

CONFIDENTIAL

CONFIDENTIAL

Release Date 11-14-65

CONFIDENTIAL

P-W

TEXACO #1 HOPI-A 307
NW/4NW/4 S15-T26N-R16E, Navajo Cnt

PLUGGING RECORD

Operator Texaco Inc.		Address P. O. Box 810, Farmington, New Mexico 87401	
Name of Lease Hopi Tribe "A"		Well No. 1	Field & Reservoir Undesignated (Wildcat)
Location of Well 660' from North line and 660' from West line; Sec. 15, T26N, R16E, G & SR 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: May 14, 1965	Total depth 5915'	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
16"	124'	None	124'		None
10 3/4"	1002'	None	1002'		None

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.

Date **June 10, 1965**



Signature *CO. Farmer*

STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION

Form No. P-15 Plugging Record File two copies
Authorized by Order No. **4-6-58**
Effective **April 6, 1959**

4 307

APPLICATION TO ABANDON AND PLUG

FIELD Undesignated (Wildcat)

OPERATOR Texaco Inc. ADDRESS P. O. Box 810, Farmington, N. M. 87401
Federal, State, or Indian Lease Number or Lessor's Name if Fee Lease Hopi Tribe "A" WELL NO. 1
SURVEY G & SR SECTION 15 COUNTY Navajo
LOCATION 660' from North line and 660' from West Line, Section 15, T26N, R16E, G & SR Survey

TYPE OF WELL Dry Hole TOTAL DEPTH 5915'
ALLOWABLE (If Assigned)
LAST PRODUCTION TEST OIL (Bbls.) WATER (Bbls.)
GAS (MCF) DATE OF TEST

PRODUCING HORIZON PRODUCING FROM TO
1. COMPLETE CASING RECORD 16" O. D. 65# casing set at 124'. 10 3/4" O. D. 40.5# casing set at 1002'.

2. FULL DETAILS OF PROPOSED PLAN OF WORK Spot 32 sack cement plug from 5750' to 5850', 42 sack plug from 5420' to 5520', 33 sack plug from 4324' to 4424', 33 sack plug from 2590' to 2690', 45 sack plug from 2180' to 2330', 35 sack plug over bottom of 10 3/4" casing 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 May 14, 1965

NAME OF PERSON DOING WORK C. A. Hogue ADDRESS Farmington, New Mexico

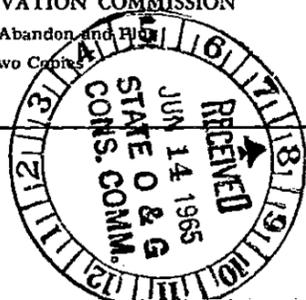
CORRESPONDENCE SHOULD BE SENT TO Texaco Inc., P. O. Box 810, Farmington, New Mexico, 87401

NOTE: Verbal approval to plug in above manner received from Miss Mary Rushton on May 13, 1965.

Title District Superintendent
Address
Date June 10, 1965

Date Approved 6-14-65
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. 307

CONFIDENTIAL

Release Date 11-14-65

5

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 **P. O. Box 810, Farmington, New Mexico, 87401**

Federal, State or Indian Lease Number or name of lessor if fee lease **Hopi Tribe "A"** Well Number **1** Field & Reservoir **Undesignated (Wildcat)**

Location **Sec. 15, T26N, R16E, G & SR** County **Navajo**
660' from North line & 660' from West line

Sec. TWP-Range or Block & Survey
Sec. 15, T26N, R16E, G & SR

Date spudded **4-15-65** Date total depth reached **5-11-65** Date completed, ready to produce **Dry Hole** Elevation (DP, RKB, RT or Gr.) **5546 DF** feet Elevation of casing hd. flange **5546 DF** feet

Total depth **5915'** P.B.T.D. **Dry Hole** 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 5919'** 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) **Gamma Ray Sonic, Induction-Electric, Caliper** Date filed **5-21-65**

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
Conductor	20 1/2"	16"	65#	124'	115	None
Surface	13 3/4"	10 3/4"	40.5#	1002'	390	None

TUBING RECORD

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

PERFORATION 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 Pro-duction 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.

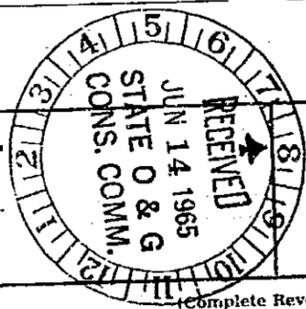
Date June 10, 1965

Signature [Signature]

CONFIDENTIAL

Release Date 11-14-65

Permit No. 301



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

Form No. 4

(Complete Reverse Side)

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	FORMATION TOPS	Description*
Sand and Shale	0	355	Kayenta	131'
Shale	355	524	Chinle	1225'
Sand and Shale	524	3444	Permian	2638'
Sand	3444	3558	Pennsylvanian	5148'
Sand and Shale	3558	3643	Mississippian	5412'
Sand	3643	3793	Devonian	5470'
Sand and Shale	3793	4394	Cambrian Tapeats	5782'
Shale	4394	4469	Precambrian	5855'
Sand and Shale	4469	4605		
Shale	4605	4710		
Sand and Shale	4710	5570		
Lime Dolomite	5570	5598		
Sand and Shale	5598	5685		
Lime Dolomite	5685	5855		
Sand and Dolomite	5855	5915		
Total Depth	5915			

DST #1 - From 5792' to 5876'. Tool open 1 hour with no recovery at surface. Recovered 20' of drilling mud, 190' mud cut salt water and 910' salt water with no show of oil or gas.

CORE #1 - From 5830' to 5876'. Recovered 100%, 16' of conglomerate and 30' of meta-sediment with no show of oil or water.

CORE #2 - From 5876' to 5908'. Recovered 100%, 18' metamorphosed shale and 13' metamorphosed igneous rock with no show of oil.

* 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

TEXACO
INC.

PETROLEUM PRODUCTS



P. O. Box 810
Farmington, New Mexico
87401

May 28, 1968

Texaco #1 Hopi "A"
Sec. 15, T26N-R16E
Navajo County, Arizona

Mr. Jim Scurlock
1624 West Adams
Room 202
Phoenix, Arizona

Dear Mr. Scurlock:

Following is the information you requested
concerning the drillstem test on the subject well:

DST #1 5797-5876
IFP 15
FFP 546
ISIP 2036
FSIP 1978
HP 2836-2778

Very truly yours,

C. W. Spencer

C. W. Spencer
District Geologist

CWS:rm

307

4 x 8 $\frac{22}{8}$
25-6

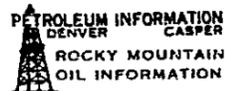
ARIZONA
NAVAJO CO.
WILDCAT (W)

OPR: Texaco Inc

ELEV: 5546 DF

TOPS: Log ~~532304~~

Chinle 1225
Permian 2638
Pennsylvanian 5148
Mississippian 5412
Devonian 5470
Topeats 5782
preCambrian 5855



307 C
p 26n-16e
section 15
T/W NW
660 s/n 660 e/w

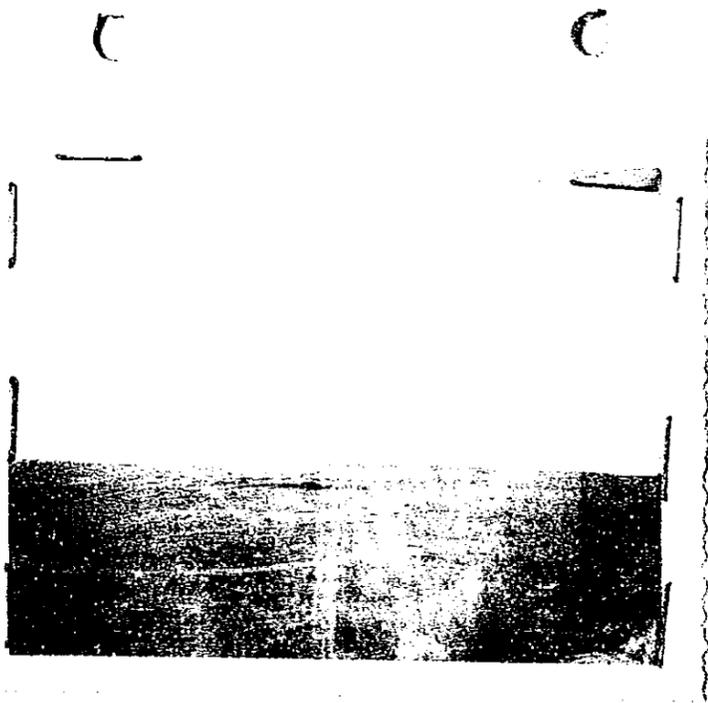
WELL #: 1 Hopi Tribe-A

DSTS. & CORES: Crd 5830-76, rec 16 cong; 30 metamorphosed to sediment. Crd 5876- 5908, rec 18 metamor- phosed sh; 13 metamor- phosed igneous rock. DST 5792-5876, open 1 hr, rec 20 mud, 190 MC salt wtr, 910 salt wtr, no press available.	SPUD: 4-15-65 TD: 5915 CSG: 16" @ 124 w/115 10-3/4" @ 1002 w/390 PERF: BROD. ZONE: INIT. PROD: D&A	COMPL: 5-14-65 PB:
--	--	-------------------------------------

Contr: Brinkerhoff

(RE-ISSUED CARD)

ARIZ2-568221



Dezaco - Hapi
5-17-65
(Brinkerhoff Bldg. Co.)
Contractor
P. A.

307

6

CONFIDENTIAL

SUNDY NOTICES AND REPORTS ON WELLS

1. Name of Operator TEXACO Inc., Box 810, Farmington, New Mexico 87401

2. OIL WELL GAS WELL OTHER (Specify) Wildcat

3. Well Name Hopi Tribe "A" #1
 Location 660' from North Line and 660' from West Line
 Sec. 15 Twp. 26-N Rge. 16-E County Navajo Arizona.

4. Federal, State or Indian Lease Number, or lessor's name if fee lease 14-20-0450-5189

5. Field or Pool Name Wildcat

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

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

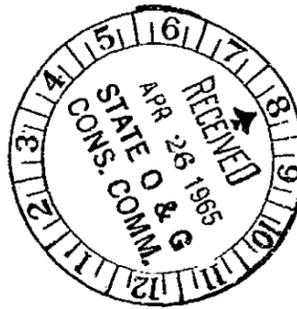
(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

Spudded: 4:00 PM, 4-15-65.

Drilled 15" hole to 124' and reamed hole to 20 1/2". Cemented 113' of 16" OD 65# casing at 124' with 115 sacks of regular cement with 3% calcium chloride added. Cement circulated. Tested casing with 800 psi for 30 minutes. Casing tested okay.

Drilled 13-3/4" hole to 1002'. Cement 991' of 10-3/4" OD 40.5# casing at 1002' with 240 sacks of class "A" cement with 4% gel and 2% calcium chloride added, followed by 150 sacks of class "A" cement with 2% calcium chloride added. Cement circulated. Tested casing with 800 psi for 30 minutes. Casing tested okay.



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

Signed C.P. Farmer Title District Supt. Date 4-23-65

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

Permit No. 307

CONFIDENTIAL

CONFIDENTIAL

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

APPLICATION TO DRILL DEEPEN PLUG BACK

NAME OF COMPANY OR OPERATOR

DATE

TEXACO Inc.

February 5, 1965

Address

City

State

P. O. Box 810,

Farmington,

New Mexico 87401

DESCRIPTION OF WELL AND LEASE

Name of lease

Well number

Elevation (ground)

Hopi Tribe "A"

1

5539'

Well location

(give footage from section lines)

Section--township--range or block & survey

660' FNL and 660 FWL, Section 15, T-26-N, R-16-E, G & SRM

Field & reservoir (If wildcat, so state)

County

Wildcat

Navajo

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

Approx. 20 miles southwest of Polacca, Arizona

Nearest distance from proposed location to property or lease line:

660'

feet

Distance from proposed location to nearest drilling, completed or applied--for well on the same lease:

First well on lease

feet

Proposed depth:

7520'

Rotary or cable tools

Rotary

Approx. date work will start

2-15-65

Number of acres in lease:

2560

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

First well on lease

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

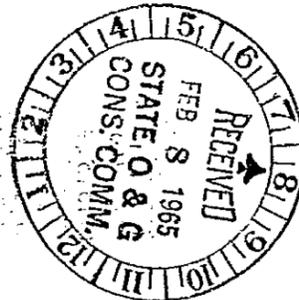
Name

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 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.

February 5, 1965

Date

C. P. Farmer
Signature

Permit Number: 307

Approval Date: 2-9-65

Approved By: John Bannister

Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.

See Instruction on Reverse Side of Form

STATE OF ARIZONA STATE LAND COMMISSIONER

Application to Drill, Deepen or Plug Back

Form No. P-1

File two copies

Authorized by Order No. 4-6-59

Effective April 8, 19 59

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.

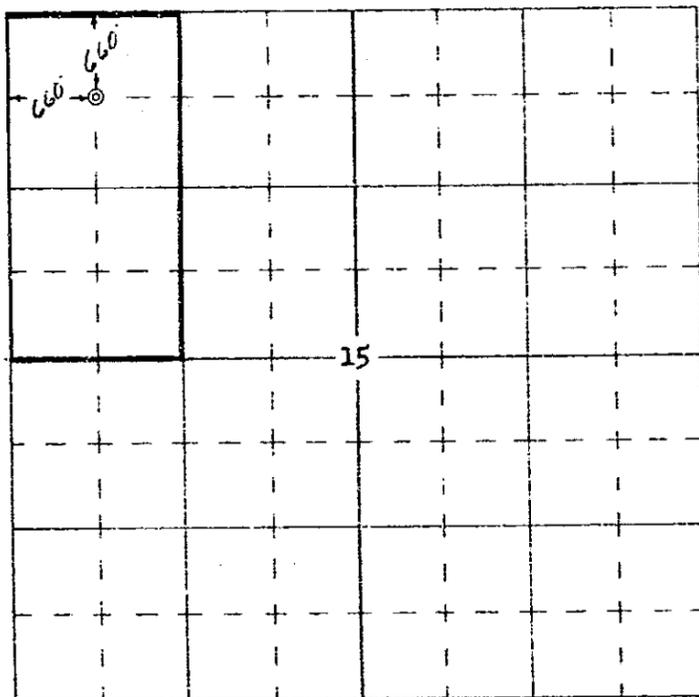
Designate scale to which plat or sketch is drawn. Also designate northerly direction on the sketch or plat.

PROPOSED CASING PROGRAM

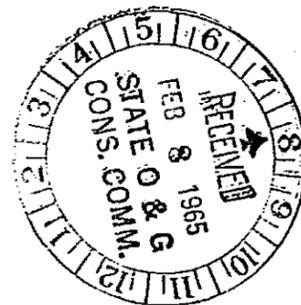
Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
16"	65#	H-40	0	120'	120'	100
10-3/4"	24#	H-40	0	1000'	1000'	450
4-1/2"	9.5#	J-55	0	5500'	5500'	-
4-1/2"	10.5#	J-55	5500'	6620'	6620'	-
4-1/2"	11.6#	J-55	6620'	7520'	7520'	250

CONFIDENTIAL

COMPANY Texaco, Inc.
Well Name & No. Hopi Tribe "A" Well No. 1 Lease No. 14-20-0450-5189
Location 660 feet from North line and 660 feet from West line
Being in Navajo County, Arizona
Sec. 15, T 26N., R 16 E., G. & S.R.M.
Ground Elevation 5539



Scale -- 4 inches equals 1 mile

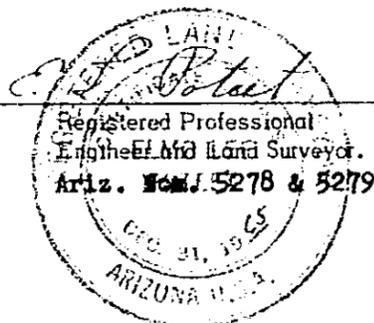


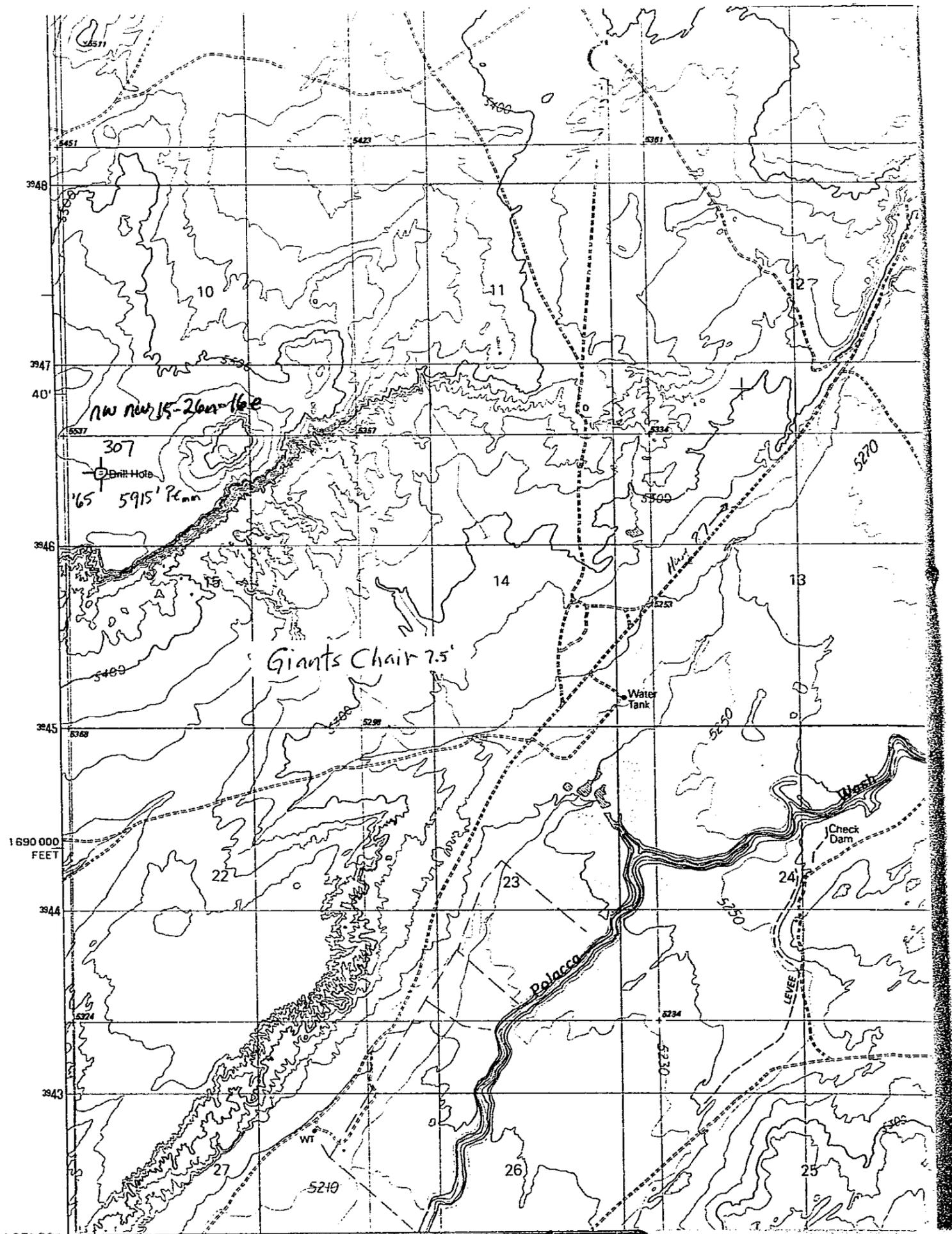
Surveyed January 14, 15, 19, 1965

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:

Farmington, New Mexico







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
1601 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

307

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

RECEIVED

MAY 16 1979

O & G CONS. COM. 1

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

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

SURETY BONDS - ARIZONA
1.04-A

307

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 [Signature]
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

Bond

File Two Copies

Form No. 2

Permit No. _____

CANCELLED
4/23/97



ARCO Exploration & Production Technology
2300 West Plano Parkway
Plano, TX 75075-8499

July 6, 1992

Larry D. Fellows
Director and State Geologist
Arizona Geological Survey
845 North Park Ave., #100
Tucson, Arizona 85719

*file copy in each
well file 512
file P/W 307*

Dear Mr. Fellows,

Following the agreement set forth in the Arizona Geological Survey sample policy I am forwarding (1) the results of Rock-Eval analysis Aneth Shale cuttings samples from eight wells in the Black Mesa basin and (2) vitrinite reflectance data collected for the Amerada Hopi #1 well. We waive the rights to the six month confidentiality period.

Thank you for your cooperation.

Sincerely,

Jeff Corrigan

cc: Steve Rauzi

Table 1. Rock-Eval data for Aneth Shale from sampled Black Mesa cuttings.

Sample ID	Depth Interval (ft)	TOC (weight %)	S1 (mg/g rock)	S2 (mg/g rock)	HI (mg HC/g TOC)	OI (mg CO ₂ /g TOC)
Amerada Hopi 1 (310)						
92R1477	7350-7370	0.08	0.07	0.10	125	362
92R1478	7370-7390	0.09	0.06	0.07	78	378
92R1479	7390-7410	0.07	0.04	0.01	14	514
92R1480	7410-7430	0.10	0.08	0.06	60	360
92R1481	7430-7450	0.11	0.10	0.04	36	327
92R1482	7450-7470	0.16	0.10	0.07	44	213
92R1483	7470-7490	0.13	0.06	0.02	15	266
92R1484	7490-7510	0.16	0.06	0.01	6	144
92R1485	7510-7540	0.11	0.06	0.02	18	318
92R1486	7540-7560	0.26	0.13	0.41	158	135
Cactus Navajo 8515 (325)						
92R1487	5540-5560	0.09	0.09	0.12	133	289
92R1488	5560-5580	0.04	0.11	0.03	72	563
92R1489	5580-5600	0.06	0.10	0.08	133	550
Cactus Navajo 8816 (345)						
92R1490	5540-5560	0.08	0.06	0.00	0	313
92R1491	5560-5580	0.08	0.05	0.01	13	362
92R1492	5580-5600	0.09	0.06	0.04	44	289
92R1493	5600-5620	0.07	0.05	0.02	29	429
Cactus Navajo -C2 (3-3)						
92R1494	4460-4480	0.08	0.06	0.04	50	425
92R1495	4480-4500	0.07	0.07	0.04	55	378
Tenneco 1 Navajo (283)						
92R1496	6870-6890	0.05	0.06	0.03	58	725
92R1497	6890-6910	0.07	0.09	0.09	123	434
92R1498	6910-6930	0.06	0.06	0.03	48	473
92R1499	6930-6950	0.08	0.06	0.04	51	464
92R1500	6950-6970	0.15	0.09	0.13	89	217
92R1501	6970-6990	0.19	0.09	0.16	85	218
92R1502	6990-7010	0.21	0.12	0.30	144	132
92R1503	7010-7030	0.32	0.17	0.64	202	88
92R1504	7030-7050	0.15	0.08	0.09	62	287
ARCO Hopi 9-1 (312)						
92R1505	6280-6300	0.11	0.14	0.18	173	323
92R1506	6300-6320	0.14	0.12	0.09	66	203
92R1507	6320-6340	0.08	0.07	0.01	12	306
92R1508	6340-6360	0.04	0.05	0.03	72	808
92R1509	6360-6380	0.13	0.08	0.01	8	220
92R1510	6380-6400	0.14	0.10	0.02	15	226
92R1511	6400-6420	0.13	0.07	0.07	56	277
92R1512	6420-6440	1.14	0.35	3.06	269	26
92R1513	6440-6460	0.31	0.15	0.59	192	115
92R1514	6460-6480	0.28	0.19	0.56	195	105
Moore, Moore & Miller (321)						
92R1515	6540-6560	0.16	0.08	0.14	90	215
92R1516	6560-6580	0.08	0.04	0.02	24	331
92R1517	6580-6600	0.08	0.06	0.04	48	380
92R1518	6600-6640	0.11	0.07	0.03	29	323
92R1519	6640-6660	0.17	0.07	0.03	18	178
92R1520	6660-6700	0.21	0.06	0.14	67	93
92R1521	6700-6710	0.21	0.09	0.42	202	98
92R1522	6710-6730	0.26	0.08	0.39	150	223
Texasco 1-A Hopi (307)						
92R1523	5650-5670	0.05	0.14	0.08	154	705
92R1524	5670-5690	0.09	0.09	0.05	53	348
92R1525	5690-5710	0.09	0.08	0.05	53	316
92R1526	5710-5730	0.13	0.15	0.09	72	237
92R1527	5730-5750	0.13	0.07	0.06	48	204

ARCO OIL + GAS CO.
PLANO
TEXAS
U.S.A.

Fax No. 010 1 214 754 6807

VITRINITE REFLECTANCE DETERMINATIONS SERIES 92R 1462 - 1486
ATTN. CHARLIE LANDIS ✓

SAMPLE No.	R.O. AVER.	No. OF READINGS	CONF.	U.V.	COMMENTS
92R1462	0.39	20	C	Y-1/0 SPORES.	—
92R1463	0.43	4	C	Y SPORES	PHYT. DEGRADED
92R1464	0.43	10	C	Y SPORES	PHYT. V. DEGRADED
92R1465	N.D.P.	—	—	—	RED SILTY SST. HAEMATITE
92R1466	N.D.P.	—	—	—	RED SANDY SILT.
92R1467	N.D.P.	—	—	—	RED SILT.
92R1468	N.D.P.	—	—	—	RED MARL
92R1469	N.D.P.	—	—	—	Mxd. LIME. HAEMATITE
92R1470	N.D.P.	—	—	—	10% SST. 90% SH. HAEMATITE
92R1471	N.D.P.	N.D.P.	—	Y-1/0 CARB.	20% HAEMATITE CRYS.
92R1472	N.D.P.	—	—	—	RED SST.
92R1473	N.D.P.	—	—	—	RED SILTY SST.
92R1474	N.D.P.	—	—	1/0 CARB.	HAEMATITE
92R1475	N.D.P.	—	—	1/0 CARB.	70% HAEMATITE MARL
92R1476	N.D.P.	—	—	—	50% LST. HAEMATITE
92R1477	N.D.P.	—	—	1/0 CARB.	70% LST. + 30% RED SPINES
92R1478	N.D.P.	—	—	1/0 CARB.	70% LST.; 30% RED SPINES
92R1479	N.D.P.	—	—	L.O. CARB.	10% LST.; 90% RED SILTY SPINES
92R1480	N.D.P.	—	—	1/0 CARB.	30% MARLY LST. 70% RED SPINES

SAMPLE No.	R.O. ANAL.	No. of READING	CONF.	U.V.	COMMENTS
92R 1481	N.D.P.	—	—	1/10-L.O. CARB.	10% SST.; 50% LST.; 40% RED SHALE
92R 1482	N.D.P.	—	—	1/10 CARB.	MARLY LST. HAEM. SPERKS
92R 1483	N.D.P.	—	—	1/10 CARB.	90% MARLY LST. 10% RED SHALE
92R 1484	N.D.P.	—	—	1/10 CARB.	MARLY LST. HAEMATITE TABLES
92R 1485	N.D.P.	—	—	1/10 CARB.	LST HAEMATITE TABLES
92R 1486	N.D.P.	—	—	1/10 CARB.	SHALY LST. HAEM. TE. CLAUONITE

SORRY. I CAN'T REALLY DO ANYTHING WITH THIS LOT. THE FIRST FEW SAMPLES ARE O.K. BUT WHEN WE GET INTO THE RED BED THE PHYTOCLASTS DISAPPEAR. EVEN WHEN THE HAEMATITE DECREASES IN THE FINAL FEW SAMPLES, THE SUCCESSION IS ALMOST WHOLLY LIMESTONE WHICH IS BAREEN.

ANOTHER APOLOGY FOR THE HANDWRITING BUT THE SECRETARY IS ON HOLIDAY TODAY. I WILL COMPUSERVE THE DATA, FOR WHAT IS WORTH, LATER THIS WEEK

BEST WISHES

MICK JONES.

TEXACO
INC.

PETROLEUM PRODUCTS



P. O. Box 810
Farmington, New Mexico

January 13, 1966

Re: Texaco #1 Hopi A Well
Navajo County, Arizona

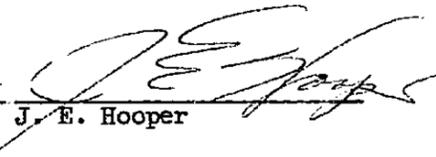
Mr. James R. Scurlock
Petroleum Geologist
Oil and Gas Conservation Commission
Room 202, 1624 West Adams
Phoenix, Arizona 85007

Dear Jim:

Please be advised that the samples for the Texaco #1 Hopi A Well have been delivered to the Four Corners Sample Cut. If you need some type of formal release, please let us know.

Yours very truly,

Fred E. Beach
District Landman

By 
J. E. Hooper

JEH:cs

307

January 11, 1966

Mr. J.E. Hooper, Landman
Texaco, Inc.
P.O. Box 810
Farmington, New Mexico

Re: Texaco #1 Hopi A well
NW NW 15-26N-16E, Navajo County, Arizona
Our File 307

Dear Jim:

I wonder if you would be so kind as to find out as to whether the Texaco #1 Hopi samples were ever delivered to Four Corners Sample Cut?

As you know our Rules and Regulations require that samples be released to this Commission six months after the well is completed.

Kindest regards,

Very truly yours,

J.R. Scurlock
Petroleum Geologist
mr

November 30, 1965

Texaco Inc.
P.O. Box 810
Farmington, New Mexico 87401

Attention: Mr. A.P. McConnell, Jr., District Geologist

Re: Texaco #1 Hopi well
NW/4NW/4 15-26N-16E, Navajo County, Arizona
File 307

Gentlemen:

We have just noticed that we overlooked returning to you an approved copy of Application to Plug and Abandon captioned well. This approved copy is enclosed at this time.

We apologize for the delay in returning this to you. Your cooperation has been very much appreciated.

Very truly yours,

John Bannister
Executive Secretary
BT
enc

TEXACO
INC.

PETROLEUM PRODUCTS

DOMESTIC PRODUCING DEPARTMENT (WEST)
DENVER DIVISION



Farmington, New Mexico 87401
P. O. Box 810

June 17, 1965

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

Dear Sir:

Re: Texaco #1 Hopi, NW/4-NW/4 15-T26N-R16E
Navajo County, Arizona
Permit 307

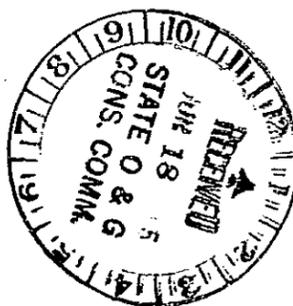
We are enclosing two copies each of the Induction-
Electrical and Sonic-Gamma Ray logs on the above captioned
test. This should complete your file on this well.

Very truly yours,

TEXACO Inc.

A. P. McConnell, Jr.
District Geologist

APM:alr
Encls.



307

307

June 15, 1965

Texaco Inc.
P. O. Box 810
Farmington, New Mexico

Re: Texaco #1 Hopi, NW/4-NW/4 15-T26N-R16E
Navajo County, Arizona
Permit 307

Gentlemen:

Copies of logs run on captioned well have not yet been received by this Commission. These should be furnished within 30 days of well completion.

Will you please forward these at your earliest convenience.

Very truly yours,

John Bannister
Executive Secretary
cb

June 7, 1965

Texaco Inc.
P. O. Box 810
Farmington, New Mexico

Re: Texaco #1 Hopi A, NW/4-Nw/4 15-T26N-R16E
Navajo County, Arizona
Permit 307

Gentlemen:

Will you please furnish us with a Sundry Report showing current status of this well. The last report received by us is dated April 23, 1965.

As we advised you in our letter of April 21, 1965, these reports should be submitted to keep this Commission currently informed.

Your earliest cooperation is very much appreciated.

Yours very truly,

John Bannister
Executive Secretary
cb

C
O
P
Y

May 28, 1965

Mr. H.A. Rankin
District Services Manager
Gulf Oil Corporation of California
P.O. Drawer 1938
Roswell, New Mexico 88201

Dear Mr. Rankin:

This will acknowledge the receipt of your letter of May 25, 1965 requesting copies of the well completion reports on the Hopi wells drilled by Amerada Petroleum, Skelly Oil, and Texaco Inc.

Please be advised to date completion reports have not been filed with this Commission.

As you are aware, the State of Arizona has a six months period in which information will remain confidential if so requested by the operator. Each of these wells has been classified as confidential.

At such time as this information may be released we will honor your request.

Yours very truly,

John Bannister
Executive Secretary

307

Gulf Oil Corporation of California

ROSWELL PRODUCTION DISTRICT

May 25, 1965

P. O. Drawer 1938
Roswell, New Mexico 88201

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

Gentlemen:

Will you please furnish us with the well completion reports that show the plugging reports of the following wells in the State of Arizona:

Amerada Petroleum No. 1 Hopi 5075
Section 8, T-29N, R-19E

Skelly Oil et al No. 1 Hopi Tribe A
Section 35, T-30N, R-17E

Texaco Inc. No. 1 Hopi Tribe A
Section 15, T-26N, R-16E

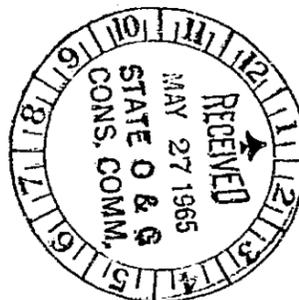
If these reports are not available at the present time, may we have copies when they are available.

Yours very truly,



H. A. Rankin
District Services Manager

TFH:sz



May 14, 1965

Texaco Inc.
P.O. Box 810
Farmington, New Mexico

Attention: Mr. Fred Brock

Re: Texaco #1 Hopi A well
NW/4NW/4 S15-T26N-R16E, Navajo County, Arizona
Permit 307

Gentlemen:

Pursuant to your telephone call yesterday, we are enclosing the forms necessary to complete the information needed for our files. All information you furnish us, of course will be kept extremely confidential.

We were hoping for a much brighter outcome from the drilling of this well.

Yours very truly,

John Bannister
Executive Secretary

r/mr
enc

May 13, 1965 2:10 p.m.

Fred Brock, Texaco, Farmington

Re: Texaco #1 Hopi
S15-T26N-R16E

Going to plug. Has verbal approval from USGS

Total depth: 5908'

Set plugs: 5750-5850
5420-5520
4324-4424
2590-2690
2180-2330

Set 35' site plug at bottom 10 3/4" casing (1009')

10' site plug at surface.

Drilled to granite.

321

April 21, 1965

Texaco, Inc.
P.O. Box 810
Farmington, New Mexico 84701

Attention: Mr. C.P. Farmer, District Superintendent

Re: Texaco #1 Hopi A well
NW/4NW/4 S15-T26N-R16E, Navajo County, Arizona
Permit 307

Gentlemen:

The Commission desires that it be kept informed as to the progress of all wells. We should be notified when a well is spudded, when it is logged or tested, if operations are being suspended for any reason, etc., whether or not any of these coincide with the Sundry Notices and Reports on Wells, which should be submitted monthly.

We have heard that the captioned well has been spudded, but we have not received any sort of notification from you. If this well has been spudded will you verify this to us.

We are again enclosing a supply of the forms, Sundry Notices and Reports on Wells, for your convenience in keeping us informed.

Yours very truly,

J.R. Scurlock
Petroleum Geologist

mr
enc

April 19, 1965

Mr. Irving I. Magid
Josephthal & Co.
19 Congress Street
Boston, Mass.

Re: Texaco #1 Hopi A well
NW/4NW/4 S15-T26N-R16E, Navajo County, Arizona
Permit 307

Dear Mr. Magid:

In reply to your memo of April 15, Texaco is expected to move in on their location within the next two or three weeks.

This location is approximately 20 miles southwest of a wildcat for which Skelly has staked a location in Section 35, Township 30N, Range 17E. Amerada is moving in on their location roughly 20 miles northeast of the Texaco location in Section 8, Township 29N, Range 19E.

The Texaco well is to be drilled as a tight hole. Apparently the well will be drilled by Brinkerhoff Drilling Company from Denver.

Yours very truly,

J.R. Scurlock
Petroleum Geologist
MR

83

MEMO



IRVING I. MAGID

4-15-65

GENTLEMAN:

COULD YOU

PLEASE GIVE ME
INFORMATION ON

1 HOPI TRIBLE - A
NW NW 15-26N-16E
NAVAHO COUNTY

IS WELL
DRILLING? OR IF

Josephthal & Co.
19 CONGRESS STREET
BOSTON, MASS.
LAFAYETTE 3-4620

MEMBERS
NEW YORK STOCK EXCHANGE
AMERICAN STOCK EXCHANGE
CHICAGO BOARD OF TRADE
COMMODITY EXCHANGE, INC.

Permit 307

COMPLETED & NOT
A "TIGHT" HOLE -
ANY RESULTS KNOWN.

VERY TRULY
YRS.

Irving J. Magid
Reg. Reps.

SK
Am 25

TEXACO
INC.

Please address reply to
Post Office Box 810
Farmington, New Mexico

PETROLEUM PRODUCTS



February 11, 1965

Re: A-1054 - Hopi Tribal Lease
Cont. #14-20-0450-5189
Navajo County, Arizona

Mr. James Scurlock
State of Arizona Geologist
Oil and Gas Conservation Commission
1624 W. Adams Room 202
Phoenix 7, Arizona 85007

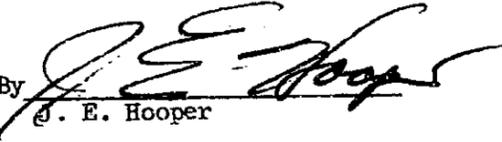
Dear Mr. Scurlock:

As you are aware, Texaco plans to drill the Hopi Tribe "A" Well No. 1 in the NW $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 15, Township 26 North, Range 16 East, Navajo County, Arizona.

It is Texaco's plan to drill this well tight, and we, therefore, request that any information furnished your office under normal procedures be held tight by your office. If there are any questions in this regard, please do not hesitate to call on us.

Yours very truly,

Fred E. Beach
District Landman

By 
J. E. Hooper

JEH:cs

307

February 10, 1965

Texaco, Inc.
P.O. Box 810
Farmington, New Mexico 84701

Attention: Mr. C.P. Farmer, District Superintendent

Re: Texaco #1 Hopi A well
NW/4NW/4 S15-T26N-R16E, Navajo County, Arizona
Permit 307

Gentlemen:

We are enclosing approved copy of Application for Permit to Drill and Receipt 9406 for the filing fee.

We are extremely interested in the progress of this well. For your convenience in keeping us informed periodically we are enclosing Form 25, Sundry Notice and Reports on Wells.

If this office may be of assistance to you at any time,

Yours very truly,

John Bannister
Executive Secretary

mr
enc

TEXACO
INC.

PETROLEUM PRODUCTS



P. O. Box 810
Farmington, New Mexico
87401

February 5, 1965

TEXACO Inc.
Hopi Tribe "A" Well No. 1
Sec. 15, T-26-N, R-16-E
Navajo County, Arizona

AIR MAIL

Oil & Gas Conservation Commission
State of Arizona
1624 West Adams
Phoenix, Arizona, 85007

Attention: Mr. John Bannister, Executive Secretary

Gentlemen:

Enclosed please find Form P-1, Application to Drill
and plat for the subject well.

Also enclosed is our check No. 350 in the amount of
\$25.00 for permit to drill. Please return in the enclosed
self-addressed envelope our Form G-15 after same has been
received.

Referring to your letter of December 16, 1964, per-
taining to the Confidential Information, we request that the
information furnished the Commission on this well be kept
confidential for a period of six months.

Very truly yours,

C. P. Farmer

C. P. Farmer
District Superintendent

ECH-LC

Enclosures

