

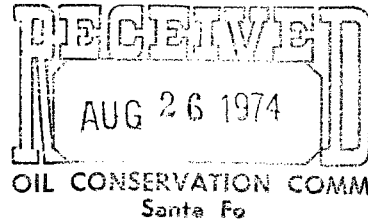


PETROLEUM PRODUCTS

DHC-149
Date 9/16/74

August 23, 1974

TEXACO INC.
DRAWER 728
HOBBS, NEW MEXICO 88240



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

RE: WELLBORE COMMINGLING
New Mexico "N" State Well No. 8
Vacuum (Abo North & Wolfcamp) Pools
Lea County, New Mexico

ATTENTION: MR. A. L. PORTER, JR.

Gentlemen:

TEXACO INC. requests administrative approval to commingle in the wellbore oil production from the Vacuum (Abo North & Wolfcamp) Pools in Well No. 8 on the New Mexico "N" State Lease located in Section 30, Township 17 South, Range 35 East, Lea County, New Mexico.

The subject well is presently pumping oil from the Vacuum (Abo North) zone. The Vacuum (Wolfcamp & Glorieta) zones are shut-in. Upon approval of this application the Glorieta zone will be isolated with a cast iron bridge plug set at 6200' and a retrievable bridge plug set at 6000'. The Abo and Wolfcamp zones will be communicated by perforations at 8988'. Production from the Abo and Wolfcamp will be obtained by installing artificial lift equipment in the Wolfcamp casing. Both zones will be classified as oil zones. The fluids from these two reservoirs are known to be compatible. Ownership of the minerals in both zones is common, and the value of the commingled fluids is not less than the total value of the fluids if they were marketed separately. Secondary operations will not be jeopardized by approval of this application.

A data sheet is attached listing all required data for the Abo North and Wolfcamp zones. Also attached are production decline curves, diagrammatic sketches of the wellbore showing the present completion and proposed completion and a well test as submitted on Form C-116.

The USGS and all offset operators are being notified by copy of this application.

Yours very truly,

J. V. Gannon
J. V. Gannon
District Superintendent

JBS:ls
MAS, JR.
NMOCC - Hobbs USGS - Hobbs
OFFSET OPERATORS

*Triple copy
MC-1564*

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. 8

Location: Unit D; 550 Feet from the North Line and
500 Feet from West Line of Section 30;
Township 17 South, Range 35 East; Lea County.

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>Shut-In</u>
BHP	<u>700 (Est.)</u>	<u>800 (Est.)</u>
Type Crude	<u>Sweet</u>	<u>Sweet</u>
Gravity	<u>38.2</u>	<u>38.2</u>
GOR Limit	<u>2,000</u>	<u>2,000</u>
Completion Interval	<u>8494'-8549'</u>	<u>9515'-10,097'</u>
Current Test Date	<u>7-25-74</u>	<u>--</u>
Oil	<u>12</u>	<u>-- 10 sat</u>
Water	<u>3</u>	<u>--</u>
GOR	<u>1018</u>	<u>--</u>
Selling Price of Crude-\$/BBL.	<u>5.27</u>	<u>5.27</u>
Daily Income - \$/Day	<u>63.24</u>	<u>--</u>

COMMINGLED DATA:

Gravity of Commingled Crude 38.2
Selling Price of Commingled Crude - \$/BBL. 5.27
Daily Income - \$/Day 115.94

Net (Gain) ~~(Loss)~~ From Wellbore Commingling - \$/Day 52.70 (Production Increase of
based on current producing rates. 10 BOPD)

**NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS**

C-116
Revised 1-1-65

Operator		Pool		County		Lea								
TEXACO INC.		See Below												
Address		P. O. Box 728 - Hobbs, New Mexico 88240		TYPE OF TEST - (X)		Completion <input type="checkbox"/> Special <input checked="" type="checkbox"/>								
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	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		OIL BBLs.
New Mexico "N" State	8	D	30	17-S	35-E									
<u>Vacuum Abo North</u>						7-25-74	P	20	24	3	38.2	12	12.2	1018
<u>Vacuum Wolfcamp</u>						Shut-In								

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

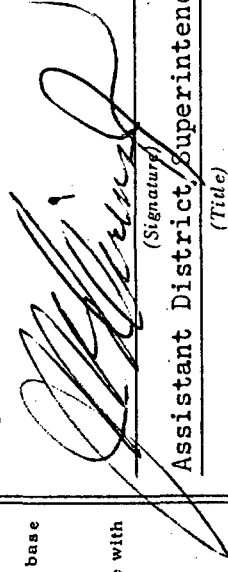
During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized 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)

August 5, 1974

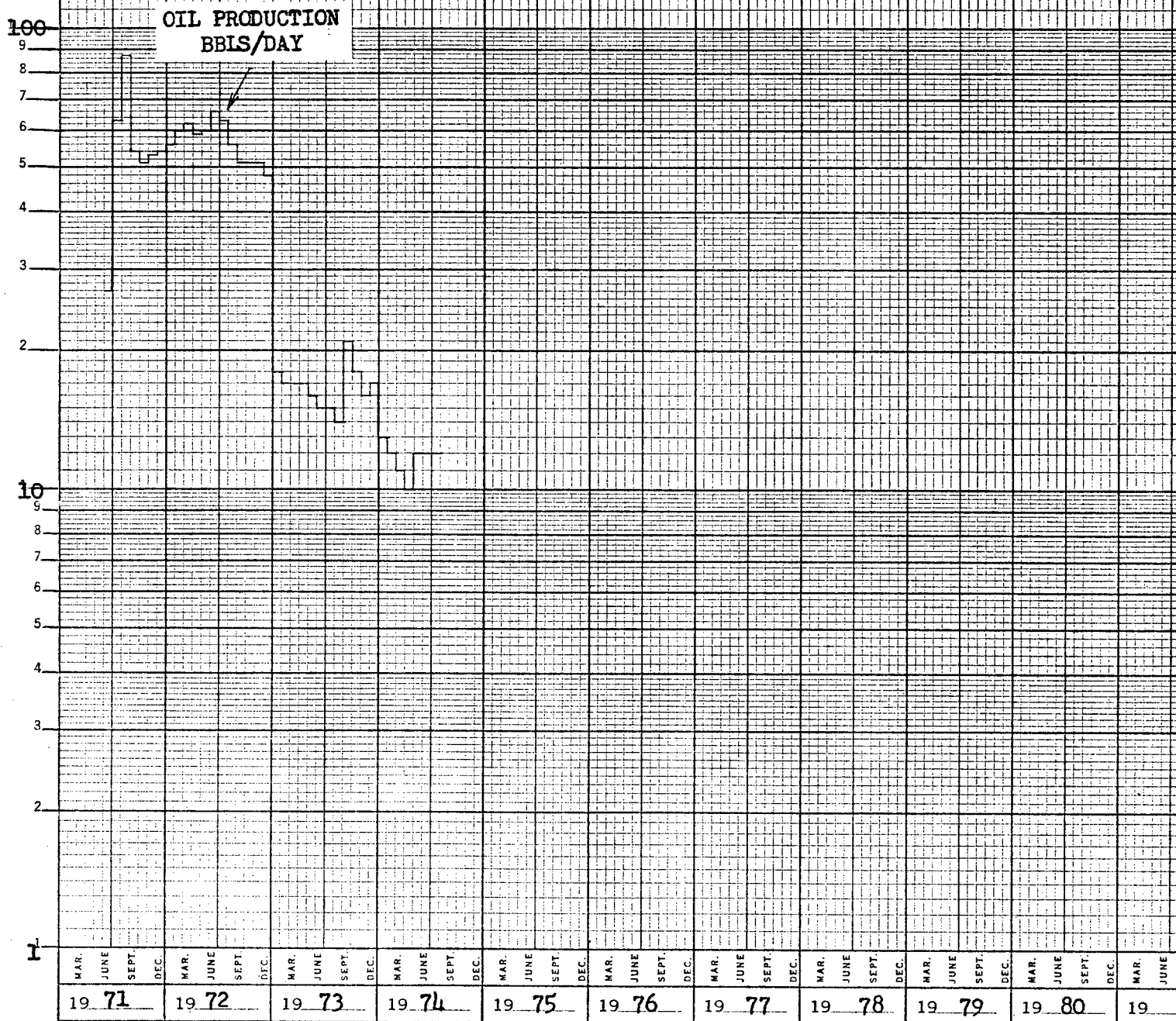
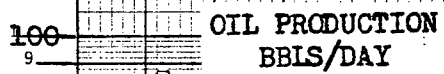
(Date)

TEXACO INC.
MIDLAND DIVISION

Performance Curve

NEW MEXICO "N" STATE NO. 8
VACUUM (ABO NORTH) POOL
LEA COUNTY, NEW MEXICO

DRAWN BY: JBS **DATE:** 8-21-74

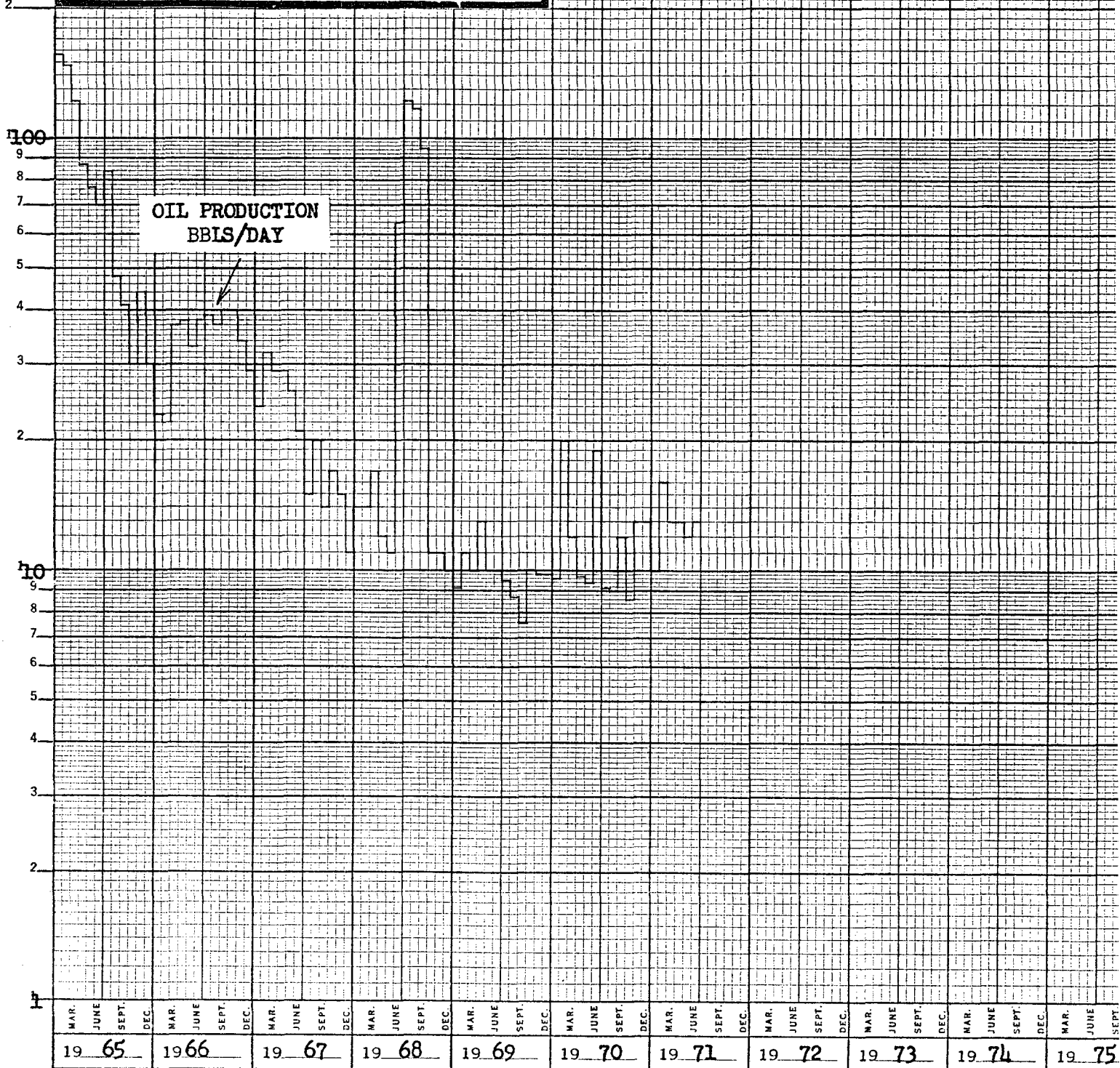


TEXACO INC. MIDLAND DIVISION

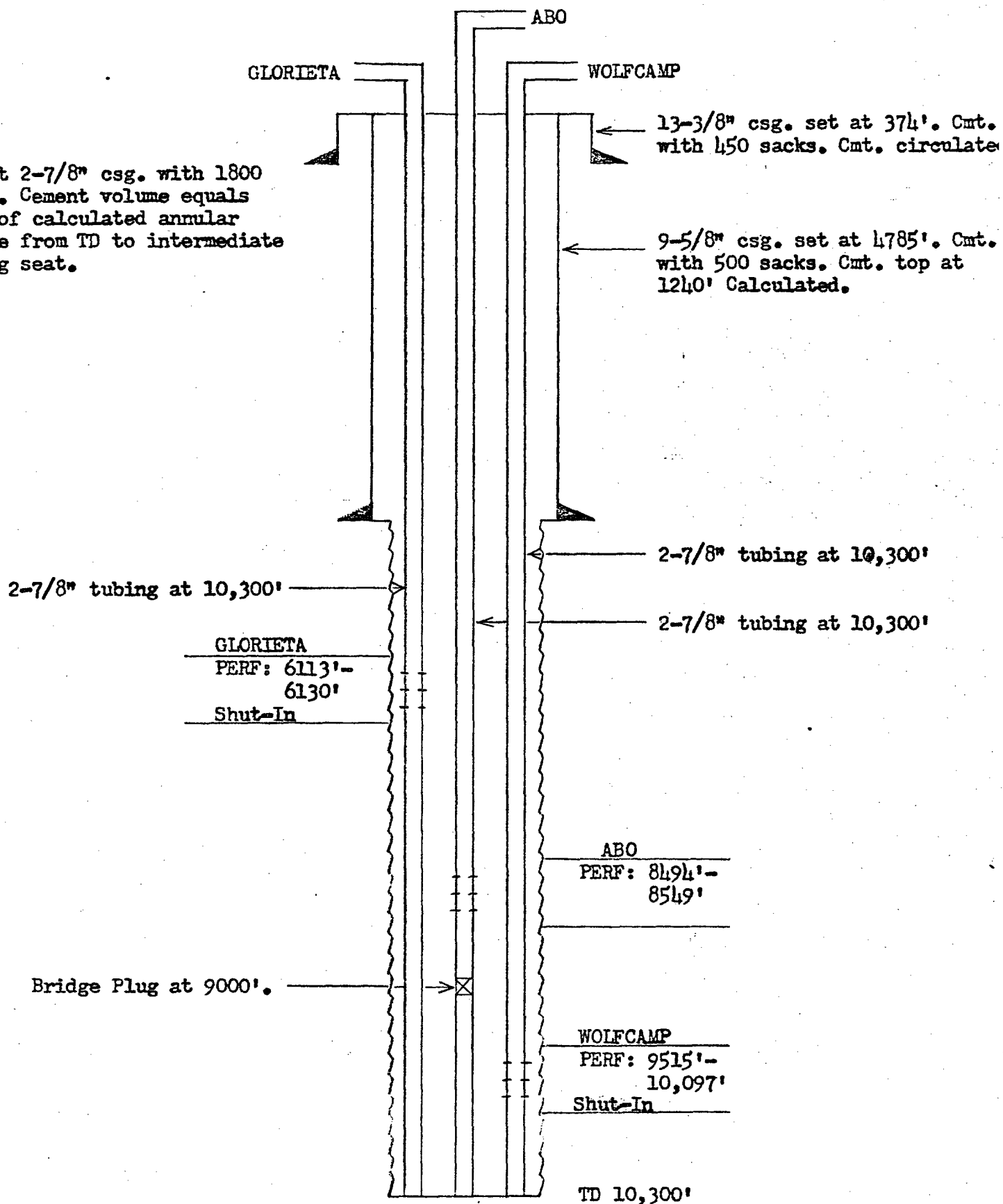
Performance Curve

NEW MEXICO "N" STATE NO. 8
VACUUM (WOLFCAMP) POOL
LEA COUNTY, NEW MEXICO

DRAWN BY: JBS DATE: 8-21-74



Cement 2-7/8" csg. with 1800 sacks. Cement volume equals 242% of calculated annular volume from TD to intermediate casing seat.

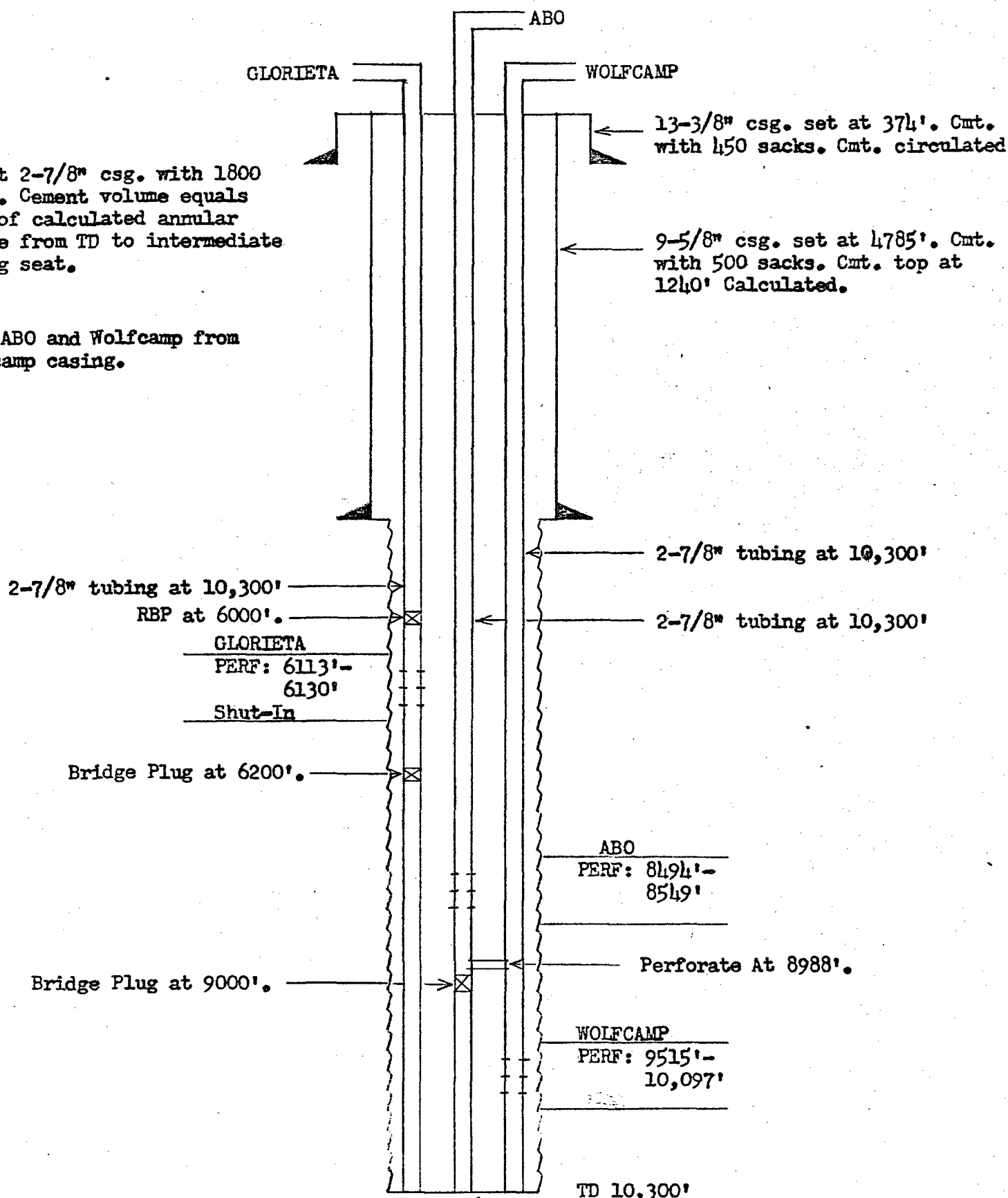


Present Completion
TEXACO INC.

NEW MEXICO "N" STATE NO. 8
VACUUM (ABO NORTH, WOLFCAMP AND GLORIETA) POOLS
LEA COUNTY, NEW MEXICO

Cement 2-7/8" csg. with 1800 sacks. Cement volume equals 242% of calculated annular volume from TD to intermediate casing seat.

Pump ABO and Wolfcamp from Wolfcamp casing.



Proposed Completion
TEXACO INC.

NEW MEXICO "N" STATE NO. 8

VACUUM (ABO NORTH, WOLFCAMP AND GLORIETA) POOLS
LEA COUNTY, NEW MEXICO

OFFSET OPERATORS

Exxon
P. O. Box 1600
Midland, Texas 79701

Atlantic Richfield Company
P. O. Box 634
Midland, Texas 79701

Marathon Oil Company
P. O. Box 2409
Hobbs, New Mexico 88240

Skelly Oil Company
P. O. Box 1351
Midland, Texas 79701

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

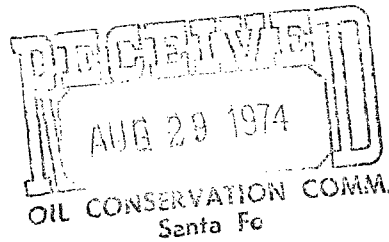
Getty Oil Company
P. O. Box 547
Hobbs, New Mexico 88240

OIL CONSERVATION COMMISSION
Hobbs DISTRICT

OIL CONSERVATION COMMISSION
BOX 2088
SANTA FE, NEW MEXICO

DATE August 26, 1974

RE: Proposed MC _____
Proposed DHC X _____
Proposed NSL _____
Proposed SWD _____
Proposed WFX _____
Proposed PMX _____



Gentlemen:

I have examined the application dated _____
for the Texaco Inc. New Mexico N State #8-D 30-17-35
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

O.K.---J.D.R.

Yours very truly,