



PETROLEUM PRODUCTS

PRODUCING DEPARTMENT - UNITED STATES  
MIDLAND DIVISION

November 17, 1969

NOV 18 1969  
DUE 12/8  
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. 1 on Texaco Inc. lease Texaco-Mobil State. The well is located in Unit H of Section 25, T-17-S, R-34-E, Lea County, New Mexico. At the present time the subject well is a triple completion with the Vacuum Upper Pennsylvanian reservoir also producing. Administrative approval is requested under the provisions of Order No. R-3845 amending Statewide Rule 303.

Well No. 1 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 is attached showing the names and addresses of all offset operators, each of whom is receiving a copy of this letter.

Yours very truly,

Darrell Smith  
Division Manager

By *C. L. Whigham*  
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: TEXACO-MOBIL STATE WELL NO. 1

Location: Unit H; 560 Feet from the East Line and  
2080 Feet from North Line of Section 25;  
Township 17-S, Range 34-E; Lea County.

MULTIPLE COMPLETION ORDER NO. MC-1526

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>41.4°</u>	<u>39.6°</u>
GOR Limit	<u>2000:1</u>	<u>2000:1</u>
Completion Interval	<u>9093-9239'</u>	<u>9626-9937'</u>
Current Test Date	<u>10-27-69</u>	<u>10-29-69</u>
Oil	<u>33</u> <i>1023</i>	<u>17</u>
Water	<u>0</u>	<u>0</u>
GOR	<u>1636</u>	<u>TSTM</u>
Selling Price of Crude-\$/BBL.	<u>\$3.36</u>	<u>\$3.34</u>
Daily Income - \$/Day	<u>\$110.88</u>	<u>\$56.78</u>

COMMINGLED DATA:

Gravity of Commingled Crude 40.8°  
Selling Price of Commingled Crude - \$/BBL. \$3.36  
Daily Income - \$/Day \$168.00

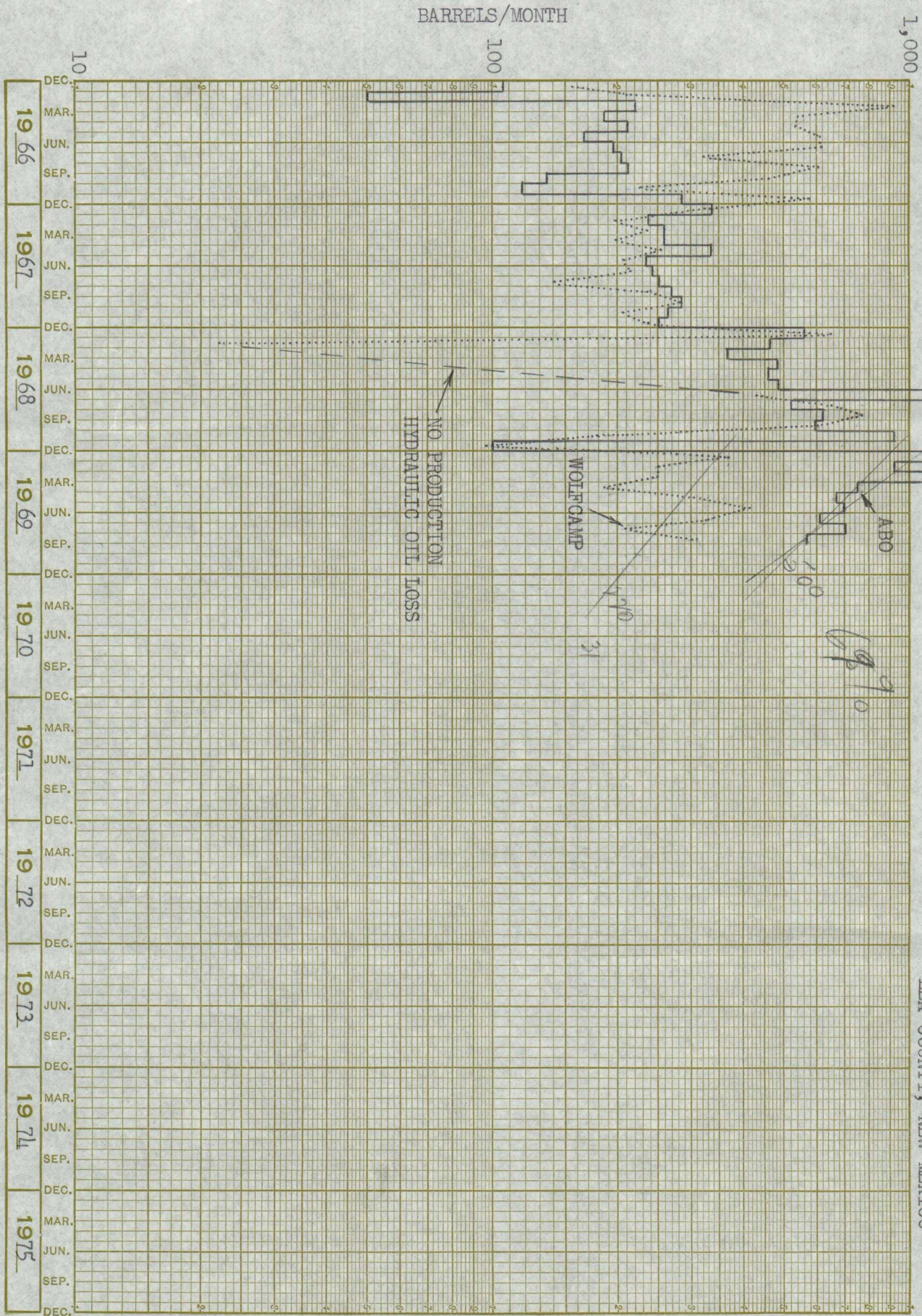
Net (Gain) (~~Loss~~) From Wellbore Commingling - \$/Day \$0.34  
based on current producing rates.

527

*168,00.  
167.66  
34*



TEXACO Inc.  
PERFORMANCE CURVE  
TEXACO-MOBIL STATE NO. 1  
VACUUM (NORTH ABO & WOLF CAMP) FIELD  
IEA COUNTY, NEW MEXICO





OFFSET OPERATORS

TEXACO Inc.

TEXACO-MOBIL STATE LEASE

Mobil Oil Company  
P.O. Box 633  
Midland, Texas 79701

Shell Oil Company  
P.O. Box 1509  
Midland, Texas 79701


NEW MEXICO OIL CONSERVATION COMMISSION  
GAS-OIL RATIO TESTS

C-116  
Revised 1-1-65

Operator <b>TEXACO Inc.</b>		Pool <b>Vacuum Abo, North</b>		County <b>Lee</b>	
Address <b>P.O. Box 728 - Hobbs, New Mexico 88240</b>				Type of Test - (X) <input checked="" type="checkbox"/> Scheduled <input type="checkbox"/>	
LEASE NAME <b>New Mexico 'N' State TEXACO-Mobil State</b>		WELL NO. <b>6</b>	LOCATION U S T R <b>L 30 17S 35E H 25 17S 34E</b>	DATE OF TEST <b>10-25-69 10-27-69</b>	STATUS <b>P -</b>
				CHOKE SIZE <b>-</b>	T.B.G. PRESS. <b>-</b>
				DAILY ALLOW-ABLE <b>5 83</b>	LENGTH OF TEST HOURS <b>24 24</b>
				PROD. DURING TEST WATER BBLs. GRAV. OIL BBLs.	GAS M.C.F. RATIO CU.FT./BBL.
				<b>0 37.9 4</b>	<b>TSTM 45.0 TSTM 1636</b>
NOTE: THESE ARE TESTS PRIOR TO DOWNHOLE COMINGLING.					

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.

  
(Signature)  
**Assistant District Superintendent**  
(Title)

10-30-69  
(Date)

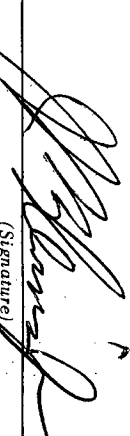
NEW MEXICO OIL CONSERVATION COMMISSION  
GAS-OIL RATIO TESTS

C-116  
Revised 1-1-65

Operator <b>TEXACO Inc.</b>		Pool <b>Vacuum Wolfcamp</b>		County <b>Lea</b>												
Address <b>P.O. Box 728 - Hobbs, New Mexico 88240</b>				Type of Test - (X) <input checked="" type="checkbox"/> TEST - (X)												
				Schedulad <input type="checkbox"/>												
				Completion <input type="checkbox"/>												
				Special <input checked="" type="checkbox"/>												
LEASE NAME	WELL NO.	LOCATION				DATE OF TEST	STATUS	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU.FT./BBL.	
		U	S	T	R							WATER BBLs.	GRAV. OIL BBLs.	GAS M.C.F.		
New Mexico 'N' State Texaco-Mobil State	6 1	L H	30 25	175 175	35E 34E	10-26-69 10-29-69	P P	- -	- -	45 43	24 24	2 0	37.4 39.6	33 17	59.8 TSTM	1812 TSTM
		NOTE: THESE ARE TESTS PRIOR TO WELBORE COMMINGLING.														

No well will be assigned an allowable greater than the amount of oil produced on the official test.  
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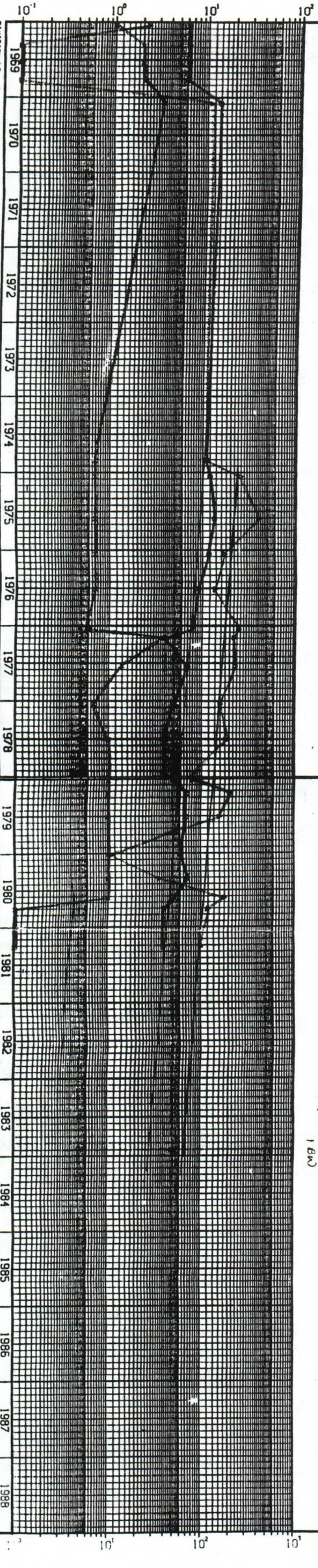


WELL TEST DATA 12-04-81

INPUT	INPUT
PS16	PS16
CIRCLE	CIRCLE
PS16	PS16
INPUT	INPUT



4 B0 X 100 mif  
1 B0



OPERATOR	DEPT	AREA	MOBES	DIVISION NO	4	HOUSTON	COMPLETION DATE	WRT	DRINKARD	STMT-RES	FIELD/POOL	30	3406	DRINKARD	FLC/L/U	390814	SOUTHLAND	ROYALTY	/V	WRT	WRT CODE/ROOM	600002
WELL TO LOC.	NO.	639																				
FLC/L/U	WRT	DRINKARD	STMT-RES	FIELD/POOL	30	3406	DRINKARD	FLC/L/U	390814	SOUTHLAND	ROYALTY	/V	WRT	WRT CODE/ROOM	600002							
FLC/L/U	WRT	DRINKARD	STMT-RES	FIELD/POOL	30	3406	DRINKARD	FLC/L/U	390814	SOUTHLAND	ROYALTY	/V	WRT	WRT CODE/ROOM	600002							
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FLC/L/U	WRT	DRINKARD	STMT-RES	FIELD/POOL	30	3406																



WELL TEST DATA 12-04-8

PMP, CSG, PRFS (P) OR

IFCP (C)

PER DAY

3  
3  
2  
3

019

vol. EFT.



DIVISION NO - 4 HOUSTON

OPERATOR - AMOCO PRODUCTION

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COMPLETION ZONE NAME - DRINKARD

SMITH AND  
PAGE (U) - 390814

.....

7 AC (1471) = 408 = 0348

COMPLETION DATE - 11-

10-100 - 16700000

[illegible]

STATE-REG FIELD/POOL - 30 340

MRE - HUIDELSON-HOBBS

...	...
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COMPLETION DATE - 11-0

JOB REQUEST - 001-01