

Release Date 8-1-68

CONFIDENTIAL



P-W

Texaco #1 NAVAJO-BF 448  
NE NE 26-6N-7W NSM Apache County

s1

COUNTY Apache AREA 13 mi S. Lukachukai LEASE NO. Nav. 14-20-0603-1200

WELL NAME Texaco #1 Navajo-BF

LOCATION NE NE SEC 26 TWP 6N RANGE 7W NSM FOOTAGE 660 FNL 660 FEL

ELEV 7689 GR 7699 KB SPUD DATE 1-27-68 STATUS                      TOTAL                       
COMP. DATE 2-11-68 DEPTH 2825'

CONTRACTOR Loffland Brothers

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH	DRILLED BY ROTARY
<u>8 5/8</u>	<u>292'</u>	<u>170 SKS</u>	<u>NA</u>	<u>                    </u>
				DRILLED BY CABLE TOOL
				<u>                    </u>
				PRODUCTIVE RESERVOIR
				<u>Wildcat</u>
				INITIAL PRODUCTION
				<u>P&amp;A</u>

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
<u>DeChelly</u>	<u>492'</u>		<u>x</u>	<u>Differs from AM Strat.</u>
<u>Organ Rock</u>	<u>1310'</u>			
<u>Hermosa</u>	<u>1768'</u>			
<u>Martin</u>	<u>2380'</u>			

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG <u>Am Strat</u>
<u>BCS;CFD;IE;GR</u>	<u>NA</u>	<u>NA</u>	SAMPLE DESCRP. <u>x</u>
			SAMPLE NO. <u>x 1455</u>
			CORE ANALYSIS <u>                    </u>
			DSTs <u>x</u>

REMARKS Sample set in Tucson

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

WATER WELL ACCEPTED BY                     

BOND CO. Travelers Indemnity INA BOND NO. 837525 M126180  
 DATE                      ORGANIZATION REPORT 1-7-68  
 BOND AMT. \$ 25,000 CANCELLED 4-23-97  
 FILING RECEIPT 9534 LOC. PLAT x WELL BOOK x PLAT BOOK x  
 API NO. 02-001-20070 DATE ISSUED 1-24-68 DEDICATION NA

PERMIT NUMBER 448

**CONFIDENTIAL**  
 Release Date 8-11-68



**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**

Federal, State or Indian Lease Number or name of lessor if fee lease: **14-20-0603-1200** Well Number: **1** Field & Reservoir: **Wildcat**

Location: **660' from North and East Line** County: **Apache**

Sec. TWP-Range or Block & Survey: **26, T6N, R7W, NSM**

Date spudded: **1/27/68** Date total depth reached: **2/8/68** Date completed, ready to produce: **Dry hole** Elevation (D.F., R.F., RT or Gr.) feet: **7699'** Elevation of casing hd. flange feet: **7690'**

Total depth: **2825'** P.B.T.D.: **-** 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' to 2825'** 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): **Induction Electric Sonic, Gamma Ray Sonic, Formation Density** Date filed: **3/21/68**

**CASING RECORD**

Purpose	Size hole drilled	Size casing set	Weight (lb./ft.)	Depth set	Sacks cement	Amt. pulled
Surface	12-1/4"	8-5/8"	24#	292'	170	

**TUBING RECORD**

**LINER RECORD**

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

**PERFORATION RECORD**

**ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD**

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

**INITIAL PRODUCTION**

Date of first production: **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 bbls.: **-** Gas prod. during test MCF: **-** Water prod. during test bbls.: **-** Oil gravity ° API (Corr): **-**

Tubing pressure: **-** Casing pressure: **-** Cal'd 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 **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.

Date: **3/20/68**

Signature: **C. P. Farmer**



Permit No. **448**

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

File One Copy

**DETAIL OF FORMATIONS PENETRATED**

Formation	Top	Bottom	Description*
DeChelly	492'		DST #1 - From 2299' to 2385', tool open 15 minutes with weak blow and packer failed.  DST #2 - 2370' to 2441'. Recovered 5' of drilling mud. Weak blow and dried in 10 minutes. No show of oil or gas.  DST #3 - 2553' to 2640'. Recovered 1567' of muddy salt water. Strong blow decreasing to weak. No show of oil or gas.  DST #4 - 2660' to 2740'. Recovered 20' of drilling mud. Weak blow increasing through test. No show of oil or gas.  DST #5 - Straddle Packer test from 2036' to 2066'. Recovered 12' of muddy water, no show of oil or gas.
Organ Rock	1310'		
Hermosa	1768'		
Martin	2380'		

\* 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.

Form No. 4



**CONFIDENTIAL**

APPLICATION TO ABANDON AND PLUG

FIELD Wildcat  
 OPERATOR TEXACO Inc. ADDRESS Box 810, Farmington, New Mexico  
 Federal, State, or Indian Lease Number \_\_\_\_\_ WELL NO. 1 87401  
 or Lessor's Name if Fee Lease 14-20-0603-1200  
 SURVEY NSM SECTION 26, T6N, R7W COUNTY Apache  
 LOCATION 660' from North and East Lines

TYPE OF WELL Stratigraphic Test - Dry Hole TOTAL DEPTH 2825'  
 (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 283' of 8-5/8" 24# casing cemented at 292' with 170  
sacks of Class A neat cement with 2% calcium chloride added.

2. FULL DETAILS OF PROPOSED PLAN OF WORK Spot 50 sack cement plug from 2550' to  
2700', 50 sack plug from 2020' to 2120', 45 sack plug from 1550' to 1650'  
and 35 sack plug from 450' to 550'. Cut off wellhead and spot 10 sack  
plug in top of 8-5/8" casing. Cement 4" pipe marker in top of hole with  
4' extending above ground level. NOTE: Verbal approval to plug well in  
above manner was received from USGS 2/9/68 and Arizona OGCC 2/11/68.

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

DATE COMMENCING OPERATIONS 2/11/68  
 NAME OF PERSON DOING WORK V. K. McDaniel ADDRESS Box 810, Farmington,  
 CORRESPONDENCE SHOULD BE SENT TO C. P. Farmer New Mexico 87401  
 Name \_\_\_\_\_  
 Title District Superintendent  
 Address Box 810, Farmington, New Mexico 87401  
 Date 3/20/68

Date Approved 3-25-68  
 STATE OF ARIZONA  
 OIL & GAS CONSERVATION COMMISSION  
 By: John Bannister

STATE OF ARIZONA  
 OIL & GAS CONSERVATION COMMISSION  
 Application to Abandon and Plug  
 File Two Copies  
 Form No. 9



Permit No. 448

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Form 9-331  
(May 1963)

**CONFIDENTIAL**  
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE  
(Other instructions on reverse side)

Form approved  
Budget Bureau No. 42-R1424

5. LEASE DESIGNATION AND SERIAL NO.  
**14-20-0603-1200**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

**Navajo**

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
**Navajo Tribe "BP"**

9. WELL NO.

**1**

10. FIELD AND POOL, OR WILDCAT

**Wildcat**

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

**26-6N-7W, NSM**

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  **Stratigraphic Test**

2. NAME OF OPERATOR  
**TEXACO Inc.**

3. ADDRESS OF OPERATOR  
**Box 810, Farmington, New Mexico 87401**

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

**660' from North and East Lines**

14. PERMIT NO. **448**

15. ELEVATIONS (Show whether DF, RT, CR, etc.)  
**7703' DF**

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.)

**Total depth 2825'.**

**Filled hole with drilling mud and spotted cement plugs as follows:**  
**50 sack plug from 2550' to 2700', 50 sack plug from 2020' to 2120',**  
**45 sack plug from 1550' to 1650' and 35 sack plug from 450' to 550'.**  
**Cut off wellhead and spotted 10 sack cement plug in top of 8-5/8" casing. Cemented 4" pipe marker in top of hole. Completed plugging 3:00 P.M., February 11, 1968.**



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

SIGNED *[Signature]* TITLE **District Superintendent** DATE **2/13/68**

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

448

Form 9-331  
(May 1963)

**CONFIDENTIAL**  
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

Form approved.  
Budget Bureau No. 42-R1424.

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.)

1.  OIL WELL  GAS WELL  OTHER **Stratigraphic Test**

2. NAME OF OPERATOR  
**TEXACO Inc.**

3. ADDRESS OF OPERATOR  
**Box 810, Farmington, New Mexico 87401**

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

5. LEASE DESIGNATION AND SERIAL NO.  
**14-20-0603-1200**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
**Navajo**

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
**Navajo Tribe "BF"**

9. WELL NO.  
**1**

10. FIELD AND POOL, OR WILDCAT  
**Wildcat**

11. SEC. T., R. 1/4, OR BLK. AND SURVEY OR AREA  
**26-6N-7W, NSM**

12. COUNTY OR PARISH  
**Apache**

13. STATE  
**Arizona**

14. PERMIT NO.  
**448**

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**7703' DF**

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"/>	

(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 2825'.

After drilling well to a depth of 2825' without encountering any commercial production, we propose to plug and abandon as follows:

Spot 50 sack cement plug from 2550' to 2700', 50 sack plug from 2020' to 2120', 45 sack plug from 1550' to 1650' and 35 sack plug from 450' to 550'. Cut off wellhead and spot 10 sack plug in top of 8-5/8" casing. Four inch pipe marker will be cemented in top of hole.

NOTE: Verbal approval to plug well in above manner was received from the USGS 2/9/68, and from the Arizona OGCC 2/11/68.

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

SIGNED [Signature] TITLE **District Superintendent** DATE **February 12, 1968**

(This space for Federal or State office use)

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



\*See Instructions on Reverse Side

448

*From the Desk of*

**JAMES R. SCURLOCK**

*Sunday a.m. Feb 11, 1968*

*Have verbal permission*

*To plug JES*

Texaco: (Farmington)

Jan 28-1968

@ Telephone

Called to get verbal OK to move in.  
(Paper work coming.)

TEXACO - NAVAJO TRIBAL "BF" #1

Location: 660 FNU, 660 FEU

Sec. 26 - 6N-7W Apache Co.

Contractor: LoFland ; proposed depth 2760'  
Moving in.

This is a strat test. Plan to set 300' 8<sup>5</sup>/<sub>8</sub>" casing.

Will be CONFIDENTIAL

Will spud about 1-25-68 (drill w/ mud)

Form 9-331  
(May 1963)

**CONFIDENTIAL**  
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1421.

5. LEASE DESIGNATION AND SERIAL NO.  
**14-20-0603-1200**

6. INDIAN, ALLOTTEE OR TRIBE NAME  
**Navajo**

7. UNIT AGREEMENT NAME

8. LEASE OR LEASE NAME  
**Navajo Tribe "BP"**

9. WELL NO.  
**1**

10. FIELD AND POOL OR WILDCAT  
**Wildcat**

11. SEC. T., R., M., OR BLM. AND SURVEY OR AREA  
**26, 6N, 7W, NSM**

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  **Stratigraphic Test**

2. NAME OF OPERATOR  
**TEXACO Inc.**

3. ADDRESS OF OPERATOR  
**Box 810, Farmington, New Mexico 87401**

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 660 from East line**

14. PERMIT NO.  
**448**

15. ELEVATIONS (Show whether DF, RT, OR, etc.)  
**7703' DF**

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

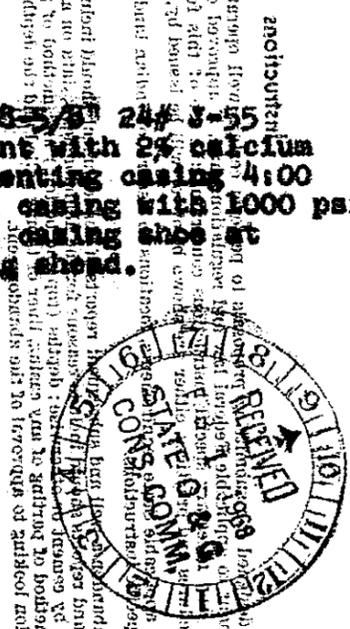
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input checked="" type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>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

(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 2:30 A.M., 1/27/68.**

**Drilled 12-1/4" hole to 292' and cemented 283' of 8-5/8" 24# J-55 casing at 292' with 170 sacks of Class A neat cement with 2% calcium chloride added. Cement circulated. Completed cementing casing 4:00 P.M., 1/27/68. After W.O.C. for 12 hours, tested casing with 1000 psi for 30 minutes. No drop in pressure. Drilled out casing shoe at 6:00 A.M. 1/28/68, with 7-7/8" bit and now drilling ahead.**



18. I hereby certify that the foregoing is true and correct  
SIGNED *A. B. James* TITLE **District Superintendent** DATE **1/10/68**

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

\*See Instructions on Reverse Side

448

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CONFIDENTIAL

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

APPLICATION TO DRILL  DEEPEN  PLUG BACK

NAME OF COMPANY OR OPERATOR Stratigraphic Test DATE January 23, 1968

TEXACO Inc.

Address City State  
P. O. Box 810 Farmington, New Mexico 87401

DESCRIPTION OF WELL AND LEASE

Name of lease Well number Elevation (ground)  
Navajo Tribe "BF" 1 7693' (Est.)

Well location (give footage from section lines) Section—township—range or block & survey  
660' from North and East lines 26, 6N, 7W, NSM

Field & reservoir (if wildcat, so state) County  
Wildcat Apache

Distance, in miles, and direction from nearest town or post office  
Approx. 13 miles South of Lukachukai, 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:  
600 feet First well on lease feet

Proposed depth: Rotary or cable tools Approx. date work will start  
2760' Rotary January 25, 1968

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

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

Status of bond  
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)

Verbal approval received from Mr. J. R. Scurlock, January 23, 1968

\* Fill in Proposed Casing Program on other side

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the District Accountant 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.

January 23, 1968

Date

Signature E. C. Hall

API 02-001-20070

Permit Number: 448  
Approval Date: 2-24-68  
Approved By: John J. Gannister

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. 4-8-59  
Effective April 6, 1959

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
8-5/8	24#	J-55	0	300'	300'	Circulate

**CONFIDENTIAL**

COMPANY Texaco Inc.

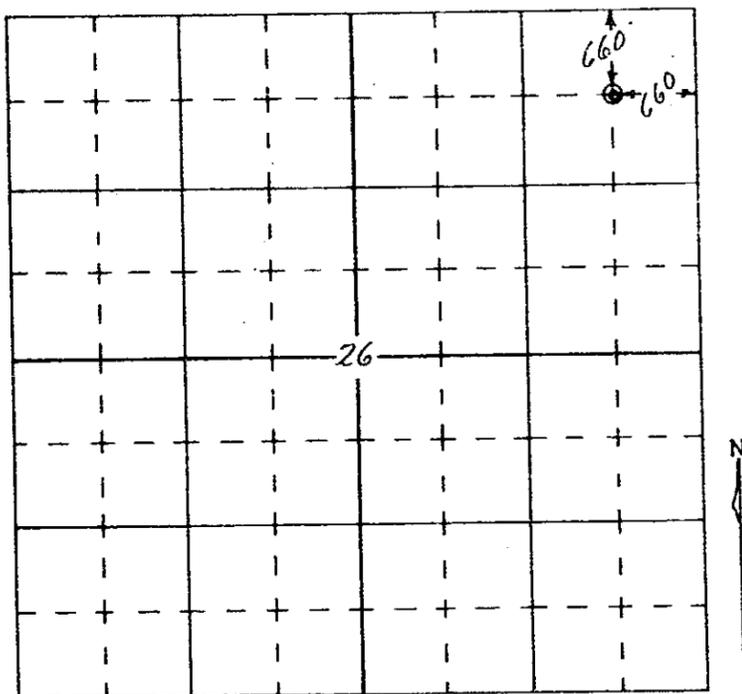
Well Name & No. Navajo Tribe "BF" Lease No. 14-20-0603-1200

Location 660 feet from North line and 660 feet from East line

Being in Apache County, Arizona

Sec. 26, T.6N., R.7W., Navajo Special Meridian

Ground Elevation To be reported later



Scale -- 4 inches equals 1 mile

Surveyed January 13-20, 19 68

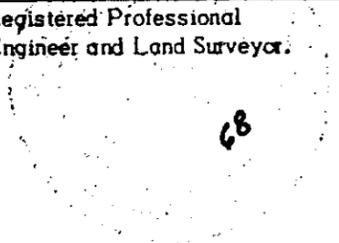
This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Seal:



*C. L. Poteet*

Registered Professional  
Engineer and Land Surveyor.





# PERMIT TO DRILL

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

**TEXACO INC**

To:

(OPERATOR)

to drill a well to be known as

**Texaco #1 Navajo BF**

(WELL NAME)

located **660' FNL and FEL (NE/4NE/4)**

Section **26** Township **6N** Range **7W NSM**, **Apache** County, Arizona.

The \_\_\_\_\_ 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 **24th** day of **January**, 19 **68**.

**OIL AND GAS CONSERVATION COMMISSION**

By

*John Bannister*  
EXECUTIVE SECRETARY

PRIOR TO BEING ALLOWED TO PRODUCE THIS WELL  
YOU MUST BE IN FULL COMPLIANCE WITH RULE  
100, SECTION A AND B (ZONING), WITH RESPECT  
TO THE PRODUCT TO BE PRODUCED.

PERMIT **Nº 448**

RECEIPT NO. **9534**  
API No. **02-001-20070**

State of Arizona  
Oil & Gas Conservation Commission

Permit to Drill

FORM NO. 27

"Forms--when to file" attached



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  
4601 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 80201-2100

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.

579 Fifth Avenue, New York, New York 10017 (212) 777-7000 Telex: 64-04-37 PINEA NYK

RECEIVED

JUL 1 1981

O & G CONS. COMM.

*WA*



EMETT & CHANDLER  
NEW YORK, INC.

June 9, 1981

State of Arizona  
Arizona State Office Building  
Oil & Gas Conservation Commission  
1632 West Adams  
Phoenix, AZ 85007

Re: Oil Drilling Blanket Bond  
INA Bond No. 301505

*This No. identifies as Texaco acct.*

Dear Sir: *⇒ Bond No. M 12 6180*

Enclosed you will find the renewal certificate for the captioned Bond. I trust you will find it to be in order.

If you should no longer require this Bond, or have any questions, please feel free to contact us as broker for Texaco.

Very truly yours,

Thomas O. Wilder  
Assistant Vice President

*Called 10/30/90*

TOW/gg

*(303) 793-4000 (Nobis Myers)*

Enclosure

cc: T. Arney  
J. Lafferty

*wish to continue bond*

Continuation Certificate  
Surety Bonds

RECEIVED

JUL 1 1981

O & G CONS. COMM.

Bond No. 30.15.05  
Item No. D201

INSURANCE COMPANY OF NORTH AMERICA  
Philadelphia, Pa.

This is to certify that Oil Drilling Blanket bond in the amount of \$25,000.00,  
(Kind of Bond)  
issued by the INSURANCE COMPANY OF NORTH AMERICA, on behalf of

Texaco Inc. and in  
(Principal)  
favor of State of Arizona and the Oil & Gas Conservatee Commission  
(Obligee)

is hereby continued in force for the period of one year beginning on the 2nd day of  
April 19 81

The liability of the INSURANCE COMPANY OF NORTH AMERICA under said bond and this and all  
continuations thereof shall not be cumulative.

Signed and sealed this 30th day of April, 19 81

INSURANCE COMPANY OF NORTH AMERICA

By Melinda Popolizio  
Attorney-in-Fact  
~~XXXXX~~ Melinda Popolizio



PETROLEUM PRODUCTS

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

RECEIVED

MAY 10 1979

O & G CONS. COM. L.

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, 1979

TEXACO INC.

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

WITNESS our hands and seals this 2nd day of April, 1979

INSURANCE COMPANY OF NORTH AMERICA

By: Lisa Eacker  
Attorney-in-Fact Surety

Norma A. [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

Bond

File Two Copies

Form No. 2

Permit No. \_\_\_\_\_



**POWER OF ATTORNEY  
INSURANCE COMPANY OF NORTH AMERICA  
PHILADELPHIA, PA.**

**Know all men by these presents:** That the INSURANCE COMPANY OF NORTH AMERICA, a corporation of the Commonwealth of Pennsylvania, having its principal office in the City of Philadelphia, Pennsylvania, pursuant to the following Resolution, which was adopted by the Board of Directors of the said Company on May 28, 1975, to wit:

RESOLVED, pursuant to Articles 3.6 and 5.1 of the By-Laws, the following Rules shall govern the execution for the Company of bonds, undertakings, recognizances, contracts and other writings in the nature thereof:

- (1) That the President, or any Vice-President, Assistant Vice-President, Resident Vice-President or Attorney-in-Fact, may execute for and in behalf of the Company any and all bonds, undertakings, recognizances, contracts and other writings in the nature thereof, the same to be attested when necessary by the Secretary, an Assistant Secretary or a Resident Assistant Secretary and the seal of the Company affixed thereto; and that the President or any Vice-President may appoint and authorize Resident Vice-Presidents, Resident Assistant Secretaries and Attorneys-in-Fact to so execute or attest to the execution of all such writings on behalf of the Company and to affix the seal of the Company thereto.
- (2) Any such writing executed in accordance with these Rules shall be as binding upon the Company in any case as though signed by the President and attested by the Secretary.
- (3) The signature of the President or a Vice-President and the seal of the Company may be affixed by facsimile on any power of attorney granted pursuant to this Resolution, and the signature of a certifying officer and the seal of the Company may be affixed by facsimile to any certificate of any such power, and any such power or certificate bearing such facsimile signature and seal shall be valid and binding on the Company.
- (4) Such Resident Officers and Attorneys-in-Fact shall have authority to certify or verify copies of this Resolution, the By-Laws of the Company, and any affidavit or record of the Company necessary to the discharge of their duties.
- (5) The passage of this Resolution does not revoke any earlier authority granted by Resolution of the Board of Directors on June 9, 1953." does hereby nominate, constitute and appoint **BARBARA JACKSON and LISA EACKER**, both of the City of Denver, State of Colorado

\_\_\_\_\_, each individually if there be more than one named, its true and lawful attorney-in-fact, to make, execute, seal and deliver on its behalf, and as its act and deed any and all bonds, undertakings, recognizances, contracts, and other writings in the nature thereof in penalties not exceeding **FIFTY THOUSAND DOLLARS (\$50,000.00.....)** each, and the execution of such writings in pursuance of these presents, shall be as binding upon said Company, as fully and amply, as if they had been duly executed and acknowledged by the regularly elected officers of the Company at its principal office.

IN WITNESS WHEREOF, the said \_\_\_\_\_ **C. DANIEL DRAKE**, Vice-President, has hereunto subscribed his name and affixed the corporate seal of the said **INSURANCE COMPANY OF NORTH AMERICA** this \_\_\_\_\_  
\_\_\_\_\_ 5th day of \_\_\_\_\_ March \_\_\_\_\_ 19 79

INSURANCE COMPANY OF NORTH AMERICA

by \_\_\_\_\_ **C. DANIEL DRAKE** \_\_\_\_\_  
Vice-President

(SEAL)

STATE OF PENNSYLVANIA }  
COUNTY OF PHILADELPHIA } ss.

On this \_\_\_\_\_ 5th day of \_\_\_\_\_ March \_\_\_\_\_ A.D. 19 79 before me, a Notary Public of the Commonwealth of Pennsylvania, in and for the County of Philadelphia, came \_\_\_\_\_ **C. DANIEL DRAKE**

\_\_\_\_\_, Vice-President of the **INSURANCE COMPANY OF NORTH AMERICA** to me personally known to be the individual and officer who executed the preceding instrument, and he acknowledged that he executed the same, and that the seal affixed to the preceding instrument is the corporate seal of said Company; that the said corporate seal and his signature were duly affixed by the authority and direction of the said corporation, and that Resolution, adopted by the Board of Directors of said Company, referred to in the preceding instrument, is now in force.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal at the City of Philadelphia, the day and year first above written.

\_\_\_\_\_ **MAUREEN SCHELL** \_\_\_\_\_

Notary Public.

(SEAL)



\_\_\_\_\_, Assistant Secretary of **INSURANCE COMPANY OF NORTH AMERICA**, do hereby certify that the original \_\_\_\_\_  
\_\_\_\_\_ **POWER OF ATTORNEY**, of which the foregoing is a full, true and correct copy, is in full force and effect.  
\_\_\_\_\_ whereof, I have hereunto subscribed my name as Assistant Secretary and affixed the corporate seal of the Corpora-  
\_\_\_\_\_ 2nd day of \_\_\_\_\_ April \_\_\_\_\_ 19 \_\_\_\_\_

\_\_\_\_\_ **Barbara Jackson** \_\_\_\_\_  
Assistant Secretary.

PHONE: 325-9232

641 WEST BROADWAY

## FOUR CORNERS SAMPLE CUT ASSOCIATION

P. O. BOX 899  
FARMINGTON, NEW MEXICO 87401

December 24, 1968

Oil & Gas Conservation Commission  
Atate Of Arizona  
Room 202  
1624 West Adams  
Phoenix, Arizona 85007

Dear Sir:

Samples from the following wells were shipped via Continental Trailways on Dec. 24, 1968

470 G.B. Cree #1 Hunt  
423 Skelly #1 Navajo Q  
461 ~~452~~ Buttes Oil & Gas #1-25 Navajo  
448 Texaco #1 Navajo BF  
462 El Paso #1-B La Posa Yuma Co.

Yours truly

*Jo Ratcliff*  
(Mrs.) Jo Ratcliff  
Manager



December 10, 1968

Ms. Jo Ratcliff  
Four Corners Sample Cut Association  
P. O. Box 899  
Farmington, New Mexico 87401

Re: Texaco #1 Navajo BF  
T6N, R7W, NSM  
Sec. 28: NE/4 NE/4  
Apache County, Arizona  
Permit #448

El Paso #1B Federal La Posa Strat  
T7N, R19W, G & SRM  
Sec. 10: SE/4 SE/4  
Yuma County, Arizona  
Permit #462

Dear Ms. Ratcliff:

By your correspondence of 12-3-68 we see that Texaco has delivered samples on the captioned well. El Paso notified us on 10-15-68 that samples had been sent to you for their well. Please do what you can to get these samples into the Bureau of Mines in Tucson before the end of the year. We will appreciate it should you notify this office the shipping date.

Yours truly,

James A. Lambert  
Administrative Assistant

JAL:ji

PHONE: 325-9232

641 WEST BROADWAY

## FOUR CORNERS SAMPLE CUT ASSOCIATION

P. O. BOX 899  
FARMINGTON, NEW MEXICO 87401

December 3, 1968

Hello Jim:

This is a list of the Arizona wells which we have in the cut at present time.

Arkla Core test # 56 ✓  
No Location

El Paso #1-B La Posa  
10-7N-19W  
Yuma Co.

Skelly #1 Navajo Q  
18-38N-30E  
Apache Co.

Texaco #1 Navajo BF  
26-6N-7W  
Apache Co.

Apache #1 Santa Fe Crest  
25-20N-27E  
Apache Co.

Pennzoil #1 Hopi-11  
11-29N-14W  
Coconino Co.

Buttes Oil & Gas #1-14 Navajo           Tite  
14-7N-9W  
Apache Co.

Buttes Oil & Gas #1-23 Navajo           Tite  
23-37N-27E  
Apache Co.

The following two wells have been cut or in the process

Buttes Oil & Gas #1-25 Navajo  
25-35N-28E  
Apache Co.

G.B. Cree #1 Hunt  
31-18N-20W  
Navajo Co.



448

PHONE: 325-9232

641 WEST BROADWAY

## FOUR CORNERS SAMPLE CUT ASSOCIATION

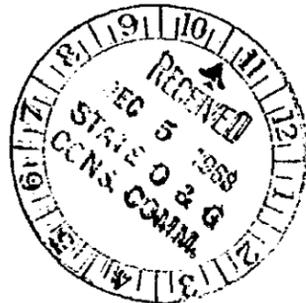
P. O. BOX 899  
FARMINGTON, NEW MEXICO 87401

As for the list of wells which have been cut through the years I will see what I can come up with as soon as possible and send to you.

Again, let me say will appreciate any help you can give me in getting the Arizona wells to the cut, and if I can be of assistance to you let me know.

Sincerely,

Jo Ratcliff



948

**TEXACO**  
INC.

PETROLEUM PRODUCTS



P. O. Box 810  
Farmington, New Mexico  
87401

January 31, 1968

Re: Texaco #1 Navajo Tribe "BF"  
Apache County, Arizona

Arizona Oil & Gas Conservation Commission  
1624 West Adams, Room 202  
Phoenix, Arizona 85007

Gentlemen:

Attached is a copy of the USGS Form 9331, Notice of Spudding Stratigraphic Test. This form is marked "confidential", and we would like to re-emphasize the confidential nature of this well and request that you keep information tight for the maximum period permitted by state law.

Electric logs will be delivered to you within 90 days of completion, and samples will be shipped to you from the Four Corners Sample Cut within six months after completion in accordance with state regulations.

Very truly yours,

*C. W. Spencer*

C. W. Spencer  
District Geologist

CWS:rm

