



PETROLEUM PRODUCTS

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OIL CONSERVATION COMM.
SANTA FE

TEXACO INC.
DRAWER 728

HOBBS, NEW MEXICO 88240

January 10, 1972

WELLBORE COMMINGLING

MITTIE WEATHERLY WELL NO. 2
BLINEBRY (OIL) AND TUBB (OIL) POOLS
LEA COUNTY, NEW MEXICO

DHC-107

Due Feb 3

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

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

Gentlemen:

TEXACO Inc. requests administrative approval under the provisions of Order No. R-3845 to commingle in the wellbore oil production from the Blinebry (Oil) Pool and the Tubb (Oil) Pool which are dually completed as permitted by Administrative Order No. DC-862 dated October 5, 1959 in Well No. 2 on the Mittie Weatherly Lease, located in Section 17, Township 21 South, Range 37 East, Lea County, New Mexico.

The subject well for which wellbore commingling approval is requested qualifies under the provisions of Statewide Rule 303C, which provides for administrative application and approval of wellbore commingling. Both zones are classified as oil zones and produce oil and gas at rates below the limits specified in the subject order. Both the Blinebry and the Tubb zones are flowing; therefore, production after commingling will be by natural flow. The Blinebry zone does not produce water, and the Tubb zone produces water below the limits specified. The fluids from these two reservoirs have been commingled on the surface in common storage for several years and are known to be compatible. There has been no evidence of undesirable scale or precipitates. 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 the total value of the fluids if they were marketed separately. Secondary recovery operations will not be jeopardized by approval of the application.

January 10, 1972

In further compliance with the above mentioned order, 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 in the well which may be used for allocating production. Well tests are included as submitted on Form C-116.

Copies of this application are being mailed to each of the offset operators shown on the attached list.

Yours very truly,


J. V. Gannon
District Superintendent

CPC-dh

MASJr.

Attachment

DATA SHEET FOR WELLBORE COMMINGLING

Operator: TEXACO Inc.

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

Lease and Well No.: Mittie Weatherly Well No. 2

Location: Unit E; 1980 Feet from the North Line and
990 feet from West Line of Section 17;
Township 21-S, Range 37-E, Lea County.

Well Data

	<u>Upper Pool</u>	<u>Lower Pool</u>
Name of Pool	<u>Blinebry (Oil)</u>	<u>Tubb (Oil)</u>
Producing Method	<u>Flowing</u>	<u>Flowing</u>
BHP	<u>1065</u>	<u>1116</u>
Type Crude	<u>Sweet</u>	<u>Sweet</u>
Gravity	<u>37.6°</u>	<u>38.0°</u>
GOR Limit	<u>6000</u>	<u>2000</u>
Completion Interval	<u>5668-5856</u>	<u>6212-6302</u>
Current Test Date	<u>12-27-71</u>	<u>12-29-71</u>
Oil	<u>1</u>	<u>3</u>
Water	<u>0</u>	<u>1</u>
GOR	<u>TSTM</u>	<u>7800</u>
Selling Price of Crude-\$/Bbl.	<u>3.50*</u>	<u>3.50*</u>
Daily Income - \$/Day	<u>3.50</u>	<u>6.57 (including gas)</u>

*Crude is presently commingled in the battery.

COMMINGLED DATA

Gravity of Commingled Crude 37.9

Selling Price of Commingled Crude - \$/Bbl. \$3.50

Daily Income - \$/Day 10.07

Net (Gain) (Loss) from Wellbore Commingling - \$/Day 10.07
based on current producing rates.

OFFSET OPERATORS

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

Gulf Oil Company - US
P.O. Box 670
Hobbs, New Mexico 88240.

Sohio Petroleum Company
P.O. Box 3167
Midland, Texas 79701

Sun Oil Company
P.O. Box 1861
Midland, Texas 79701

NEW MEXICO OIL CONSERVATION COMMISSION
GAS - OIL RATIO TESTS

C-116
Revised 1-1-65

Operator **TEXACO Inc.** Pool **See Below** County **Lea**

Address **P.O. Box 728 - Hobbs, New Mexico 88240** TYPE OF TEST - (X) Scheduled Completion Special

LEASE NAME	WELL NO.	LOCATION				DATE OF TEST	TYPE OF TEST - (X)	CHOKESIZE	TBG. PRESS.	DAILY ALLOWABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU. FT./BBL.	
		U	S	T	R							WATER BBL.	GRAV. OIL BBL.	OIL BBL.		GAS M.C.F.
Mittie Weatherly	2	E	17	21S	37E						24	0	37.6	1	TSTM	TSTM
Blinebry (011)						12-27-71	F	16/64	75	2	24	0	37.6	1	TSTM	TSTM
Tubb (011)						12-29-71	F	18/64	100	6	24	1	38.0	3	23.4	7800

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

January 11, 1972

(Date)



COLEMAN PETROLEUM ENGINEERING COMPANY

PHONE 393-3813

3713 W. MARLAND ST.

P. O. BOX 1829

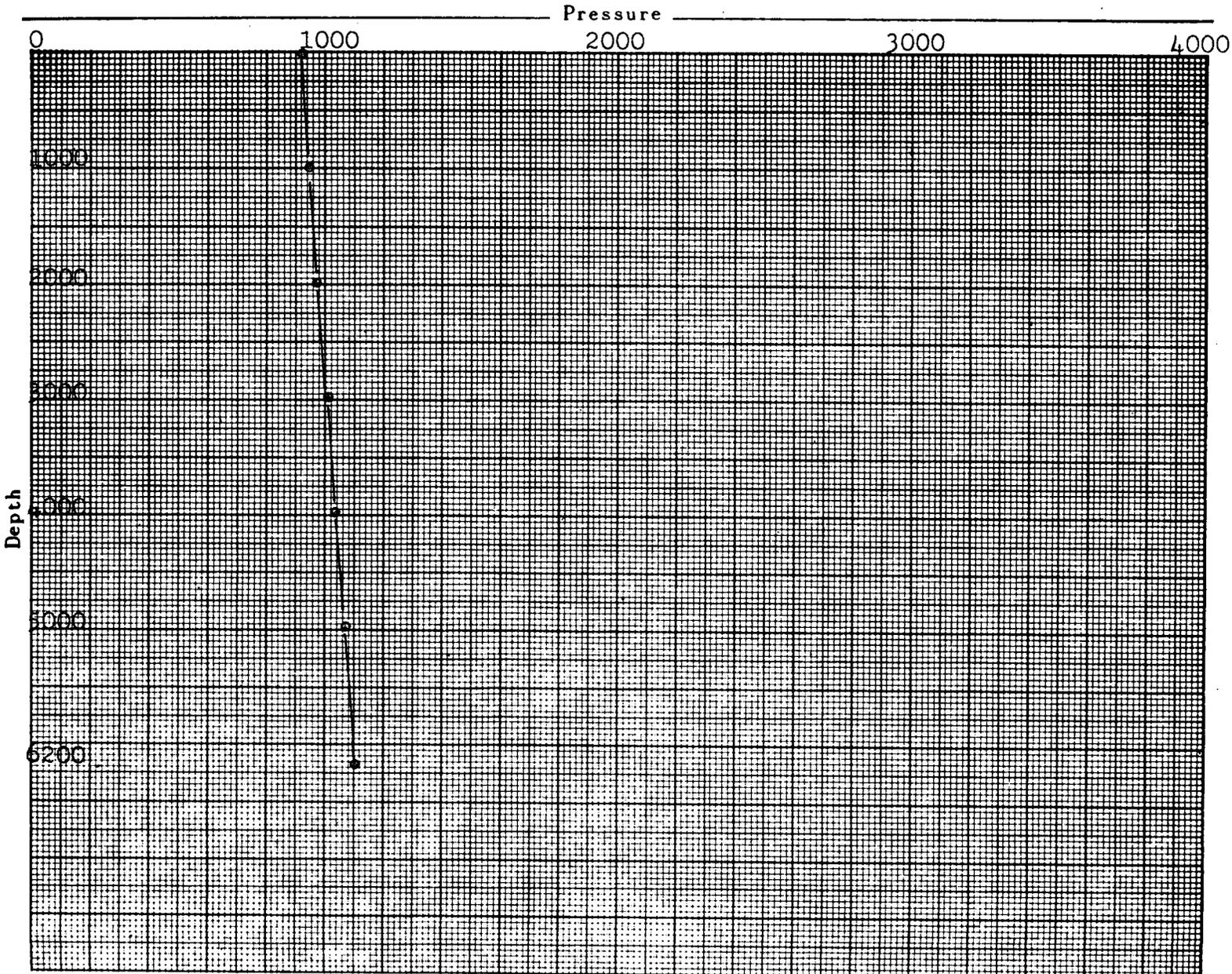
HOBBS, NEW MEXICO 88240

BOTTOM HOLE PRESSURE RECORD

OPERATOR Texaco, Inc.
 FIELD Tubb FORMATION Tubb Oil
 LEASE Mittie Weatherly WELL No. 2
 COUNTY Lea STATE New Mexico
 DATE 1-4-72 TIME 3:30 Pm
 Status Shut In Test depth 6200'
 Time S. I. 7 days Last test date Initial
 Tub Pres. 933 BHP last test -
 Cas. Pres. Dual BHP change -
 Elev. 3485' DF Fluid top NONE
 Datum (-2772')** Water top NONE
 Temp. @ 116°F Run by Weaver
 Cal. No. A4586N Chart No. 1

Depth	Pressure	Gradient
0	933	-
1000	958	.025
2000	985	.027
3000	1013	.028
4000	1044	.031
5000	1075	.031
6200	1114	.033
6257(-2772)	1116* **	(.033)

* Extrapolated pressure
 ** Mid point of casing perforations





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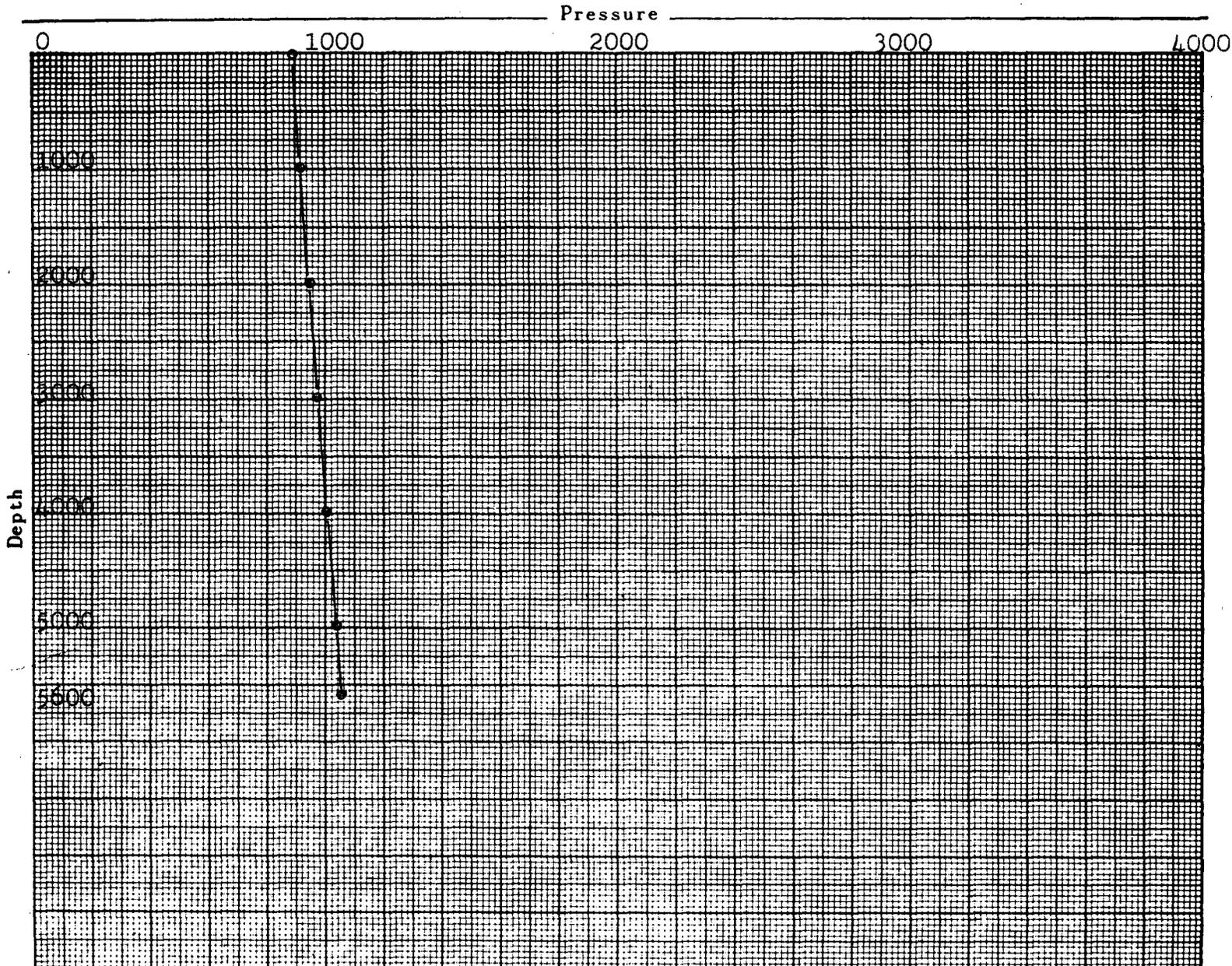
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BOTTOM HOLE PRESSURE RECORD

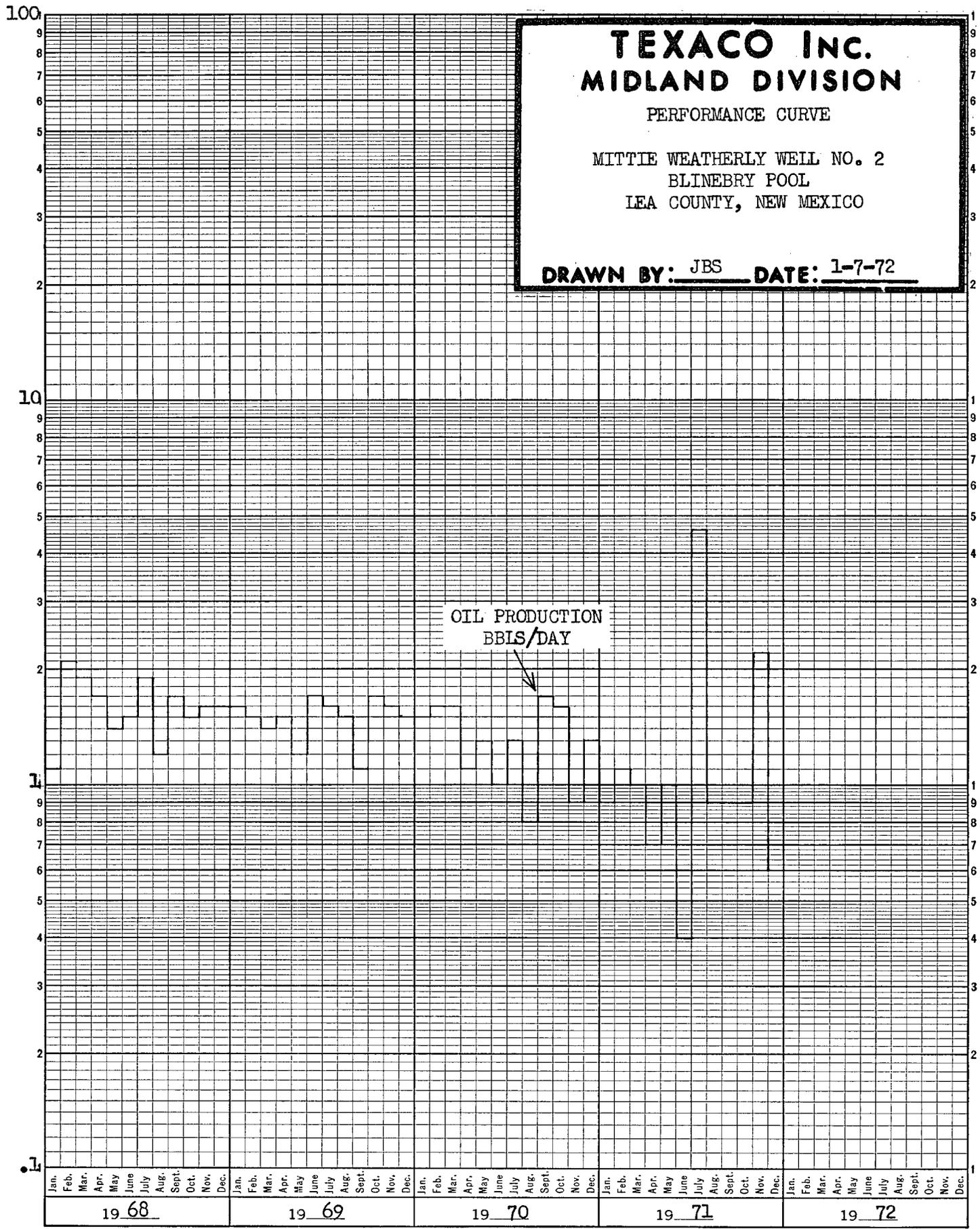
OPERATOR Texaco, Inc
 FIELD Blinebry FORMATION Blinebry Oil
 LEASE Mittie Weatherly WELL No. 2
 COUNTY Lea STATE New Mexico
 DATE 1-3-72 TIME 5:30 Pm
 Status Shut In Test depth 5600'
 Time S. I. 6 days Last test date Initial
 Tub Pres. 895 BHP last test -
 Cas. Pres. Dual BHP change -
 Elev. 3485' DF Fluid top None
 Datum (-2277')** Water top None
 Temp. @ 96°F Run by Weaver
 Cal. No. A4586N Chart No. 1

Depth	Pressure	Gradient
0	895	-
1000	923	.028
2000	952	.029
3000	981	.029
4000	1010	.029
5000	1041	.031
5600	1060	.032
5762 (-2277)	1065* **	(.032)

* Extrapolated pressure
 ** Mid point of casing perforations




 5 YEARS BY MONTHS 46 6690
 X 3 LOG CYCLES
 MADE IN U.S.A.
 KEUFFEL & ESSER CO.



TEXACO INC.
MIDLAND DIVISION
 PERFORMANCE CURVE

 MITTIE WEATHERLY WELL NO. 2
 BLINEBRY POOL
 LEA COUNTY, NEW MEXICO

DRAWN BY: JBS DATE: 1-7-72

