

CASE 1518: Application of TEXACO INC.  
for a gas-oil dual of its State "BN"  
Well No. 1 - Lea County.

Case No.

1818

---

Application, Transcript,  
Small Exhibits, Etc.



DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 2-6691

ALBUQUERQUE, NEW MEXICO

BEFORE THE  
OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO  
NOVEMBER 24, 1959

IN THE MATTER OF:

CASE 1818 Application of Texaco Inc., for a gas-oil  
dual completion. Applicant, in the above-  
styled cause, seeks an order authorizing the  
dual completion of its State "BN" Well No. 1,  
located in the NW/4 SW/4 of Section 25, Town-  
ship 11 South, Range 32 East, Lea County, New  
Mexico, in such a manner as to produce gas  
from the Moore-Wolfcamp Gas Pool and to pro-  
duce oil from the Moore-Pennsylvanian Pool  
through the casing-tubing annulus and tubing  
respectively.

BEFORE:

Elvis A. Utz, Examiner

TRANSCRIPT OF PROCEEDINGS

MR. UTZ: The next case will be 1818.

MR. PAYNE: Case 1818. Application of Texaco Inc.,  
for a gas-oil dual completion.

MR. WHITE: If the Commission please, Charles White  
of Gilbert, White & Gilbert, Santa Fe, New Mexico, appearing on  
behalf of the applicant. We have one witness to be sworn at this  
time.

(Witness sworn)

J. ROBINSON, JR.,



called as a witness, having been first duly sworn, testified as follows:

DIRECT EXAMINATION

BY MR. WHITE:

Q Will you state your full name, please?

A J. Robinson, Jr.

Q By whom are you employed, Mr. Robinson, and in what capacity?

A Texaco Inc., as a petroleum engineer in our Midland Division.

Q Are you familiar with Texaco's application in Case No. 1818?

A Yes, sir.

Q Will you state what Texaco proposes?

A We propose to dually complete our State of New Mexico "BN" Well No. 1 as a dual Pennsylvanian well and a Wolfcamp gas producer.

(Whereupon, Texaco's Exhibit No. 1 was marked for identification.)

Q Will you refer to what has been marked Exhibit No. 1 and explain it, please?

A Exhibit No. 1 is a plat that shows Texaco's Inc., State of New Mexico "BN" NCT lease, which is outlined in yellow. The proposed dual well is circled in red, being "BN" No. 1. The wells listed on this plat, as shown on the legend, are

DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO



completed in the Devonian Field with the exception of two wells, those two wells being Amerada's State of New Mexico "MA" No. 1, which is a dual Devonian and Wolfcamp producer, and Texaco's "BN" No. 1, which is presently a Pennsylvanian well.

(Whereupon, Texaco's Exhibit No. 2 was marked for identification.)

Q Now, will you refer to Exhibit No. 2 and explain that document, please?

A Exhibit No. 2 is a diagrammatic sketch showing the proposed dual completion installation for our State "BN" No. 1. The well was drilled to a total depth of ten thousand two hundred and thirty-two feet; surface casing of thirteen and three-eighths inch casing was set at 346 feet with three hundred fifty sacks of regular cement circulated. Eight and five-eighths inch casing was set at 3540 with the cement being circulated, and the long string was set at TD of ten thousand two hundred and thirty-two feet with four hundred and fifty sacks with a temperature survey which indicated the top of the cement to be 7130.

We made a completion attempt in the Devonian and after we were unsuccessful in gaining production from the Devonian, we set a permanent type Bridge plug and capped it with one sack of Calseal at nine thousand nine hundred and ninety-five feet. The well was completed in the Pennsylvanian zone from 9654 to 9710 in 1952. Presently the well has a hook wall packer set at 9613, and we are flowing the well through the tubing. We have acidized this

DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO



well on three previous occasions and have had little success.

Q What production do you get out, from the well now?

A We flow the well approximately twelve hours a day, and we get three barrels of oil per day with a gas-oil ratio of 63,550 to 1. We desire now to frac this well in an effort to improve our production and at the same time dual the well in the Wolfcamp formation. In doing this, we will perforate the Wolfcamp from 8234 to 8260 and 8302 to 8345. We will set a Baker Model "D" Packer at approximately 9600 feet. We will run two and three-eighths inch OD tubing with Otis type "A" sliding side doors at 9630 and at 8250. We will continue producing the Pennsylvanian through two and three-eighths inch tubing, and produce the Wolfcamp through the tubing casing annulus.

Q Do you have any reason to believe that the Wolfcamp would be productive?

A Yes, sir During the drilling of this well, we took a drill stem test from 8250 to 8411. This drill stem test had a flow of four million two hundred fifty thousand MCF -- I'm sorry -- four thousand two hundred fifty MCF a day with approximately twelve barrels of distillate.

Q Is the Amerada presently producing from this zone?

A Yes, sir. Amerada's well produces between fifteen and twenty barrels of distillate a day and six hundred to seven hundred MCF of that --

Q And how long has this well been on production, if you

DEARNLEY-MEIER REPORTING SERVICE, Inc.

ALBUQUERQUE, NEW MEXICO

PHONE CH 3-6691



know?

A They completed the well in 1952. It has been producing approximately seven years without being shut-in.

(Whereupon, Texaco's Exhibit No.3 was marked for identification.)

Q Will you refer to what has been marked as Exhibit No.3 and explain the production characteristics?

A Exhibit No. 3 shows the production characteristics of what we expect from these zones. The Pennsylvanian zone which we produce from in our State "BN" No. 1 presently, is a sweet crude with a gravity of fifty-two point four degrees API and has a present gas-oil ratio of 63,550 to 1. Initial bottom hole pressure was 3326 at a minus 5350, taken in September, 1952. The hydrogen sulfide content is negligible in this case.

Q Have you experienced any evidence of corrosion?

A No, sir. In the seven years that we have produced our well in the Pennsylvanian zone, we have had no indication of corrosion.

Q And is this Wolfcamp gas sweet or sour?

A We have every reason to believe that it will be sweet since Amerada's well is a sweet gas well. We have a gas-oil ratio of 40,000 to 1. Their distillate has a sixty-five degree API gravity, and the Wolfcamp bottom hole pressure taken in our well on a drill stem test when the well was drilled was 2930 at a minus 4073 feet. Now, since we have no indication that we will

DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO





DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO

have any corrosion problems, we have no plans to protect for corrosion. We haven't plastic coated any of the tubing or anything, but should corrosion start occurring, we could squeeze a corrosion inhibitor into the Pennsylvanian zone down the tubing, and we could also squeeze an inhibitor into the Wolfcamp down the casing tubing annulus, or we could go in and close the sliding side door that would be located at approximately 9630, open the other, the upper sliding door and circulate the corrosion inhibitor.

(Whereupon, Texaco's Exhibit No. 4 was marked for identification.)

Q Now, will you refer to what has been marked Exhibit 4, if you will, please?

A Exhibit No. 4 is a radio active log run on Texaco's State "BN" No. 1. Marked in red, the Wolfcamp zone shows a top of 8234 feet with our proposed perforations being from 8234 to 8260, and also from 8302 to 8345. Also marked in red, shows the present perforated interval in the Pennsylvanian zone which is 9654 to 9710.

MR. WHITE: That concludes our testimony. We offer Exhibits 1 through 4 at this time.

Q (By Mr. White) Were these Exhibits prepared by you or under your direction?

A Yes, sir, they were.

MR. UTZ: Without objection, Exhibits 1 through 4 will be accepted.



(Thereupon, Texaco's Exhibits Nos. 1, 2, 3 and 4 were received in evidence.)

CROSS EXAMINATION

BY MR. UTZ:

Q Mr. Robinson, what is the gravity of the crude from the Wolfcamp zone?

A Sixty-five degrees.

Q Would the barrels per million of production be around twenty-five barrels GOR 40,000 to 1?

A I believe it would be. That's approximately right, yes, sir.

Q Do you feel that is quite a bit of liquid to try and lift through five and a half and two and three-eighths inch annulus?

A No, sir, not with the experience from Amerada's well. Their well has five and a half casing set in it. They've produced the Devonian through two and three-eighths inch tubing, and we would have a similar installation, and they have had no problem in lifting this amount of fluid.

Q How long has the Amerada well been completed, do you know?

A Yes, sir, seven years. It was completed August 19th, 1952 for one thousand four hundred and eighty MCF per day with a flowing pressure of 1700 PSI.

Q That's flowing gas from the Wolfcamp?

DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 8-6691

ALBUQUERQUE, NEW MEXICO



DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO

A Yes, sir.

Q Where is the Amerada well in relation to this one?

A It is three locations due north, located in the SW of the SW of Section 24.

Q No. 1 "MA?"

A Yes, sir.

MR. UTZ: Any other questions of the witness?

QUESTIONS BY MR. PAYNE:

Q Mr. Robinson, what purpose do these Otis sliding side door chokes have other than a method of circulating inhibitor?

A Well, that would be the principal reason why we would want to run it so we could kill our wells any time or treat the wells in that manner.

MR. PAYNE: I see. Thank you.

QUESTIONS BY MR. UTZ:

Q It could also be used to unload the fluids from the Wolfcamp?

A It could be, yes, sir. If we would have trouble in flowing this well, we would then run two strings of two and a sixteenth inch hydril, but we do not expect any difficulty.

MR. PAYNE: That wasn't the principal reason for proposing this particular installation?

A No, sir.

Q (By Mr. Utz) Isn't this Otis sliding side door check set actually a little below the Wolfcamp perforations rather than



above?

A I believe that that is set in between the two. It is set in the upper perforations.

MR. UTZ: Yes, I see, now. Are there any other questions? No other questions, the witness may be excused.

(Witness excused)

MR. UTZ: Any other statements to be made in this case? The case will be taken under advisement.

DEARNLEY-MEIER REPORTING SERVICE, Inc.

ALBUQUERQUE, NEW MEXICO

PHONE CN 3-6691



STATE OF NEW MEXICO )  
 ) ss  
 COUNTY OF BERNALILLO )

I, J. A. Trujillo, Notary Public in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached Transcript of Proceedings before the New Mexico Oil Conservation Commission was reported by me in Stenotype and reduced to typewritten transcript by me, and that the same is a true and correct record to the best of my knowledge, skill and ability.

WITNESS my Hand and Seal this, the 9<sup>th</sup> day of December, 1959, in the City of Albuquerque, County of Bernalillo, State of New Mexico.

*Joseph A. Trujillo*  
 NOTARY PUBLIC

My Commission Expires:  
 October 5, 1960

I do hereby certify that the foregoing is a correct and true transcript of the proceedings in the New Mexico Oil Conservation Commission, heard by me on Nov 24, 1959.  
*[Signature]*, Examiner  
 New Mexico Oil Conservation Commission

DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6651

ALBUQUERQUE, NEW MEXICO



DOCKET: EXAMINER HEARING NOVEMBER 24, 1959Oil Conservation Commission - 9 a.m., Mabry Hall, State Capitol, Santa Fe, New Mexico

The following cases will be heard before Elvis A. Utz, Examiner, or A. L. Porter, Jr., Secretary.

- CASE 1811: Application of The Atlantic Refining Company for permission to commingle the production from three separate pools from three separate leases. Applicant, in the above-styled cause, seeks an order authorizing it to commingle the Tubb, Blinebry, and Drinkard production from three Federal leases in Section 14, Township 25 South, Range 37 East, Lea County, New Mexico.
- CASE 1812: Application of Gulf Oil Corporation for permission to commingle the production from two separate leases. Applicant, in the above-styled cause, seeks permission to commingle the production from the Eumont Pool from its Ramsay (NCT-D) Lease consisting of the NE/4 of Section 31 and from its Ramsay (NCT-J) Lease consisting of the SW/4 SW/4 of Section 25, both in Township 20 South, Range 37 East, Lea County, New Mexico.
- CASE 1813: Application of Gulf Oil Corporation for a gas-oil dual completion and for permission to commingle the production from two separate pools. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its Travis Well No. 1, located 1980 feet from the South line and 660 feet from the East line of Section 21, Township 23 South, Range 37 East, Lea County, New Mexico, in such a manner as to permit the production of gas from an undesignated Abo gas pool and the production of oil from the Teague Pool. Applicant further seeks permission to commingle the oil produced from the Teague Pool from said well with the distillate produced from an undesignated Abo gas pool from said well.
- CASE 1814: Application of Leonard Latch for two water flood projects. Applicant, in the above-styled cause, seeks an order authorizing it to institute two water flood projects in the Empire Pool in Eddy County, New Mexico. In one project, applicant proposes to inject water into the Seven Rivers formation through ten wells located in the N/2 of Section 19, Township 17 South, Range 28 East. In the other project, applicant proposes to inject water into the Seven Rivers formation through seven wells located in the S/2 SE/4 of Section 12 and the NE/4 of Section 13, Township 17 South, Range 27 East.
- CASE 1815: Application of Leonard Oil Company for an unorthodox gas well location. Applicant, in the above-styled cause, seeks an order authorizing an unorthodox gas well location in the Jalmat Gas Pool at a point 2310 feet from the North and East lines of Section 21, Township 25 South, Range 37 East, Lea County, New Mexico. Applicant proposes that said well serve as the unit well for a non-standard gas proration unit in the Jalmat Gas Pool consisting of the E/2 NW/4 and W/2 NE/4 of said Section 21.
- CASE 1816: Application of Shell Oil Company for permission to commingle the production from several separate pools from several separate leases. Applicant, in the above-styled cause, seeks permission to commingle the production from an undesignated Atoka pool and an undesignated San Andres pool from two separate leases in Sections 23, 26, and 35, Township 19 South, Range 35 East, Lea County, New Mexico, and to transport said production from said leases

prior to measurement and to commingle such production with the commingled Pearl-Queen production authorized by Order No. R-1101. Applicant further seeks authorization to expand the automatic custody transfer system authorized by said Order No. R-1101.

CASE 1817:

Application of Sunray Mid-Continent Oil Company for an automatic custody transfer system and for permission to produce more than sixteen wells into a common tank battery. Applicant, in the above-styled cause, seeks an order authorizing it to install an automatic custody transfer system to handle the production from all Bisti-Lower Gallup Oil Pool wells on its Central Bisti Unit comprising certain acreage in Townships 25 and 26 North, Range 12 West, San Juan County, New Mexico.

CASE 1818:

Application of Texaco Inc., for a gas-oil dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its State "BN" Well No. 1, located in the NW/4 SW/4 of Section 25, Township 11 South, Range 32 East, Lea County, New Mexico, in such a manner as to produce gas from the Moore-Wolfcamp Gas Pool and to produce oil from the Moore-Pennsylvanian Pool through the casing-tubing annulus and tubing respectively.

CASE 1819:

Application of Hamilton Dome Oil Company, Ltd., for an order authorizing the commingling of production from two separate pools. Applicant, in the above-styled cause, seeks permission to commingle the Blinebry and Tubb production from a lease consisting of the S/2 SE/4 of Section 25, Township 25 South, Range 37 East, Lea County, New Mexico.

CASE 1820:

Application of Carper Drilling Company, Inc., and T. J. Sivley for permission to commingle the production from two separate leases. Applicant, in the above-styled cause, seeks permission to commingle the Empire-Abo Pool production from that portion of State Lease B-1483 consisting of lot 2 of Section 2 and that portion of State lease 2029 consisting of lot 3 of said Section 2, Township 18 South, Range 27 East, Eddy County, New Mexico.

CASE 1821:

Application of Cities Service Oil Company for establishment of a water flood project allowable. Applicant, in the above-styled cause, seeks an order establishing a project allowable for its Dickey Queen Sand Unit in Chaves County, New Mexico, and providing for the conversion of wells to water injection at the operator's election.

CASE 1822:

Application of Cities Service Oil Company for approval of automatic custody transfer facilities. Applicant, in the above-styled cause, seeks an order authorizing the installation of automatic custody transfer facilities to handle the Caprock-Queen Pool production from the Dickey Queen Sand Unit in Chaves County, New Mexico.

CARL H. GILBERT  
L. C. WHITE  
WILLIAM W. GILBERT  
SUMNER S. KOCH  
EDWIN E. PIPER, JR.

GILBERT, WHITE AND GILBERT  
ATTORNEYS AND COUNSELORS AT LAW  
BISHOP BUILDING  
SANTA FE, NEW MEXICO

October 20, 1959

New Mexico Oil Conservation Commission  
Capitol Building  
Santa Fe, New Mexico

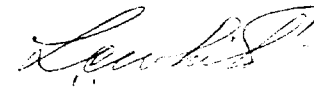
Gentlemen:

Enclosed herewith please find original and two copies of Application of Texaco Inc. to dually complete its State "BN" (NCT-1) Well No. 1.

I would appreciate it if this case would be set on one of the Examiner dockets.

Thanking you for your usual courtesies, I am

Very truly yours,



L. C. WHITE

LCW:LG

Enclosures

*Liquid Problems?*  
*(annular flow)*

*11/12/59*  
*g/h*



# NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

7-3-58

## APPLICATION FOR DUAL COMPLETION

Field Name <u>Moore (Pennsylvanian) &amp; Moore (Wolfcamp)</u>		County <u>Lea</u>	Date <u>October 8, 1959</u>
Operator <u>TEXACO Inc.</u>		Lease <u>State of New Mexico "BN" (NCT-1)</u>	Well No. <u>1</u>
Location of Well <u>L</u>	Unit <u>25</u>	Township <u>11-S</u>	Range <u>32-E</u>

1. Has the New Mexico Oil Conservation Commission heretofore authorized the dual completion of a well in these same pools or in the same zones within one mile of the subject well? YES ☐ NO ☒
2. If answer is yes, identify one such instance: Order No. \_\_\_\_\_; Operator, Lease, and Well No.:

3. The following facts are submitted:	Upper Zone	Lower Zone
a. Name of reservoir	<u>Wolfcamp</u>	<u>Pennsylvanian</u>
b. Top and Bottom of Pay Section (Perforations)	<u>8234'-8260' )</u> <u>8302'-8315' )</u> Proposed	<u>9654'-9710'</u>
c. Type of production (Oil or Gas)	<u>Gas</u>	<u>Oil</u>
d. Method of Production (Flowing or Artificial Lift)	<u>Flowing</u>	<u>Flowing</u>

4. The following are attached. (Please mark YES or NO)

- Yes a. Diagrammatic Sketch of the Dual Completion, showing all casing strings, including size and setting, top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.
- Yes b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
- No c. Waivers consenting to such dual completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application. \*
- \*No d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed, it shall be submitted as provided by Rule 112-A.)

5. List all offset operators to the lease on which this well is located together with their correct mailing address.

Samedan Oil Corporation, Box 2137, Hobbs, New Mexico

Sunray-Midcontinent Oil Company, 1101 Wilco Building, Midland, Texas

Tidewater Oil Company, Box 1231, Midland, Texas

Great Western Drilling Company, Box 1659, Midland, Texas

Sharples Oil Corporation, Box 162, Midland, Texas

Charles Canle, 3029 Perlita Avenue, Los Angeles 39, California

Mrs. J. H. Moore, Caprock, New Mexico

L. C. Harris, Box 6657, Roswell, New Mexico

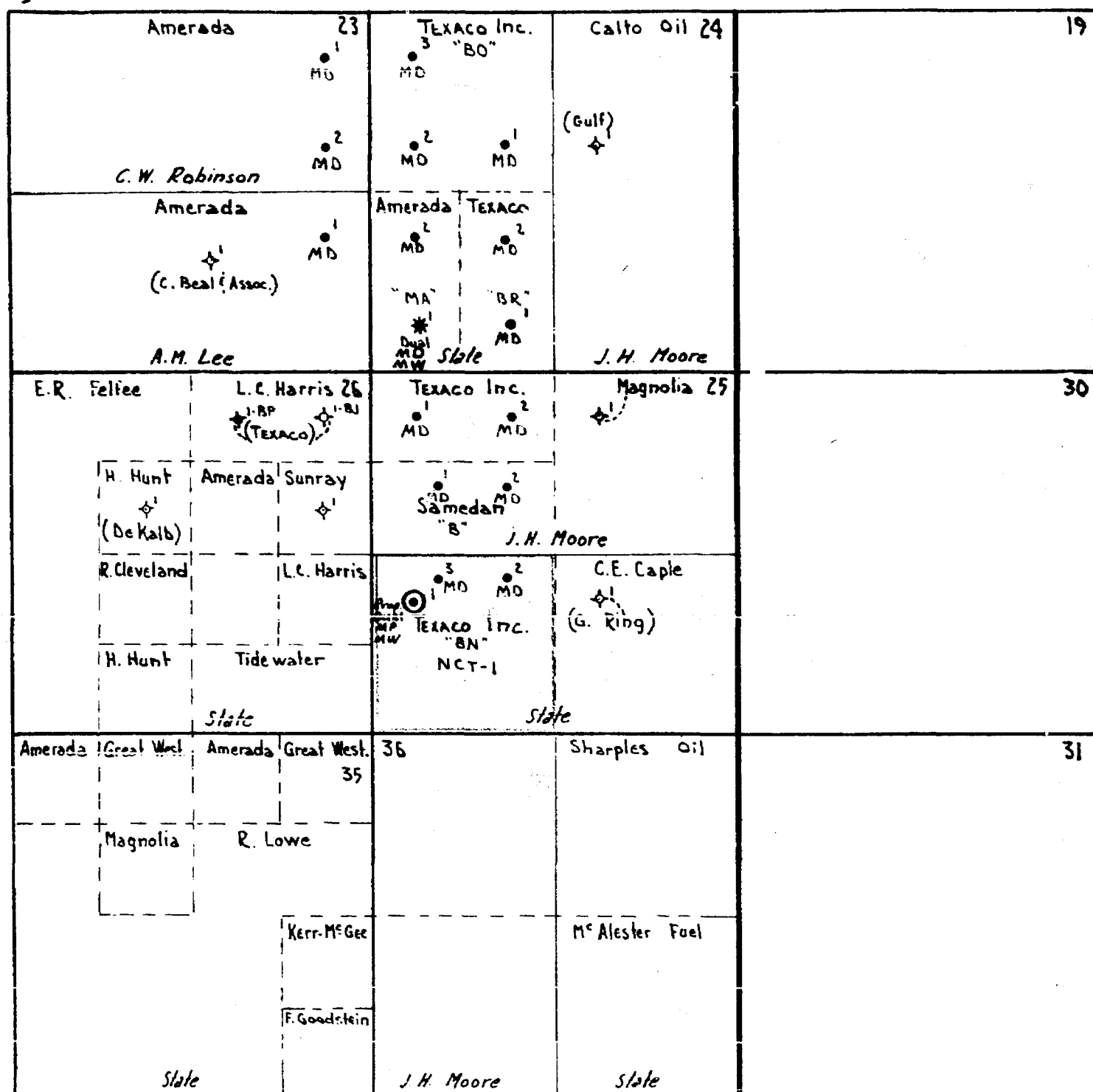
6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES ☐ NO ☒. If answer is yes, give date of such notification \_\_\_\_\_.

\* Will be presented at hearing.

CERTIFICATE: I, the undersigned, state that I am the Division Proration Engr. 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.

*Lew H. Attaway*  
*H. N. Wade*  
H. N. Wade Signature

- \* Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.
- NOTE: If the proposed dual completion will result in an unorthodox well location and/or a non-standard proration unit in either or both of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.



R-32-E R-33-E  
 PLAT OF TEXACO INC. STATE OF NEW MEXICO "BN" (NCT-1) LEASE  
 AND OFFSET LEASES  
 LEA COUNTY, NEW MEXICO  
 SCALE: 1" = 2000'  
 LMF-DDD

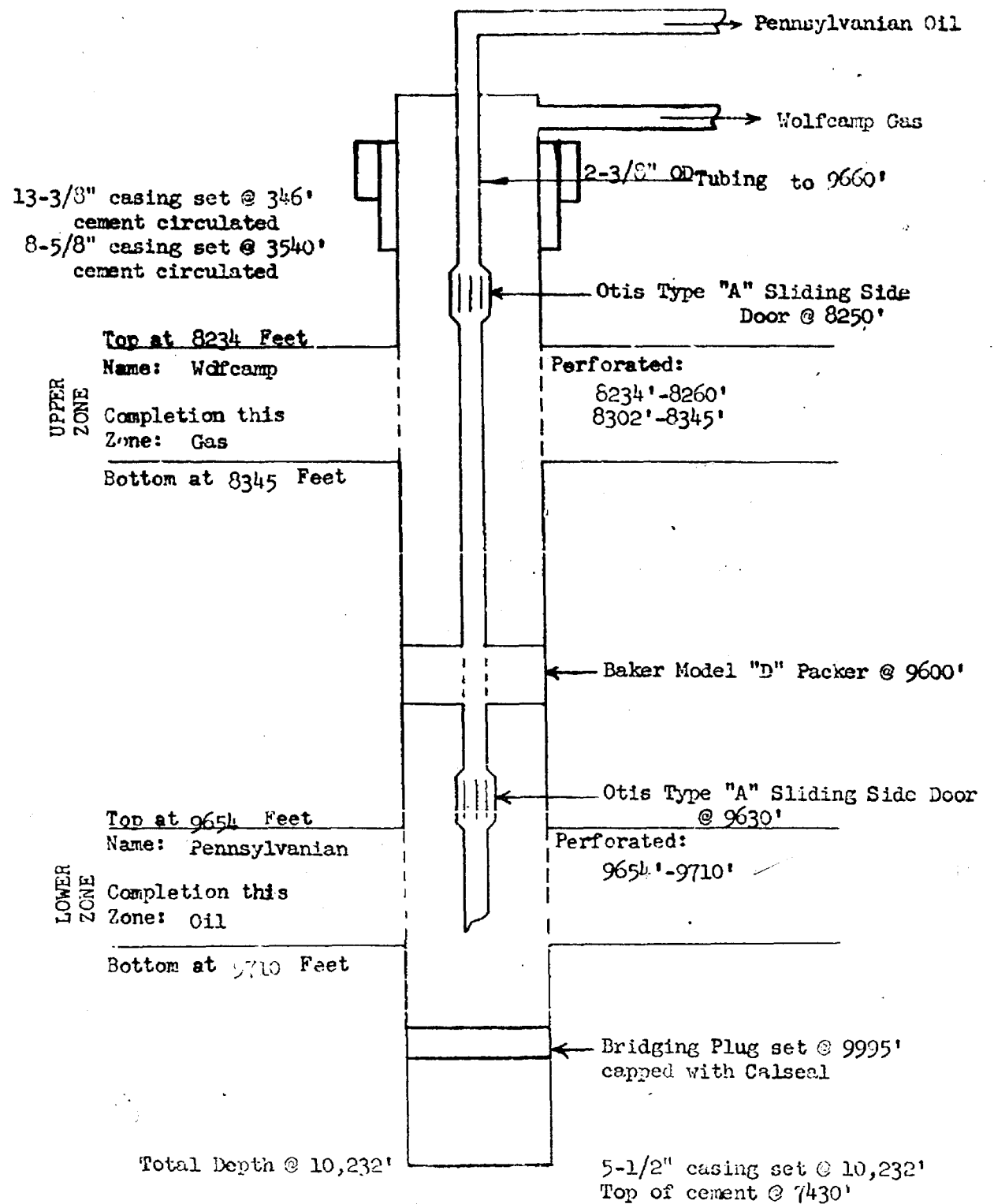
**LEGEND**

MD—moore Devonian Pool  
 MI—moore Pennsylvania Pool  
 MW—moore Wolfcamp Pool

**OFFSET OPERATORS**

Samedan Oil Corp.—Box 2137—Hobbs, New Mexico  
 Sunray—Midcontinent Oil Co.—1101 Wilco Bldg.—Midland, Texas  
 Tidewater Oil Co.—Box 1231—Midland, Texas  
 Great Western Drilg. Co.—Box 1659—Midland, Texas  
 Mr. J. H. Moore—Caprock, New Mexico  
 Charles Caple—3029 Perlita Ave.—Los Angeles 39, California  
 Sharples Oil Corp.—Box 162—Midland, Texas  
 L. C. Harris—Box 6657—Roswell, New Mexico

DIAGRAMMATIC SKETCH SHOWING DUAL COMPLETION INSTALLATION  
-PROPOSED-

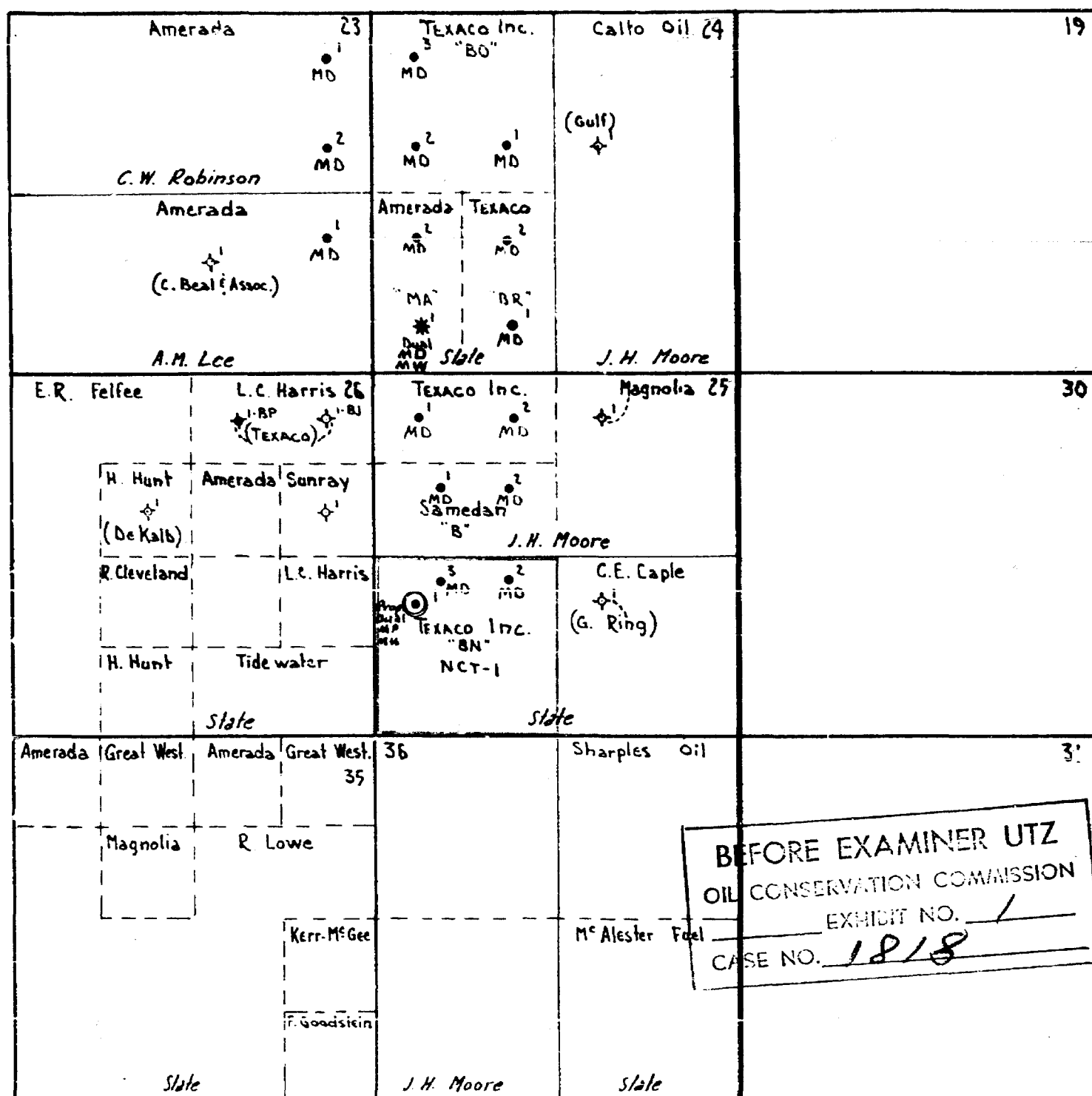


COMPANY. TEXACO Inc.

LEASE: State of New Mexico "BH" (NCT-1) Well No. 1

FIELD: Moore Pennsylvanian and Moore Wolfcamp

DATE: October 8, 1959



R-32-E  
 R-33-E  
 PLAT OF TEXACO INC. STATE OF NEW MEXICO "BN" (NCT-1) LEASE  
 AND OFFSET LEASES  
 LEA COUNTY, NEW MEXICO  
 SCALE: 1" = 2000'  
 IMF-DDD

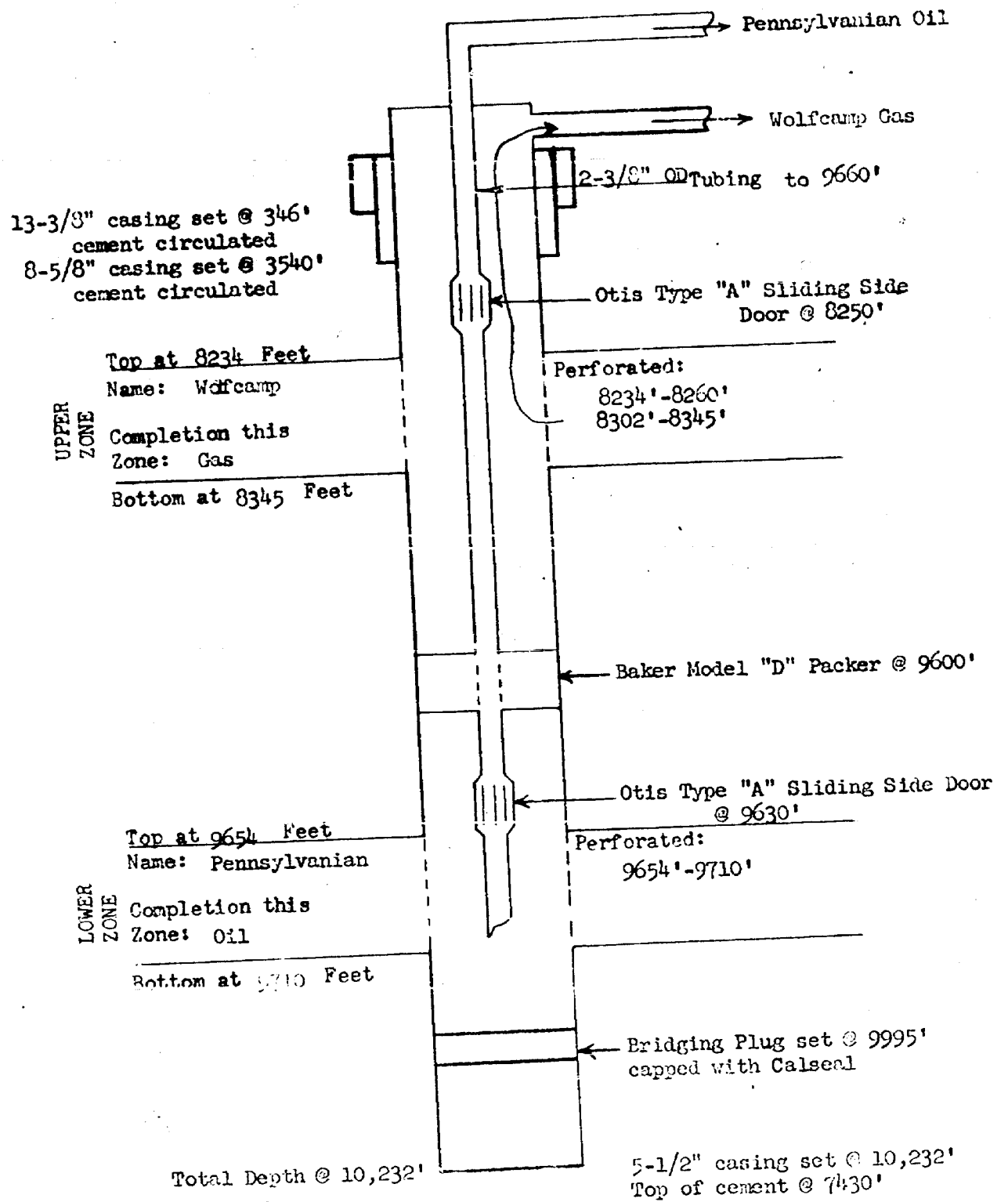
#### LEGEND

MD—moore Devonian Pool  
 MP—moore Pennsylvanian Pool  
 MW—moore Wolfcamp Pool

#### OFFSET OPERATORS

Samedan Oil Corp.—Box 2137—Hobbs, New Mexico  
 Sunray—midcontinent Oil Co.—1101 Wilco Bldg.—midland, Texas  
 Tidewater Oil Co.—Box 1231—midland, Texas  
 Great Western Drlg. Co.—Box 1659—midland, Texas  
 Mr. J. H. Moore—Caprock, New Mexico  
 Charles Caple—3029 Perlita Ave.—Los Angeles 39, California  
 Sharples Oil Corp.—Box 162—midland, Texas  
 L. C. Harris—Box 6657—Roswell, New Mexico

DIAGRAMMATIC SKETCH SHOWING DUAL COMPLETION INSTALLATION  
-PROPOSED-



COMPANY: TEXACO Inc.

LEASE: State of New Mexico "B1" (NCT-1) Well No. 1

FIELD: Moore Pennsylvanian and Moore Wolfcamp

DATE: October 8, 1959

C. T. NO. 1818

TEXACO Inc.  
 State of New Mexico "BN" (NCT-1) Well No. 1  
 Unit "L" Sec. 25, T-11-S, R-32-E  
 Lea County, New Mexico

PRODUCTION CHARACTERISTICS

<u>Item</u>	<u>Pennsylvanian Zone</u>	<u>Wolfcamp Zone</u>
Type of Crude	Sweet	Sweet
GGR (ft. <sup>3</sup> /Bbl.)	*63,550	** 40,000
Gravity (°API)	52.4	** 65
BHP (psi)	3326 @ -5350' (BHP, 9-8-52)	2930 @ -4073' (15.5 SIP, DST 8250'-8411', 6-12-52)
Hydrogen Sulfide	Negligible	** Negligible

\* Low productive well - Flows 31 OPD

\*\* Estimated - based upon production from Amerada Petroleum Corporation's  
 State of New Mexico "MA" Well No. 1, Moore Wolfcamp  
 Pool, three locations north of subject well.

CASE NO.	8/8/
EXHIBIT NO.	3
REPORT EXAMINED BY	ZLH
DATE OF EXAMINATION	8/8/

OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

Date 11-25-59

CASE 1818

Hearing Date 11-24-59

My recommendations for an order in the above numbered cases are as follows:

1. Require Texaco to put  ~~tubing~~ 2 strings of tubing in this well. This request, annular flow for the <sup>More</sup> Wolfcamp.
2. Provide for administrative approval of one string of tubing after a showing that efficient flow can be obtained thru the annulus.
3. A four point absolute gas flow <sup>test</sup> shall be submitted with request for Ad. approval if submitted.
4. Std. dual approval for 2 tubing completion otherwise.

Thos. H. H. H.

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
COMMISSION OF NEW MEXICO FOR  
THE PURPOSE OF CONSIDERING:

CASE No. 1818  
Order No. R-1547

APPLICATION OF TEXACO INC. FOR  
A GAS-OIL DUAL COMPLETION IN  
THE MOORE-WOLF CAMP GAS POOL AND  
THE MOORE-PENNSYLVANIAN POOL,  
LEA COUNTY, NEW MEXICO

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on November 24, 1959, at Santa Fe, New Mexico, before Elvis A. Utz, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 10th day of December, 1959, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Elvis A. Utz, and being fully advised in the premises,

FINDS:

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant is the owner and operator of the State of New Mexico "BN" (NCT-1) Well No. 1, located in the NW/4 SW/4 of Section 26, Township 11 South, Range 32 East, NMPM, Lea County, New Mexico.
- (3) That the applicant proposes to dually complete the above-described well in such a manner as to permit the production of gas from the Moore-Wolfcamp Gas Pool through the casing-tubing annulus and the production of oil from the Moore-Pennsylvanian Pool through 2-3/8 inch OD tubing.
- (4) That production of the Moore-Wolfcamp gas through the casing-tubing annulus, as proposed by the applicant, should be permitted for a 90-day trial period in order to determine whether annular flow of the Moore-Wolfcamp gas is efficient. Unless, within the 90-day trial period, the applicant submits satisfactory evidence to the Secretary-Director that annular flow of the gas is



-2-

Case No. 1818

Order No. R-1547

efficient, the subject dually completed well should be produced through parallel strings of tubing.

(5) That with the possible exception of the proposal that the Moore-Wolfcamp gas be produced through the casing-tubing annulus, the mechanics of the proposed dual completion are feasible and in accord with good conservation practices.

IT IS THEREFORE ORDERED:

(1) That the applicant, Texaco Inc., be and the same is hereby authorized to dually complete its State of New Mexico "BN" (NCT-1) Well No. 1, located in the NW/4 SW/4 of Section 25, Township 11 South, Range 32 East, NMPN, Lea County, New Mexico, in such a manner as to produce gas from the Moore-Wolfcamp Gas Pool and oil from the Moore-Pennsylvanian Pool.

(2) That for 90 days after a connection is obtained for the Moore-Wolfcamp gas completion of the subject well, the Moore-Wolfcamp gas may be produced through the casing-tubing annulus.

(3) That unless, within the 90-day trial period, the applicant submits satisfactory evidence to the Secretary-Director that annular flow of the Moore-Wolfcamp gas is efficient, the subject dually completed well shall be produced through parallel strings of tubing.

(4) That if the applicant submits satisfactory evidence to the Secretary-Director within the 90-day trial period that annular flow of the gas is efficient, the Secretary-Director may approve this manner of production for an indefinite period. In submitting such request, the applicant shall furnish the results of a four-point absolute open flow test on the subject well.

(5) That the applicant shall, in all other respects, complete, operate, and produce the subject well in accordance with the provisions of Section V, Rule 112-A.

(6) That the applicant shall take packer-leakage tests upon completion and annually thereafter during the gas-oil ratio test period for the Moore-Pennsylvanian Pool.

IT IS FURTHER ORDERED:

That jurisdiction of this cause is hereby retained by the Commission for such further order or orders as may seem necessary or convenient for the prevention of waste and/or protection of correlative rights; upon failure of applicant to comply with any requirement of this order, after proper notice and hearing the Commission may terminate the authority hereby granted and require

-3-

Case No. 1818  
Order No. R-1547

applicant or its successors and assigns to limit its activities to regular single-zone production in the interests of conservation.

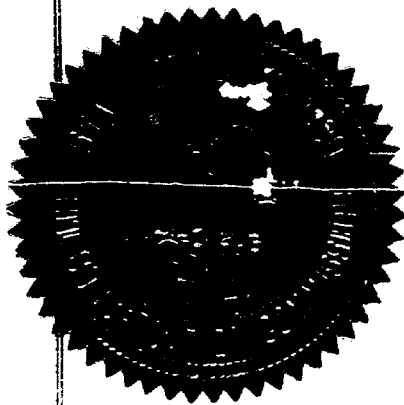
DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

*John Burroughs*  
JOHN BURROUGHS, Chairman

*Murray E. Morgan*  
MURRAY E. MORGAN, Member

*A. L. Porter, Jr.*  
A. L. PORTER, Jr., Member & Secretary



ven/