



NMOC D-Hobbs

R. E. Irelan
Division Manager
Production Department
Hobbs Division
North American Production

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

November 16, 1987

Mr. Bill LeMay, Director
New Mexico Oil Conservation Division
P.O. Box 2088
Santa Fe, NM 87504-2088

Dear Mr. LeMay:

Application to Downhole Commingle Lockhart A-35 No. 3, Unit C, Section 35, T-21S, R-37E, Lea County, New Mexico

Conoco Inc. respectfully requests approval to downhole commingle the Blinebry Oil and Gas, Drinkard, and Tubb Oil and Gas pools in the Lockhart A-35 No. 3.

Additional data relative to this commingling is listed below:

1. A lease plat is attached showing the location of this well.
2. C-116's are included providing a test for each zone.
3. Decline curves for each horizon are attached.
4. Estimated shut-in bottomhole pressures are 1200 psia for the Blinebry (estimated from static fluid level in the Lockhart A-35 No. 1), 667 psia for the Tubb (estimated from static fluid level in the Lockhart B-35 No. 1), and 268 psia for the Drinkard (measured 10/29/87 in the Lockhart A-35 No. 1). All zones require artificial lift to remove liquids.
5. Ownership of interest in all formations is the same.
6. The quality of crude is identical and commingling will not reduce the commercial value. All production is sweet Tier II oil. The value of the crude is as follows:

<u>Zone</u>	<u>Gravity</u>	<u>Value Per Barrel</u>
Blinebry Oil & Gas	36.9	\$18.92
Drinkard	36.9	\$18.92
Tubb Oil & Gas	36.9	\$18.92

Mr. Bill LeMay
Page 2
November 16, 1987

7. The following allocation percentages are suggested based upon the ratio of production from each zone:

	<u>Oil</u>	<u>Gas</u>
Blinebry Oil & Gas	53%	61%
Drinkard	20%	8%
Tubb Oil & Gas	27%	31%

8. By copy of this letter, we are notifying the Bureau of Land Management and the offset operators of this proposed commingling.

Yours very truly,


R. E. Ireland
Division Manager

COY:ajh

Enclosure

cc: BLM - Carlsbad
Bravo Energy - Hobbs
Exxon - Houston
ARCO - Midland

[illegible]

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

C-116
Revised 1-1-65
C-116
Revised 1-1-65

Operator		Pool		County		Lea									
Conoco Inc.		Blinebry Oil & Gas		Corrected		Completion ☐ Special ☐									
Address		P.O. Box 460, Hobbs, New Mexico 88240		TYPE OF TEST - (X)		Corrected									
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 BBLs.	GRAV. OIL BBLs.	OIL BBLs.	GAS M.C.F.	
Lockhart A-35	3	C	35	21S	37E	10-7-86	P			24	0	38.2	8	389	48,625

NOTE: The corrected gas-oil ratio test on the above well should allow the well to continue to qualify as an oil well.

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)
October 30, 1986

C-116
Revised 1-1-65

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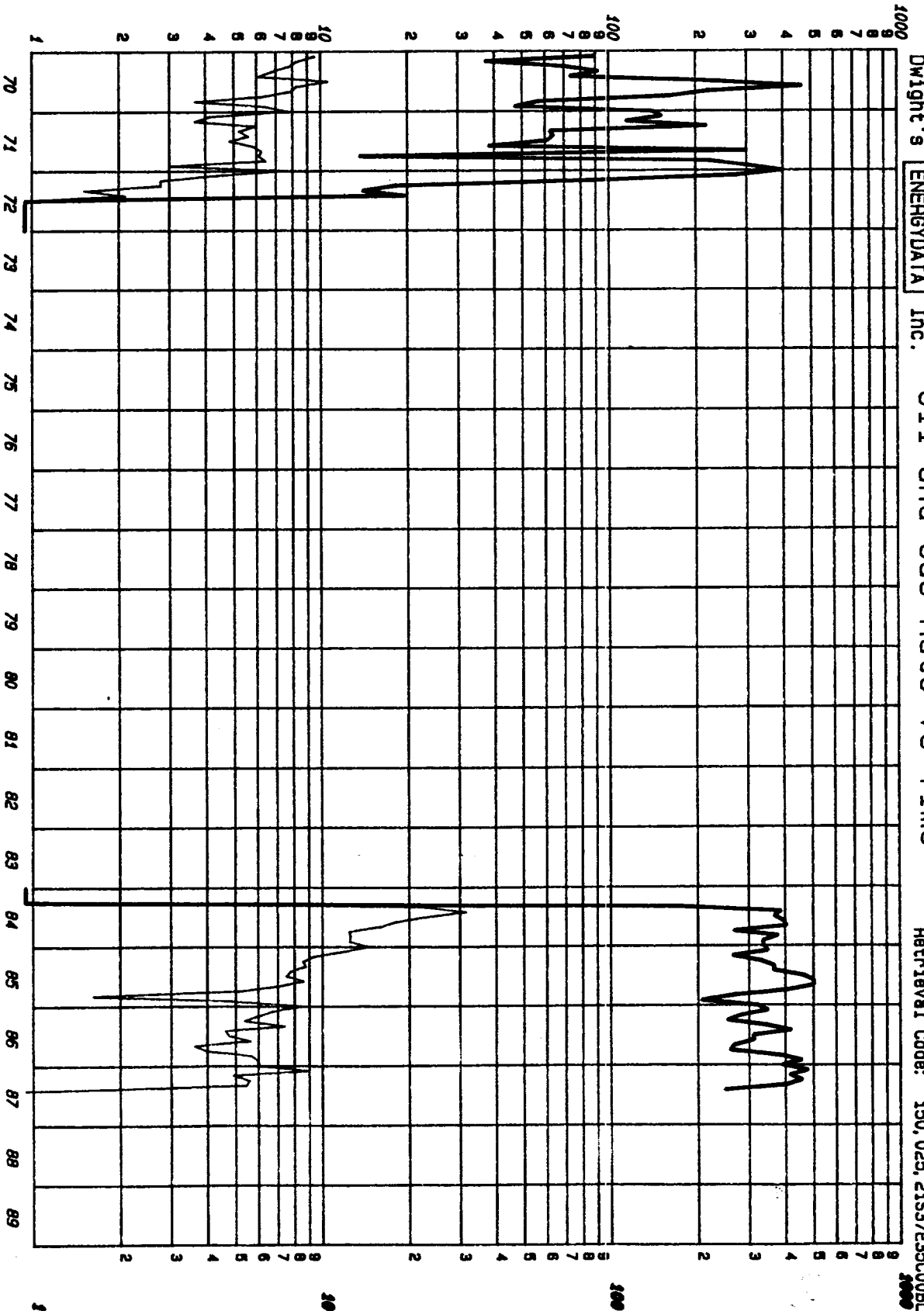
November 16, 1987

(Date)

DAILY OIL PRODUCTION

(BBL/DAY)

LEGEND	
OIL	—
GAS	—



Dwight's ENERGYDATA Inc.

Oil and Gas Rate vs Time

Retrieval Code: 150, 025, 21S37E35C00BL

Lease: LOCKHART A 35
 Well #: 000003
 Operator: CONOCO INC
 Field: BLINBRY OIL AND GAS
 Reservoir:
 County: LEA NM
 Location: 35 21S 37E

BL

DAILY GAS PRODUCTION

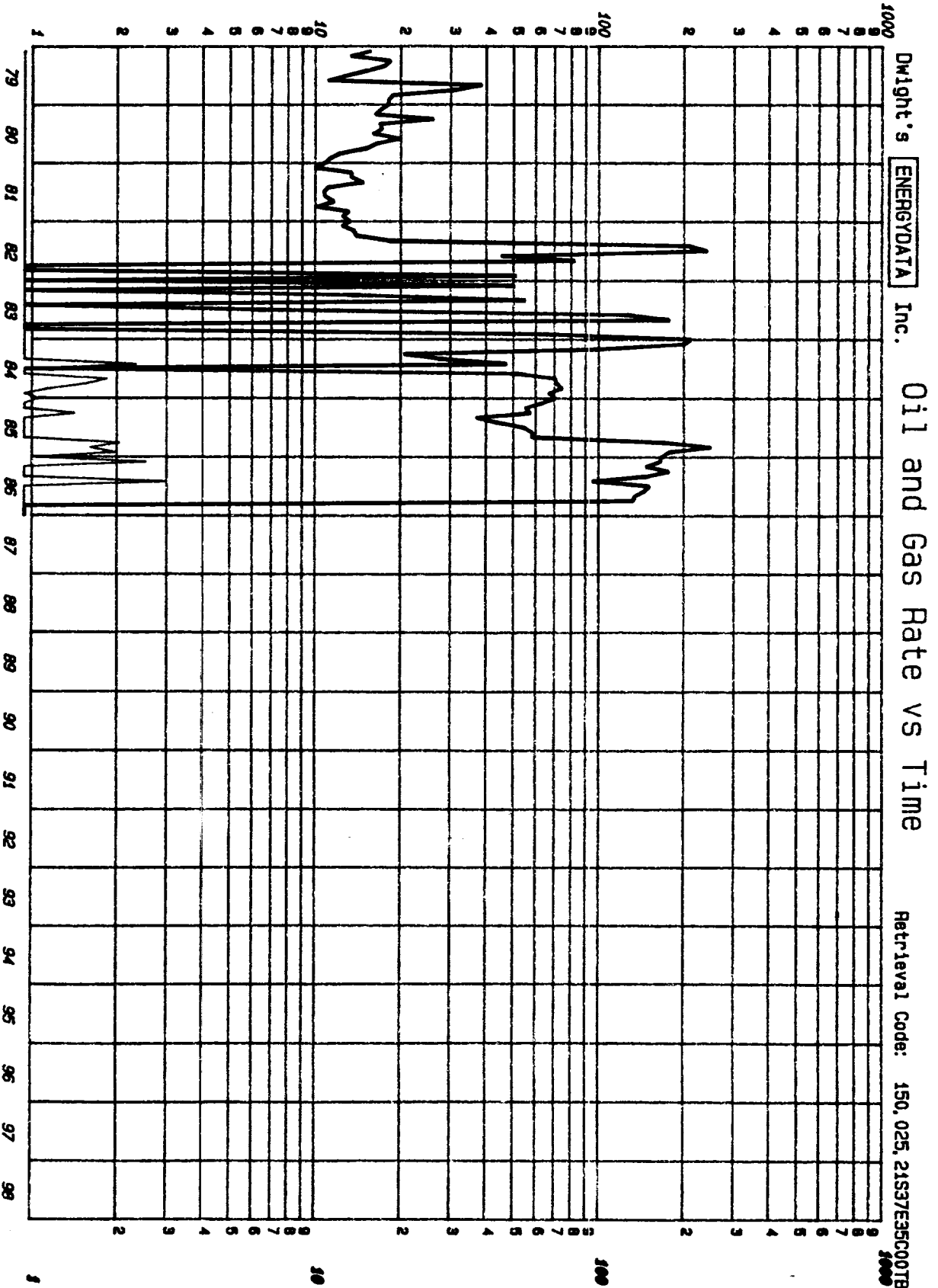
(MCF/DAY)

Date: 10-20-87

DAILY OIL PRODUCTION

(BBL/DAY)

LEGEND	
OIL	—
GAS	—



DAILY GAS PRODUCTION

(MCF/DAY)

Lease: LOCKHART A 35
 Well # 000003
 Operator: CONOCO INC
 Field: TUBB OIL AND GAS
 Reservoir:
 County: LEA
 Location: 35 21S 37E NW

TB

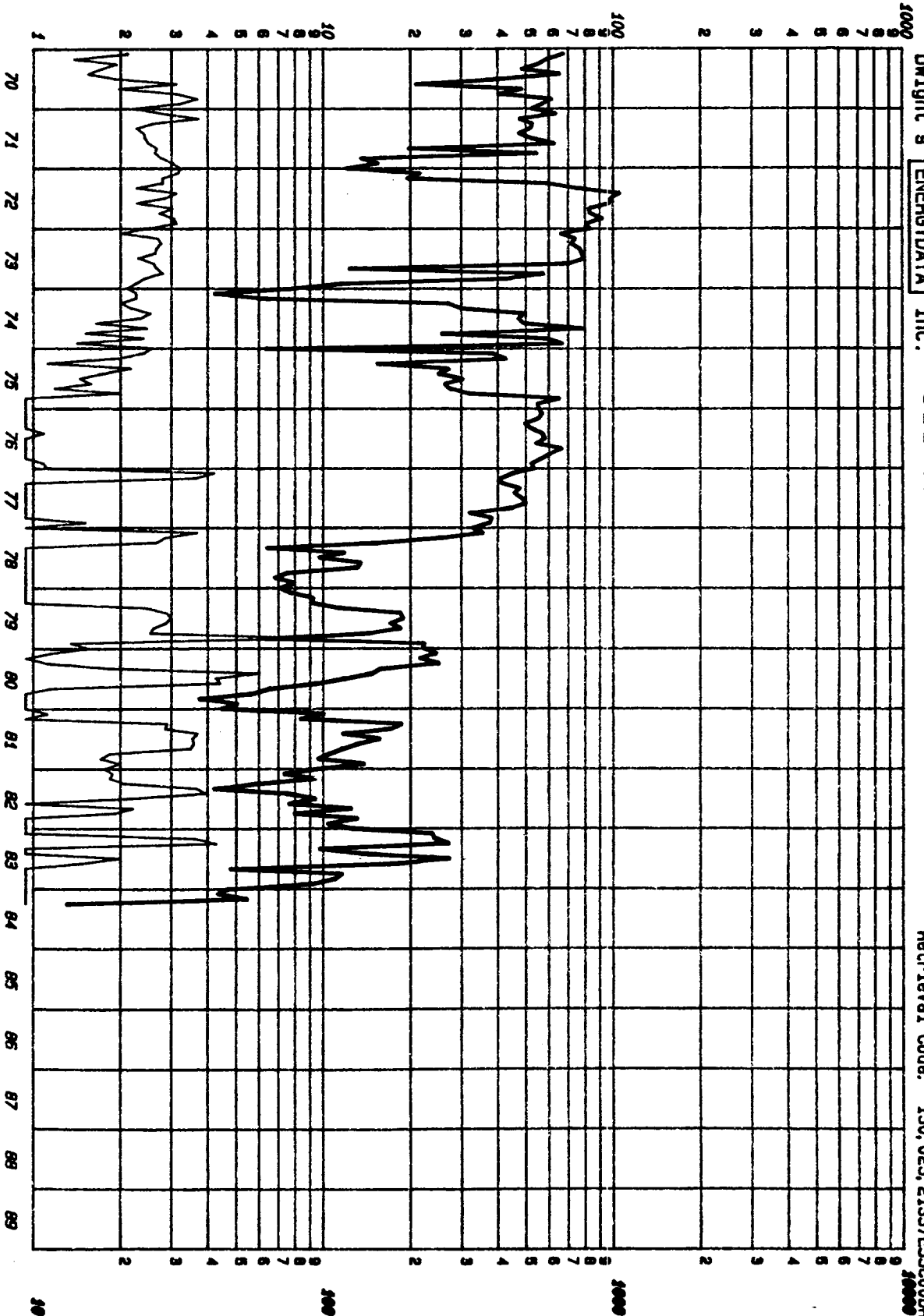
Date: 10-20-87

DAILY OIL PRODUCTION

(BBL/DAY)

Dwight's **ENERGYDATA** Inc. Oil and Gas Rate vs Time

Retrieval Code: 150, 025, 21S37E35C00R



DAILY GAS PRODUCTION

(MCF/DAY)

LEGEND

OIL

GAS

Lease: LOCKHART A 35
Well # 000003
Operator: CONOCO INC
Field: DRINKARD
Reservoir:

County: LEA
Location: 35 21S 37E NW

DR

Date: 10-20-87