



Midland Division
Exploration and Production

Conoco Inc.
10 Desta Drive West
Midland, TX 79705-4514
(915) 686-5400

REGISTRATION DIVISION
100
91 JAN 9 AM 9 49

January 7, 1991

State of New Mexico
Energy & Minerals Department
Oil Conservation Division
P.O. Box 2088
Santa Fe, NM 87504-2088

Dear Sir:

Application to Downhole Commingle Warren
Unit No. 42, Unit I, Section 27, T-20S,
R-38E, Lea County, New Mexico

Conoco Inc. respectfully requests approval to downhole commingle the Blinebry Oil & Gas and the Warren Tubb pools in the Subject well.

Additional data and attachments relative to this commingling is listed below:

1. A lease plat is attached showing the well location.
2. C-116's are attached providing a test for each zone.
3. Decline curves for the Blinebry and the Warren Tubb are attached.
4. Estimated shut-in bottomhole pressures are 1280 psi for the Blinebry and 1130 psi for the Tubb (estimated from static fluid levels).
5. Ownership of interest in both formations is the same.
6. The quality of crude is identical (40.4 degree API) and commingling will not reduce the commercial value. Production from both zones is sweet oil and the value is identical.
7. The following allocation percentages are suggested based upon the ratio of production from each zone:

	<u>Oil</u>	<u>Gas</u>	<u>Water</u>
Blinebry Oil & Gas	8%	12%	100%
Warren Tubb	92%	88%	0%

8. By copy of this letter, we are notifying the Bureau of Land Management of this proposed commingling. Conoco is the only offset operator to this well.

Yours very truly,

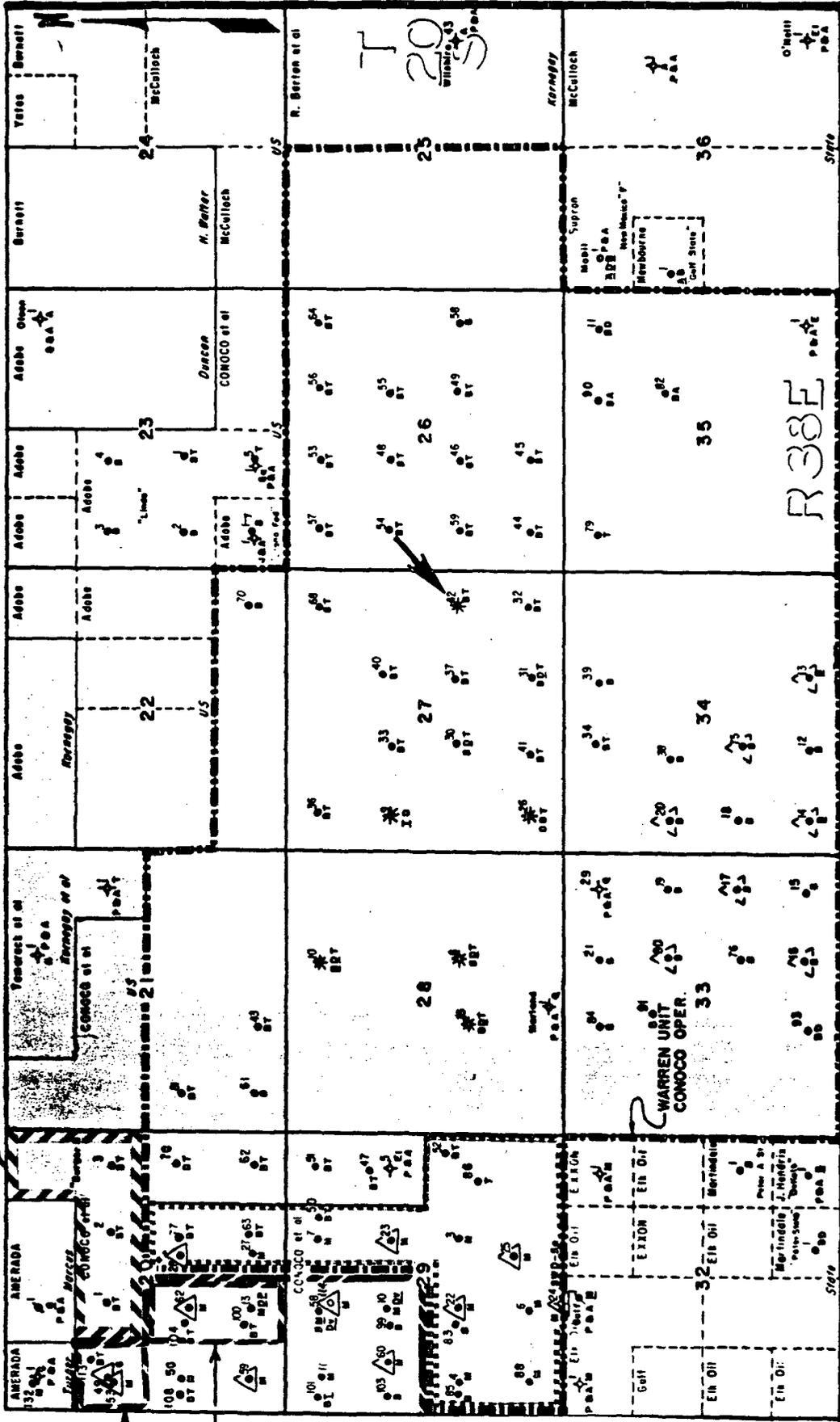
Jerry W. Hoover
Regulatory Coordinator

JWH/tm

cc: BLM - Carlsbad

BURGER B-20

SEMU TUBB A



PRODUCTION DEPARTMENT

CONOCO

MOBES DIVISION

OWNERSHIP & COMPLETION MAP

LEA COUNTY, NEW MEXICO

SCALE 1" = 1000'

RFL

- LEGEND —
- Abo
 - Blinbrey
 - Drinkard
 - Deventen
 - Ellenburger
 - Grayburg
 - Glerlets
 - McKee
 - Paddock
 - Queen
 - Simpson
 - San Andres
 - Tubb
 - St, TA, Or ZA.
 - ▲ PROPOSED INJECTOR

Submit 2 copies to Appropriate District Office.

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240
DISTRICT II
P.O. Drawer DD, Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-116
Revised 1/1/89

GAS - OIL RATIO TEST

Operator		Pool		County											
Conoco Inc.		Warren Tubb		Lea											
Address		TYPE OF TEST - (X)		Completion		Special									
P.O. Box 460, Hobbs, NM 88240		<input checked="" type="checkbox"/> $\frac{2}{2}$ <input type="checkbox"/> $\frac{1}{1}$ <input type="checkbox"/> $\frac{1}{1}$		<input type="checkbox"/>		<input checked="" type="checkbox"/>									
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKESIZE	T.B.G. PRESS.	DAILY ALLOWABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU.FT/BBL.		
		U	S	T						R	WATER BBL.	GRAV. OIL		OIL BBL.	GAS M.C.F.
Warren Unit	42	I	27	20S	38E	8/11/90	F	Open	50	24	0	40.4	12	132	11,000

Instructions:

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 Division.
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.

(See Rule 301, Rule 1116 & appropriate pool rules.)

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

Signature
Jerry W. Hoover Regulatory Coordinator
Printed name and title
1/7/91 (915) 686-6548
Date Telephone No.

Submit 2 copies to Appropriate District Office.
DISTRICT I
 P.O. Box 1980, Hobbs, NM 88240
DISTRICT II
 P.O. Drawer DD, Artesia, NM 88210
DISTRICT III
 1000 Rio Brazos Rd., Aztec, NM 87410

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 Energy, Minerals and Natural Resources Department
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 P.O. Box 2088
 Santa Fe, New Mexico 87504-2088

Form C-116
 Revised 1/1/89

GAS - OIL RATIO TEST

Operator		Pool		County										
Conoco Inc.		Blinebry Oil & Gas		Lea										
Address		TYPE OF TEST - (X)		Completion										
P.O. Box 460, Hobbs, NM 88240		<input type="checkbox"/> Scheduled <input checked="" type="checkbox"/> Special		<input type="checkbox"/> Special <input checked="" type="checkbox"/> X										
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 BBL.	GRAV. OIL		OIL BBL.
Warren Unit	42	I	27	20S	38E	10/18/90	P		24	1	40.4	1	28	28,000

Instructions:

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 Division.
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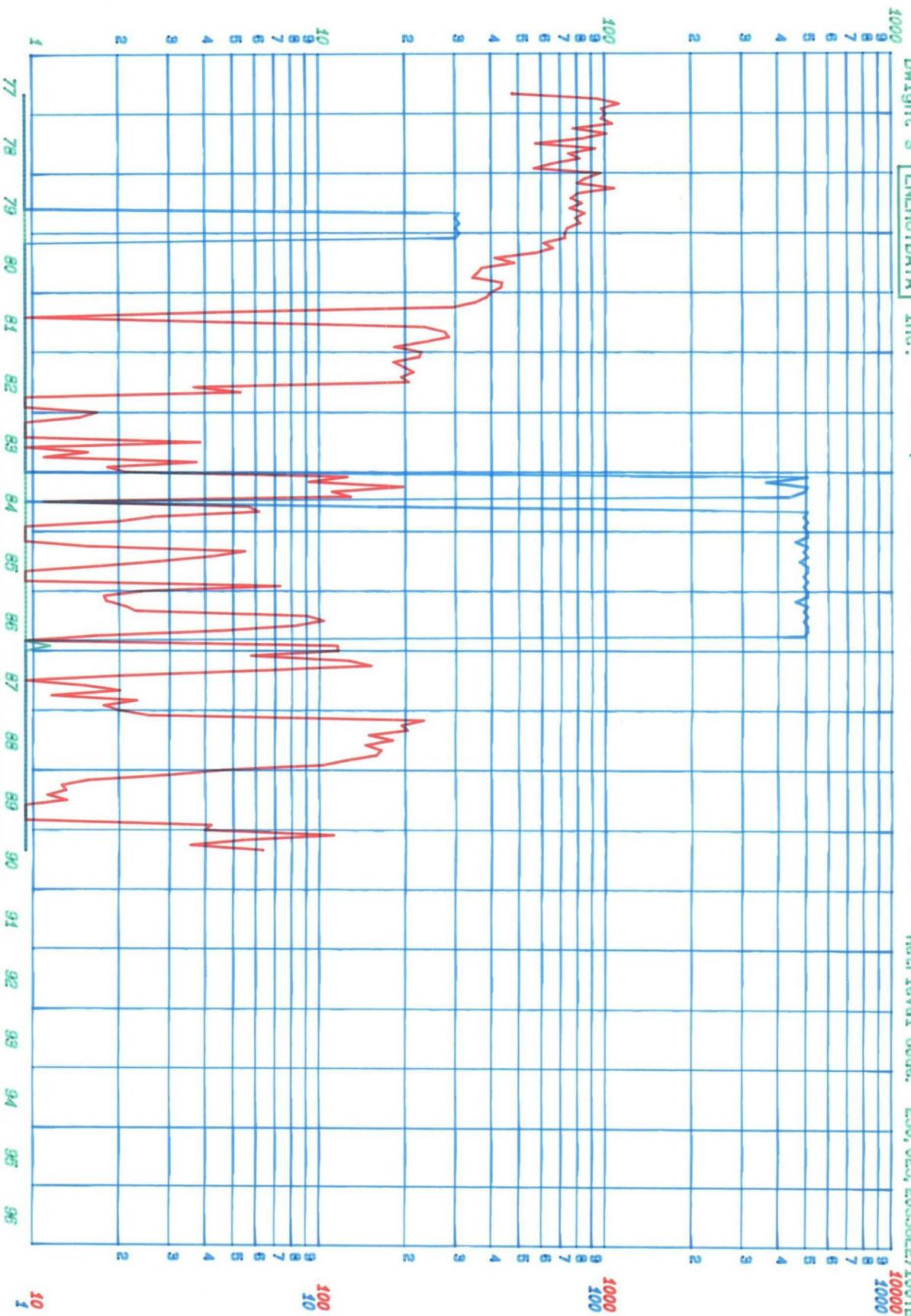
Signature
 Jerry W. Hoover Regulatory Coordinator
Printed name and title
 1/7/91
Date
 (915) 686-6548
Telephone No.

(See Rule 301, Rule 1116 & appropriate pool rules.)

DAILY OIL PRODUCTION (BBL/DAY)

Dwight's ENERGYDATA Inc. Oil, Gas and Water vs Time

Retrieval Code: 250, 025, 20338E27100TB



LEGEND

- OIL ———
- GAS ———
- WATER ———

Lease: WARREN UNIT
 Well #: 000042
 Operator: CONOCO INC
 Field: WARREN TUBB (GAS)
 Reservoir: LEA
 County: LEA
 Location: 27 20S 38E NM

TB

Date: 09-12-90

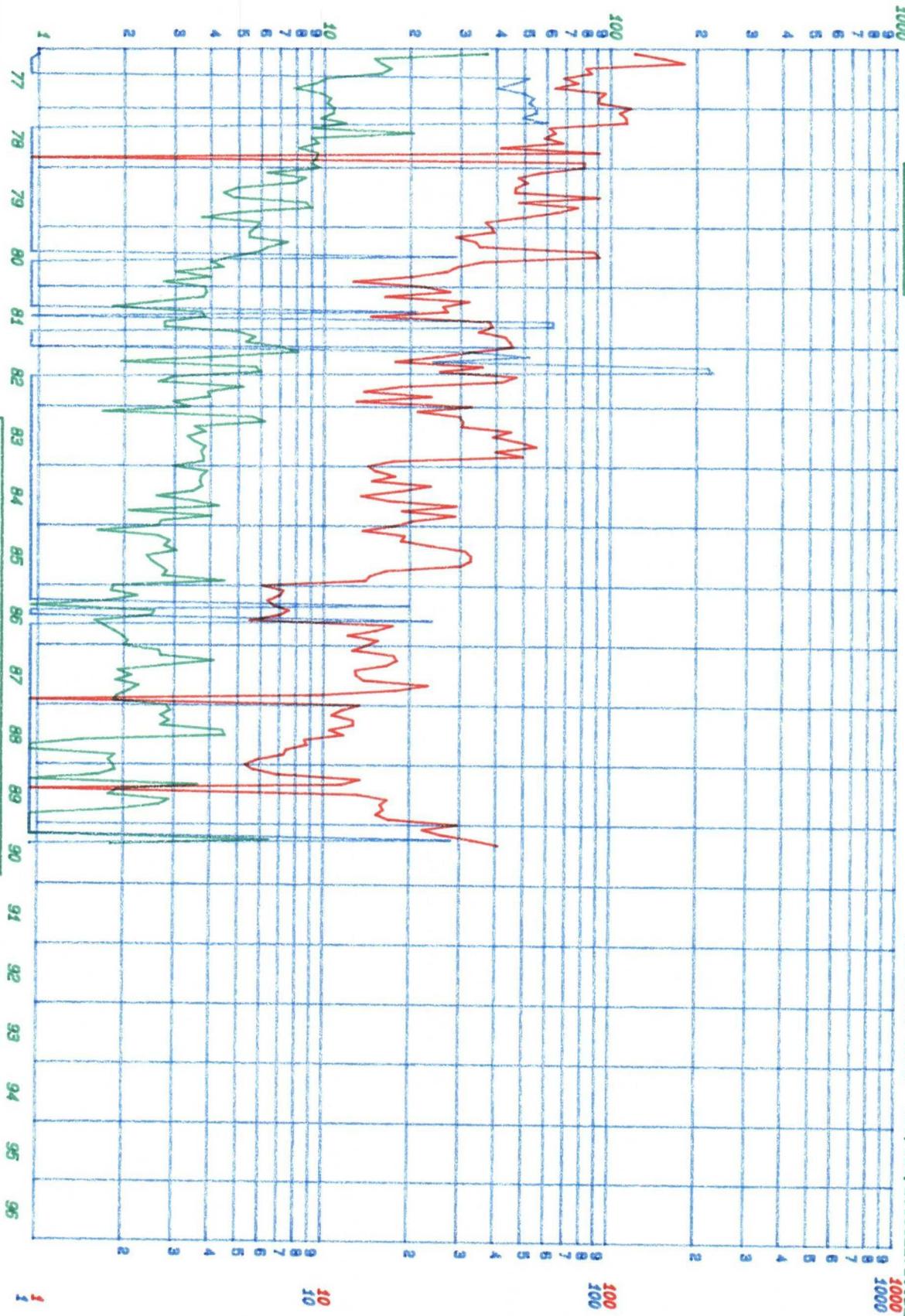
WATER (BBL/MO) DAILY GAS PRODUCTION (MCF/DAY)

DAILY OIL PRODUCTION (BBL/DAY)

Dwight's ENERGYDATA Inc.

Oil, Gas and Water vs Time

Retrieval Code: 150, 025, 20538E27100BL



LEGEND

OIL — (Red line)

GAS — (Green line)

WATER — (Blue line)

Lease: WARREN UNIT BLINEBRY BATTERY 1

Well #: 000042

Operator: CONOCO INC

Field: BLINEBRY OIL AND GAS

Reservoir:

County: LEA NM

Location: 27 20S 38E

BL

Date: 09-12-90

WATER (BBL/MO) DAILY GAS PRODUCTION (MCF/DAY)



GARREY CARRUTHERS
GOVERNOR

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

OIL CONSERVATION DIVISION
RECEIVED

'91 FEB 12 AM 8 37

2-7-91

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
(505) 393-6161

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RE: Proposed:

- MC _____
- DHC _____
- NSL _____
- NSP _____
- SWD _____
- WFX _____
- PMX _____

Gentlemen:

I have examined the application for the:

Conoco Inc. Warren Unit Tubb + Blenby #42-I
 Operator Lease & Well No. Unit S-T-R 27-20-38

and my recommendations are as follows:

OK

Yours very truly,

Jerry Sexton
 Jerry Sexton
 Supervisor, District 1

/ed