



DEC 12 1969

CONTINENTAL OIL COMPANY

P. O. Box 460
Hobbs, New Mexico
December 10, 1969

✓ New Mexico Oil Conservation Commission (2)
P. O. Box 2088
Santa Fe, New Mexico

DHC-26
due 1-1-70

Attention of Mr. A. L. Porter, Jr., Secretary Director

Gentlemen:

Subject: Application for Downhole Commingling
Lockhart B-14 "A" Well No. 1 - H-14-21S-37E

Continental Oil Company, Box 460, Hobbs, New Mexico, as operator of the Lockhart B-14 "A" Lease respectfully requests administrative approval under the provisions of Order No. R-3845 to commingle in the well bore production from the Drinkard and Terry-Blinebry Pools in its Lockhart B-14 "A" Well No. 1 located in Unit H of Section 14, T21S, R37E, Lea County, New Mexico. This dual completion was authorized by Order No. R-1163. The attached plat shows the Lockhart B-14 "A" Lease outlined in red and the No. 1 well by the red circle.

Attached hereto are forms C-116 showing the results of tests taken within the last 30 days on the two zones in this well. As shown by these tests, the combined producing rate is 10 barrels oil, 4 barrels water and 1054 MCF gas per day.

On December 2, 1969, the bottom hole pressure in the Terry-Blinebry zone which is capable of flowing, was 634 psi after shut in of 24 hours. The estimated bottom hole pressure after 24 hour shut in of the Drinkard zone, which is artificially lifted, is 300 psi based on the surface shut in pressure observed during packer-leakage test. The commingled production will be artificially lifted.

Attached hereto is a production decline curve for each zone. The future production from the Drinkard zone is estimated by the extension of the curve. Since the Drinkard demonstrates a consistent decline rate, we propose to allocate this zone's production on the curve extension and the remainder of the well's production to the Terry-Blinebry.

As shown on the attached C-116's, the gravity of the two oils are very similar, both being typical Permian high gravity crude oil. Observed

NMOCC
Lockhart B-14 "A"
Page 2

gravity will vary from month to month but any reduction in price per barrel during a given month, will be more than compensated by a reduction of loss of volume and gravity as a result of evaporation during time in storage. The commingled production will be handled in the Terry-Blinebry battery.

The Lockhart B-14 "A" is a federal lease and a copy of this application is being furnished the U.S.G.S. and to all offset operators. Your further handling and approval of this application will be sincerely appreciated.

Yours very truly,

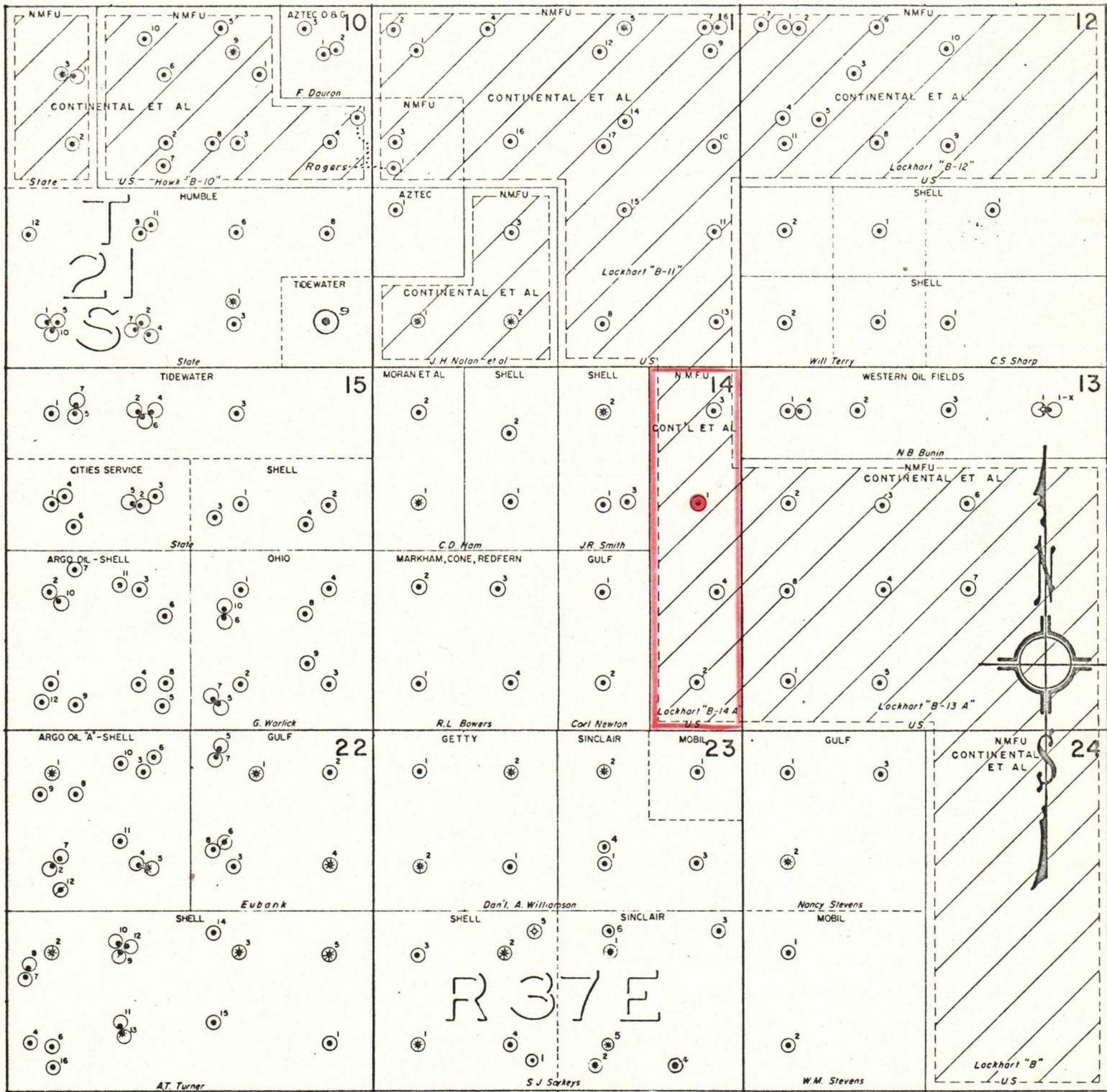


G. C. Jamieson
Assistant Division Manager

VTL-JS
CC: NMOCC-Hobbs
USGS-Hobbs (2)

RLA JJB JWK

Western Oil Fields
Shell Oil Company
Gulf Oil Corporation



CONTINENTAL OIL COMPANY
 PRODUCTION DEPARTMENT
 HOBBS DIVISION
 LOCKHART B-14 "A" LEASE PLAT
 LEA COUNTY, NEW MEXICO
 SCALE: 1" 2000'

Operator: Continental Oil Company
Pool: Terry Blinbery
County: Lea
Address: Box 460, Hobbs, N. M. 88240
TEST - (X)
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 M.C.F.	GAS - OIL RATIO CU.FT./BBL.
		U	S	T	R						WATER BBL.S.	GRAV. OIL	OIL BBL.S.		
Lockhart B-11	10	H	11	21	37	11-10-69P	Open	40	12	24	5	38	11	71	6,450
Lockhart B-11	4	C	11	21	37	11-22-69P	Open	35	7	24	2	38	10	52	5,200
Lockhart B-11	11	I	11	21	37	11-13-69F	SCF	200	15	24	2	39	12	98	8,160
Lockhart B-14A	1	H	14	21	37	11-11-69F	Open	140	5	24	2	39	5	1030	206,000
Lockhart B-11	16	F	11	20	37	11-23-69F	32/64	120	51	24	5	38	23	343	14,900

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)

Administrative Section Chief
(Title)

12-5-69
(Date)

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116
Revised 1-1-65

Operator Continental Oil Company Pool Drinkard County Lea
Address Box 460, Hobbs, N. M. 88240

LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	TYPE OF TEST - (X)	SCHEDULED	CHOKE SIZE	TBG. PRESS.	DAILY ALLOWABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU.FT./BBL
		U	S	T								R	WATER BBL.S.	GRAV. OIL	
Lockhart B-11	10	H	11	21	37	11-17-69P	Open	40	5	24	1	37	2	50	25,000
Lockhart B-11	4	C	11	21	37	Shut-in; pumping unit moved.	Open	40	4	24	Last test	38	3	25	3,571
Hawk A	5	D	9	21	37	11-22-69P	Open	40	2	24	1	38	7	25	3,571
Hawk A	4	U	4	21	37	Shut-in	pumping unit moved.	45	2	24	0	37	2	33	16,500
Hawk B-3	13	X	3	21	37	11-16-69P	Open	40	10	24	1	36	10	32	3,200
Lockhart B-11	11	I	11	21	37	11-13-69P	Open	40	8	24	2	38	5	24	4,800
Lockhart B-14A	1	H	14	21	37	11-15-69P	Open	30	8	24	2	38	5	24	4,800
Lockhart B-11	16	F	11	20	37	Shut-in	pumping unit moved.	40	33	24	3	38	13	53	4,070
Lockhart B-12	3	C	12	21	37	11-22-69P	Open	40	33	24	3	38	13	53	4,070

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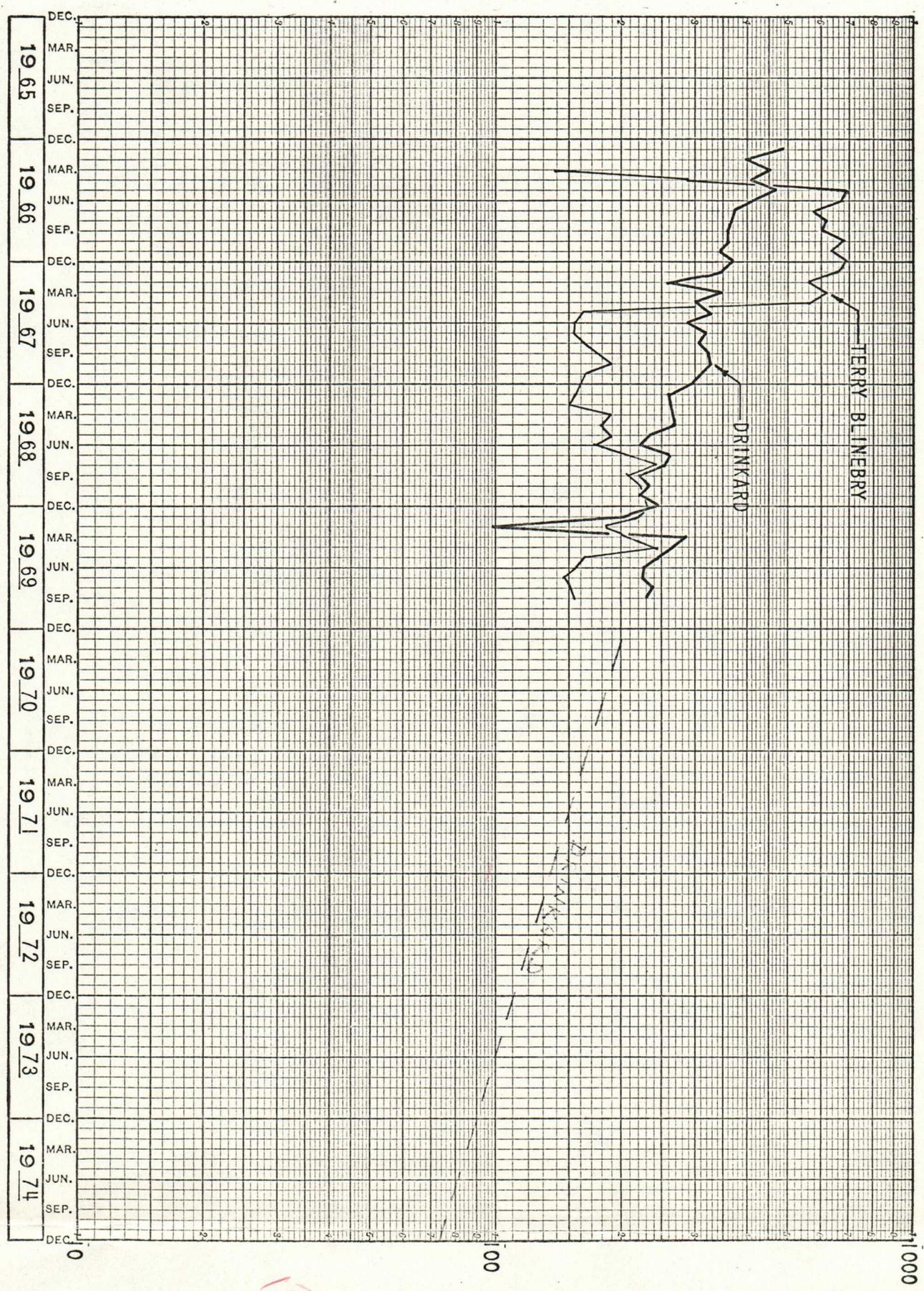

(Signature)
Administrative Section Chief

NMOCC (2) FILE

12-5-69
(Date)



LOCKHART B-14-A NO. 1
DRINKARD-TERRY BLINEBRY



BOPM

Handwritten notes in red ink:
 135
 110
 110