

Getty Oil Company

~~Southern Division~~ North American Exploration and Production
P. O. Box 249
Hobbs, New Mexico 88240

December 2, 1971

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

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

RECEIVED

DEC - 9 1971

OIL CONSERVATION COMM.
SANTA FE

DHC - 103
Due Dec 29

Ref: Application for Downhole Commingling
Getty Oil Company
State "BB" No. 2
Justis Blinebry & Justis Tubb-Drinkard
Pools
Lea County, New Mexico

Gentlemen:

Getty Oil Company respectfully requests Administrative Approval for downhole commingling in its State "BB" No. 2, located 430' FNL and 990' FWL of Section 2, Township ~~24~~²⁵ South, Range 37 East, Lea County, New Mexico

This well qualifies for Administrative Approval in accordance with Statewide Rule 303, Paragraph C; and in support thereof, the following facts are submitted:

1. The attached plat shows the State "BB" Lease outlined in red and located in Section 2, Township 24 South, Range 37 East, Lea County, New Mexico. Well No. 2 is marked with an arrow on the plat.
2. The well was dually completed in the Justis Blinebry and the Justis Tubb-Drinkard Pools and approved by Commission Order No. MC-1303 on April 15, 1963.
3. Current tests for each zone are as follows:

JUSTIS BLINEBRY: On November 3, 1971, the Blinebry flowed at a rate of 1 BOPD, 0 BWPD, 44 MCFGPD at 60 PSI flowing tubing pressure. (Perforations: 5,386' to 5,774').

JUSTIS TUBB-DRINKARD: On November 5, 1971, the Tubb-Drinkard flowed at a rate of 26 BOPD, 1 BWPD, 44 MCFGPD on 18/64" choke at 80 PSI flowing tubing pressure. (Perforations: 5,916' to 6,220').

NMOCC Forms C-116 are attached. These producing rates do not exceed the limit set out in Paragraph C, (b) i.e. 40 BOPD.

4. Neither zone produces more water than the combined oil limit as determined in Rule 303, Paragraph C, (d).

Page No. 2

5. Getty Oil Company has commingled the fluids at the surface since completion (Administrative Order PC-135) and has encountered no incompatibility problems; therefore, no reservoir damage will result from downhole commingling these two zones.

6. The surface commingling resulted in no reduction of oil value; therefore, downhole commingling will not reduce the oil value.

7. The ownership of the zones to be commingled is common.

8. Attached is a production decline curve showing the monthly production of oil for each zone since January, 1967.

9. The production from each zone is by natural flow. Twenty-four shut-in Bottom Hole Pressures are 887 PSI at 5,500' and 776 PSI at 5,500' respectively for the Blinbry and the Tubb-Drinkard Zones. The Bottom Hole Pressure Surveys are enclosed.

10. Down-hole commingling will not jeopardize the efficiency of future secondary operations in either zone.

11. Copies of this application have been furnished to offset operators.

History of State "BB" No. 2: The well was completed as a Tubingless Dual in the Justis Blinbry and Tubb-Drinkard Zones during April, 1963. A communication between the two zones was indicated on a packer leakage test during October, 1969. In an attempt to repair the communication, a casing leak was discovered in the Tubb-Drinkard casing from 5,406' to 5,438'. This casing leak was repaired in April, 1970 by setting a 1" (one inch) scab liner. The packer leakage tests during April, 1970 and April, 1971 have indicated no communication between the two zones. Also recent Bottom Hole Pressure Surveys confirmed a positive separation between the two zone. (Bottom Hole Pressure Surveys are enclosed).

Very truly yours,
GETTY OIL COMPANY

C. L. Wade
C. L. Wade
Area Superintendent

1 CC: New Mexico Oil Conservation Commission
P.O. Box 1980
Hobbs, New Mexico 88240

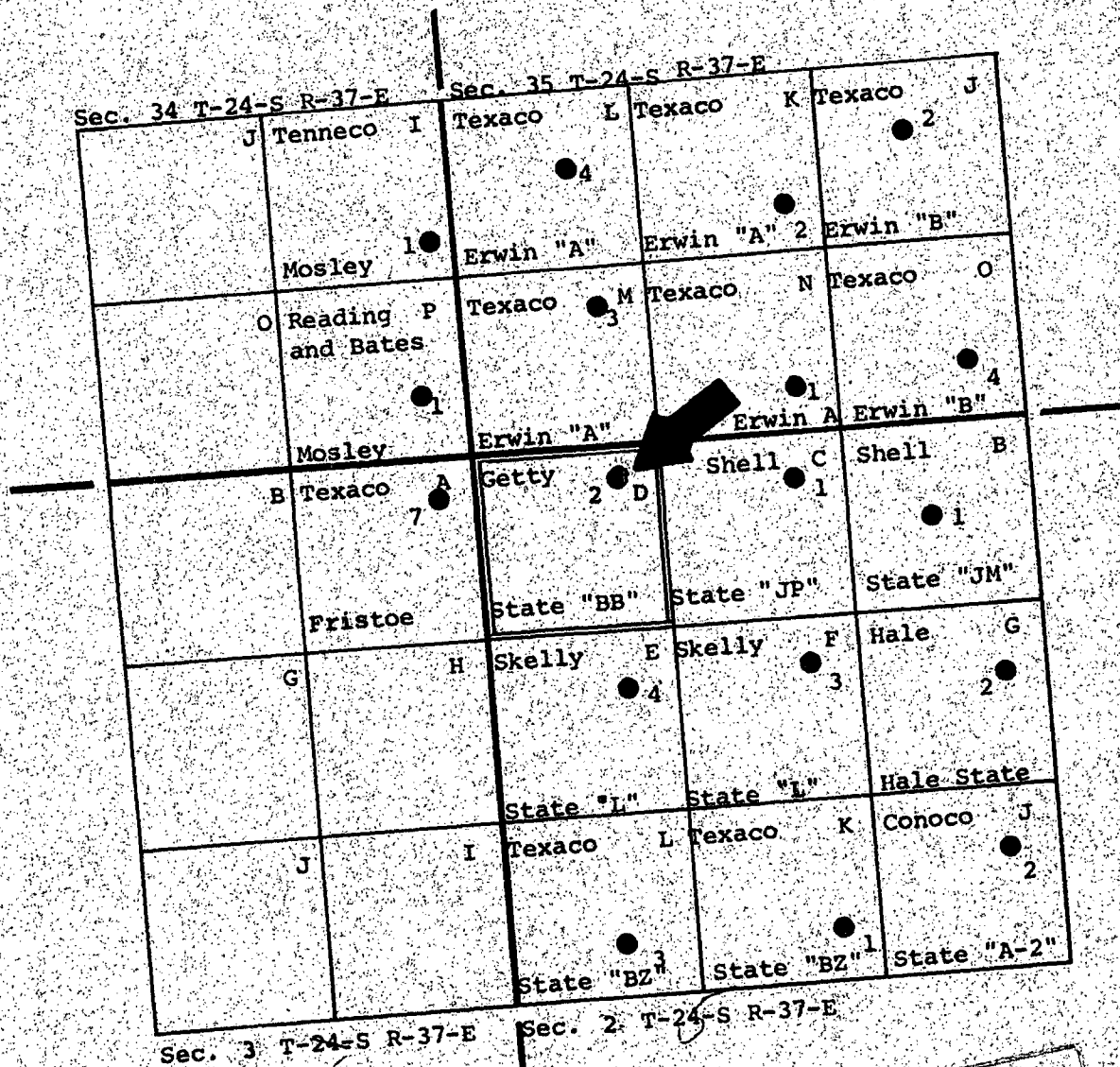
Getty Oil Company
P.O. Box 1231
Midland, Texas 79701

Reading & Bates, Inc.
201 Black Building
825 Maple
Odessa, Texas 79760

Texaco, Inc.
P.O. Box 728
Hobbs, New Mexico 88240

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

GETTY OIL COMPANY
STATE "BB" LEASE
JUSTIS POOLS
LEA COUNTY, NEW MEXICO



CHANGE
OK *[Signature]*

FIGURE NO. 1

OIL PRODUCTION - BOPM

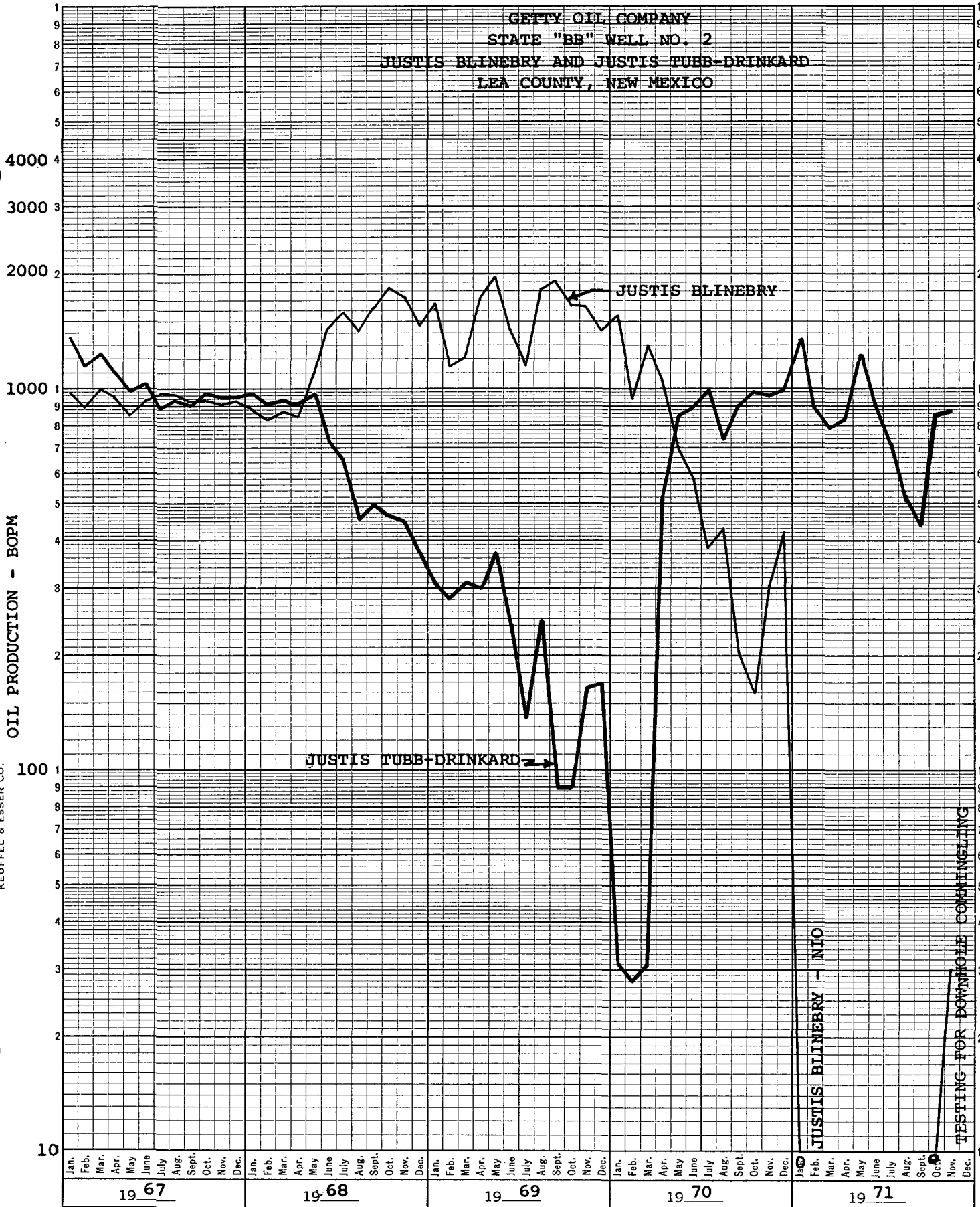


FIGURE NO. 2

2-NMOCC
1-Midland
1-File

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116
Revised 1-1-65

Operator		Pool		County		Completion		Special							
GETTY OIL COMPANY		JUSTIS TUBB-DRINKARD		LEA											
Address		P.O. BOX 249, HOBBS, NEW MEXICO 88240		TYPE OF TEST - (X)		SCHEDULED		Special							
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOWABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU.FT./BBL.		
		U	S	T						R	WATER BBLs.	GRAV. OIL		OIL BBLs.	GAS M.C.F.
STATE "BB"	2	D	2	25-S	37-E	11-5-71	F 18/64	80	41	24	1	37.5	26	44	1,692
TEST FOR DOWNHOLE COMMINGLING PROOF															

I hereby certify that the above information is true and complete to the best of my knowledge and belief.

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.

C. E. Wade
(Signature)

AREA SUPERINTENDENT

(Title)

December 8, 1971

(Date)

HBS/bh

I hereby certify that the above information is true and complete to the best of my knowledge and belief.

C. R. Wade
(Signature)

AREA SUPERINTENDENT

December 8, 1971
(Date)

HBS/bh

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HBS/bh



COLEMAN PETROLEUM ENGINEERING COMPANY

PHONE 393-3813

3713 W. MARLAND ST.

P. O. BOX 1829

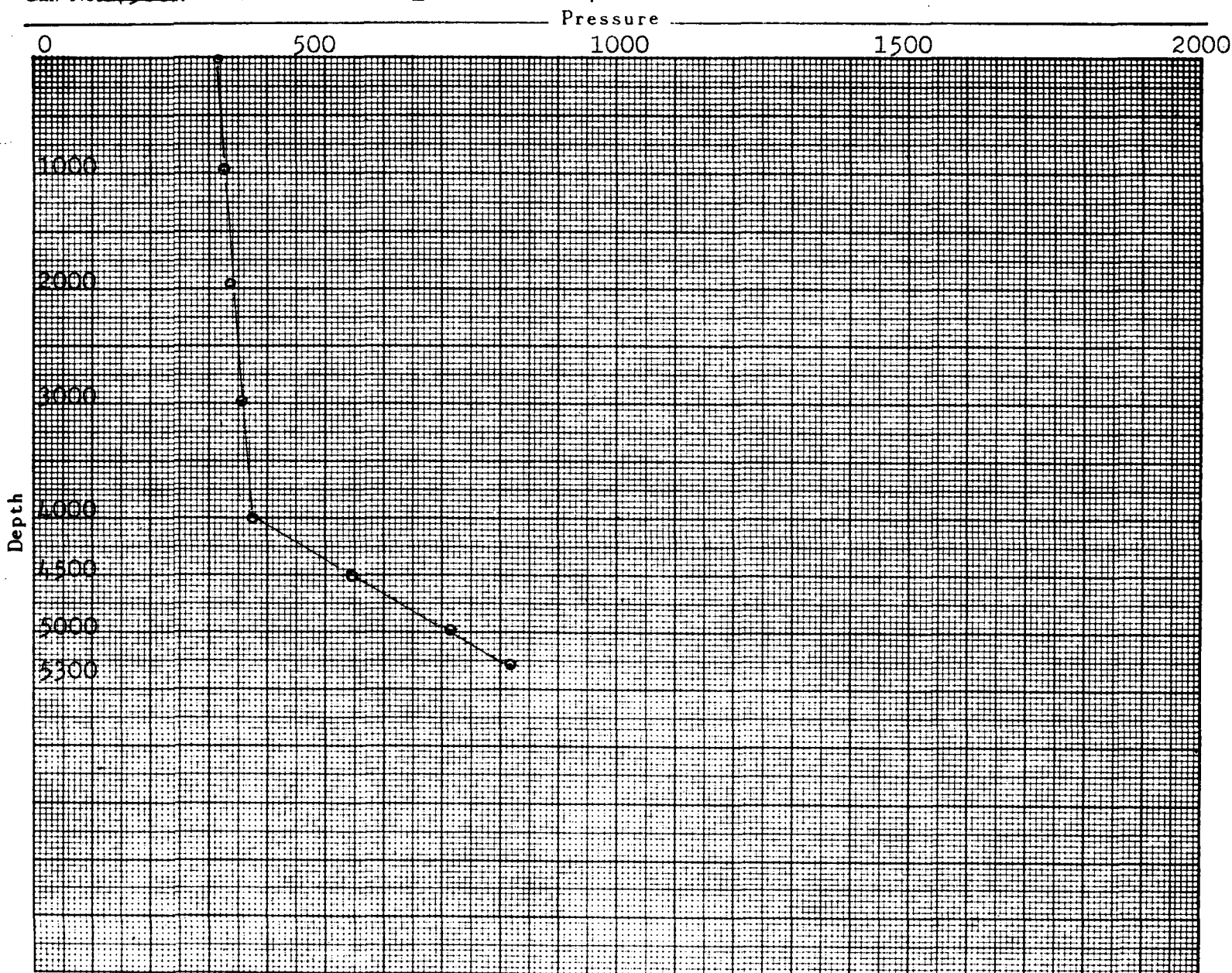
HOBBS, NEW MEXICO 88240

BOTTOM HOLE PRESSURE RECORD

OPERATOR Getty Oil Company
FIELD Justis FORMATION Blinbry
LEASE State BB WELL No. 2
COUNTY Lea STATE New Mexico
DATE 12-6-71 TIME 10:30 Am
Status Shut In Test depth 5300'
Time S. 124.0 hrs Last test date 12-9-69
Tub Pres. 313 BHP last test 884
Cas. Pres. - BHP change 3# Gain
Elev. 3190' KB Fluid top 4000'
Datum (-2310')* Water top -
Temp. @ 93°F Run by Weaver
Cal. No A4586N Chart No. 1

Depth	Pressure	Gradient
0	313	-
1000	324	.011
2000	336	.012
3000	355	.019
4000	374	.019
4500	541	.334
5000	714	.346
5300	818	.347
5500(-2310)	887*	(.347)

* Extrapolated pressure





COLEMAN PETROLEUM ENGINEERING COMPANY

PHONE 393-3813

3713 W. MARLAND ST.

P. O. BOX 1829

HOBBS, NEW MEXICO 88240

BOTTOM HOLE PRESSURE RECORD

OPERATOR Getty Oil Company

FIELD Justis FORMATION TubbDrinkard

LEASE State BB WELL No. 2

COUNTY Lea STATE New Mexico

DATE 12-6-71 TIME 1:00 Pm

Status Shut In Test depth 5300'

Time S. 124.0 hrs Last test date 12-9-69

Tub Pres. 651 BHP last test 830

Cas. Pres. - BHP change 54# Loss

Elev. 3190' KB Fluid top NONE

Datum (-2310')* Water top NONE

Temp. @ 95°F Run by Weaver

Cal. No. A4586N Chart No. 1

Depth	Pressure	Gradient
0	651	-
1000	667	.016
2000	686	.019
3000	707	.021
4000	732	.025
4500	746	.028
5000	761	.030
5300	770	.030
5500(-2310)	776*	(.030)

* Extrapolated pressure

