36, T-39N, R21E, G&SRM**

County: **Navajo** Permit number: **270** Date Issued: **3-9-64** Previous permit number: **-** Date Issued: **-**

Date spudded: **3-13-64** Date total depth reached: **4-21-64** Date completed, ready to produce: **Dry hole** Elevation (DF, RKB, RT, or Gr.): **5513 RT** feet Elevation of casing hd. flange: **-** feet

Total depth: **7182'** P.E.T.D.: **-0-** 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): **7182'** Cable tools used (Interval): **-**

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

Type of electrical or other logs run (check logs filed with the commission): **Gamma Ray Sonic, Amphitude Sonic, Induction-Electric** Date filed: **To be filed as soon as finished**

CASING RECORD

Purpose	Size hole drilled	Size casing set	Weight (lb./ft.)	Depth set	Sacks cement	Amt. pulled
Conductor	13-3/4"	10-3/4"	32.75#	118'	100	None
Surface	9-7/8"	7-5/8"	24#	1115'	365	None

TUBING RECORD

LINER RECORD

Size	Depth set	Packer set at	Size	Top	Bottom	Sacks cement	Screen (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	-	-	None	-

INITIAL PRODUCTION

Date of first production: **Dry hole** Producing method (indicate if flowing, gas lift or pumping--if pumping, show size & type of pump): **-**

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

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

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

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the **District Superintendent** of the **TEXACO Inc.** (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.

CONFIDENTIAL

April 24, 1964
Date

[Signature]
Signature

STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION
Well Completion or Recompletion Report and Well Log
Form No. P-7
Authorized by Order No. **4-8-59**
Effective **April 6, 1959**

270

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	FORMATION TOPS	Description*
Sand & Rock	0	118	DeChelly	2818
Sand & Shale	118	263	Organ Rock	3493
Sand & Red Bed	263	247	Honaker Trail	4810
Sand & Shale	247	1060	Molass	5981
Shale	1060	1110	Leadville	6043
Sand & Shale	1110	3894	Ouray	6424
Shale	3894	3934	Elbert	6516
Shale & Sand	3934	4418	McCracken	6786
Shale	4418	4429	Aneth	6862
Shale & Sand	4429	4881	PreCambrian	7012 (-1496)
Lime, Sd. & Sh.	4881	5376		
Lime, Sd. & Chert	5376	5724		
Lime, Sd. & Sh.	5724	6320		
Lime & Dolomite	6320	6383		
Lime SH & Sd.	6383	6437		
Lime, Dolomite & Sh.	6437	6512		
Lime & Dolomite	6512	6571		
Lime, Dolomite & Sd.	6571	6609		
Lime, Dolomite & Quartzite	6609	6675		
Lime, Sd. & Dolomite	6675	6912		
Dolomite	6912	6998		
Lime & Dolomite	6998	7046		
Lime, Sd. & Sh.	7046	7182		
Total Depth	7182			

DST #1, 6945' to 7081'. Tool open 45 minutes with no blow, by passed tool after 30 minutes. Recovered 60' of drilling mud with no show of oil or gas.
 DST #2 - 5340' to 5313'. Opened tool 5 minutes with weak to strong blow and shut-in for 30 minutes buildup. Opened tool 15 minutes and packers failed. Reset packer 2 feet lower. Opened tool 2 hours with strong blow at beginning of test declining to a weak blow after 30 minutes. Recovered 3360' of drilling mud with no show of oil or gas.
 DST #3, 6130' to 6146'. Test failed, due to not being able to seat packers.

DST #4- 6320' to 6340'. Test failed, due to not being able to seat packers.
 DST #5- 6794' to 6807'. Test failed, due to not being able to seat packers.

Core #1 - 6852' to 6902'. Recovered 50'; 2.5' Red shale, 18' Buff dense dolomite, 11' same with scattered vugs, 15.5' dense buff dolomite, 1' shale, 2' dense buff dolomite with slight bleeding of oil.

Core #2 - 6902' to 6912'. Recovered 10'; 4" buff very fine crystalline dolomite, 2' 8" black shale, 7' buff gray dolomite with slight bleeding of oil.

All measurements from rotary table, 12-1/2' above ground level.



* 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 PENETRATED

Formation	Top	Bottom	FORMATION TOPS	Description*
Sand & Rock	0	118	DeCnelly	2818
Sand & Shale	118	263	Organ Rock	3493
Sand & Red Bed	253	247	Honaker Trail	4810
Sand & Shale	247	1050	Molass	5981
Shale	1050	1110	Leadville	6043
Sand & Shale	1110	3894	Ouray	6424
Shale	3894	3934	Elbert	6516
Shale & Sand	3934	4418	McCracken	6786
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Shale & Sand	4429	4881	PreCambrian	7012 (-1496)
Lime, Sd. & Sn.	4881	5376		
Lime, Sd. & Chert	5376	5724		
Lime, Sd. & Sh.	5724	6320		
Lime & Dolomite	6320	6383		
Lime Sh & Sd.	6383	6437		
Lime, Dolomite & Sh.	6437	6512		
Lime & Dolomite	6512	5571		
Lime, Dolomite & Sd.	5571	5609		
Lime, Dolomite & Quartzite	5609	5675		
Lime, Sd. & Dolomite	5675	6912		
Dolomite	6912	6998		
Lime & Dolomite	6998	7046		
Lime, Sd. & Sh.	7046	7182		
Total Depth	7182			

DST #1, 6945' to 7081'. Tool open 45 minutes with no blow, by passed tool after 30 minutes. Recovered 60' of drilling mud with no show of oil or gas.

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DST #3, 6130' to 6145'. Test failed, due to not being able to seat packers.

DST #4- 6320' to 6340'. Test failed, due to not being able to seat packers.

DST #5- 6794' to 6807'. Test failed, due to not being able to seat packers.

Core #1 - 6852' to 6902'. Recovered 50'; 2.5' Red shale, 18' Buff dense dolomite, 11' same with scattered vugs, 15.5' dense buff dolomite, 1' shale, 2' dense buff dolomite with slight bleeding of oil.

Core #2 - 6902' to 6912'. Recovered 10'; 4" buff very fine crystalline dolomite, 2' 8" black shale, 7' buff gray dolomite with slight bleeding of oil.

All measurements from rotary table, 12-1/2' above ground level.



* 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.

CONFIDENTIAL

PLUGGING RECORD

Operator TEXACO Inc.		Address Box 810, Farmington, N.M., 87401	
Name of Lease Navajo Tribe "AM"	Well No. 1	Field & Reservoir Undesignated (Wildcat)	
Location of Well 660' from North Line & 1980' from West Line; 36, T39N, R21E, G&SRM Navajo		Sec-Twp-Rge or Block & Survey County	
Application to drill this well was filed in name of TEXACO Inc.	Has this well ever produced oil or gas No	Character of well at completion (initial production): Oil (bbls/day) Gas (MCF/day) Dry? - - Dry	
Date plugged: 4-23-64	Total depth 7182'	Amount well producing when plugged: Oil (bbls/day) Gas (MCF/day) Water (bbls./day) - - -	
Name of each formation containing oil or gas. Indicate which formation open to well-bore at time of plugging	Fluid content of each formation	Depth interval of each formation	Size, kind & depth of plugs used indicate zones squeeze cemented, giving amount cement.
None			

CASING RECORD

Size pipe	Put in well (ft.)	Pulled out (ft.)	Left in well (ft.)	Give depth and method of parting casing (shot, ripped etc)	Packers and shoes
10-3/4"	118'	None	118'	-	None
7-5/8"	1115'	None	1115'	-	Baker Shoe

Was well filled with mud-laden fluid, according to regulations? **Yes**

Indicate deepest formation containing fresh water.

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

Name	Address	Direction from this well:
None		

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

Use reverse side for additional detail
File this form in duplicate with the State of Arizona Oil & Gas Conservation Commission

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the District Superintendent of the TEXACO Inc. (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.

CONFIDENTIAL

April 24, 1964
Date

[Signature]
Signature

STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION
Plugging Record File two copies
Form No. P-15
Authorized by Order No. 4-6-59
Effective April 6, 19 59

3 270



1934



CONFIDENTIAL

APPLICATION TO ABANDON AND PLUG

FIELD Undesignated (Wildcat)
OPERATOR TEXACO Inc. ADDRESS Box 810, Farmington, N.M., 87401
LEASE Navajo Tribe "AM" WELL NO. 1 COUNTY Navajo
SURVEY G&SRM SECTION 36 DRILLING PERMIT NO. 270
LOCATION 650' from North Line and 1980' from West Line, Section 36, T-39-N, R-21-E, G & SRM Survey
TYPE OF WELL Dry Hole TOTAL DEPTH 7182'
(Oil, Gas or Dry Hole)
ALLOWABLE (If Assigned)
LAST PRODUCTION TEST OIL - (Bbls.) WATER - (Bbls.)
GAS - (MCF) DATE OF TEST -
PRODUCING HORIZON - PRODUCING FROM - TO -
1. COMPLETE CASING RECORD 10-3/4" O.D. 32.75# casing set at 118'. 7-5/8" O.D. 2 1/2# casing set at 1115'.

2. FULL DETAILS OF PROPOSED PLAN OF WORK Spot 25 sack cement plug from 6750' to 6850', 50 sack plug from 6000' to 6100', 35 sack plug from 4750' to 4850', 25 sack plug from 2800' to 2900', and 10 sack plug in top of hole. A 4" pipe marker will be cemented in top of hole with at least 4' extending above the ground level.

If well is to be abandoned, does proposed work conform with requirements of Rule 202? yes. If not, outline proposed procedure above.

DATE COMMENCING OPERATIONS April 22, 1964
NAME OF PERSON DOING WORK C. G. Hogue ADDRESS Cortez, Colorado
CORRESPONDENCE SHOULD BE SENT TO TEXACO Inc., Box 810, Farmington, New Mexico

CONFIDENTIAL

Date Approved 5-4-64

NOTE: Verbal approval to plug in above manner received from Mr. John Bannister on April 22, 1964

NAME C. P. Bannister
TITLE District Superintendent
John W. Bannister
STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Application to Abandon and Plug
Form No. 15A File 2 Copies
Authorized by Order No. 4-6-59
Effective April 6, 1959



Form 9-331
(May 1963)

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NO. 14-20-0603-3174	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo	
7. UNIT AGREEMENT NAME	
8. FARM OR LEASE NAME Navajo Tribe "AM"	
9. WELL NO. 1	
10. FIELD AND POOL, OR WILDCAT Wildcat	
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 36, T39N, R21E, G&SRM	
12. COUNTY OR PARISH Navajo	13. STATE Arizona
14. PERMIT NO.	15. ELEVATIONS (Show whether DV, RT, GR, etc.) 5513' RT

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"/>	(Other) <input checked="" 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.)

Total Depth 7182'

Well was plugged and abandoned as follows:

Spotted 25 sack cement plug from 6750' to 6850', 50 sack plug from 6000' to 6100', 35 sack plug from 4750' to 4850', 25 sack plug from 2800' to 2900' and 10 sack plug in top of hole. A 4" pipe marker was cemented in top of hole with 4' extending above the ground level.

Completed plugging operations and cleaned up location on 4-23-64.

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

SIGNED SIGNED: C. P. FARMER TITLE District Superintendent DATE August 20, 1965

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

U309 (3), RT (1), OGCC (2), WDB (1), CBS (1)

H 279/

Form 9-311
(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 <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Wildcat		5. LEASE DESIGNATION AND SERIAL NO. 14-20-0603-8174
2. NAME OF OPERATOR Texaco Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo
3. ADDRESS OF OPERATOR P. O. Box 810, Farmington, New Mexico 87401		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface		8. FARM OR LEASE NAME Navajo Tribe "AM"
13. PERMIT NO.		9. WELL NO. 1
14. ELEVATIONS (Show whether DF, RT, GR, etc.) 5513' RT		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC. T., S., M., OR BLK. AND SURVEY OF AREA 36, T30N, R21E, G4SRM
		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"/>	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"/>	(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.)*

Total Depth 7182'

Well was plugged and abandoned as follows:

Spotted 25 sack cement plug from 6750' to 6850', 50 sack plug from 6000' to 6100', 35 sack plug from 4750' to 4850', 25 sack plug from 2800' to 2900' and 10 sack plug in top of hole. A 4" pipe marker was cemented in top of hole with 4' extending above the ground level.

Completed plugging operations and cleaned up location on 4-23-64.

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

SIGNED SIGNED: C. P. FARMER TITLE District Superintendent DATE August 20, 1965

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Form 9-331
(May 1963)

CONFIDENTIAL
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.
14-20-0503-8174

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Navajo Tribe "AM"

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA
36,39-N, 21-E, GASRM

12. COUNTY OR PARISH
Navajo

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**

2. NAME OF OPERATOR
TEXACO Inc.

3. ADDRESS OF OPERATOR
Box 810, Farmington, New Mexico

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

660' from North Line and 1980' from West Line

14. PERMIT NO.
-

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5513 RT

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 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"/>	

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.)*

Total Depth 7182'

After drilling well to a total depth of 7182' without encountering any commercial production, we propose to plug and abandon as follows:

Spot 25 sack cement plug from 6750' to 6850', 50 sack plug from 6000' to 6100', 35 sack plug from 4750' to 4850', 25 sack plug from 2800' to 2900', and 10 sack plug in top of hole. A 4" pipe marker will be cemented in top of hole with at least 4' extending above the ground level.

NOTE: Verbal approval to plug this well in above manner was received from USGS on 4-22-64.

CONFIDENTIAL

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

SIGNED *C. P. Hamm* TITLE **District Superintendent** DATE **April 24, 1964**

(This space for Federal or State office use)

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

CONFIDENTIAL

Form 9-331
(May 1963)

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN THIS MANNER
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.
14-20-0603-8174

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Navajo Tribe "AM"

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. BROS. T. E. M., OR BLES. AND SURVEY OR AREA
36, 39-N, 21-E, GOSRM

12. COUNTY OR PARISH 13. STATE
Navajo 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
TEXACO Inc.

3. ADDRESS OF OPERATOR
Box 810, Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
660' from North Line and 1980' from West Line

14. PERMIT NO. **-**

15. ELEVATIONS (Show whether DF, ST, CR, etc.)
5513 RT

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 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.)*

Spudded 5:30 AM, March 13, 1964

Drilled 13-3/4" hole to 118' and cemented 105' of 10-3/4" casing at 118' with 100 sacks of neat cement with 2% calcium chloride added. Cement circulated.

Drilled 9-7/8" hole to 1115' and cemented 1102' of 7-5/8" casing at 1115' with 250 sacks of 12% gel and 50 sacks of neat cement with 2% calcium chloride added. Cement circulated. Cement fell and casing was recemented with 65 sacks of neat cement from surface. Tested casing with 800 PSI for 30 minutes. Casing tested OK.

CONFIDENTIAL

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

SIGNED *O.P. Gamm* TITLE **District Superintendent** DATE **April 24, 1964**

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

CORRECTED APPLICATION

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

APPLICATION TO DRILL DEEPEN PLUG BACK

NAME OF COMPANY OR OPERATOR		DATE
TEXACO Inc.		March 5, 1964
Address	City	State
Box 810	Farmington	New Mexico
DESCRIPTION OF WELL AND LEASE		
Name of lease	Well number	Elevation (ground)
Navajo Tribe "AM"	1	5504'
Well location (give footage from section lines)	Section—township—range or block & survey	
660' FNL and 1980' FWL	Sec. 36, T-39-N, R-21-E, G&SRM	
Field & reservoir (if wildcat, so state)	County	
Wildcat	Navajo	
Distance, in miles, and direction from nearest town or post office		
10 miles southwest of Dinnehotso, Arizona		
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:	
3300 feet	First well on lease feet	
Proposed depth:	Rotary or cable tools	Approx. date work will start
7500'	Rotary	3-10-64
Number of acres in lease:	Number of wells on lease, including this well, completed in or drilling to this reservoir:	
2560	First well on lease	
If lease, purchased with one or more wells drilled, from whom purchased:		Address
---		---
Status of bond		
\$10,000.00 Blanket bond on file		
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)		
* Fill in Proposed Casing Program on other side		
CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the <u>District Superintendent</u> of the <u>TEXACO Inc.</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.		
Date <u>March 5, 1964</u>		Signature <u>[Signature]</u>
Permit Number: <u>270</u> <u>270</u> Approval Date: <u>9 March 64</u> Approved By: <u>[Signature]</u> 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 STATE LAND COMMISSIONER Application to Drill, Deepen or Plug Back Form No. P-1 File two copies Authorized by Order No. <u>4-8-59</u> Effective <u>April 6,</u> 19 <u>59</u>	

OK
John P. [Signature]

INSTRUCTIONS

READ CAREFULLY AND COMPLY FULLY

For the purpose of this determination attach hereto a neat, accurate plat, map or sketch of this lease, section, block or lot locating thereon the proposed site for this location. Plat shall be drawn to a scale which will permit the facile observation of all pertinent data. Show distances of the proposed well from the two nearest lease and section lines, and from the nearest wells on the same lease completed in or drilling to the same reservoir. If the location requested is not in conformance with the applicable well-spacing rules, show all off-setting wells to the proposed well, and the names and addresses of all adjoining lease or property owners.

In event plat is filed for the purpose of designating the drilling and producing unit, or proration unit, on which the proposed well is to be drilled, the boundaries of such unit shall be shown, also the boundaries of all other such units attributed to other wells on the same lease completed in or drilling to the same reservoir. The acreage contained within each unit shall also be shown.

Do not confuse survey lines with lease lines. The sketch or plat should show your entire lease if possible. If it is not practical to show the entire lease and the plat shows only a section, block or lot out of your lease, you should clearly show that same is only a part of the lease.

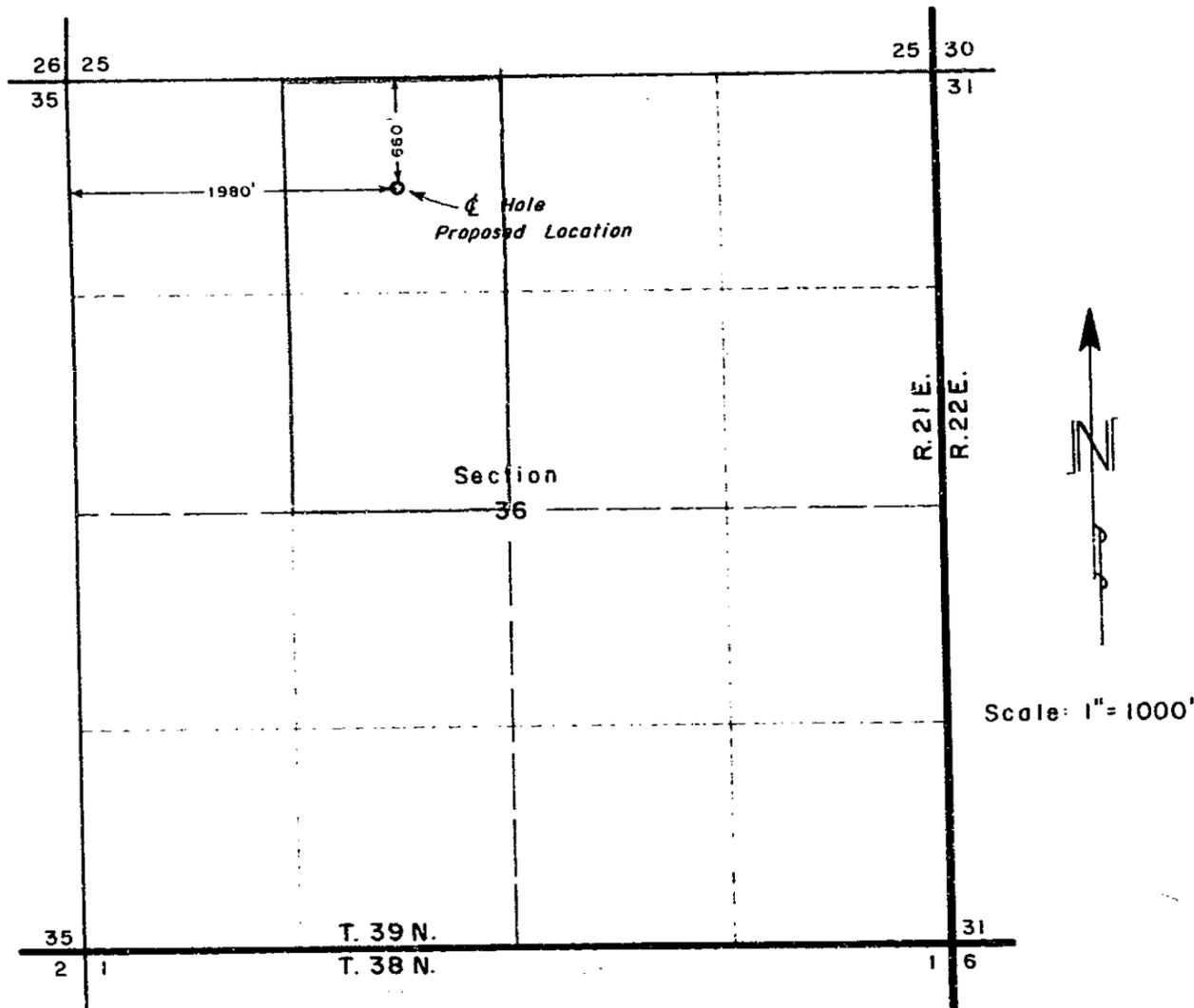
Designate scale to which plat or sketch is drawn. Also designate northerly direction on the sketch or plat.

PROPOSED CASING PROGRAM

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
10-3/4"	32.75#	H-40	0	100'	100'	Sufficient to Circulate
7-5/8"	24#	H-40	0	1100'	1100'	300
4-1/2"	9.5#	J-55	0	5300'	5300'	-
4-1/2"	10.5#	J-55	5300	6500'	6500'	-
4-1/2"	11.6#	J-55	6500	7500'	7500'	150

Form No. P-1





WELL LOCATION: Texaco Inc. - Navajo "A.M" # 1

Located 660 feet South of the North line and 1980 feet East of the West line of Section 36,
 Township 39 North, Range 21 East, Gila & Salt River Meridian,
 Navajo Co., Arizona
 Existing ground elevation determined at 5504 feet based on U.S.G.S. datum.

I hereby certify the above plat represents a survey made under my supervision and that it is accurate to the best of my knowledge and belief.

Frederick H. Reed

FREDERICK H. REED
 Registered Land Surveyor
 State of Arizona # 5313



TEXACO INC., FARMINGTON, N. MEX.

WELL LOCATION PLAT
 Sec. 36, T.39 N., R.21 E.
 Navajo Co., Arizona

CLARK-REED & ASSOC.
 Durango, Colorado

DATE Feb. 6, 1964
 FILE NO: 64004



Fife Symington
Governor

State of Arizona
Arizona Geological Survey

416 W. Congress, Suite 100
Tucson, Arizona 85701
(520) 770-3500



Larry D. Fellows
Director and State Geologist

April 23, 1997

Ms. Carole Newton
Texaco
P.O. Box 2100
Denver, CO 80201

Re: Texaco, Inc.
\$25,000 Oil Drilling Blanket Bond No. M126180
Insurance Company of North America

Dear Ms. Newton:

Our records show that neither Texaco or any of its predecessors-in-interest listed in your fax memo of 4/16/97 have any outstanding drilling or plugging obligations in Arizona. As a result, this letter serves as written permission by the Arizona Oil and Gas Conservation Commission to cancel the referenced bond.

Please advise if we may be of further assistance.

Sincerely,

Steven L. Rauzi
Oil & Gas Administrator



Texaco Exploration and Production Inc
Denver Division

P O Box 2100
Denver CO 80201
4621 DTC Boulevard
Denver CO 80237

April 21, 1997

Mr. Steven L. Rauzi
Arizona Geological Survey
416 W. Congress, Ste. 100
Tucson, AZ 85701

Dear Mr. Rauzi:

Thank you for your letter dated April 16, 1997. Texaco does request a release from the INA Oil Drilling Bond No. M126180. Please send a confirmation of release to me. Thank you for your assistance.

Very truly yours,

Carole L. Newton

Carole L. Newton
EH&S/Retained Liabilities
(303) 793-4705



Fife Symington
Governor

State of Arizona
Arizona Geological Survey

416 W. Congress, Suite 100
Tucson, Arizona 85701
(520) 770-3500



Larry D. Fellows
Director and State Geologist

April 16, 1997

Ms. Carole Newton
Texaco
P.O. Box 2100
Denver, CO 80201

270

Re: Texaco, Inc.
\$25,000 Oil Drilling Blanket Bond No. M126180
Insurance Company of North America

Dear Ms. Newton:

Our records show that Texaco maintains the referenced oil drilling blanket bond and that neither Texaco or any of its predecessors-in-interest listed in your fax memo of 4/16/97 have any outstanding drilling or plugging obligations in Arizona. We have no record of written permission by the Arizona Oil and Gas Conservation Commission to terminate liability under the bond.

A copy of the referenced bond; Barton's letter of May 7, 1979; continuation certificate dated April 30, 1981; and Wilder's letter of June 9, 1981 are enclosed for your information and file.

Please advise me at the letterhead address if you have any questions or if Texaco wishes to be released from liability under the bond.

Sincerely,

Steven L. Rauzi
Oil & Gas Administrator

Enclosures

FAX

Date 4/16/97

Number of pages including cover sheet 1

TO: AZ O&G Conservation
Commission



Phone 520-770-3500
Fax Phone 520-770-3505

FROM: Carole Newton
Texaco
P. O. Box 2100
Denver, CO 80201

Phone (303) 793-4705
Fax Phone (303) 793-4490

CC:

REMARKS: Urgent For your review Reply ASAP Please Comment

Do your records show Texaco, Inc., Texaco Exploration & Production, Inc. or Texaco USA (or any of its predecessors-in-interest listed below) as having any blanket, surface, operating or plugging bonds?

1. The Texas Company
2. Dome Petroleum Corp.
3. Tidewater
4. Skelly
5. Getty
6. Seaboard Oil Company
7. Reserve Oil, Inc.
8. Lewis Producing

If so, please list the bond(s) and the amount(s) and what the bond covers. You may respond by fax or send your response to the above mailing address. Thank you for your assistance.



PETROLEUM PRODUCTS

PRODUCING DEPARTMENT
WEST UNITED STATES
DENVER DIVISION
J. C. MENCIN, JR.
DIVISION LANDMAN

RECEIVED

MAY 10 1979

O & G CON. COM.

TEXACO INC.
P. O. BOX 2100
DENVER, COLORADO 80201
May 7, 1979

SURETY BONDS - ARIZONA
1.04-A

Oil and Gas Conservation Commission
1645 West Jefferson, Suite 420
Phoenix, Arizona 85007

In March 1975, Texaco filed with you a \$25,000.00 surety bond for compliance with the Commission rules and regulations. The Surety named in that bond is the Lumbermens Mutual Casualty Company.

Texaco now desires to file a replacement bond and secure cancellation of the presnet bond due to a change in surety. To accomplish the replacement, enclosed is a new bond with Insurance Company of North America as surety. The bond has been properly executed by an Arizona resident agent.

If the enclosed bond is satisfactory please advise us of its acceptance, and the cancellation of the prior bond.

Very truly yours,

J. C. MENCIN, Jr.

By

G. L. Barton

G. L. Barton
Supervisor (Land Records)

GLB
ms

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS

Bond Serial No. M 12 61 80

That we: Texaco Inc., a Delaware Corporation

of the County of Denver in the State of Colorado

as principal, and Insurance Company of North America

of 1050 - 17th Street, Suite 2200, Denver, Colorado 80202

AUTHORIZED TO DO BUSINESS WITHIN the State of Arizona

as surety, are held and firmly bound unto the State of Arizona and the Oil and Gas Conservation Commission, hereinafter referred to as the "Commission", in the penal sum of \$25,000.00 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 are 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:

This is a blanket bond covering all wells drilled by Principal on lands within the State of Arizona

(May be used as blanket bond or for single well)

NOW, THEREFORE, if the above bounden principal shall comply with all the provisions of the Laws of this State and the rules, regulations and orders of the 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 and Gas Conservation Commission all notices and records required by said Commission, then 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, this obligation is void; otherwise it shall remain in full force and effect.

Whenever the principal shall be, and declared by the Oil and Gas Conservation Commission in violation of the Laws of this State and the rules, regulations and orders of the Commission, the surety shall promptly:

1. Remedy the violation by its own efforts, or
2. Obtain a bid or bids for submission to the Commission to remedy the violation, and upon determination by the Commission and the Surety of the lowest responsible bidder, arrange for a contract between such bidder and the Commission, and make available as work progresses sufficient funds to pay the cost of remedying the violation; but not exceeding, including other costs and damages for which the surety may be liable hereunder, the amount set forth in the first paragraph hereof.

Liability under this bond may not be terminated without written permission of this Commission.

WITNESS our hands and seals, this 2nd day of April, 19 79

TEXACO INC.

By: J. C. [Signature]
Agent and Attorney-in-Fact Principal

WITNESS our hands and seals this 2nd day of April, 19 79

INSURANCE COMPANY OF NORTH AMERICA

By: Lisa Eacker
Attorney-in-Fact Surety Lisa Eacker
[Signature]
Surety, Resident Arizona Agent
If issued in a state other than Arizona

(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 Date: 5-10-79

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION

By: _____

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION

Seal

File Two Copies

Form No. 2

Permit No. _____

May 4, 1964

Our File No. 270

CONFIDENTIAL

Mr. C. P. Farmer, District Superintendent
Texaco Inc.
Box 810
Farmington, New Mexico

Re: Navajo Tribe "AM" Well No. 1
Section 36 - T39N - R21E, Navajo County

Dear Mr. Farmer:

This will acknowledge receipt of the Well Completion Report, Application to Abandon and Plug, and Plugging Record in connection with captioned well.

Enclosed is copy of approved Application to Abandon and Plug this well.

We are sorry the results of this drilling were not successful.

Very truly yours,

John Bannister
Executive Secretary

JB:mkc
Encl.

270

4

April 22, 1964

Mr. Fred Brock, Texaco, Farmington, New Mexico, called this office during Mr. Bannister's and Mr. Petty's absence from the office. He advised that they have U.S.G.S. approval to plug their Navajo Tribe AM Well No. 1, Navajo County, in the manner listed below, and that if they did not receive a call back from this office this afternoon, they would assume they have verbal approval to plug the well. They plan to begin plugging operations tonight.

Set 25 sacks cement plug over the McCracken formation from 6750-6850.

50 sacks plug over the top of the Mississippian from 6000-6100.

35 sacks over the top of Pennsylvanian from 4750-4850.

25 sacks plug over the top of DeChelly from 2800-2900.

10 sacks plug over the top of hole of top of 7 5/8".

Will not pull the 7 5/8.

We will set a 4 inch pipe marker as per instructions of State and also the U.S.G.S.

Have gone over the log with U.S.G.S. and this is the program U.S.G.S. set out for them.

mkc

Fred Brock: 505-325-7553, Farmington

Verbal approval given by Mr. John Bannister 4/22/64

XXXXXXXXXX

March 11, 1964

Mr. C. P. Farmer
District Superintendent
Texaco Inc.
Box 810
Farmington, New Mexico

Re: Navajo Tribe "AK" #1
Section 6 - T40N - R25E, Apache County, Arizona

Navajo Tribe "AM" #1
Section 36 - T39N - R21E, Navajo County, Arizona

Dear Mr. Farmer:

Enclosed are approved Permits to Drill above referenced locations, together with receipt for the fifty dollar filing fee.

We wish you success in these ventures.

Very truly yours,

John Bannister
Executive Secretary

JB/mkc
Encl.

TEXACO
INC.

PETROLEUM PRODUCTS



Farmington, New Mexico
March 5, 1964

NAVAJO TRIBE "AK" WELL NO. 1
APACHE COUNTY, ARIZONA

NAVAJO TRIBE "AM" WELL NO. 1
NAVAJO COUNTY, ARIZONA

Mr. John K. Petty
Oil and Gas Conservation Commission
State of Arizona
Room 202
1624 West Adams
Phoenix 7, Arizona

Dear Sir:

Reference is made to your letter of March 4, 1964, concerning the locations of our proposed subject wells. The lease names, as shown on the Applications, were in error and we have prepared corrected applications covering these wells.

In regard to the spacing of our Navajo Tribe "AK" Well No. 1, we did not know this location was irregular. It was necessary to stake this well at the location staked due to the terrain. However, according to our understanding of the spacing rules, as set out in the General Rules and Regulations, this location meets all the necessary requirements.

We appreciate your calling the errors on the applications to our attention. We also would appreciate your advising us further on the spacing rules to enable us to properly stake our locations in the future.

Very truly yours,

C. P. Farmer
C. P. Farmer
District Superintendent



*Send C.P.F. copies of
R&R Spacing for AK & AM wells
and Well Names. Also mention
7 2 forms filled out
Mar 5 sealed out
27th Mar 2.
Mailed 3/6/64
MBC*

John Bannister
XXXXXXXXXX

March 4, 1964

Mr. C. P. Farmer
Texaco Inc.
Box 810
Farmington, New Mexico

Re: Texaco Locations:
No. 1 Navajo Tribe "AM", Apache County
No. 1 Navajo Tribe "AK", Navajo County

Dear Mr. Farmer:

Thanks for your applications on the above referenced locations.

I'm returning one plat of each to be sure about designation as the footages correspond to the "other well" for each. I'm sure it's just a typographical error.

For the "AM" please write a letter stating your reasons for the irregular spacing (not on 330's). I believe it was because of topography, but you can give us a reason for our files.

I think both wells are of tremendous importance and wish you all the success on them.

Very truly yours,

John E. Petty
Petroleum Geologist

JP:mc

Encl. 2