February 17, 1964

New Mexico Oil Conservation Commission
P. O. Box 2088
Hobbs, New Mexico

Re: Application for Recompletion of Wolfcamp Casing String in Vacuum (North Abo) Pool, TEXACO Inc. State of New Mexico "O" (NCT-1) Well No. 17, Combination Vacuum (Wolfcamp & Pennsylvanian) Tubingless & Conventional Vacuum (Devonian) Pools, Lea County, New Mexico.

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

Gentlemen:

TEXACO Inc. respectfully requests administrative approval to permit recompletion of the Wolfcamp casing string in the North Abo Pool in State of New Mexico "O" (NCT-1) Well No. 17, located in Unit N of Section 36, Township 17 South, Range 34 East, Lea County, New Mexico. The well is presently completed as a combination conventional-tubingless triple with parallel strings of 2-7/8 inch casing to produce each the Vacuum (Pennsylvanian & Wolfcamp) Pools and 3-1/2 inch casing with 1-1/2 inch tubing to produce the Vacuum (Devonian) Pool. All casing is cemented in a common well bore as specified in NMOCC Order No. R-2500 which approved the well for the manner in which it is presently completed. It is desired to abandon the Wolfcamp by cement squeezing through the casing perforations from 9962 feet to 10,004 feet and then complete the North Abo in the same casing string by selectively perforating zones in an interval from approximately 9097 feet to 9224 feet. A diagrammatic sketch of the proposed completion is attached.

Although no well has been previously approved for triple completion in the same well bore in the Vacuum (North Abo, Pennsylvanian and Devonian) Pools, it is believed that sufficient evidence exists to indicate that the mechanics of the proposed completion are feasible and and in accord with good conservation practices. In support of this, the following information is submitted:

Item	Vacuum Devonian	Vacuum Pennsylvanian	Vacuum Wolfcamp	Vacuum N. Abo
Type Crude	Int. Sweet	Int. Sweet	Int. Sweet	Int. Sweet
Gravity (°API)	52.1	40.3	42.1	38.0
BHP (psi)	4841	3811	3668	3373
GOR (cu. ft./bbl)	1680	907	1066	937
Status	Flow	Flow	Flow	Flow
Corrosion	None	None	None	None
Paraffin	Slight	Slight	Slight	Slight

TEXACO Well	Vacuum Zones Completed	NMOCC Order No.
St. of N. M. "O" (NCT-1) Well #11	Dev.,Wlfcp.,N.Abo	MC-1265-A
St. of N. M. "O" (NCT-1) Well #17	Dev.,Penn, Wlfcp.	R-2500
St. of N. M. "O" (NCT-1) Well #18	Penn.,Wlfcp.,N.Abo	MC-1394

In view of the above listed reservoir and crude characteristic data and the presently producing triple completions involving the zones in the proposed completion, it appears as if the subject well could be successfully completed and produced in a manner commensurate with good conservation practices. Therefore, TEXACO Inc. would appreciate obtaining administrative approval for the subject well and NMOCC Order No. R-2500 be revised to the effect to permit a triple combination completion to produce oil from the North Abo and Pennsylvanian formations through parallel strings of 2-7/8 inch casing and from the Devonian formation through 1-1/2 inch tubing installed within 3-1/2 inch casing, all casing strings cemented in a common well bore.

Yours very truly,

H. D. Raymond
Assistant District Superintendent

WPY/om

cc: NMOCC, Hobbs
Offset Operators

Attachments

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

5-1-61

APPLICATION FOR MULTIPLE COMPLETION

Operator		County	Date
TEXACO Inc.		Lea	February 18, 1964
Address		Lease	Well No.
P. O. Box 728, Hobbs, New Mexico		St. of New Mexico "O" (NCT-1)	17
Location of Well: Unit N	Section 36	Township 17-S	Range 34-E

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.:

Dev.,Penn.,Wlfcp.,-TEXACO St. of N.M. "O" (NCT-1) Well No. 17, Order No. R-2500
Dev.,Wlfcp.,N.Abo-TEXACO St. of N.M. "O" (NCT-1) Well No. 11, Order No. MC-1265-A

3. The following facts are submitted:

	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Vacuum, North Abo	Vac. Pennsylvanian	Vac, Devonian
b. Top and Bottom of Pay Section (Perforations)	Est. 9097-9224' (Selected Intervals)	10,130-10,140'	11,980-11,990'
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.*

** 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 Company, Box 427, Hobbs, New Mexico

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

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

Phillips Petroleum Company, Box 2130, Hobbs, New Mexico

Mobil Oil Company, Box 2406, Hobbs, New Mexico

Pacific Western c/o Tidewater Oil Company, Box 547, Hobbs, 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 February 18, 1964 by registered mail

CERTIFICATE: I, the undersigned, state that I am the Asst. Dist. Supt. 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.

H. D. Raymond
Signature

H. D. Raymond

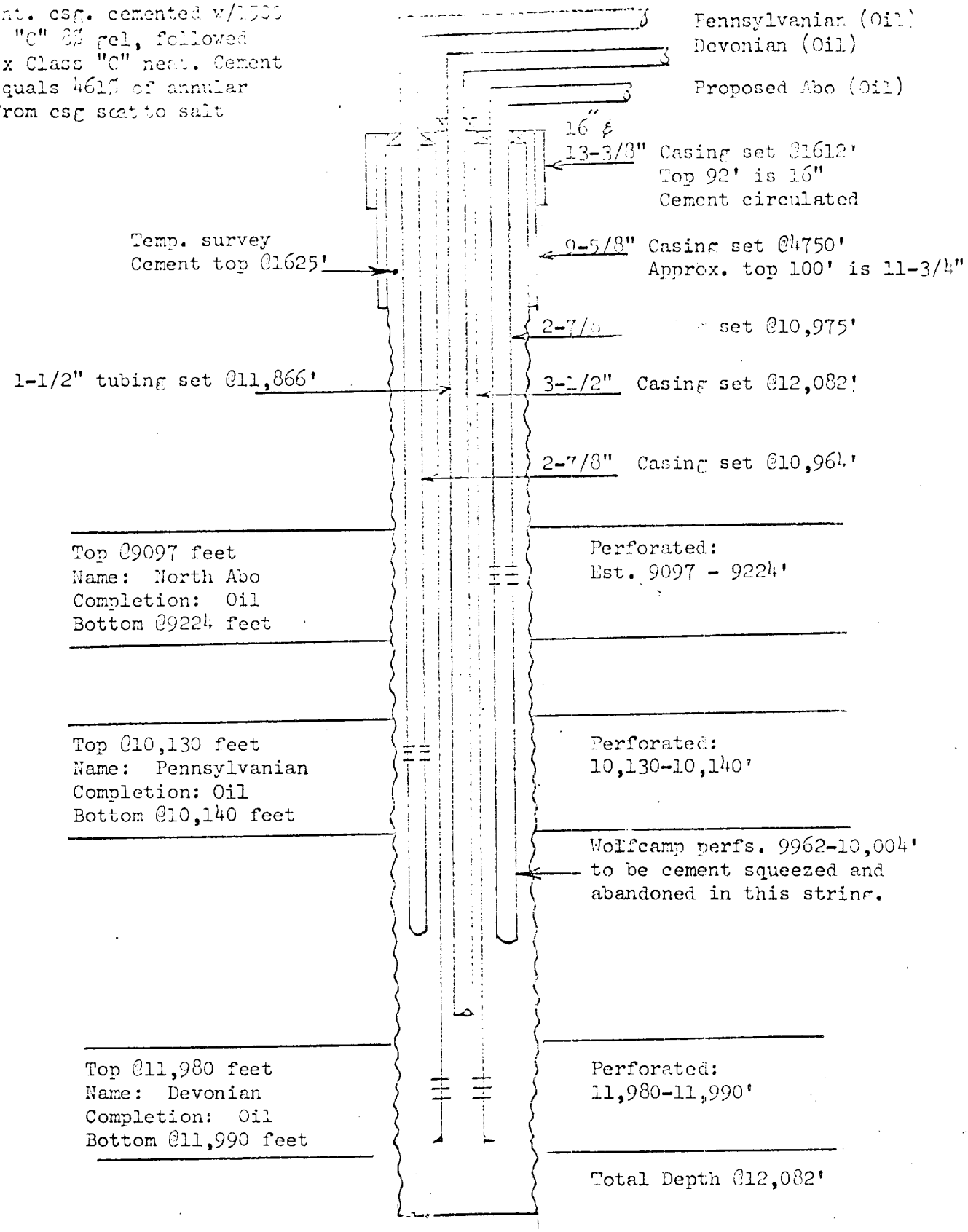
* Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest 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.

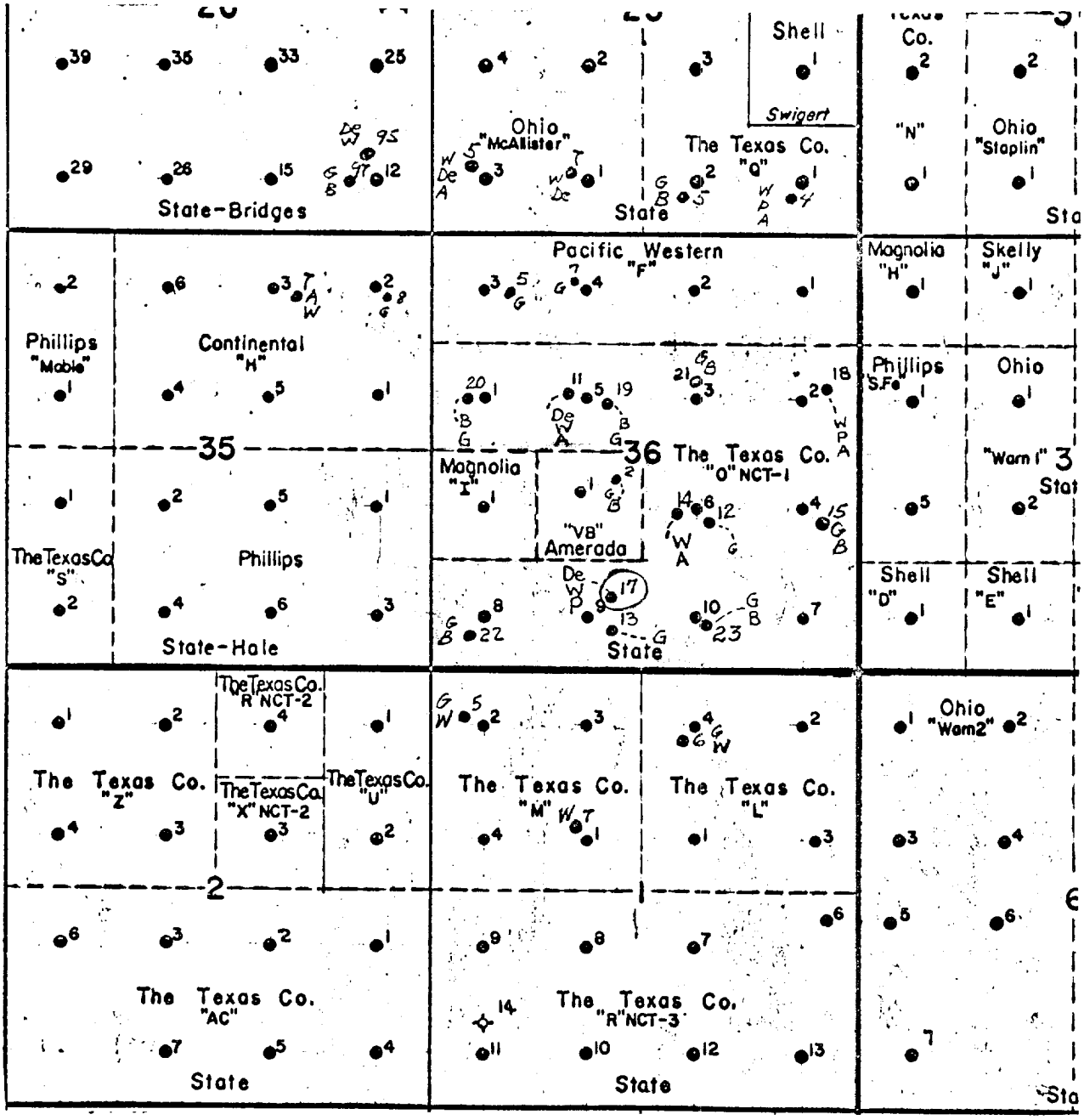
*Penn.,Wlfcp.,N.Abo-TEXACO St.ofN.M. "O" (NCT-1) Well No.18, Order No. MC-1394
**Log submitted with previous application.

SCHEMATIC DIAGRAM OF COMBINATION COMPLETION

Note: Int. csg. cemented w/1500 sx Class "C" 8% gel, followed by 200 sx Class "C" neat. Cement volume equals 461% of annular volume from csg seat to salt section.



TEXACO Inc.
State of New Mexico "O" (NCT-1) Well No. 17
Vacuum(Wolfcamp, Pennsylvanian & Devonian) Fields
& Proposed Vacuum, North Abo
February 18, 1964



Plat of TEXACO Inc.
State of New Mexico "O" (NCT-1) Lease
Lea County, New Mexico
Scale 1" = 2000'

LEGEND

D - Vacuum - Drinkard
A - Vacuum - Abo
De- Vacuum - Devonian
P - Vacuum - Pennsylvanian
W - Vacuum - Wolfcamp
B - Vacuum - Blinebry
G - Vacuum - Glorieta

Note: Wells not noted are in the Vacuum Pool

OFFSET OPERATORS

Continental Oil Co., Box 427, Hobbs, N.M.
Shell Oil Corp., Box 1858, Roswell, N.M.
Amerada Petroleum Corp., Box 668, Hobbs, N. M.
Phillips Petroleum Co., Box 2130, Hobbs, N. M.
Mobil Oil Co., Box 2406, Hobbs, N. M.
Pacific Western % Tidewater Oil Co., P. O. Box 547, Hobbs, N. M.