



PETROLEUM PRODUCTS

PRODUCING DEPARTMENT - UNITED STATES
MIDLAND DIVISION

November 14, 1969

NOV 18 1969
Duc 12/5

TEXACO INC.
P. O. BOX 3109
MIDLAND, TEXAS 79701

WELLBORE COMMINGLING
VACUUM ABO, NORTH AND WOLFCAMP POOLS
LEA COUNTY, NEW MEXICO

New Mexico Oil Conservation Commission (2)
P. O. Box 2088
Santa Fe, New Mexico 87501

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

Gentlemen:

Texaco Inc. respectfully requests approval to commingle in the wellbore oil and gas production from the Vacuum Abo, North and Vacuum Wolfcamp reservoirs which are multiply completed in Well No. 6 on Texaco Inc. lease State of New Mexico "N". The well is located in Unit L of Section 30, T-17-S, R-35-E, Lea County, New Mexico. At the present time the subject well is a triple completion with the Vacuum Glorieta reservoir also producing. Administrative approval is requested under the provisions of Order No. R-3845 amending Statewide Rule 303.

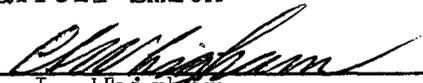
Well No. 6 qualifies under the provisions of Section C.1. in that both zones to be commingled are classified as oil zones and produce oil and water volumes within the prescribed limits. The fluids are compatible as evidenced by surface commingling which has been in progress for several years. The value of the commingled fluids will not be reduced as a result of wellbore commingling. Both zones are produced by artificial lift and all mineral interest ownership is common. Wellbore commingling will not jeopardize secondary recovery operations.

In compliance with Section C.2. of Statewide Rule 303, Texaco Inc. submits a data sheet which identifies the application and all details concerning the subject well. In addition, production decline curves for both zones are included which may be used for allocating commingled production to each zone for statistical purposes. Forms C-116 are attached to show recent well tests of both of the two reservoirs.

A list of all offset operators and their addresses, each of whom is receiving a copy of this letter, is attached.

Yours very truly,

Darrell Smith

By 
C. L. Whigham
Division Proration Engineer

CLW-MM
Attach.

DATA SHEET FOR WELLBORE COMMINGLING

Operator: TEXACO Inc.

Address: P.O. Box 728 - Hobbs, New Mexico 88240

Lease and Well No: NEW MEXICO 'N' STATE WELL NO. 6

Location: Unit L ; 460 Feet from the West Line and
1980 Feet from South Line of Section 30;
Township 17-South, Range 35-East; Lea County.

MULTIPLE COMPLETION ORDER NO. MC-1515-A

WELL DATA

	<u>Upper Pool</u>	<u>Lower Pool</u>
Name of Pool	<u>Vacuum Abo, North</u>	<u>Vacuum Wolfcamp</u>
Producing Method	<u>Pump</u>	<u>Pump</u>
BHP	<u>900 psi (Est.)</u>	<u>1150 psi (Est.)</u>
Type Crude	<u>Intermediate Sweet</u>	<u>Intermediate Sweet</u>
Gravity	<u>37.9°</u>	<u>37.4°</u>
GOR Limit	<u>2000:1</u>	<u>2000:1</u>
Completion Interval	<u>9079-9214'</u>	<u>9612-9833'</u>
Current Test Date	<u>10-25-69</u>	<u>10-26-69</u>
Oil	<u>4</u>	<u>33</u>
Water	<u>0</u>	<u>2</u>
GOR	<u>TSTM</u>	<u>1812</u>
Selling Price of Crude-\$/BBL.	<u>\$3.30</u>	<u>\$3.30</u>
Daily Income - \$/Day	<u>\$13.20</u>	<u>\$108.90</u>

COMMINGLED DATA:

Gravity of Commingled Crude 37.5°

Selling Price of Commingled Crude - \$/BBL. \$3.30

Daily Income - \$/Day \$122.10

Net (Gain) (Loss) From Wellbore Commingling - \$/Day 0
based on current producing rates.

OFFSET OPERATORS

TEXACO Inc.

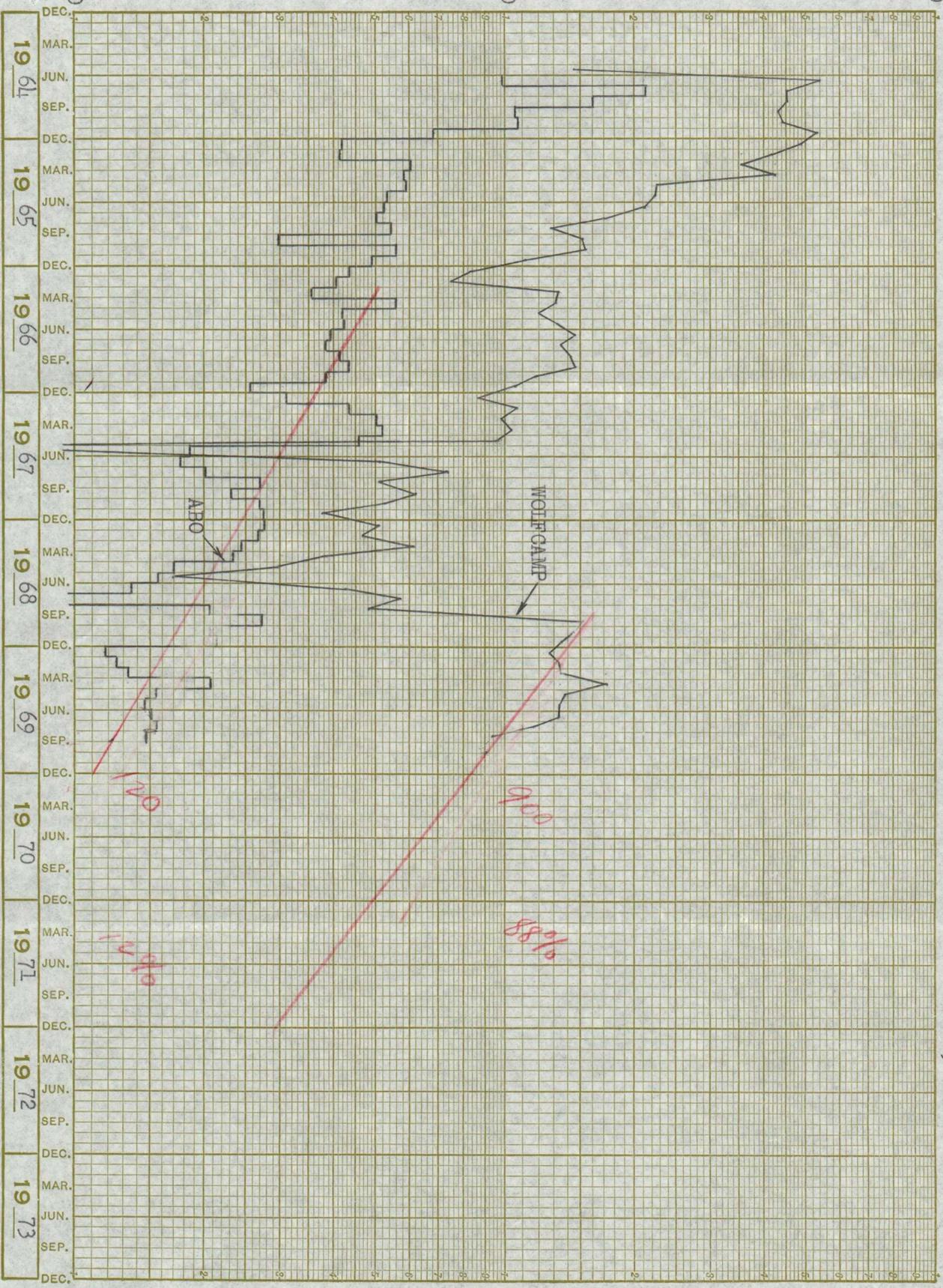
NEW MEXICO 'N' STATE LEASE

Atlantic Richfield Company	P.O. Box 352	Midland, Texas 79701
Getty Oil Company	P.O. Box 1231	Midland, Texas 79701
Humble Oil & Refining Co.	P.O. Box 1600	Midland, Texas 79701
Marathon Oil Company	P.O. Box 552	Midland, Texas 79701
Mobil Oil Company	P.O. Box 633	Midland, Texas 79701
Shell Oil Company	P.O. Box 1509	Midland, Texas 79701
Skelly Oil Company	Drawer 'H'	Monahans, Texas 79756

10,000

BARRELS/MONTH
1,000

100



TEXACO Inc.
 PERFORMANCE CURVE
 NEW MEXICO "N" STATE NO. 6
 VACUUM (NORTH ABO & WOLF CAMP) FIELD
 IEA COUNTY, NEW MEXICO

124

NEW MEXICO OIL CONSERVATION COMMISSION
GAS - OIL RATIO TESTS

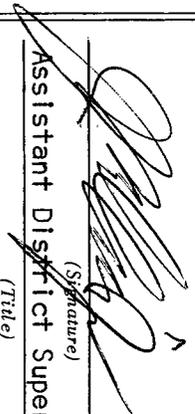
C-116
Revised 1-1-65

Operator		Pool		County	
TEXACO Inc.		Vacuum Abo, North		Lea	
Address		P.O. Box 728 - Hobbs, New Mexico 88240		TYPE OF TEST - (X)	
				Scheduled <input type="checkbox"/> Special <input checked="" type="checkbox"/>	
LEASE NAME		WELL NO.		DATE OF TEST	
New Mexico IN State		6		10-25-69	
TEXACO-Mobll State		1		10-27-69	
		LOCATION		STATS	
		U S T R		CHOKE SIZE	
		L 30 17S 35E		TGB. PRESS.	
		H 25 17S 34E		DAILY ALLOW-ABLE	
				LENGTH OF TEST HOURS	
				WATER BBL.S.	
				PROD. DURING TEST	
				GRAV. OIL BBL.S.	
				GAS M.C.F.	
				GAS - OIL RATIO CU.FT./BBL.	
				0 37.9 4 TSTM TSTM	
				0 41.4 33 45.0 1636	

NOTE: THESE ARE TESTS PRIOR TO DOWNHOLE COMMINGLING.

No well will be assigned an allowable greater than the amount of oil produced on the official test.
 During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.
 Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.
 Report casing pressure in lieu of tubing pressure for any well producing through casing.
 Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

I hereby certify that the above information is true and complete to the best of my knowledge and belief.


 Assistant District Superintendent
 (Title)
 10-30-69
 (Date)

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116
Revised 1-1-65

Operator		TEXACO Inc.		Pool		Vacuum Wolfcamp		County		Lea					
Address		P.O. Box 728 - Hobbs, New Mexico 88240						TYPE OF TEST - (X)		Scheduled <input type="checkbox"/>		Completion <input type="checkbox"/>		Special <input checked="" type="checkbox"/>	
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	STATUS	CHOKESIZE	TBG. PRESS.	DAILY ALLOWABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS M.C.F.	GAS - OIL RATIO CU.FT./BBL.
		U	S	T							R	WATER BBLs.	GRAV. OIL		
New Mexico 'N' State	6	L	30	17S	35E	10-26-69	P	-	45	24	2	37.4	33	59.8	1812
Texaco-Mobil State	1	H	25	17S	34E	10-29-69	P	-	43	24	0	39.6	17	TSTM	TSTM
NOTE: THESE ARE TESTS PRIOR TO WELLBORE COMMINGLING.															

No well will be assigned an allowable greater than the amount of oil produced on the official test.
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 (Signature)
 Assistant District Superintendent
 (Title)
 10-30-69
 (Date)