

CASE 2928: Application of TEXACO
for a ~~trial~~ completion of its
test of ~~the~~ "Q" NCT-1 Well No. 14.

CASE No.

2928

Application,
TRANSCRIPTS,

SMALL Exhibits

ETC.

BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
October 30, 1963

EXAMINER HEARING

DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1112

SANTA FE, N. M.
PHONE 983-3971

ALBUQUERQUE, N. M.
PHONE 243-6591

IN THE MATTER OF:

Application of Texaco Inc. for a triple completion, Lea County, New Mexico. Applicant in the above-styled cause, seeks approval of the triple completion (combination) of its State of New Mexico "O" NCT-1 Well No. 14, located in Unit J of Section 36, Township 17 South, Range 34 East, Lea County, New Mexico, to produce oil from the Vacuum-Wolfcamp and North Vacuum-Abo Pools through parallel strings of 2 7/8 inch casing and to produce oil from the Vacuum-Blinbry Pool through 1-1/2 inch tubing run inside 3-1/2 inch casing, all casing strings to be cemented in a common well bore.

Case No. 2928

BEFORE: Daniel S. Nutter, Examiner

TRANSCRIPT OF HEARING

MR. NUTTER: We will call Case 2928.

MR. DURRETT: Application of Texaco Inc. for a triple completion, Lea County, New Mexico.

MR. WHITE: Charles White, appearing on behalf of the Applicant. We have one witness to be sworn.

(Witness sworn.)

C. R. BLACK,

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 I am C. R. Black.

Q By whom are you employed and in what capacity?

A Texaco, Inc. as Division Proration Engineer, out of our Midland Office.

Q Have your qualifications been accepted by the Commission?

A Yes, sir, they have.

Q Will you briefly state what Texaco is seeking by the application.

A Mr. Examiner, this is the application of Texaco, Inc. for a triple completion in the Vacuum-Wolfcamp, North Vacuum-Abo and Vacuum-Blinbry Pools in Lea County, New Mexico.

Q Will you state the present status of the well?

A At the present time the well is completed in all three

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of these zones, and the Abo and the Wolfcamp are producing under a previous administrative order. The Blinebry has been completed, equipment is being installed and should be completed at this time and therefore, we are waiting on an allowable for the Blinebry.

Q What prior administrative approvals have you sought and obtained in regard to this well, Mr. Black?

A Well, administrative order MC-1292, dated April 15, 1963 was granted approving a triple completion in the Vacuum-Devonian, Wolfcamp and Abo formations. This approval was conditional upon the fact that we set four and a half inch casing in the Devonian and run a string of two inch tubing. By our letter of April 19, 1963, we asked that that application be amended to include three and a half inch casing and one and a half inch tubing for the Devonian. Since this one and a half inch tubing has an ID of less than 1.670 it was necessary that this matter be set for hearing. Case 2824 was set for hearing on June 5th of 1963; however prior to hearing that case it was obvious we were not going to make a Devonian completion and therefore, the case was dismissed, and Order No. R-2501 dated June 11, 1963 dismissed that application. So, at the present time we are operating the Wolfcamp and the Abo under Administrative Order MC-1292.

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

Q Will you refer to your ownership plat, Exhibit 1, and explain that, please?

A Yes, sir. Exhibit No. 1 is an ownership plat of the



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State of New Mexico "O" NCT-1 Lease. It's bordered in yellow and the subject well is circled in red. The footage location of this well is 1,874 feet from the south line and 2,086 feet from the east line.

The nearest comparable production, or the nearest production in these zones for the Blinebry is the State of New Mexico "O" Well No. 11. It's located to the northwest -- Excuse me, Mr. Examiner, that's for the Abo. For the Wolfcamp it's the State of New Mexico "O" Well No. 17, one location southwest. And for the Blinebry it's the Amerada State VB No. 2, one location due west.

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

Q Now, will you refer to Exhibit No. 2, your diagramatic sketch and give the physical completion?

A Exhibit No. 2 is a diagramatic sketch of the triple completion installation. We drilled a 20-inch hole to 100 feet and then at that point continued on with a 17½-inch hole to 1,593 feet. At that point we set 100 feet of 16-inch casing, and the remainder of 13 3/8-inch casing to a total depth of 1,593.

It was cemented with a total of 1,200 sacks and cement did circulate to the surface. We continued on to 4,825 feet with a 12½-inch hole and then we ran a combination string of 100 feet of 11 3/4-inch casing, and the remainder being 9 5/8-inch casing set at 4,825. This was cemented with a total of 1,700 sacks of cement



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and the estimated top of the cement is at 1,400 feet. We continued to a total depth of 12,154 feet with an 8 3/4 inch hole, and at that time we set a string of 3 1/2 inch casing at 12,151, a string of 2 7/8 inch casing at 10,818, and another string of 2 7/8 at 10,816; we cemented all three strings with a total of 1,600 sacks of cement and a temperature survey run after this cement job indicated the top to be at 4,650 feet, or actually back into the intermediate casing some 200 feet.

We then attempted completions in the Devonian and Morrow inside the 3 1/2 inch casing, but we were unsuccessful. We perforated the Wolfcamp zone through various intervals from 9,954 to 10,036 feet. This well was completed, or this zone was completed in July of 1963.

We completed the Abo zone, shown by the yellow casing string through various perforated intervals from 9,170 to 9,254. This zone was also completed in July.

The Devonian string was then shut in and in August, the first part of September we began completing the Blinebry zone and perforated the 3 1/2 inch casing with one shot per foot at 6,649, 6,667 and 6,682; we then ran a string of two-inch OD Buttress tubing.

At this point, Mr. Examiner, the application states that we're asking for an approval of an inch and a half tubing for the Blinebry. We found that we were going to have to pump the Blinebry initially, so we then changed to a two inch string of tubing which



meets the requirements as set out in the Commission's rules and regulations, for it has an ID of 1.670, so we no longer need an exception to the requirement, requiring a minimum ID of 1.67.

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

Q Now, will you refer to Exhibit 3 and give the crude characteristics?

A Exhibit 3 is a tabulation of the crude characteristics for these three zones. The Vacuum-Blinebry is an intermediate sweet crude with 36 degree gravity, bottom hole pressure of 1,952. Now, I might point out that this bottom hole pressure was not the actual pressure measured in this well; it was measured in the offset to the west, the Amerada BB Well Number 2. The gas-oil ratio is 350 cubic feet per barrel and it will pump initially.

The Vacuum-Abo is an intermediate sweet crude. It produces with a gravity of 38.0 degrees. It has a bottom hole pressure of 3,344, a gas-oil ratio of 973, and it is flowing.

The Vacuum-Wolfcamp is an intermediate sweet crude with a gravity of 42.1 degrees, a bottom hole pressure of 3,668 and a gas-oil ratio of 1,066. It is also flowing at this time.

Q Do you anticipate any corrosion or paraffin problems?

A No, sir, we do not anticipate any corrosion problems in any of the three zones. We do anticipate slight paraffin problems in the Blinebry and we will, periodically, hot oil this string of tubing in order to remove this paraffin that has accumu-

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lated.

Q What productivity tests have been taken and what do they indicate?

A The Blinebry zone on October 16th was swabbed, tested for 14 hours and it swabbed 80 barrels of oil and 84 barrels of water. This would be a sufficient volume to give us a top allowable of 70 barrels a day, which is the October allowable for this zone. On July 20th the Abo zone flowed 24 hours on a 21-64 choke with a tubing pressure of 400 psi; it flowed 238 barrels of oil and no water. To date this well is still not making any water. It's in excess of the top allowable of 178 barrels for this zone.

On July 17th the Wolfcamp flowed 402 barrels of oil in 24 hours through an 18-64 choke with a tubing pressure of 550 psi. It produced approximately 21 barrels of water during this test. This zone is also in excess of top allowable of 187 barrels.

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

Q Will you refer to Exhibit 4, the electrolog?

A Exhibit 4 is an electrolog of the subject well. It has the tops of the formations and the various perforated intervals marked in red.

Q In your opinion will the granting of this application prevent waste and protect correlative rights and tend to be in the interest of conservation?

A Yes, sir, it is.



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Q Does that conclude your testimony?

A I would like to make one other statement, that the Blinebry pumping equipment is installed, or installation should be completed this week, and therefore, we would appreciate any action that the Commission might take as fast as possible, in order that we may receive an allowable for this Blinebry zone.

Q Were these exhibits prepared by you or under your direction?

A Yes, sir.

MR. WHITE: We offer Exhibits 1 through 4.

MR. NUTTER: Applicant's Exhibits 1 through 4 will be admitted in evidence.

(Whereupon, Applicant's Exhibits 1 through 4 were admitted in evidence.)

MR. WHITE: That concludes our direct examination.

MR. NUTTER: Any questions of Mr. Black? Do you have anything farther, Mr. White?

MR. WHITE: Nothing, sir.

MR. NUTTER: The witness may be excused and we will take the case under advisement.

(Witness excused.)



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STATE OF NEW MEXICO)
COUNTY OF BERNALILLO)

ss.

I, ADA DEARNLEY, Court Reporter, do hereby certify that the foregoing and attached transcript of proceedings before the New Mexico Oil Conservation Commission, is a true and correct record to the best of my knowledge, skill and ability.

IN WITNESS WHEREOF I have affixed my hand and notarial seal this 18th day of November, 1963.

Ada Dearnley
Notary Public - Court Reporter

My Commission Expires:
June 19, 1967

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 2928 heard by me on 10/30, 1963.

John Examiner
New Mexico Oil Conservation Commission



TEXACO
INC.

PETROLEUM PRODUCTS



DOMESTIC PRODUCING DEPARTMENT
MIDLAND DIVISION

MAINT 2928
MAIN OFFICE OCC

1963 OCT 7 AM 7:57

P. O. BOX 3100
MIDLAND, TEXAS

October 2, 1963

New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Attn: Mr. A. L. Porter, Jr.

Gentlemen:

Texaco Inc. respectfully requests that a hearing be set to consider its application for a tubingless triple completion for the State of New Mexico "O" NCT-1 Well No. 14. This well will be completed in the Vacuum Blinbry and Wolfcamp and Vacuum, North (Abo) Pools, Lea County, New Mexico. In support of our application we wish to state the following facts:

1. Texaco Inc. is the operator of the State of New Mexico "O" NCT-1 Lease containing 400 acres and consisting of the S/2 N/2, SE/4, S/2 SW/4, Section 36, T-17-S, R-34-E, Lea County, New Mexico.
2. The State of New Mexico "O" NCT-1 Well No. 14 is located in Unit J of said Section 36.
3. The Wolfcamp zone will be an oil completion through perforations 9954'-10,036'. This zone will be produced through a string of 2-7/8" casing cemented in the well bore.
4. The Abo zone will be an oil completion through casing perforations 9170'-9254'. This zone will be produced through a string of 2-7/8" casing cemented in the well bore.
5. The Blinbry zone will be an oil completion through casing perforations 6649'-6682'. This zone will be produced through a string of 1 1/2" tubing inside 3 1/2" casing.

NMOCC

-2-

October 2, 1963

Attached is an Application for Triple Completion
and a plat of the Texaco State of New Mexico "O" NCT-1 Lease.
It is respectfully requested that this application be set
for hearing on the first available Examiner hearing docket.

Yours very truly,

DOCKET MAILED

C. R. Black

Date 10-15-63

C. R. Black
Division Proration Engineer

CRB-MM
Attach.

2

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

APPLICATION FOR MULTIPLE COMPLETION

5-1-61

Operator TEXACO Inc.		County Lea	Date
Address Box 728, Hobbs, New Mexico		Lease St. of N.M. 70th (NCT-1)	Well No. 14
Location of Well Unit J	Section 36	Township 17S	Range 34E

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

3. The following facts are submitted:

	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Vacuum, Blinebry	Vacuum North Abo	Vacuum Wolfcamp
b. Top and Bottom of Pay Section (Perforations)	6649-6682	9170-9254	9954-10,036
c. Type of production (Oil or Gas)	Oil	Oil	Oil
d. Method of Production (Flowing or Artificial Lift)	Flow	Flow	Flow

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

- Yes a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or turbolizers and location thereof, quantities used and 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 multiple completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.*
- Yes 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.

Continental Oil Co., Box 68, Eunice, New Mexico

Shell Oil Co., Box 1858, Roswell, New Mexico

Amerada Petroleum Corp., Box 668, Hobbs, New Mexico

Phillips Petroleum Co., Box 2105, Hobbs, New Mexico

Pacific Western, c/o Tidewater Oil Co., Box 547, Hobbs, New Mexico

Mobil Oil Co., Box 2406, Hobbs, New Mexico

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

CERTIFICATE: I, the undersigned, state that I am the Div. Proration Engineer of 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.

C. R. Black
C. R. Black

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 multiple 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.

Infaco Inc.
3 multiple completions

Application for Triple Completion
State of NM "L" no 6 unit B Sec 1
18S 34E, Lea County N.M.
Vacuum Glorietta, Vacuum Wolfcamp
& Vacuum Blumberg Through
3 Sturges 27/8 in tubing cemented

~~State~~ State of NM "M" no 5
unit D Sec 1 18S 34E
Same as above

State of NM "M" no 7
unit F Sec 1 18S 34E
Same as above

Case 2928

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

CARL H. GILBERT (1891-1963)
L. C. WHITE
WILLIAM W. GILBERT
SUMNER S. KOCH
WILLIAM BOOKER KELLY
JOHN F. MCCARTHY, JR.

October 4, 1963

1963 OCT 7 AM 7 57

POST OFFICE BOX 787
TELEPHONE 983-4324
(AREA CODE 505)

New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Attention: Mrs. Ida Rodriguez

Dear Ida:

Enclosed find original and two copies of Texaco's application
for a hearing to triple completion for State of New Mexico "O"
NCT-1 Well No. 14.

Thanking you for your usual courtesies, I remain

Yours sincerely,

DOCKET MAILED

Date 10-15-63 *Charles*
L. C. WHITE

LCW:bg

Docket No. 30-63
Docket No. 31-63

DOCKET: EXAMINER HEARINGS OCTOBER 18, 1963, AND OCTOBER 30, 1963

BOTH HEARINGS 9:00 A.M. OIL CONSERVATION COMMISSION CONFERENCE
ROOM, STATE LAND OFFICE BUILDING, SANTA FE, NEW MEXICO

Examiner: Daniel S. Nutter; Alternate Examiner: Elvis A. Utz

DOCKET NO. 30-63 - OCTOBER 18, 1963:

CASE 2910: (Continued from the October 9, 1963, examiner hearing)

Application of Big (6) Drilling Company for extension of an existing oil pool and special pool rules, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the extension of the Scharb Bone Spring Oil Pool to comprise the W/2 of Section 5, all of Section 6, and the N/2 of Section 7, Township 19 South, Range 35 East, Lea County, New Mexico, and for special rules therefor, including 80-acre spacing and proration units to comprise any two contiguous 40-acre tracts, and for fixed well locations.

DOCKET NO. 31-63 - OCTOBER 30, 1963:

CASE 2678: (Reopened and continued from the October 9, 1963, examiner hearing)

In the matter of Case No. 2678 being reopened pursuant to provisions of Order No. R-2359, which order established temporary 160-acre proration units for the East Saunders Permo-Pennsylvanian Pool, Lea County, New Mexico, for a period of one year. All interested parties may appear and show cause why said pool should not be developed on 40-acre proration units.

CASE 2903: (Continued from the October 9, 1963, examiner hearing)

Application of Coastal States Gas Producing Company for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the dual completion (conventional) of its Gulf State Well No. 1, located in Unit F of Section 20, Township 17 South, Range 36 East, Lea County, New Mexico, to produce oil from the Double-A Abo Pool and an undesignated Lower Leonard pool through parallel strings of tubing.

CASE 2921:

Application of Robert G. Hanagan for a non-standard gas proration unit, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of a non-standard gas proration unit comprising the S/2 SW/4 of Section 1 and the N/2 NW/4 of Section 12, Township 12 South, Range 34 East, Four Lakes-Devonian Gas Pool, Lea County, New Mexico, to be dedicated to a well to be drilled 660 feet from the South and West lines of said Section 1.

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Docket No. 30-63
Docket No. 31-63

CASE 2922:

Application of Consolidated Oil & Gas, Inc. for an unorthodox location and a dual completion, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval of the dual completion (conventional) of its Jicarilla No. C-1-11 to produce gas from the Blanco Mesaverde and Basin Dakota Gas Pools. Said well is at an unorthodox Blanco Mesaverde Pool location 890 feet from the South line and 990 feet from the East line of Section 11, Township 26 North, Range 4 West, Rio Arriba County, New Mexico.

CASE 2923:

Application of Cities Service Oil Company for a special gas-lift gas allocation, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to produce Blinebry gas from its State "S" Well No. 1 located in Unit E of Section 15, Township 21 South, Range 37 East, Lea County, New Mexico, and to utilize said gas for Hare Pool gas-lift operations on its State "S" Well No. 4 located in said Unit E. Gas produced from said State "S" Well No. 1 would be metered and charged to the Blinebry Oil Pool casinghead gas production from applicant's State "S" Well No. 6 also located in the said Unit E.

CASE 2924:

Application of Socony Mobil Oil Company for a dual completion and for a tubing exception, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the dual completion (conventional) of its State Bridges No. 58-DD in Unit M of Section 24, Township 17 South, Range 34 East, Lea County, New Mexico, to produce oil from the Vacuum Glorieta and Vacuum Blinebry Oil Pools through parallel strings of tubing. Applicant further seeks an exception to Commission Rule 107(d)4 to produce the Glorieta formation through the casing-tubing annulus from perforations at approximately 6000 feet up to 2 3/8-inch tubing landed in a dual packer at approximately 4020 feet.

CASE 2925:

Application of Sunray DX Oil Company for the creation of a Strawn Gas Pool and for Special Temporary Pool Rules, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks the creation of a new Strawn Gas Pool for its New Mexico State "AH" Well No. 1, located in Unit K of Section 30, Township 18 South, Range 23 East, Eddy County, New Mexico, and the establishment of temporary pool rules therefor, including a provision for 640-acre proration units and for fixed well locations.

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Docket No. 30-63
Docket No. 31-63

CASE 2926:

Application of Sinclair Oil & Gas Company for an exception to Order No. R-1670, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order permitting its Barber Gas Unit Well No. 1, located in Unit E of Section 8, Township 20 South, Range 37 East, Eumont Gas Pool, Lea County, New Mexico, to produce 600 MCF of gas per month in exception to the shut-in provisions of Rule 15(A) of Order No. R-1670, Southeast New Mexico Gas Pool Rules, said gas to be utilized in the oil well gas-lift system on applicant's B. J. Barber Lease.

CASE 2927:

Application of Skelly Oil Company for gas commingling, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Rule 21(A) of Order No. R-1670, Northwest New Mexico Gas Pool Rules, to permit the commingling of gas produced from its Jicarilla "C" Wells Nos. 3, 7, 4, 8 and 6, located in Units M and P of Section 21, Unit A of Section 28 and Units E and J of Section 27 respectively, Township 25 North, Range 5 West, South Blanco-Pictured Cliffs Pool, Rio Arriba County, New Mexico, allocating said gas to the individual wells on the basis of periodic testing. Applicant further proposes to meter said commingled gas and to commingle it with commingled casinghead gas produced from seven Otero-Gallup oil wells on its Jicarilla "C" lease.

CASE 2928:

Application of Texaco Inc. for a triple completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the triple completion (combination) of its State of New Mexico "O" NCT-1 Well No. 14, located in Unit J of Section 36, Township 17 South, Range 34 East, Lea County, New Mexico, to produce oil from the Vacuum-Wolfcamp and North Vacuum-Abo Pools through parallel strings of 2-7/8 inch casing and to produce oil from the Vacuum-Blaine Pool through 1-1/2 inch tubing run inside 3-1/2 inch casing, all casing strings to be cemented in a common well bore.

CASE 2929:

Application of Texaco Inc. for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water in the Basal San Andres formation through its State of New Mexico "O" NCT-1 Well No. 12 located in Unit J of Section 36, Township 17 South, Range 34 East, Vacuum Field, Lea County, New Mexico.

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Docket No. 30-63

Docket No. 31-63

CASE 2930:

Application of William G. Ross for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the South Wilson Deep Unit Area comprising 3,920 acres, more or less, of State and Fee lands in Township 21 South, Range 34 East, Lea County, New Mexico.

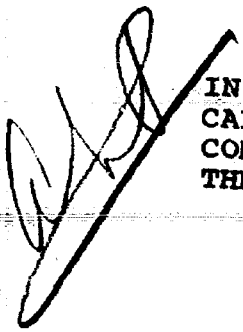
State of New Mexico
Oil Conservation Commission

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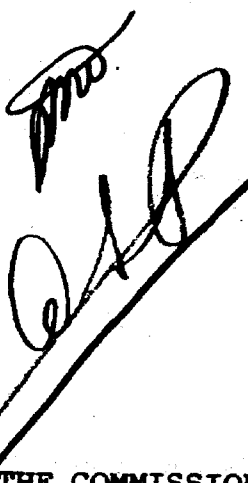
DRAFT

JMD/esr

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. 2928

Order No. R-  2595

APPLICATION OF TEXACO INC.
FOR A TRIPLE COMPLETION,
LEA COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on October 30, 1963, at Santa Fe, New Mexico, before Daniel S. Nutter, 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 _____ day of November, 1963, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Daniel S. Nutter, 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, Texaco Inc., seeks authority to complete its State of New Mexico "O" NCT-1 Well No. 14, located in Unit J of Section 36, Township 17 South, Range 34 East, NMPM, Lea County, New Mexico, as a triple completion (combination) to produce oil from the Vacuum-Wolfcamp and North Vacuum-Abo Pools through parallel strings of 2 7/8-inch casing and to produce oil from the Vacuum-Blinebry Pool through ² ~~1 1/2~~ inch tubing ^{installed in} ~~run inside~~ 3 1/2-inch casing, all casing strings to be cemented in a common well bore.

(3) That the mechanics of the proposed triple completion are feasible and in accord with good conservation practices.

(4) That approval of the subject application will prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Texaco Inc., is hereby authorized to complete its State of New Mexico "O" NCT-1 Well No. 14, located in Unit J of Section 36, Township 17 South, Range 34 East, NMPM, Lea County, New Mexico, as a triple completion (combination) to produce oil from the Vacuum-Wolfcamp and North Vacuum-Abo Pools through parallel strings of 2 7/8-inch casing and to produce oil from the Vacuum-Blinbry Pool through ²~~1 1/2~~-inch tubing ~~run~~ ^{installed in} ~~inside~~ 3 1/2-inch casing, all casing strings to be cemented in a common well bore.

PROVIDED HOWEVER, That the applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A of the Commission Rules and Regulations insofar as said rule is not inconsistent with this order.

PROVIDED FURTHER, That the applicant shall take zone segregation tests upon completion and annually thereafter during the Gas-Oil Ratio Test Period for the Vacuum Wolfcamp Pool.

(2) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

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

GOVERNOR
JACK M. CAMPBELL
CHAIRMAN

State of New Mexico

Oil Conservation Commission



LAND COMMISSIONER
E. B. JENKINS WALKER
MEMBER

P. O. BOX 871
SANTA FE

STATE SECRETARY
A. L. PORTER, JR.
SECRETARY - DIRECTOR

November 1, 1963

Mr. Charlie White
Gilbert, White & Gilbert
Attorneys at Law
Post Office Box 787
Santa Fe, New Mexico

Re: Case No. 2928
Order No. 2595
Applicant:
TEXACO INC.

Dear Sir:

Enclosed herewith are two copies of the above-referenced Commission order recently entered in the subject case.

Very truly yours,

A. L. Porter, Jr.

A. L. PORTER, Jr.
Secretary-Director

ix/

Carbon copy of order also sent to:

Hobbs OCC x

Artesia OCC

Astec OCC

OTHER

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. 2928
Order No. R-2595

APPLICATION OF TEXACO INC.
FOR A TRIPLE COMPLETION,
LEA COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on October 30, 1963, at Santa Fe, New Mexico, before Daniel S. Mutter, 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 1st day of November, 1963, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Daniel S. Mutter, 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, Texaco Inc., seeks authority to complete its State of New Mexico "O" NCT-1 Well No. 14, located in Unit J of Section 36, Township 17 South, Range 34 East, NMPM, Lea County, New Mexico, as a triple completion (combination) to produce oil from the Vacuum-Wolfcamp and North Vacuum-Abo pools through parallel strings of 2 7/8-inch casing and to produce oil from the Vacuum-Blinbry Pool through 2-inch tubing installed in 3 1/2-inch casing, all casing strings to be cemented in a common well bore.

(3) That the mechanics of the proposed triple completion are feasible and in accord with good conservation practices.

(4) That approval of the subject application will prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Texaco Inc., is hereby authorized to complete its State of New Mexico "O" NCT-1 Well No. 14, located

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CASE No. 2928
Order No. R-2595

in Unit J of Section 36, Township 17 South, Range 34 East, NMPH, Lea County, New Mexico, as a triple completion (combination) to produce oil from the Vacuum-Wolfcamp and North Vacuum-Abo Pools through parallel strings of 2 7/8-inch casing and to produce oil from the Vacuum-Blinabry Pool through 2-inch tubing installed in 3 1/2-inch casing, all casing strings to be cemented in a common well bore.

PROVIDED HOWEVER, That the applicant shall complete, operate and produce said well in accordance with the provisions of Rule 112-A of the Commission Rules and Regulations insofar as said rule is not inconsistent with this order.

PROVIDED FURTHER, That the applicant shall take some segregation tests upon completion and annually thereafter during the Gas-Oil Ratio Test Period for the Vacuum-Wolfcamp Pool.

(2) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

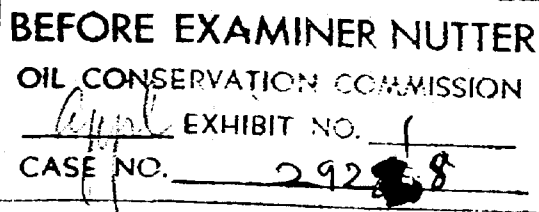
Jack M. Campbell
JACK M. CAMPBELL, Chairman

E. S. Walker
E. S. WALKER, Member

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

esr/

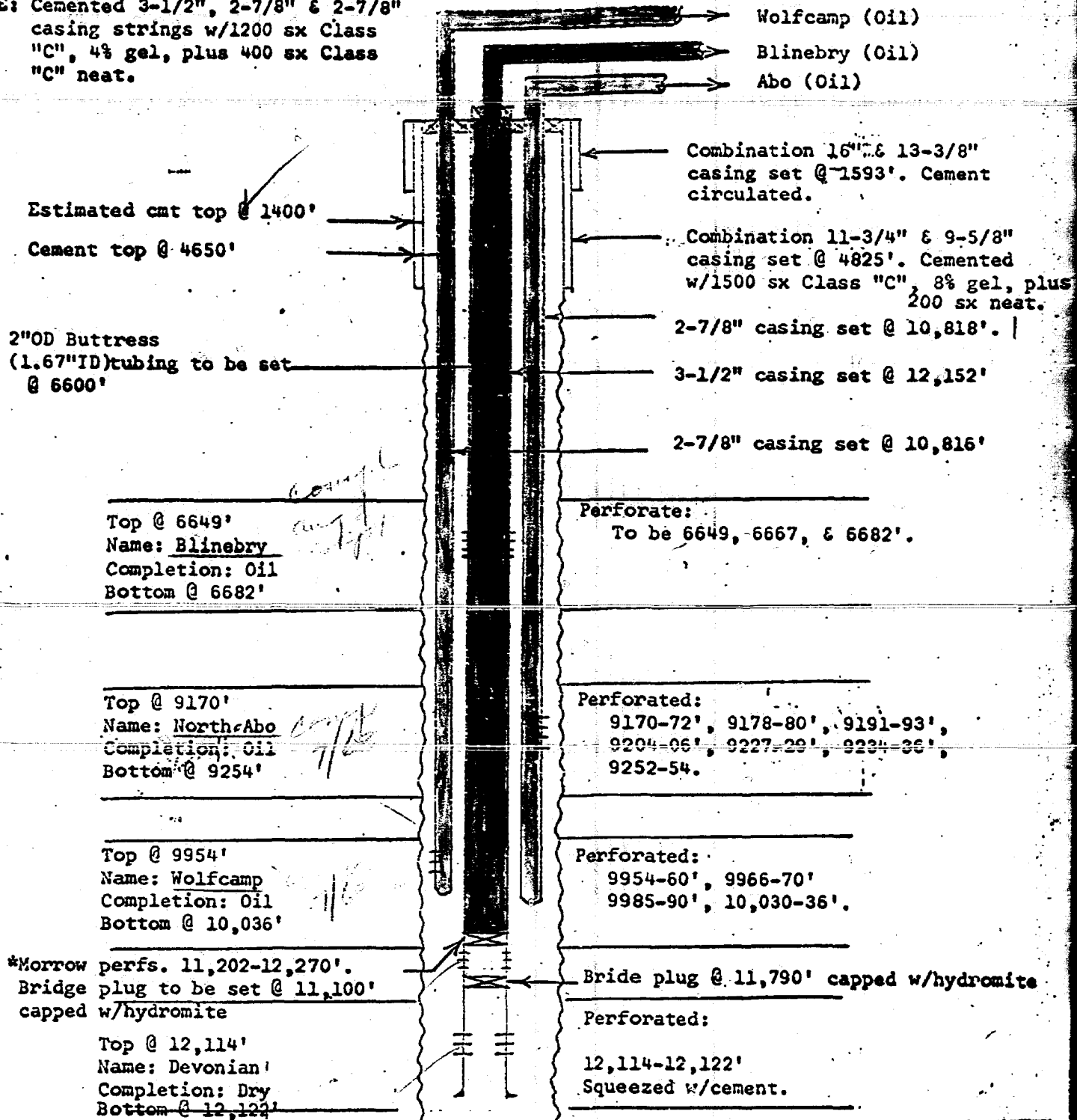
R-35-E



TEXACO INC.
VACUUM POOLS AREA
LEA COUNTY, NEW MEXICO
SCALE 1" = 2000

**Diagrammatic Sketch of Multiple Conventional
and Tubingless Completion**

NOTE: Cemented 3-1/2", 2-7/8" & 2-7/8"
casing strings w/1200 sx Class
"C", 4% gel, plus 400 sx Class
"C" neat.



* Morrow not productive.

TEXACO Inc.

Lease: State of New Mexico "O" (NCT-1) Well No. 14
Field: Vacuum (Blinebry, North Abo & Wolfcamp)

Total DEPT OF EXAMINER NUTTER
OR COMMISSIONER OF REVENUE
EXHIBIT NO. 2
2928

TEXACO INC.
STATE OF NEW MEXICO "O" NCT-1
WELL NO. 14
CRUDE CHARACTERISTICS

<u>Item</u>	<u>Vacuum Blinebry</u>	<u>Vacuum Abo</u>	<u>Vacuum Wolfcamp</u>
Type Crude	Int. Sweet	Int. Sweet	Int. Sweet
Gravity (^c API)	36.0	38.0	42.1
BHP (psi)	1952	3344	3668
GOR (cu.ft./bbl.)	350	937	1066
Status	Pump	Flow	Flow
Corrosion	None	None	None
Paraffin	Slight	None	None

Productivity Tests:

Blinebry	10-16-63	Swab 14 hrs., 80 B0, 84 BW
Abo	7-20-63	Flow 24 hrs, 21/64" choke, T. P. 400 psi, 238 B0 No water.
Wolfcamp	7-17-63	Flow 24 hrs., 18/64" choke, T. P. 550 psi, 402 B0, 21 BW.

BEFORE EXAMINED BY THE
CLERK OF THE DISTRICT COURT
[Signature] EXHIBIT 3
CASE NO. 2928