



Donald W. Johnson
Division Manager
Production Department
Hobbs Division
North American Production

Conoco Inc.
P.O. Box 460
726 East Michigan
Hobbs, NM 88240
(505) 393-4141

August 17, 1984

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

Attention: Gilbert Quintana

Gentlemen:

Downhole Commingling, Lockhart B-11 No. 15, Unit J, Section 11-21S-37E,
Lea County, New Mexico

Conoco respectfully requests an exception to Division Rule 303-A to allow downhole commingling of the Drinkard and Blinebry Oil and Gas pools in the subject well. Additional data relative to this commingling is listed below.

1. A lease plat is attached.
2. C-116's are included providing recent tests for the two zones. The most recent test of the Blinebry is March 1, 1984. This zone is currently shut-in.
3. Decline curves for both zones are attached.
4. Shut-in bottom-hole pressures are 965 psi for the Blinebry and 903 psi for the Drinkard, adjusted to a common datum. These pressures were recorded during a test of the well in December, 1983. Per Gilbert Quintana, these pressure tests are acceptable so undue expense can be avoided in repairing the packer in the well to retest formation pressure.
5. The fluids from these two zones will not be incompatible as we are commingling production from these two zones downhole in 7 wells on the Lockhart B-11 Lease.
6. The following allocation percentages are suggested based upon the ratio of production from each zone:

	<u>Oil</u>	<u>Gas</u>
Blinebry	33%	21%
Drinkard	67%	79%

NMOCD

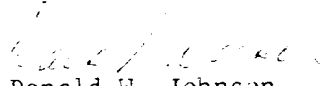
August 17, 1984

Page 2

The last stabilized period of production from both the Blinebry and Drinkard zones occurred from July, 1981 to March, 1982. During this time period the ratio of Drinkard oil production to Blinebry oil production ranged from 0.658 to 0.685 with an average ratio of 0.67. During the same time period the ratio of Drinkard gas production to Blinebry gas production ranged from 0.787 to 0.791 with an average ratio of 0.79.

7. By copy of this letter we are notifying the Bureau of Land Management and all offset operators of the proposed commingling (see attached address list).

Very truly yours,


Donald W. Johnson

JDC:jr

cc: NMOCD-Hobbs

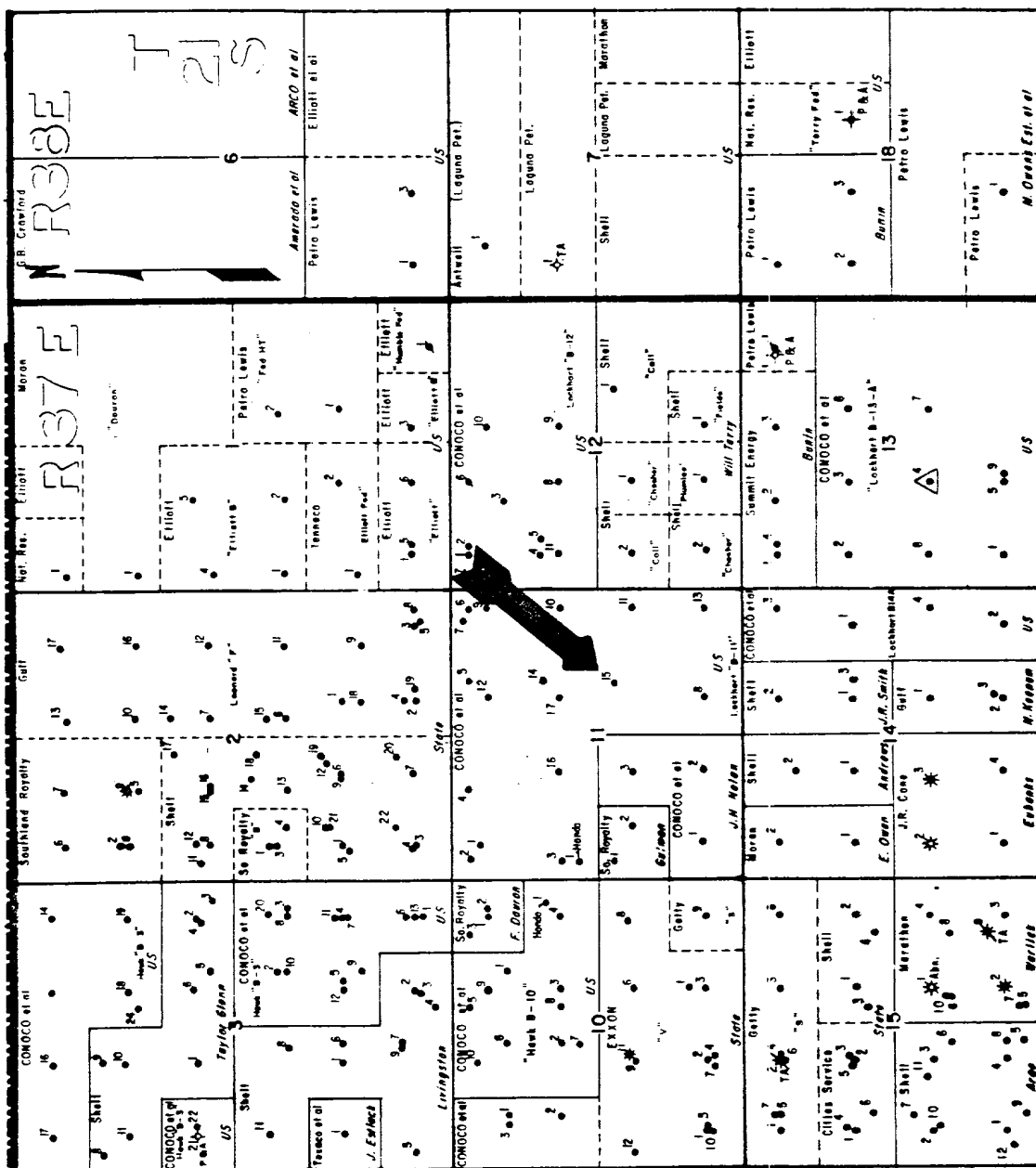
Offset Operators to Conoco's Lockhart B-11 Lease

Southland Royalty Company
21 Desta Drive
Midland, TX 79705

Shell Oil Company
Mid-Continent Prod. Div.
P. O. Box 1509
Midland, TX 79701

Gulf Energy & Minerals Corporation
P. O. Box 670
Hobbs, NM 88240

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AUG 23 1984
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HOSTS OFFICE



NEW MEXICO OIL CONSERVATION COMMISSION
GAS - OIL RATIO TESTS

C-116
Revised 1-1-65

Operator		County		Type of Test		Completion		Special							
Conoco Inc.		Lea		TEST - (X)		Completion		Special							
Address		Drinkard		TEST - (X)		Completion		Special							
P.O. Box 460, Hobbs, NM 88240		Drinkard		TEST - (X)		Completion		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.
Lockhart B-11	15	J	11	21	37	6-7-84	P	--	9	24	1	40.1	10	110	11,000
Special test for downhole commingling application.															

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.

David A. Smyke
(Signature)
Administrative Supervisor
(Title)
August 17, 1984
(Date)

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116
Revised 1-1-65

Operator Conoco Inc.		County Lea												
Address P. O. Box 460, Hobbs, NM 88240		Pool Blinebry												
LEASE NAME Lockhart B-11 Special test for downhole commingling application.	WELL NO. 15	TYPE OF TEST - (X)		Completion ☐	Special ☒									
		DATE OF TEST 3-1-84	CHOKES SIZE P											
LOCATION		DAILY ALLOW- ABLE	TBG. PRESS.	PROD. DURING TEST	GAS - OIL RATIO CU.FT./BBL.									
U	S					T	R	WATER BBL.	GRAV. OIL	OIL BBL.	GAS M.C.F.			
	J	11	21	37					25	0	40.1	7	87	12,429

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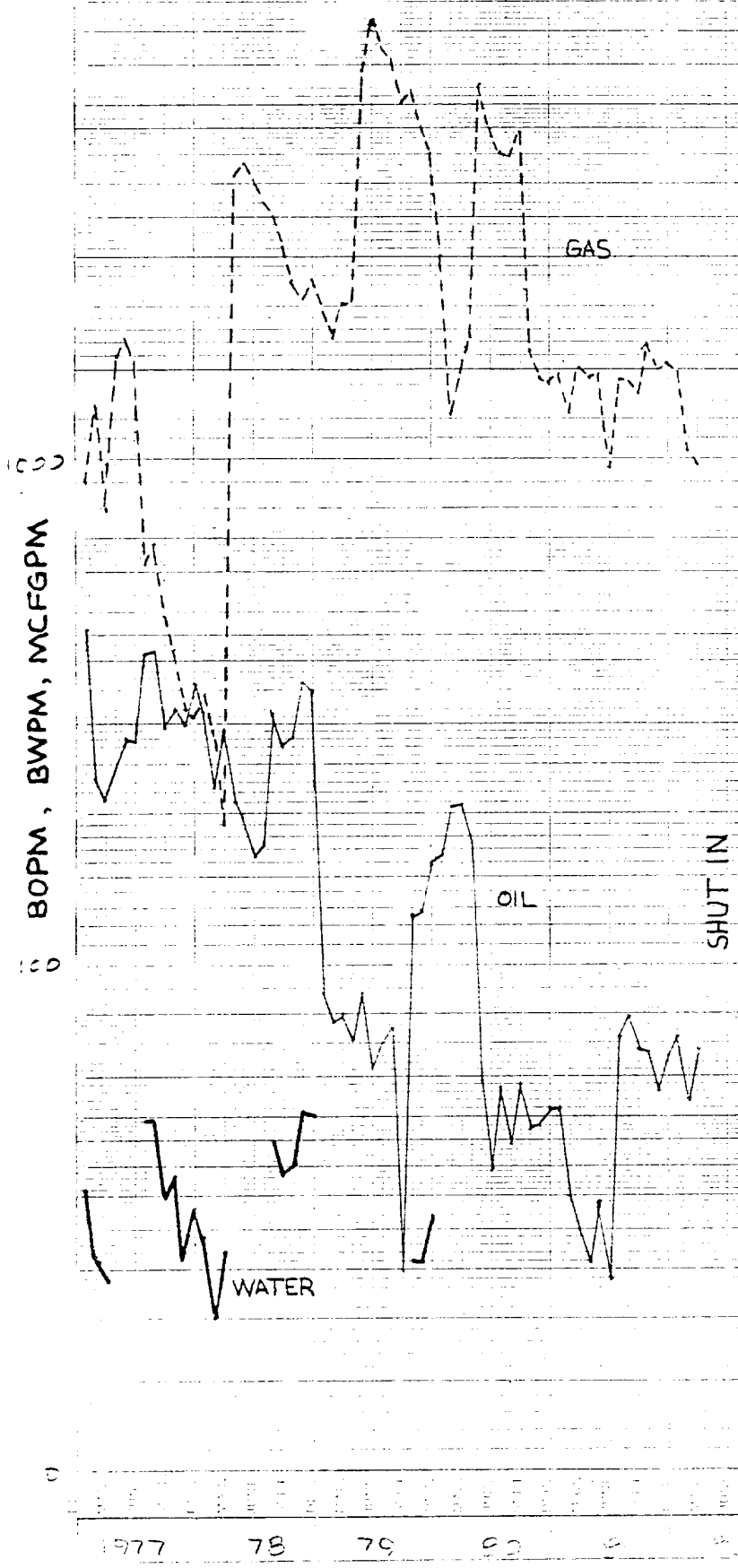
David D. Smyke
(Signature)

Administrative Supervisor
(Title)

August 17, 1984

(Date)

LOCKHART 3-11 NO. 15 ZUNIERY



SHUT IN

OIL

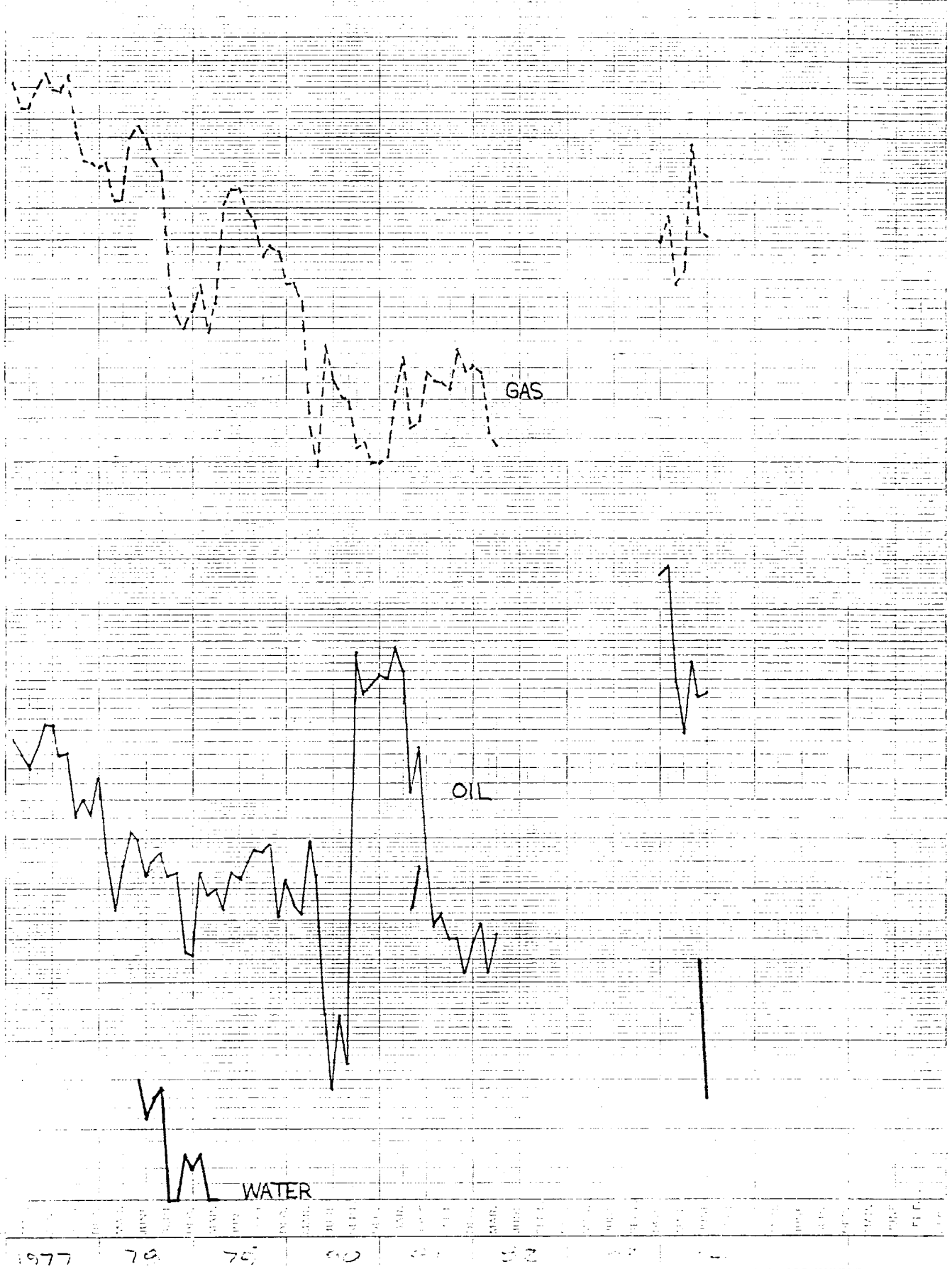
GAS

WATER

BOPM, BWPM, MCFGPM

1977 78 79 80 81 82 83

LOCKHART B-11 NO. 15 DRINKARD



1977 78 79 80 81 82

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AUG 23 1984

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HOBBS OFFICE