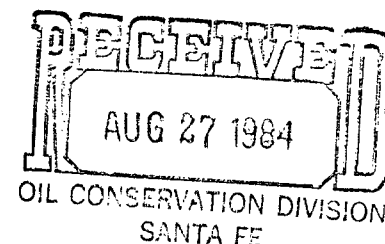




Donald W. Johnson  
Division Manager  
Production Department  
Hobbs Division  
North American Production

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,

  
for Donald W. Johnson

JDC:jr

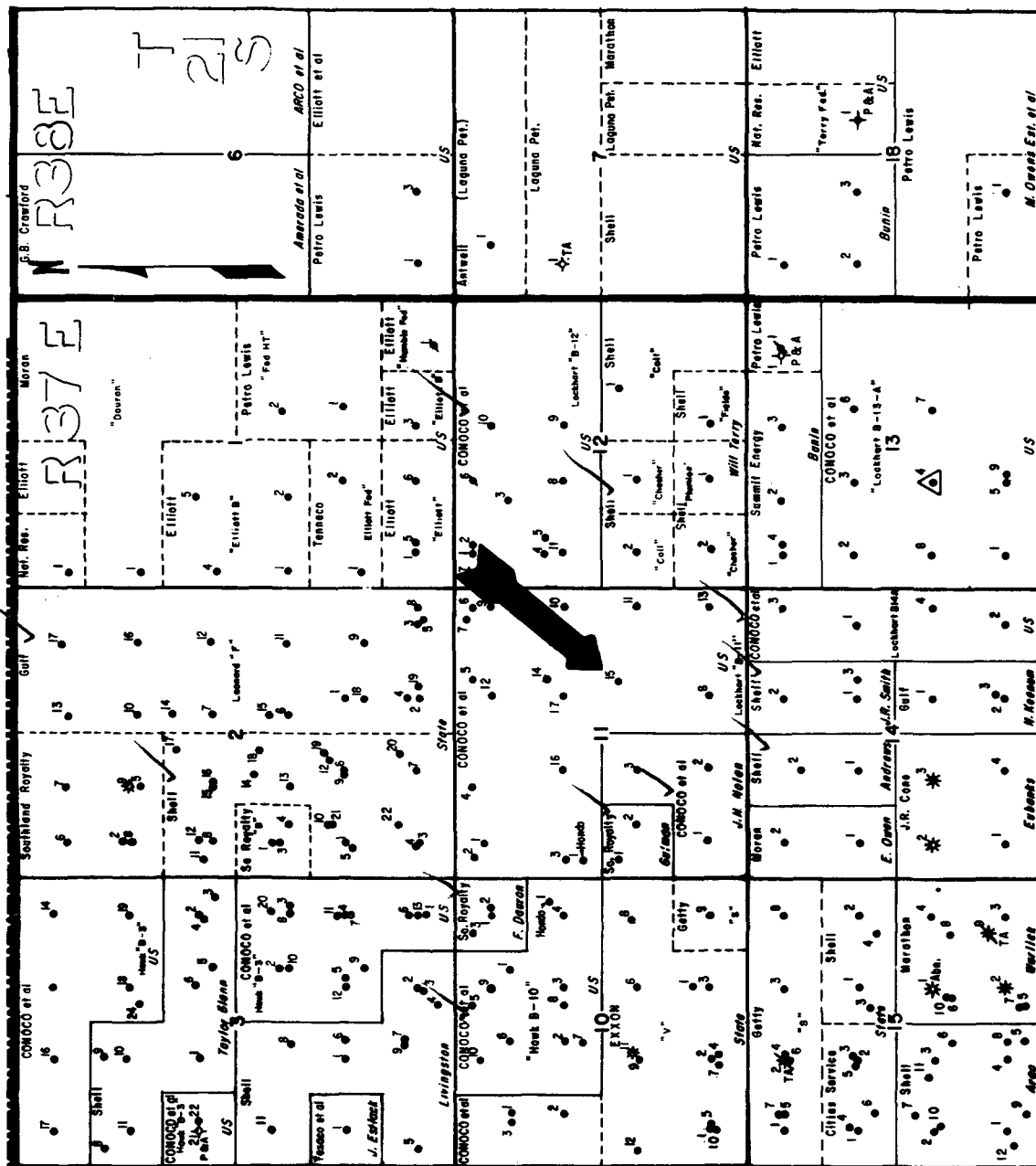
cc: NMOCD-Hobbs

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



**NEW MEXICO OIL CONSERVATION COMMISSION  
GAS-OIL RATIO TESTS**

C-116  
Revised 1-1-65

Operator <b>Conoco Inc.</b>		Pool <b>Drinkard</b>		County <b>Lea</b>											
Address <b>P. O. Box 460, Hobbs, NM 88240</b>		TYPE OF TEST - (X)		Completion <input type="checkbox"/> Spectral <input checked="" type="checkbox"/>											
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU.FT./BBL.		
		U	S	T						R	WATER BBL.S.	GRAV. OIL		OIL BBL.S.	GAS M.C.F.
Lockhart B-11  Special test for downhole commingling application.	15	J	11	21	37	6-7-84	P --	--	9	24	1	40.1	10	110	11,000

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 L. Smylie*  
(Signature)

Administrative Supervisor  
(Title)

August 17, 1984

(Date)

**NEW MEXICO OIL CONSERVATION COMMISSION  
GAS-OIL RATIO TESTS**

C-116  
Revised 1-1-65

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

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.

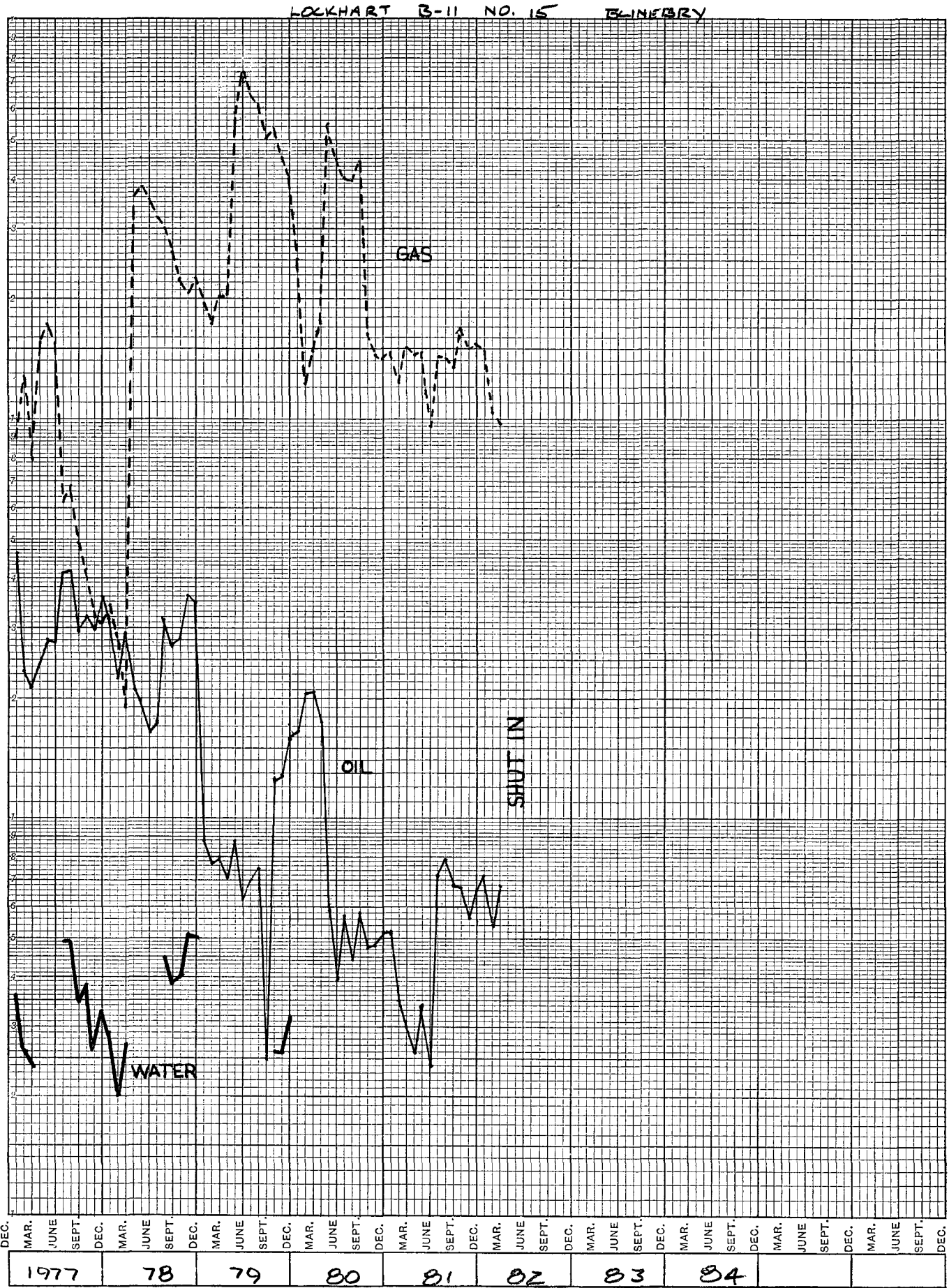
Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

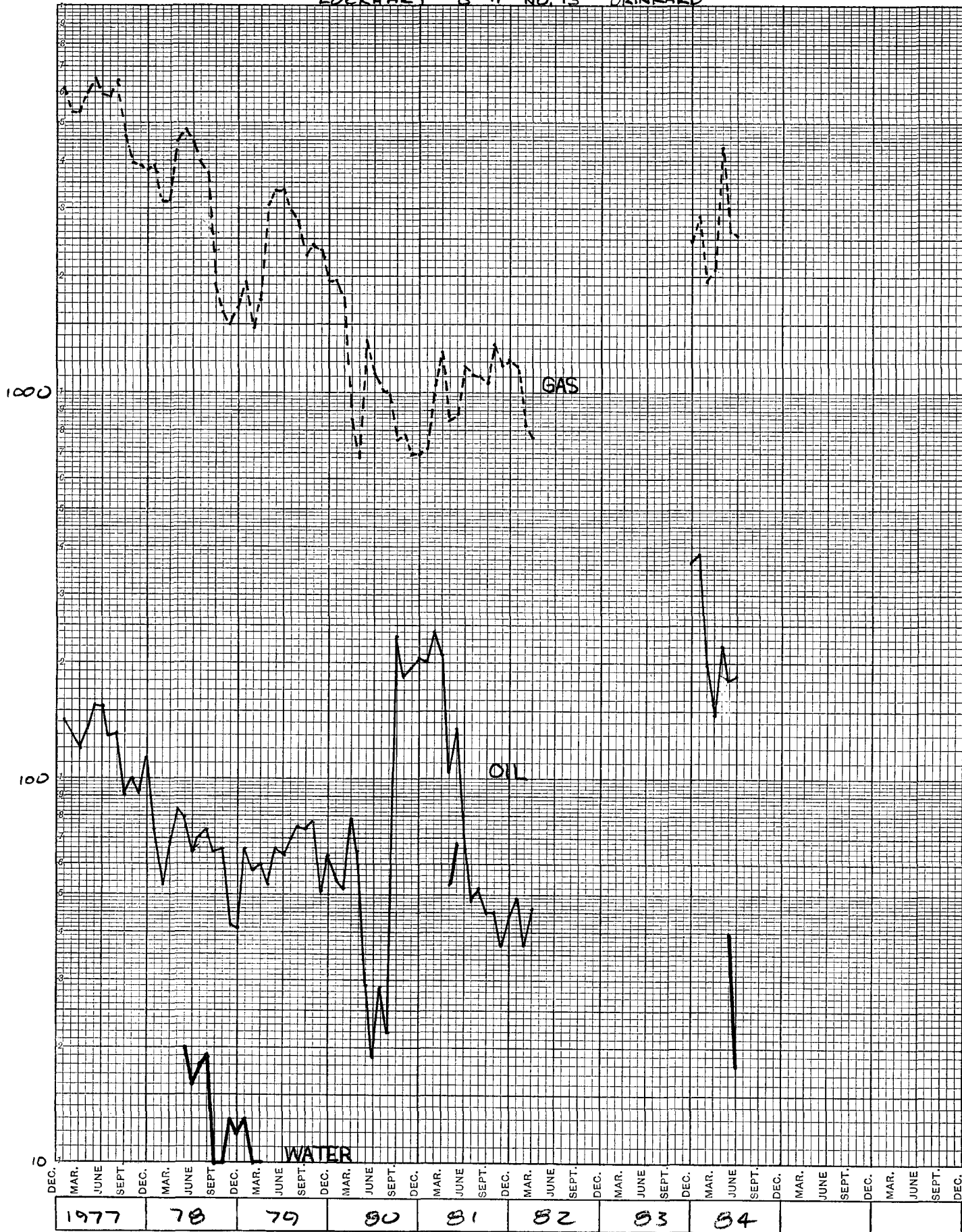
Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

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

  
 (Signature)  
Administrative Supervisor  
 (Title)  
August 17, 1984  
 (Date)



# LOCKHART B-11 NO. 15 DRINKARD







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 87501

RE: Proposed:

MC \_\_\_\_\_  
DHC \_\_\_\_\_ X  
NSL \_\_\_\_\_  
NSP \_\_\_\_\_  
SWD \_\_\_\_\_  
WFX \_\_\_\_\_  
PMX \_\_\_\_\_

Gentlemen:

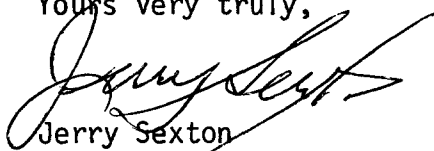
I have examined the application for the:

Conoco Inc.	Lockhart B-11	No. 15-J	11-21-37
Operator	Lease & Well No.	Unit	S-T-R

and my recommendations are as follows:

O.K.----J.S.

Yours very truly,

  
Jerry Sexton  
Supervisor, District 1

/mc

OIL CONSERVATION DIVISION

SEP 04 1984

RECEIVED