



PETROLEUM PRODUCTS

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  
District Superintendent

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

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>--</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)



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2

# TEXACO INC. MIDLAND DIVISION

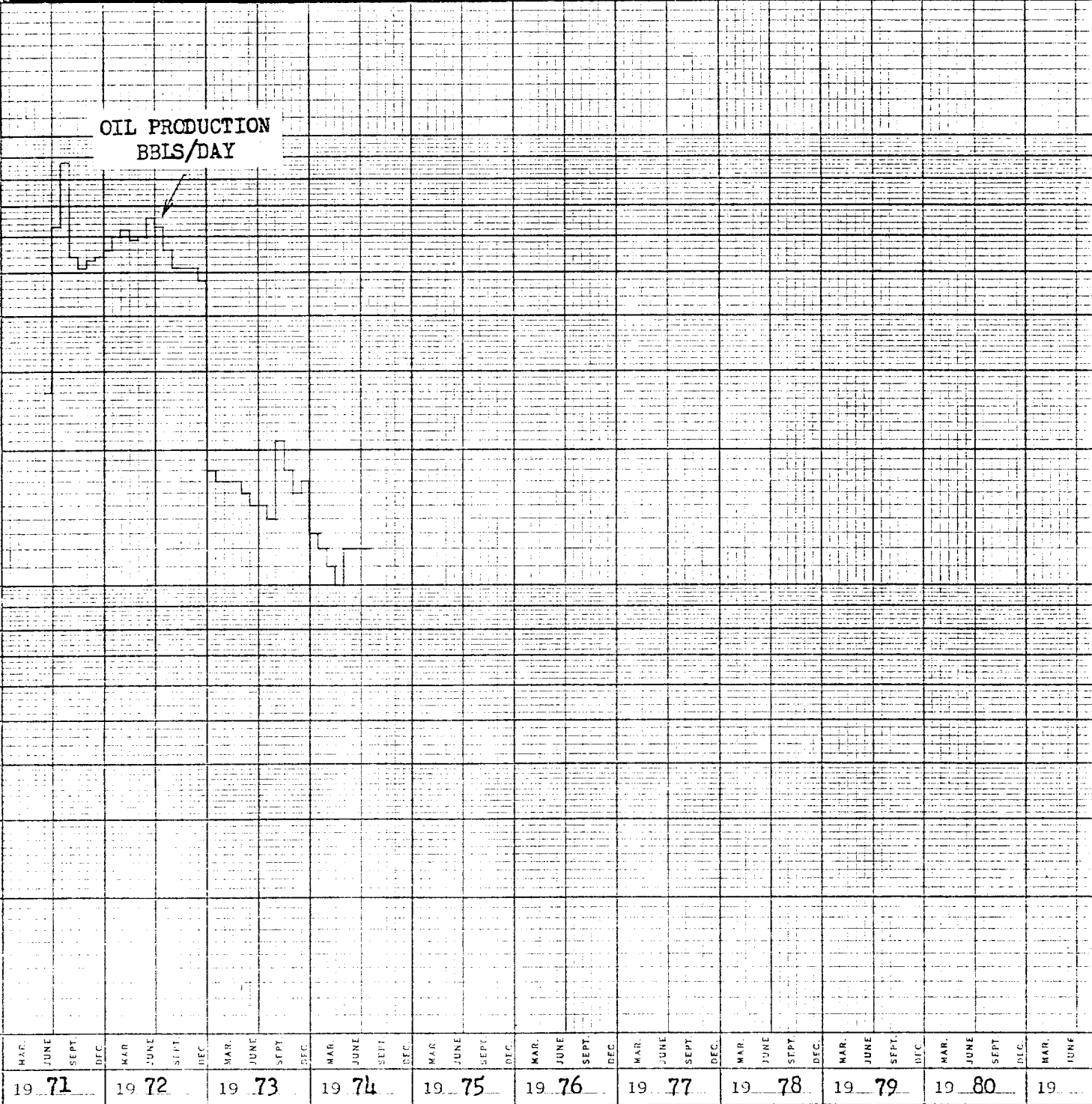
Performance Curve

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

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

OIL PRODUCTION  
BBL/DAY

100  
9  
8  
7  
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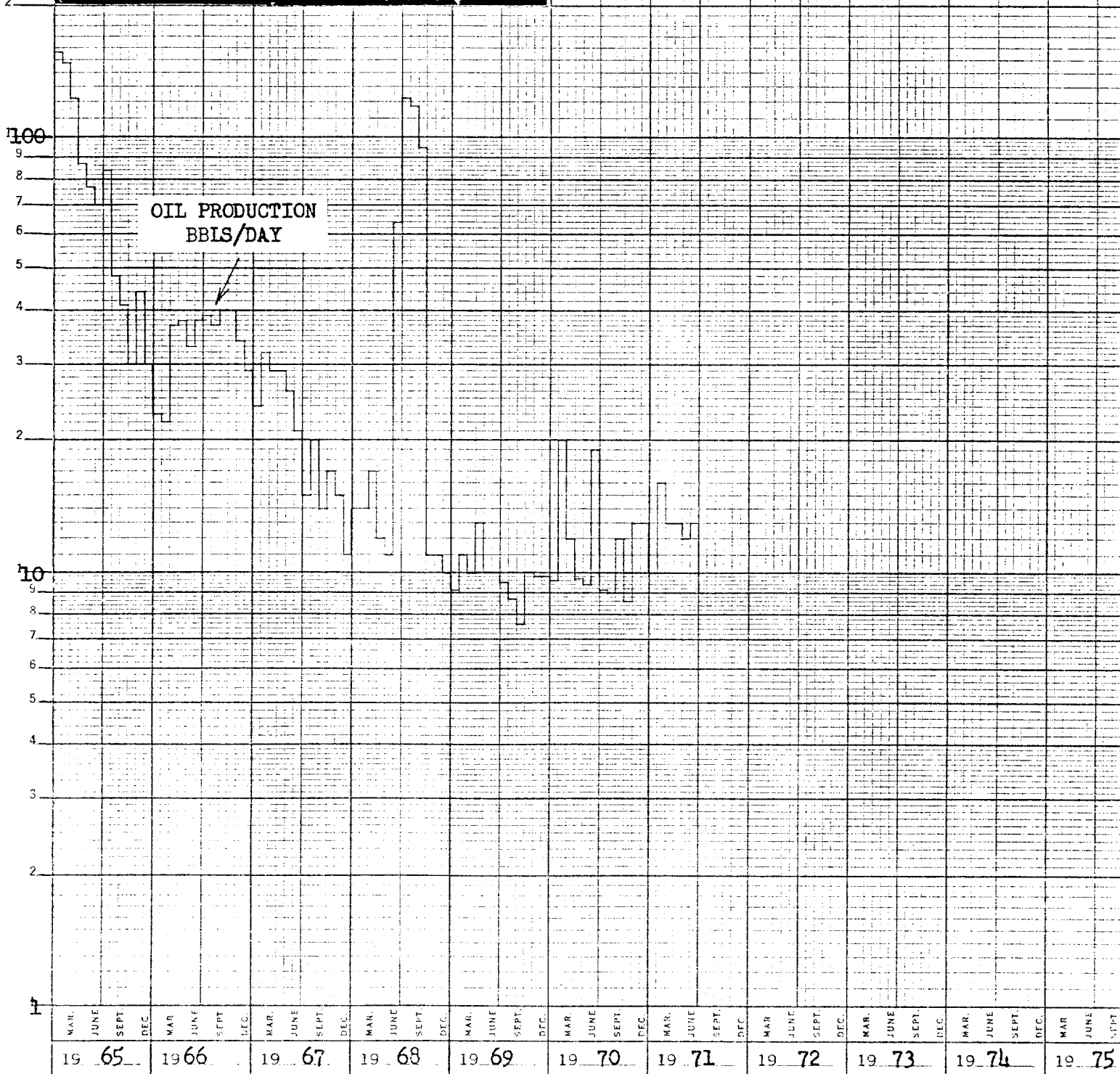


# TEXACO INC. MIDLAND DIVISION

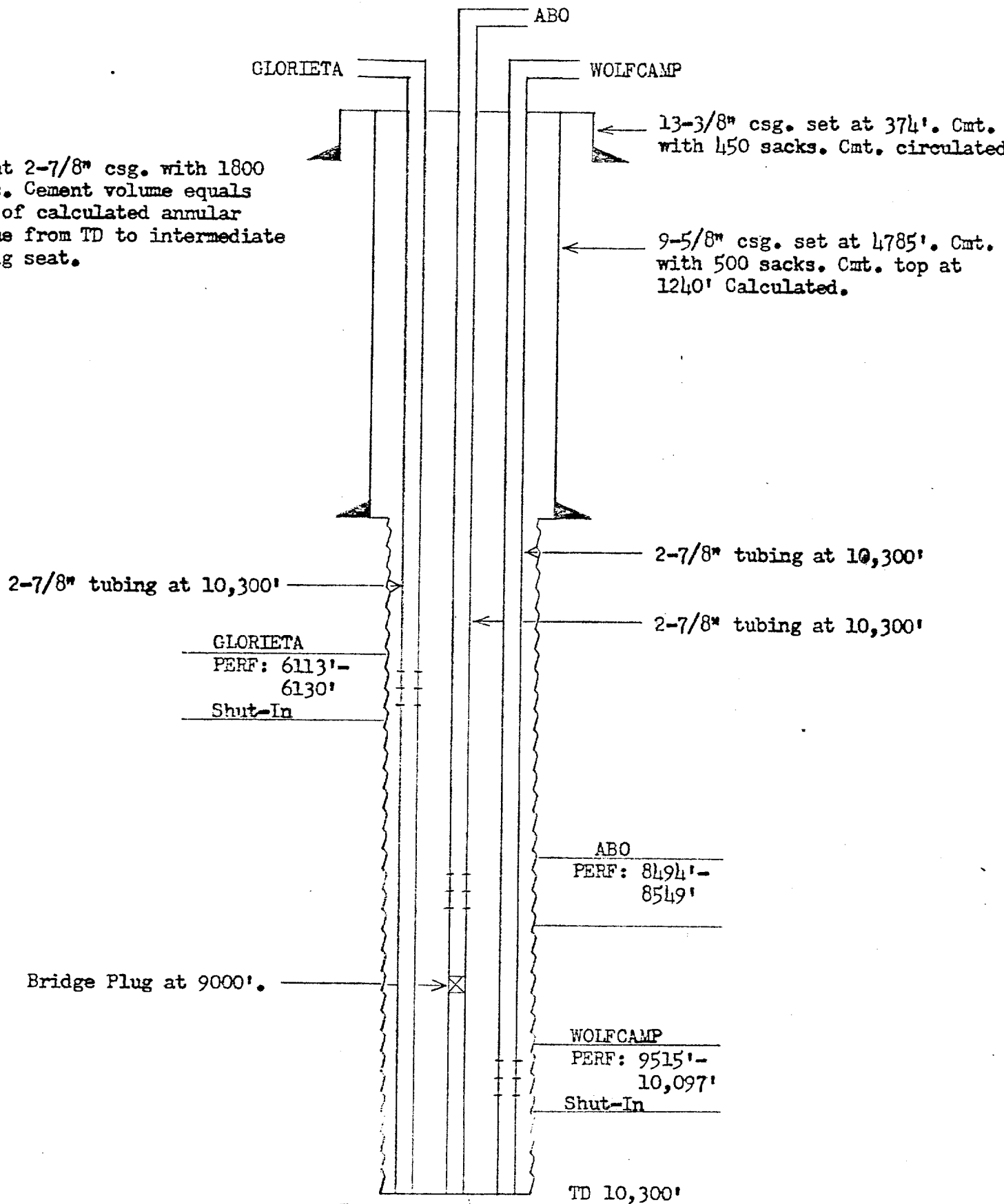
Performance Curve

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.

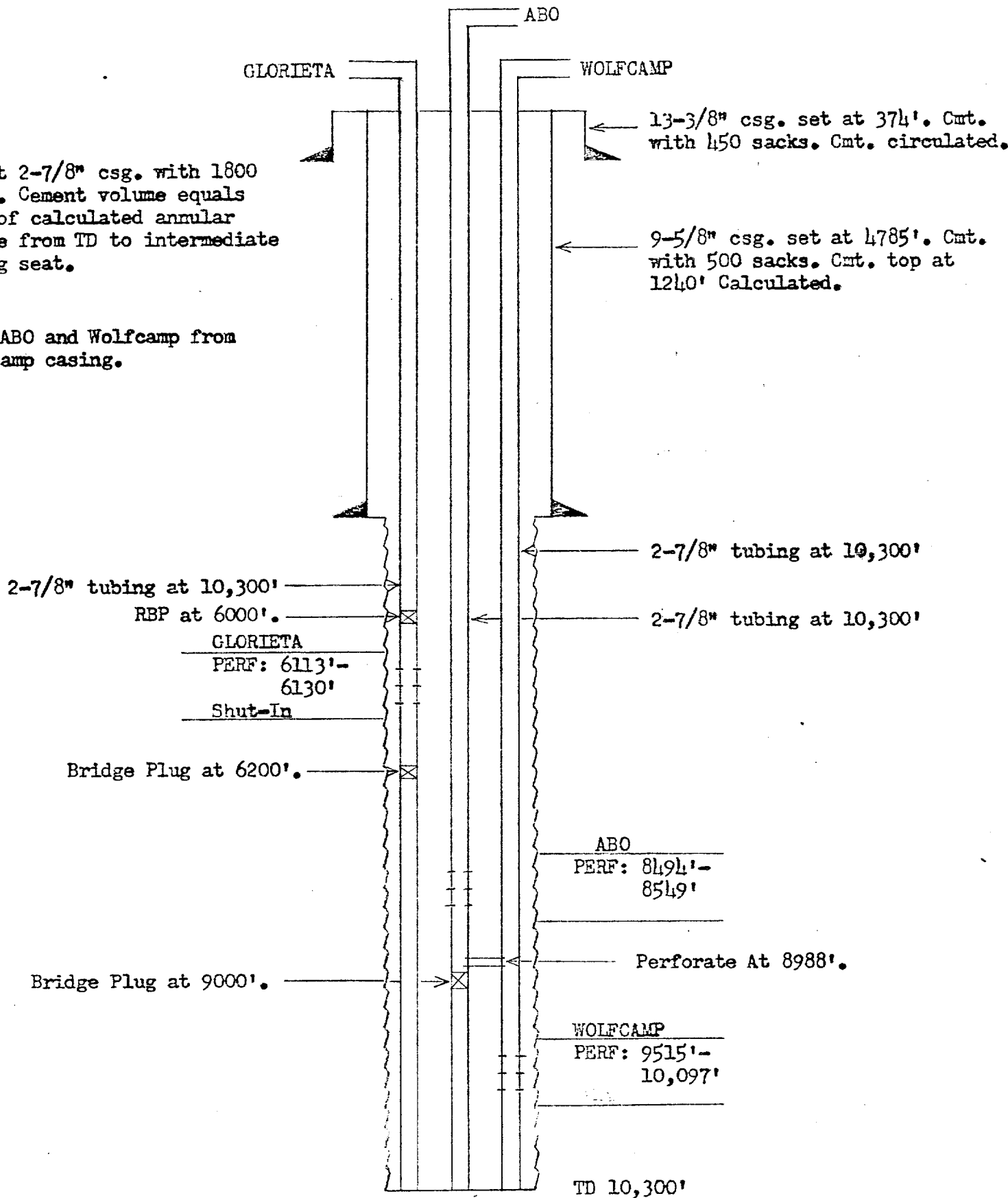


Present Completion  
TEXACO INC.

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