

PETROLEUM PRODUCTS

March 24, 1977

TEXACO INC.
DRAWER 728
HOBBS, NEW MEXICO 88240

DHC - 216

Due - 4/14/77

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

RE: WELLBORE COMMINGLING
New Mexico "O" State (NCT-1) No. 14
Vacuum (Abo North & Wolfcamp)
Lea County, New Mexico

ATTENTION: MR. JOE D. RAMEY

*north Vacuum - Abo
Vacuum - Wolfcamp*

Gentlemen:

TEXACO INC. requests administrative approval to commingle in the wellbore oil production from the Vacuum (Abo North) and Vacuum (Wolfcamp) pools in Well No. 14 on the New Mexico "O" State (NCT-1) lease, located in Section 36, Township 17 South, Range 34 East, Lea County, New Mexico.

The subject well is a triple tubingless completion in the Vacuum (Blinebry, Abo North and Wolfcamp) Pools. The Vacuum (Blinebry) Pool is shut in and has not produced since October, 1970. The Abo North Pool is classified as pumping and the Wolfcamp Pool is classified as flowing. Frequent swabbing of the Wolfcamp zone is required to maintain production. Upon approval of this request the Blinebry zone will be squeezed with cement, the Abo and Wolfcamp will be communicated from perforations at 9254'-9256'. The Abo and Wolfcamp will then be communicated with the abandoned Blinebry string from perforations at 10,348'-10,352' and production will be by artificial lift from the Blinebry casing string. The North Abo and Wolfcamp zones are classified as oil zones and produce water below the specified limits. The fluids from these two reservoirs are commingled on surface and 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 two reservoirs that are productive in the well. Also attached is a production decline curve for each zone, a sketch of the present and proposed completion, a bottom hole pressure survey, location plat, C-116 and a list of offset operators.

MARCH 24, 1977

A copy of this application is being mailed to each of the offset operators shown on the attached list.

Yours very truly,



J. V. Gannon
District Superintendent

JBS:las

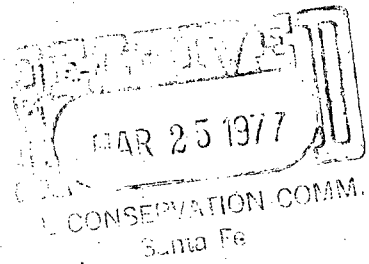
Attachments

NMOCC - Hobbs, N.M.
Offset Operators

Also:	34 BO 64%	61.2 mcf 43%
Wolf:	19 BO 36%	79.8 mcf 57%
	<u>53 BO PD</u>	<u>141.0</u>

Bottom pf: 10,036' max prod = 80 BOPD

DATA SHEET FOR WELLBORE COMMINGLING



Operator: TEXACO INC.

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

Lease and Well No: New Mexico "O" State (NCT-1) Well No. 14

Location: Unit J; 1874 Feet from the South Line and
2086 Feet from East Line of Section 36;
Township 17-S, Range 34-E; 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>Flow</u>
BHP	<u>600 Est.</u>	<u>672</u>
Type Crude	<u>Sweet</u>	<u>Sweet</u>
Gravity	<u>38.2</u>	<u>38.2</u>
GOR Limit	<u>2000</u>	<u>2000</u>
Completion Interval	<u>9170'-9255'</u>	<u>9954'-10,036'</u>
Current Test Date	<u>2-22-77</u>	<u>2-24-77</u>
Oil	<u>34</u>	<u>19</u>
Water	<u>5</u>	<u>2</u>
GOR	<u>1800</u>	<u>4200</u>
Selling Price of Crude-\$/BBL.	<u>5.72</u>	<u>5.72</u>
Daily Income - \$/Day	<u>194.48</u>	<u>108.68</u>

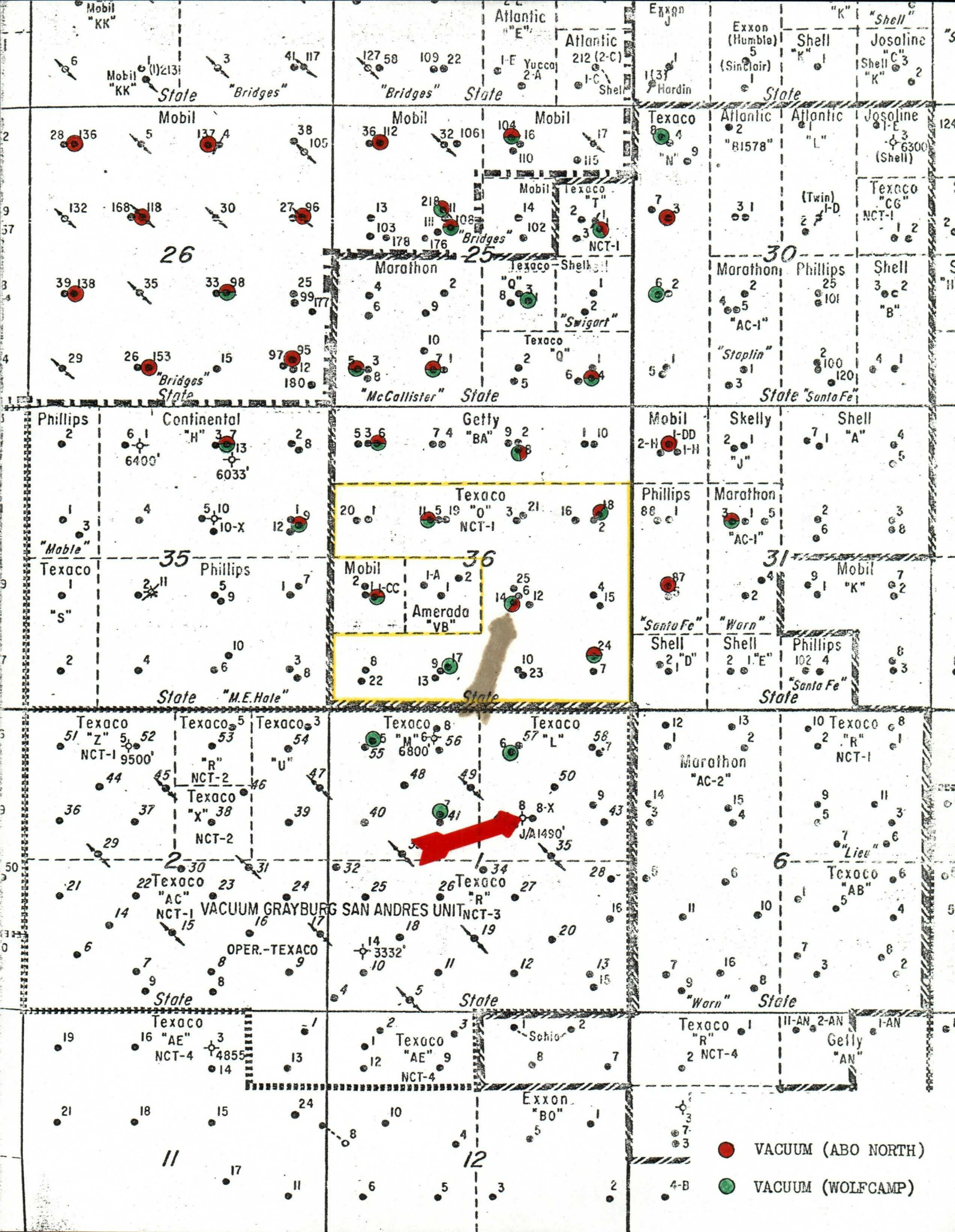
COMMINGLED DATA:

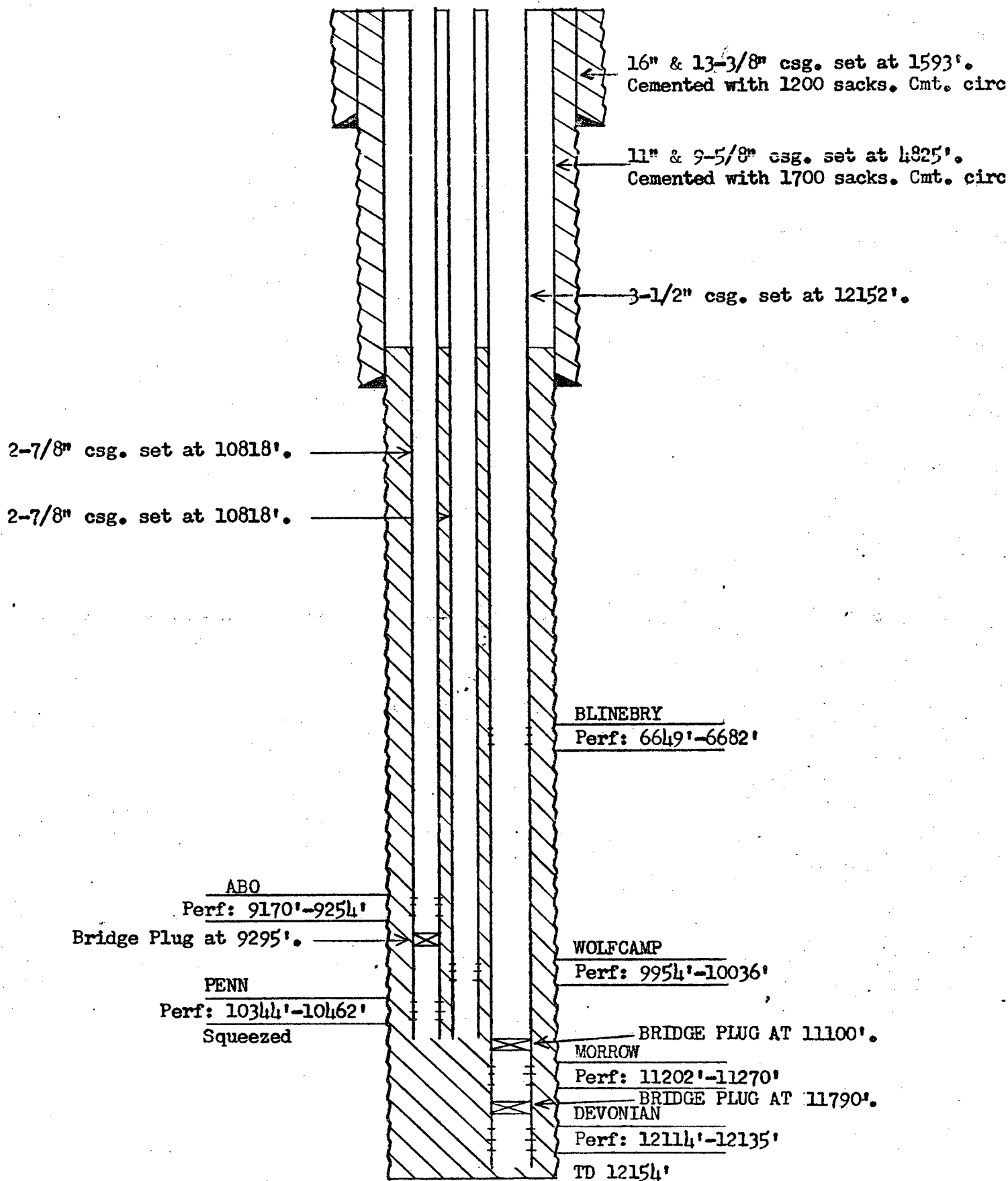
Gravity of Commingled Crude 38.2

Selling Price of Commingled Crude - \$/BBL. 5.72

Daily Income - \$/Day 531.96

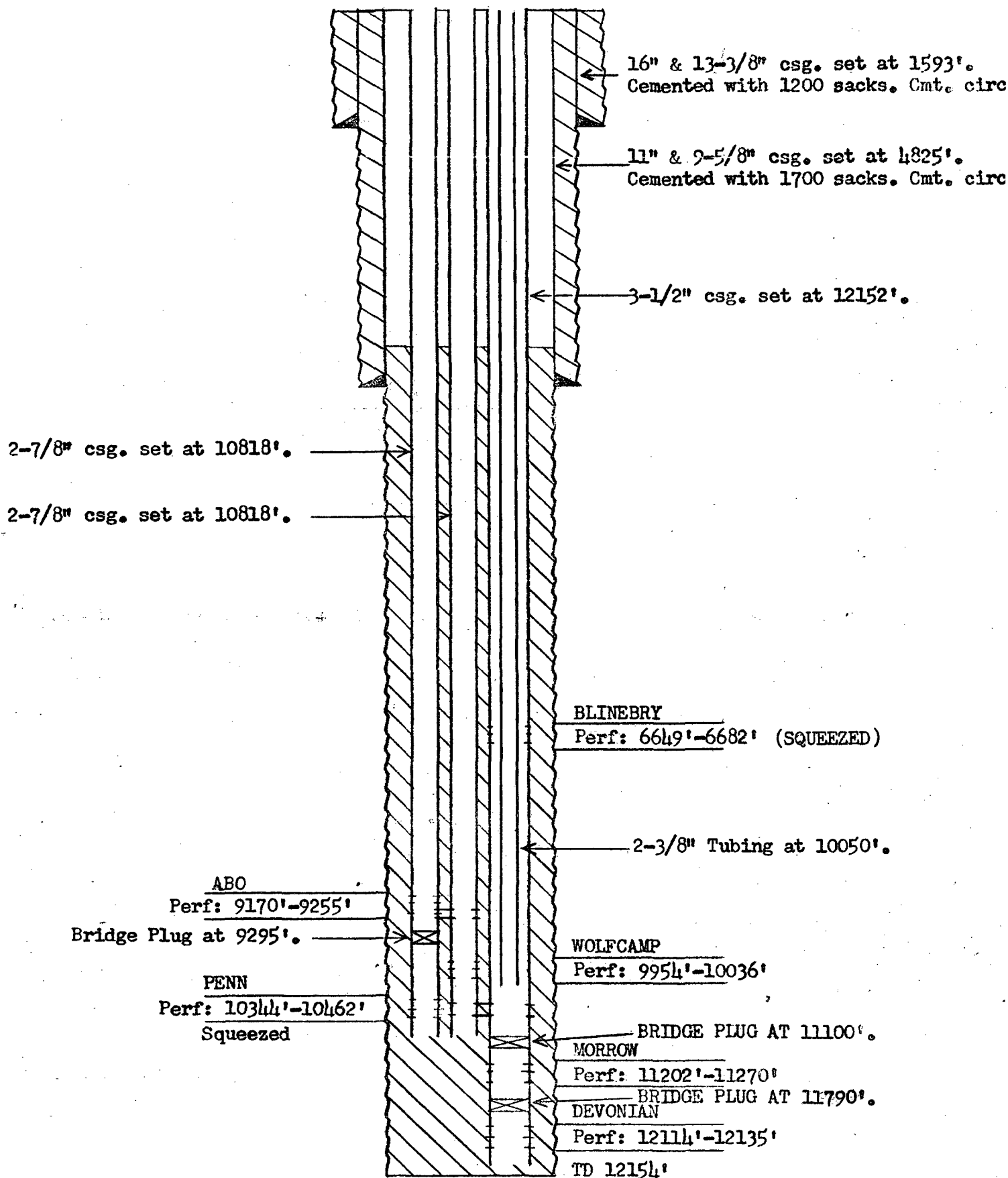
Net (Gain) (~~Loss~~) From Wellbore Commingling - \$/Day 228.80 (Production increase
based on current producing rates. of 40 BOPD).





Present Completion
TEXACO INC.

N.M. "O" STATE (NCT-1) NO. 14
VACUUM (BLINEBRY, ABO NORTH & WOLFCAMP) POOLS
LEA COUNTY, NEW MEXICO



Proposed Completion
 TEXACO INC.
 N.M. "O" STATE (NCT-1) NO. 14
 VACUUM (ABO NORTH & WOLFCAMP) POOLS
 LEA COUNTY, NEW MEXICO

The Jarrel Company

POST OFFICE BOX 1654 PHONES 505 393-3813 393-5396
HOBBS, NEW MEXICO 88240

Well Testing Division

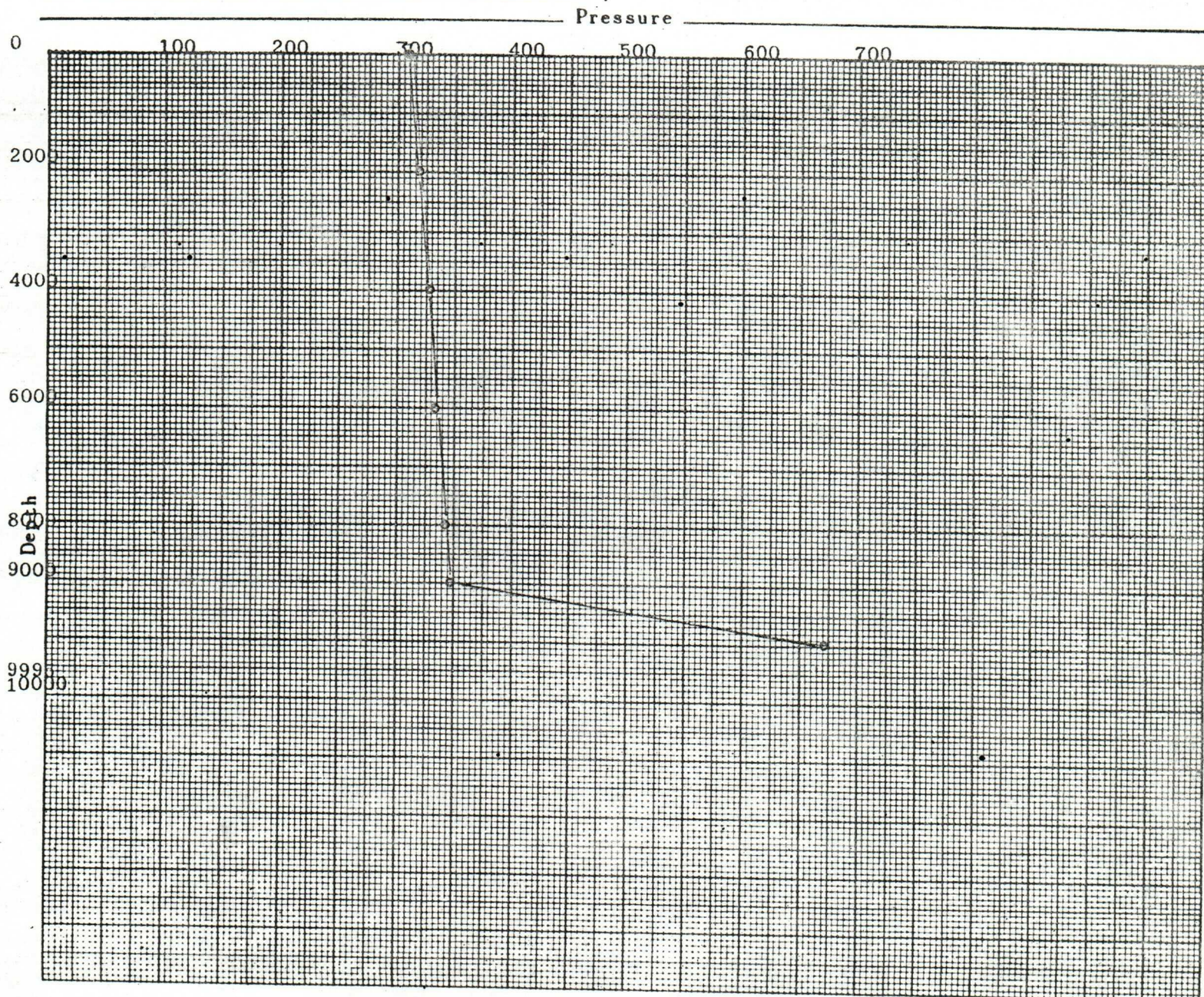
Instrument Service

BOTTOM HOLE PRESSURE RECORD

OPERATOR Texaco Incorporated
FIELD Vacuum FORMATION WELLCAMP
LEASE New Mexico O State NCT-WELL 14
COUNTY Lea STATE New Mexico
DATE 3-19-77 TIME 2:00PM
Status Shut in Test depth 9995'
Time S. 124.0 hours Last test date -
Tub Pres. 310 BHP last test -
Cas. Pres. Triple BHP change -
Elev. 4008'DF-17 Fluid top 9000'
Datum (-5987) ** Water top -
Temp. @ - Run by Weaver
Cal. No. A2410N Chart No. 2

Depth	Pressure	Gradient
0	310	-
2000	318	.004
4000	326	.004
6000	334	.004
8000	342	.004
9000	347	.005
9995(-5987)	672	.327

** Midpoint of Casing Perforations



OFFSET OPERATORS

Continental Oil Co.
P. O. Box 460
Hobbs, New Mexico 88240

Phillips Petroleum Co.
P. O. Box 2130
Hobbs, New Mexico 88240

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

Amerada Hess Corp.
P. O. Box 2040
Tulsa, Oklahoma 74102

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

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

Getty Oil Co.
P. O. Box 249
Hobbs, New Mexico 88240

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 ☐ Special ☒								
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKES 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.
<u>Vacuum Abo North</u>														
N. M. "O" State (NCT-1)	14	J	36	17-S	34-E	2-22-77	P	38	24	5	38.2	34	61.2	1800
<u>Vacuum Wolfcamp</u>														
N. M. "O" State (NCT-1)	14	J	36	17-S	34-E	2-24-77	F	26	24	2	38.2	19	79.8	4200

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.



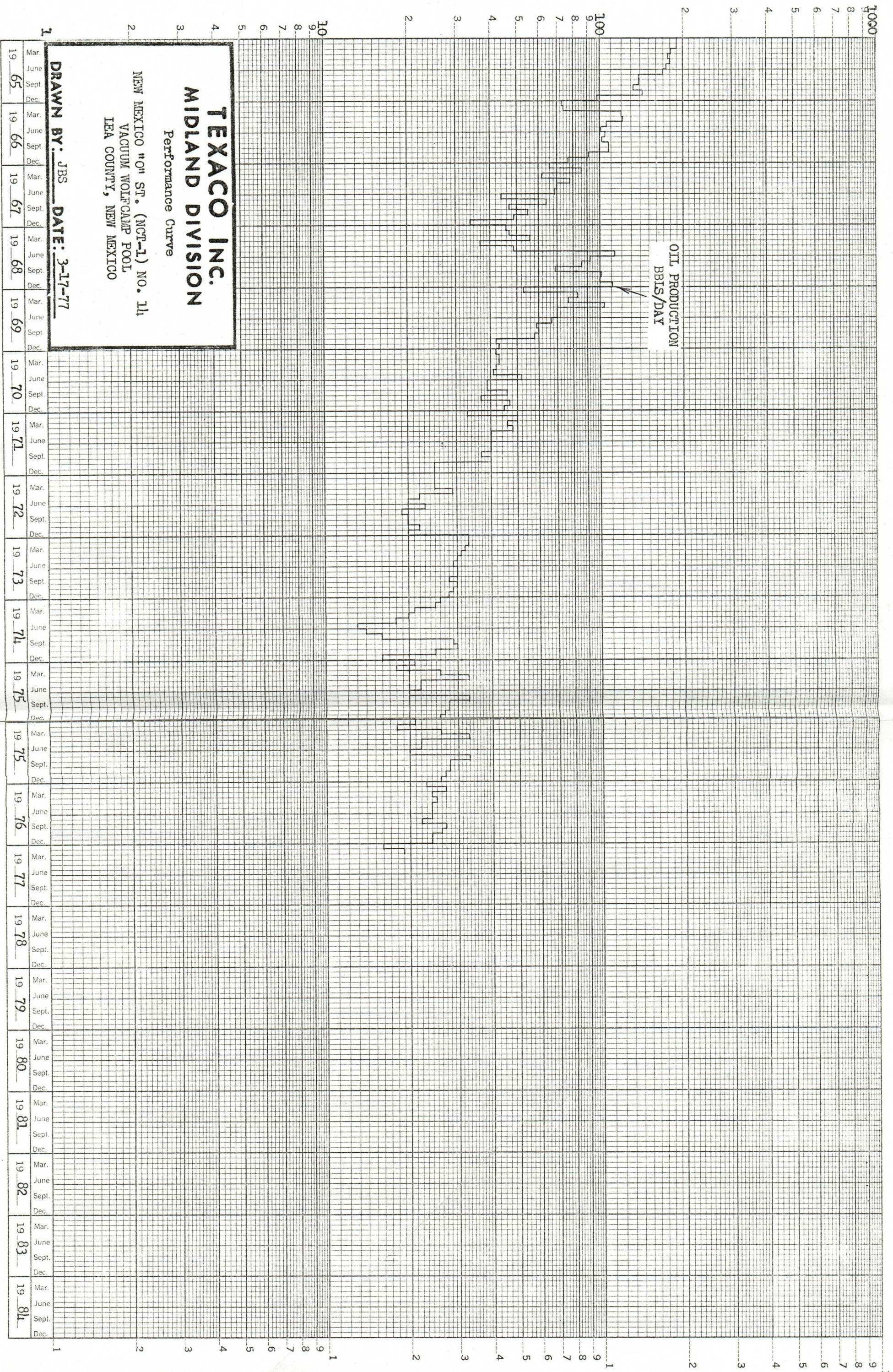
(Signature)

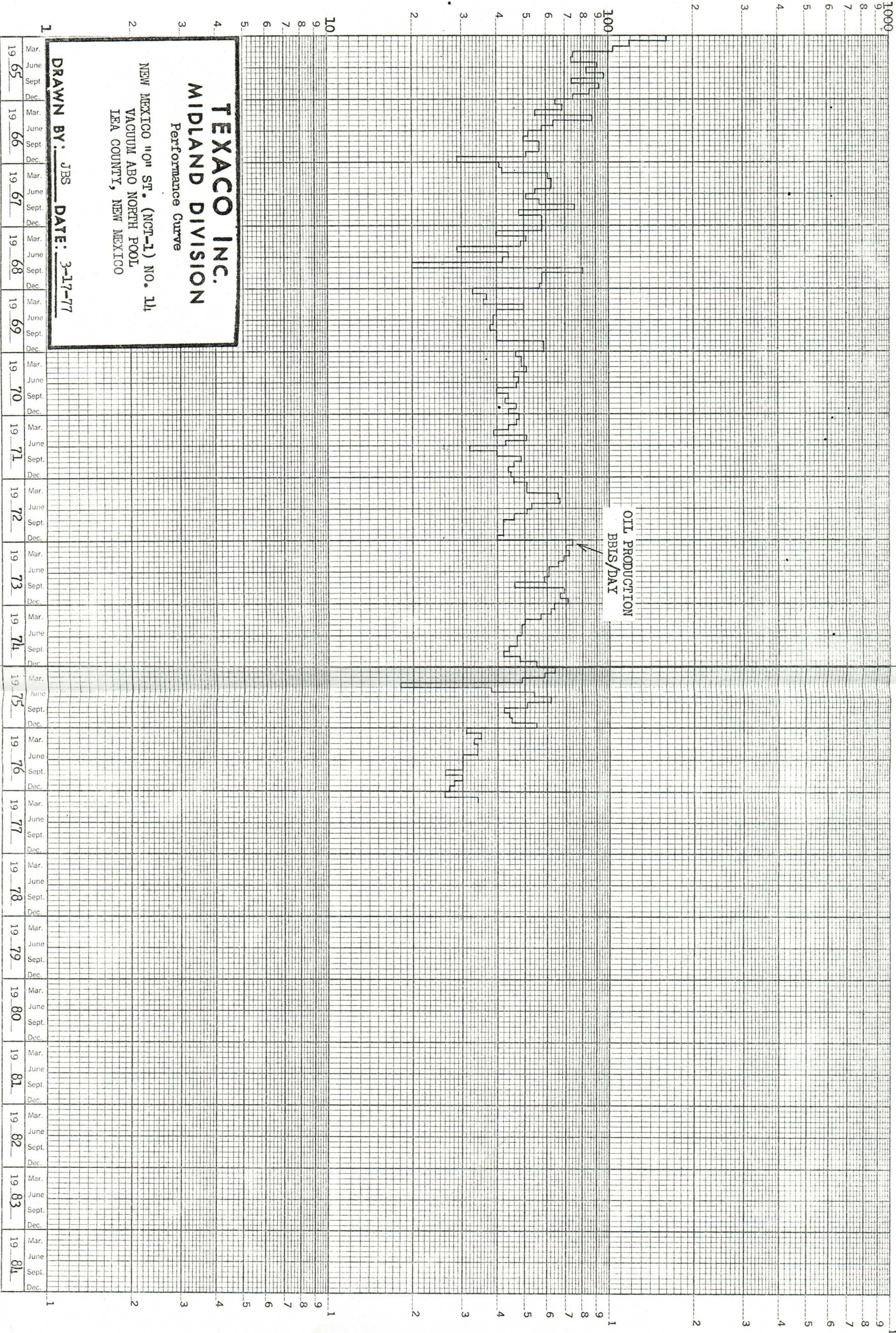
Assistant District Superintendent

(Title)

February 28, 1977

(Date)





OIL CONSERVATION COMMISSION
Hobbs DISTRICT

OIL CONSERVATION COMMISSION
BOX 2088
SANTA FE, NEW MEXICO

DATE March 28, 1977

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 "O" State (NCT-1) #14-J 36-17-34
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

O.K.---J.S.

Yours very truly,

