

Getty Oil Company | P. O. Box 730, Hobbs, NM 88240

505/397-3571

Central Exploration and Production Division

April 5, 1984

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

Re: Application For Downhole Commingling
Getty Oil Company
R. L. Clifton Well #2
Blinebry & Drinkard Pools
Lea County, New Mexico

Gentlemen:

Getty Oil Company respectfully requests administrative approval for downhole commingling in it's R. L. Clifton Well #2, located in Lea County, New Mexico. At present, this is a Dual Blinebry-Drinkard Oil Well as granted by Commission Order #MC-2094, dated February 18, 1974. Both Blinebry and Drinkard zones are flowing while periodic swabbing is required to maintain production.

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 R. L. Clifton Lease. Well #2 is located in Unit M, Section 4, T-22-S, R-37-E, Lea County, New Mexico and is indicated in red.
2. The latest tests are as follows:

Blinebry: 2/24/84. 1 BOPD, 0 BWPD & 48 MCFPD. Perf
5544', 48', 63', 71', 78', 96', 5606', 15', 34', 55',
70', 81', 89', 93', 5708', 26', 34' & 5747' w/1 SPF.

Drinkard: 2/28/84. ½ BOPD, 0 BWPD & 10 MCFPD. Perf
6288', 99', 6309', 24', 33', 40', 63', 74', 85', 92',
6400', 07', 23', 41', 51', 62', 73' & 6484' w/1 SPF.

The NMOCC C-116's for the Blinebry and Drinkard Zones are attached. These production rates do not exceed the limits set out in paragraph C, (b), i.e., 40 BOPD.

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3. Neither zone produces more water than the combined oil limit as determined in Rule 303, paragraph C, (d).
4. Surface commingling of the Blinebry and Drinkard Zones were granted by NMOCC Administrative Order #PC-495, dated November 18, 1974. Getty Oil Company has commingled these fluids at the surface since that time and has encountered no incompatibility problems; therefore, no reservoir damage will result from downhole commingling.
5. Attached is a copy of gravity and value data from the original application for surface commingling. At that time, an increase in oil values were obtained due to surface commingling. Since 1974, oil has been commingled at surface with no recent individual zone gravity test. Surface commingling has not resulted in reduction of oil value in the past, or is expected to in the future.
6. The ownership of both zones to be commingled is common.
7. Attached are production decline curves showing average daily production by months of oil, water and gas for the two zones of interest.
8. The Blinebry and Drinkard zones flow but require periodic swabbing. Bottom hole pressures are 1069 and 365 PSI for the Drinkard and Blinebry respectively. After commingling, well will be artificially lifted with rod pump.
9. Commingling will not jeopardize the efficiency of future secondary operations in either zone.
10. Copies of this application have been furnished to the offset operators.
11. Recommended oil and gas allotments would be as follows:

<u>Drinkard</u>		<u>Blinebry</u>
33%	Oil	67%
17%	Gas	83%

Very Truly Yours,
Getty Oil Company

Dale R. Crockett
Area Superintendent

DBW/cp

Attachments: 4

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R.L. CLIFTON WELL NO. 2

DOWNHOLE COMMINGLE

MAILING LIST

GULF OIL COMPANY

P.O. BOX 670

HOBBS, NEW MEXICO 88240

SUN PRODUCTION COMPANY

P.O. BOX 2880

DALLAS, TEXAS 75221

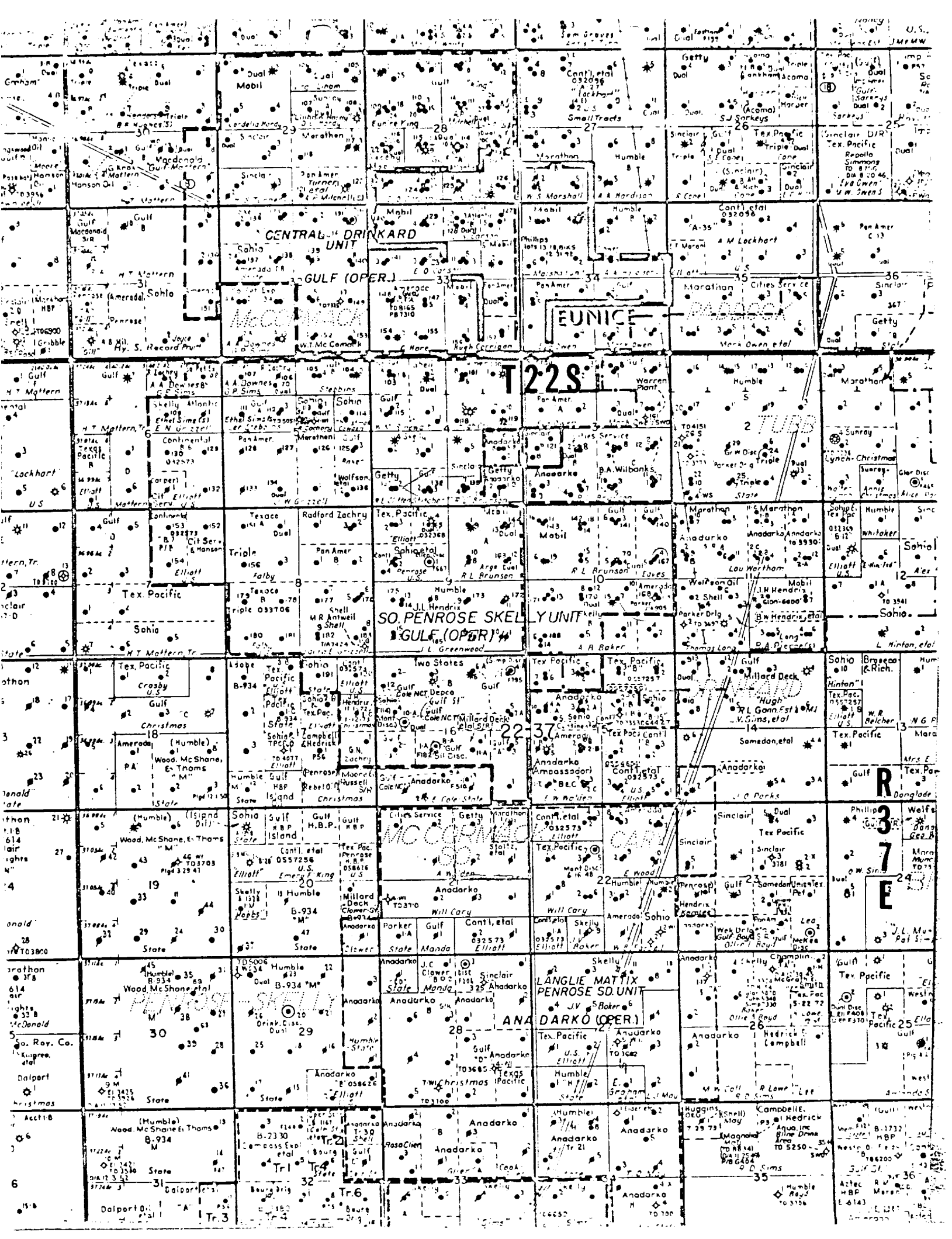
W.B. YARBOROUGH

1400 BRIERCRAFT

SAVINGS BUILDING

MIDLAND, TEXAS 79701

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GETTY OIL COMPANY

APPLICATION TO COMMINGLE BLINEBRY & DRINKARD PRODUCTION

R. L. CLIFTON LEASE
WELL NO. 2

Zone	No. of Wells	A.P.I. Gravity	Normal Unit Price	Avg. Daily Prod.	A.P.I. Comp. Gravity	Comp. Unit Price	Unit Price Change	Daily Revenue Change
BLINEBRY	1	41.4	10.11	25.41	40.4°*	10.11	- 0 -	- 0 -
DRINKARD	1	39.5	10.09	18.00	40.4°*	10.11	(.02¢)	.36

*GRAVITY TO VARY DEPENDING ON DEGREE OF WEATHERING.

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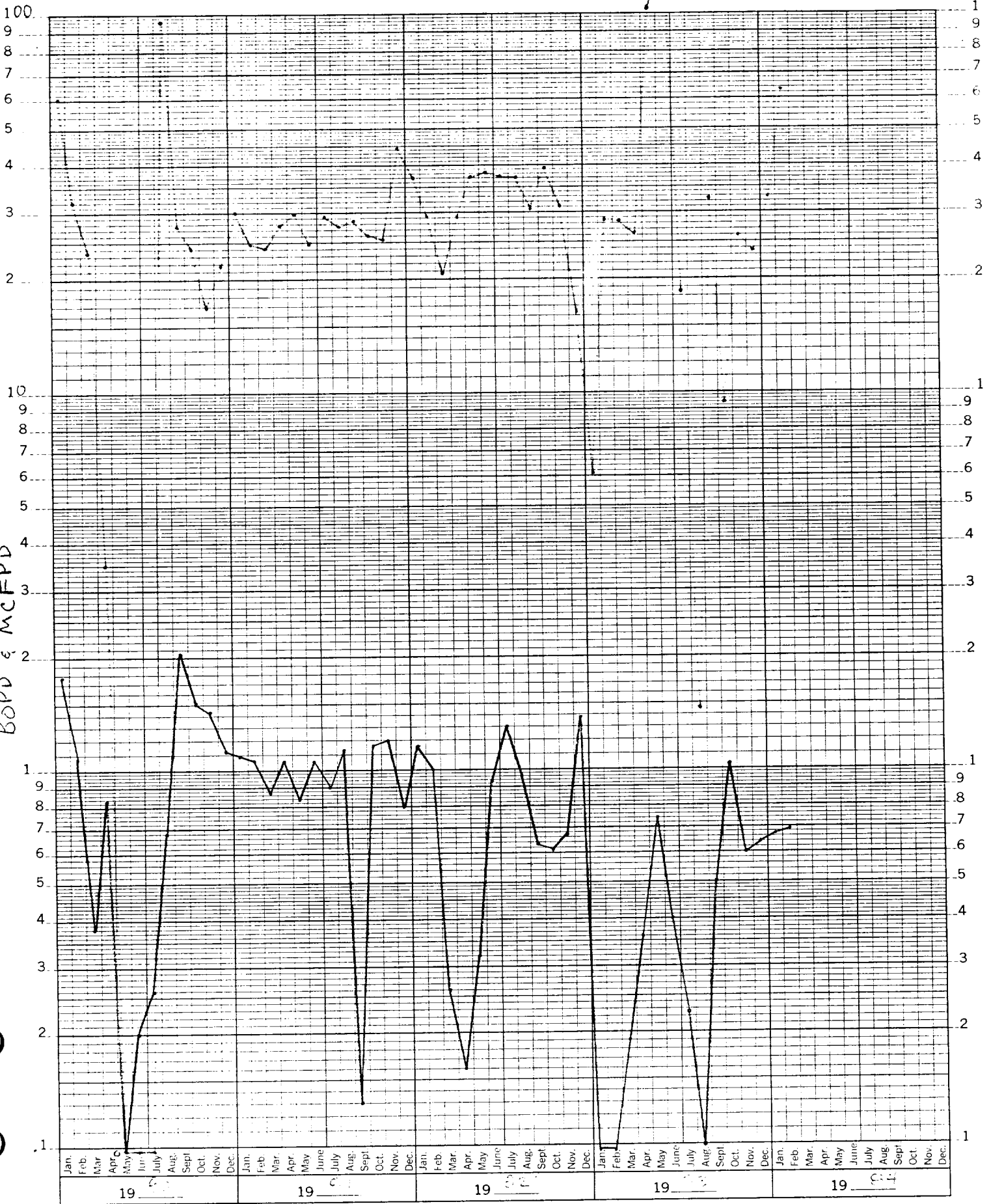
R. L. CROFTON #2 - BLINDERY

104

46 6690

BOPD & MCFPD

K&E 5 YEARS BY MONTHS x 3 LOG CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.



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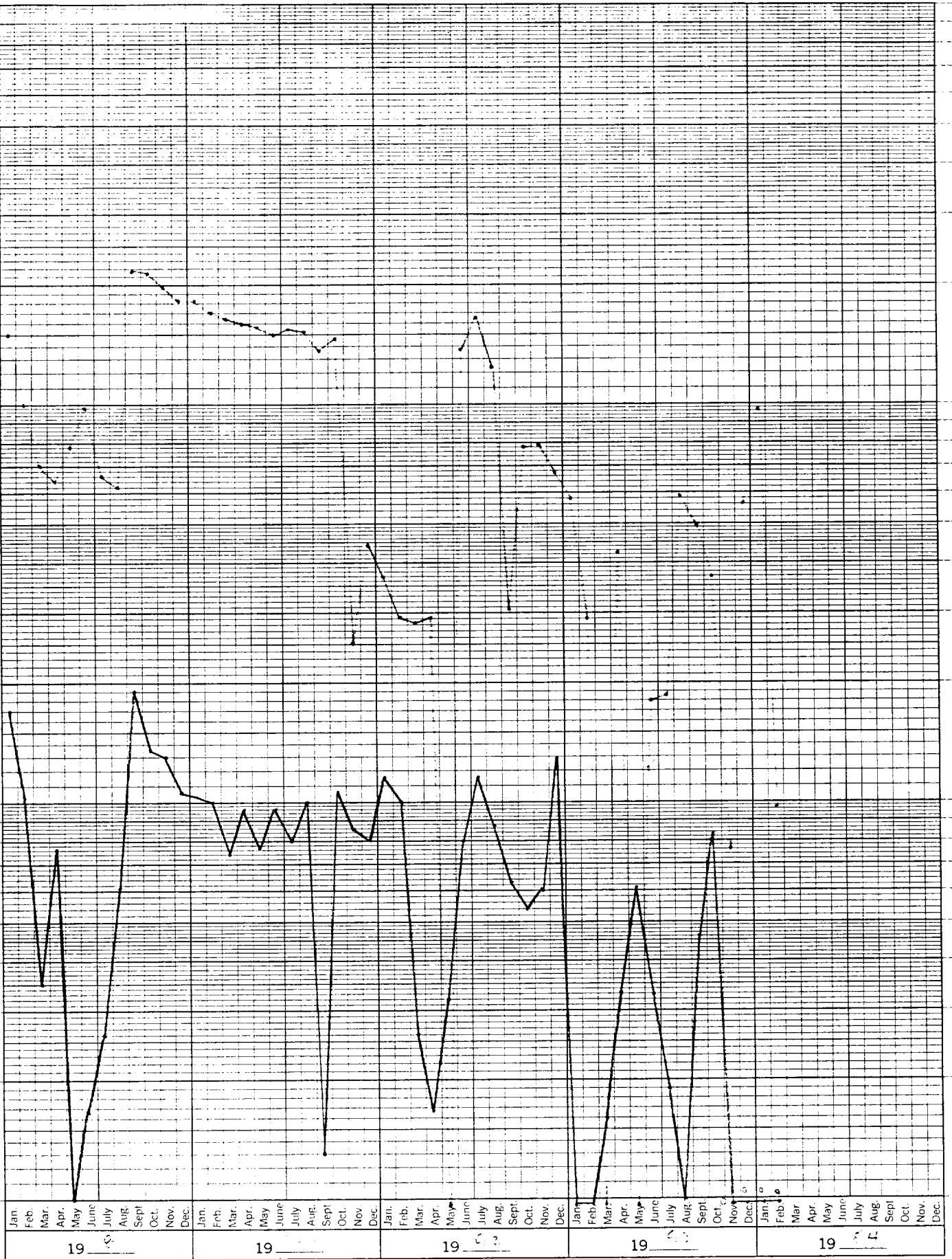
R. L. CLINTON #2 - DRINKA.

46 6690

K&E 5 YEARS BY MONTHS x 3 LOG CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.

BOPD

MCFPD



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JARREL SERVICES, INC.

POST OFFICE BOX 1654

PHONES 505 393-5396 — 393-8274

HOBBS, NEW MEXICO 88240

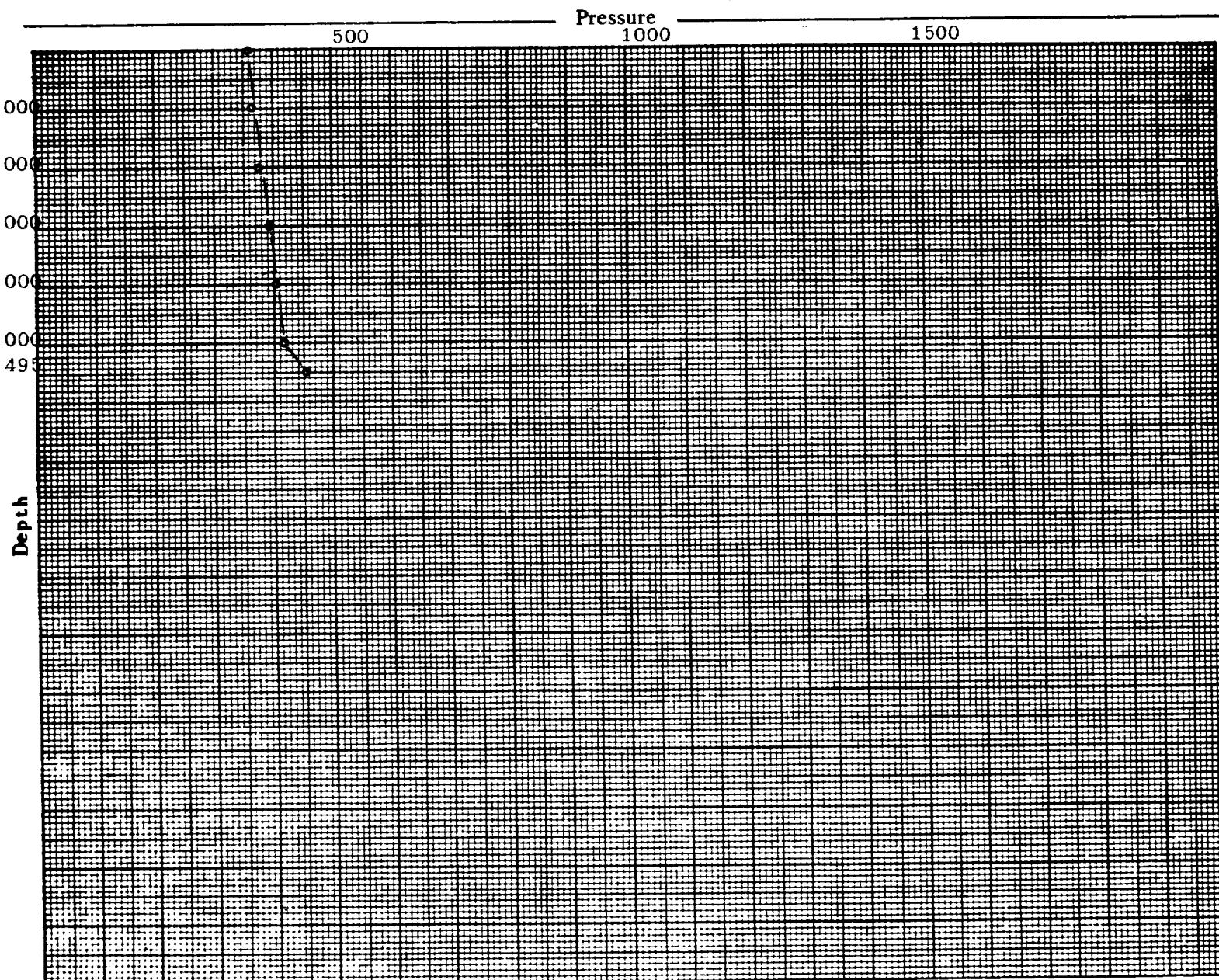
BOTTOM HOLE PRESSURE RECORD

OPERATOR Getty Oil Company
 FIELD Drinkard
 FORMATION Drinkard
 LEASE R.L. Clifton WELL # 2
 COUNTY Lea STATE New Mexico
 DATE 2/11/84 TIME 10:00 AM
 Status Shut in
 Test Depth 6386'
 Time S. I. Last test date
 Tub Pres. 360 BHP last test
 Cas. Pres. Dual BHP change
 Elev. 3431' GL+13' Fluid top 5000'
 Datum (-2955)** Water top 5000'
 Temp. @ 106 F Run by JSI #16
 Cal. No. A20275 Chart No.

Depth	Pressure	Gradient
0.	360	-
1000	366	.006
2000	378	.012
3000	391	.013
4000	405	.014
5000	419	.014
5495	651	.469
6386 (-2955)	1069 * **	(.469)

* EXTRAPOLATED PRESSURE

** MIDPOINT OF CASING PERFORATIONS



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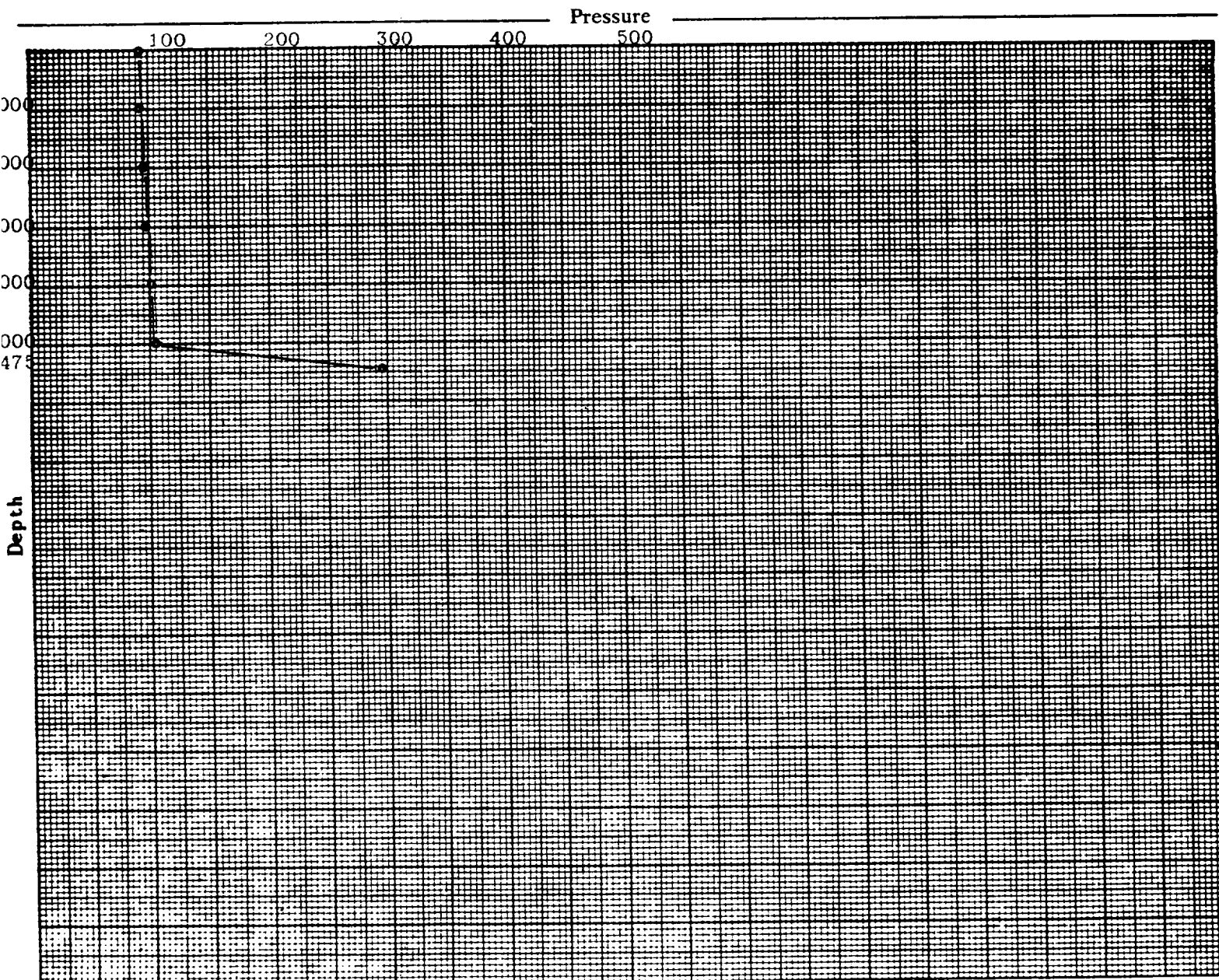
BOTTOM HOLE PRESSURE RECORD

OPERATOR Getty Oil Company
 FIELD Blinebry
 FORMATION Blinebry
 LEASE R.L. Clifton WELL #2
 COUNTY Lea STATE New Mexico
 DATE 2/11/84 TIME 8:30 AM
 Status Shut in
 Test Depth 5475'
 Time S. I. 48.0 hrs. Last test date -
 Tub Pres. 92 BHP last test -
 Cas. Pres. Dual BHP change -
 Elev. 3431' GL+13' Fluid top 5000'
 Datum (-2215)** Water top 5000'
 Temp. @ 103° F Run by JSI #16
 Cal. No. A20275N Chart No. 1

Depth	Pressure	Gradient
0	92	-
1000	93	.001
2000	95	.002
3000	98	.003
4000	101	.003
5000	105	.004
5475	296	.402
5646 (-2215)	365 * **	(.402)

* EXTRAPOLATED PRESSURE

** MIDPOINT OF CASING PERFORATIONS



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NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

Operator		County		Pool		BLINEBRY OIL AND GAS		TYPE OF TEST - (X)		Scheduled ☐		Completion ☐		Special ☒	
GETTY OIL COMPANY		LEA													
Address		P.O. BOX 730, HOBBS, NEW MEXICO 88240													
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOWABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO		
		U	S	T						R	WATER DLS.	GRAV. OIL	OIL SEC.	GAS M.C.F.	CU.FT./SEC.
R.L. CLIFTON	2	M	4	22	37	2/24/84 F	-	1	24	0	39	1	48	48,000	
NOTE: THIS TEST FIRED FOR DOWNHOLE COMMINGLING APPLICATION.															

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.

Dale R. Crockett
 (Signature)
 Dale R. Crockett, Area Supt.

March 22, 1984

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NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-113
Revised 1-1-65

Operator		County		Pool		DRINKARD		TYPE OF TEST - (X)		Scheduled ☐		Completion ☐		Special ☒ XX											
GETTY OIL COMPANY		P.O. BOX 730, HOBBS, NEW MEXICO 88240		DATE		DATE OF TEST		CHOKE SIZE		TBG. PRESS.		DAILY ALLOWABLE		LENGTH OF TEST HOURS											
LEASE NAME		WELL NO.		LOCATION		DATE OF TEST		CHOKE SIZE		TBG. PRESS.		DAILY ALLOWABLE		LENGTH OF TEST HOURS											
		2		M 4 22 37		2/28/84		F		-		1		24											
R.L. CLIFTON																									
NOTE: THIS TEST FILED FOR DOWNHOLE COMMINGLING APPLICATION.																									
PROD. DURING TEST <table border="1"> <tr> <td>WATER DLS.</td> <td>GRAV. OIL</td> <td>OIL GALS.</td> <td>GAS M.C.F.</td> <td>GAS - OIL RATIO CU.FT/BSL</td> </tr> <tr> <td>0</td> <td>37</td> <td>.5</td> <td>10</td> <td>20,000</td> </tr> </table>																WATER DLS.	GRAV. OIL	OIL GALS.	GAS M.C.F.	GAS - OIL RATIO CU.FT/BSL	0	37	.5	10	20,000
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