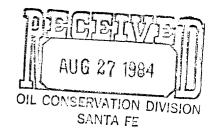


Donald W. Johnson
Division Manager
Production Department
Hobbs Division
North American Production

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>0il</u>	Gas
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: ir

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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NEW MEXICO OIL CONSERVATION COMMISSION GAS-OIL RATIO TESTS

C-116 Revised 1-1-65

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Conoco Inc.			Dı	Drinkard	p.					Lea	23					•
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Special test for downhole commingling application.													,			
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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.

and I Smy

Administrative Supervisor (Tide)

August 17, 1984 (Date)

NEW MEXICO OIL CONSERVATION COMMISSION GAS-OIL RATIO TESTS

Revised 1-1-65 و ا ا

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Administrative Supervisor

(Tide) August 17, 1984

(Date)

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STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION HOBBS DISTRICT OFFICE

August 30, 1984

TONEY ANAYA GOVERNOR POST OFFICE BOX 1980 HOBBS, NEW MEXICO 88240 (505) 393-6161

OIL CONSERVATION DIVISION P. O. BOX 2088					•
SANTA FE, NEW MEXICO 8750	1				
RE: Proposed:					
MC DHC X					
NSLNSP	-				
SWD	^ 				
WFX PMX					
Gentlemen:	·				
I have examined the appli	cation for the:				
Conoco Inc. L	ockhart B-11	No.	15-J	11-21-37	
Operator	ockhart B-11 Lease & Well N	o. Unit	S-T-F	3	
and my recommendations ar	e as follows:				
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Yours very truly,					
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Jerry Sexton		•	3.4	00	۴
Supervisor, District 1			OIL	. Conservation divis	SION
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