



Midland Division
Exploration and Production

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

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,

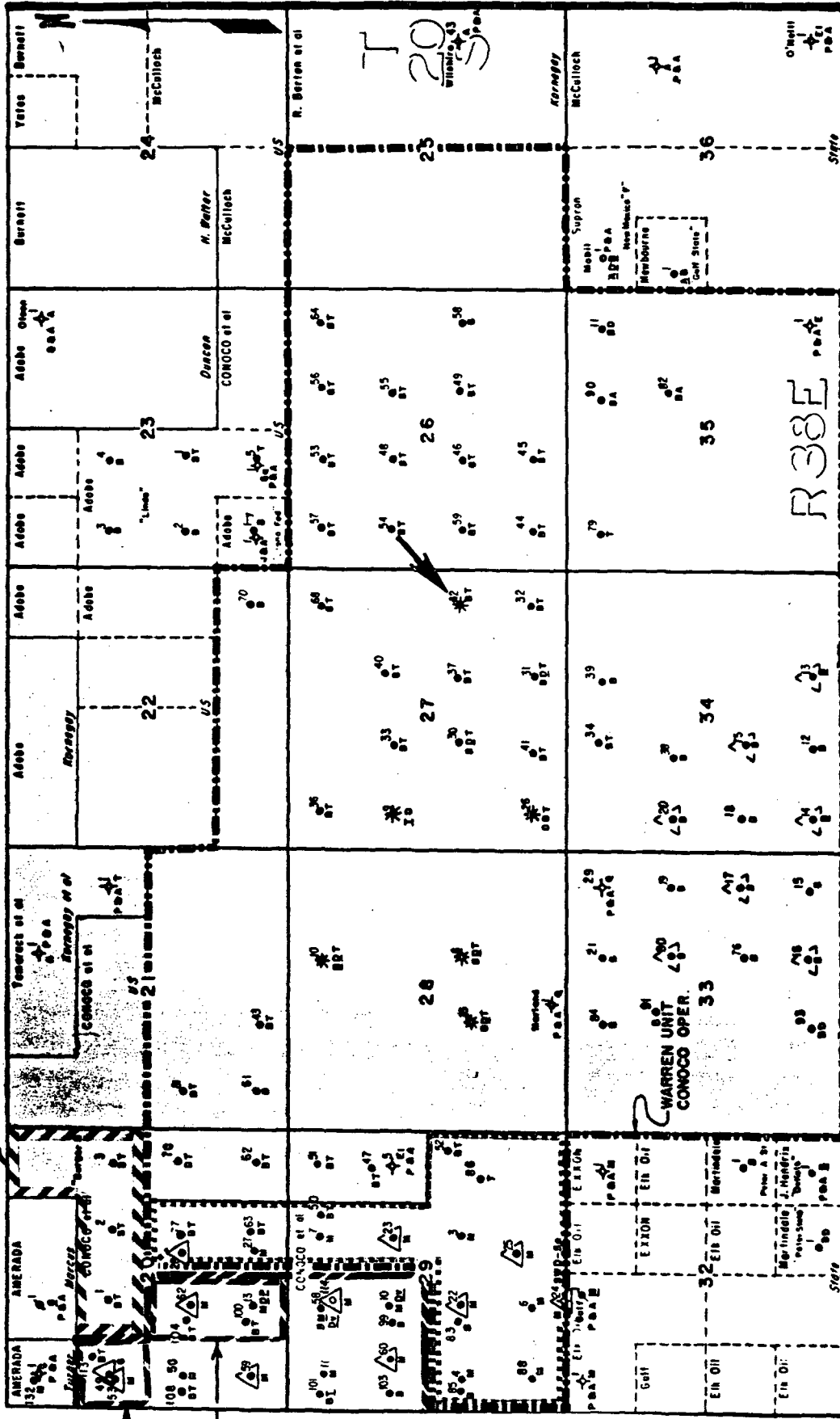
Jerry W. Hoover
Regulatory Coordinator

JWH/tm

cc: BLM - Carlsbad

BURGER B-20

SEMU TUBB A



— LEGEND —

- | | |
|---------------|---------------------|
| • Abo | • McKee |
| • Blinbry | • Paddock |
| • Drinkard | • Queen |
| • Devenlen | • Simpson |
| • Ellenburger | • San Andres |
| • Grayburg | • Tubb |
| • Glorieta | • SI, TA, Or ZA. |
| | • PROPOSED INJECTOR |

PRODUCTION
DEPARTMENT

CONOCO

HOBBS
DIVISION

OWNERSHIP & COMPLETION MAP

LEA COUNTY, NEW MEXICO

SCALE
0 1000' 2000'

NFL

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

Form C-116
Revised 1/1/89

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

GAS - OIL RATIO TEST

Operator Conoco Inc.		Pool Warren Tubb		County Lea																
Address P.O. Box 460, Hobbs, NM 88240		TYPE OF TEST - (X)		SCHEDULED <input type="checkbox"/> 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.	GRAV. OIL		OIL BBL.	GAS MCF.					
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

Form C-116
Revised 1/1/89

OIL CONSERVATION DIVISION

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

GAS - OIL RATIO TEST

Operator Conoco Inc.		Pool Blinebry Oil & Gas		County Lea											
Address P.O. Box 460, Hobbs, NM 88240		TYPE OF TEST - (X)		Completion <input type="checkbox"/> Scheduled <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		
		U	S	T						R	WATER BBLs.	GRAV. OIL	OIL BBLs.	GAS M.C.F.	CU.FT/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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Jerry W. Hoover Regulatory Coordinator

Printed name and title

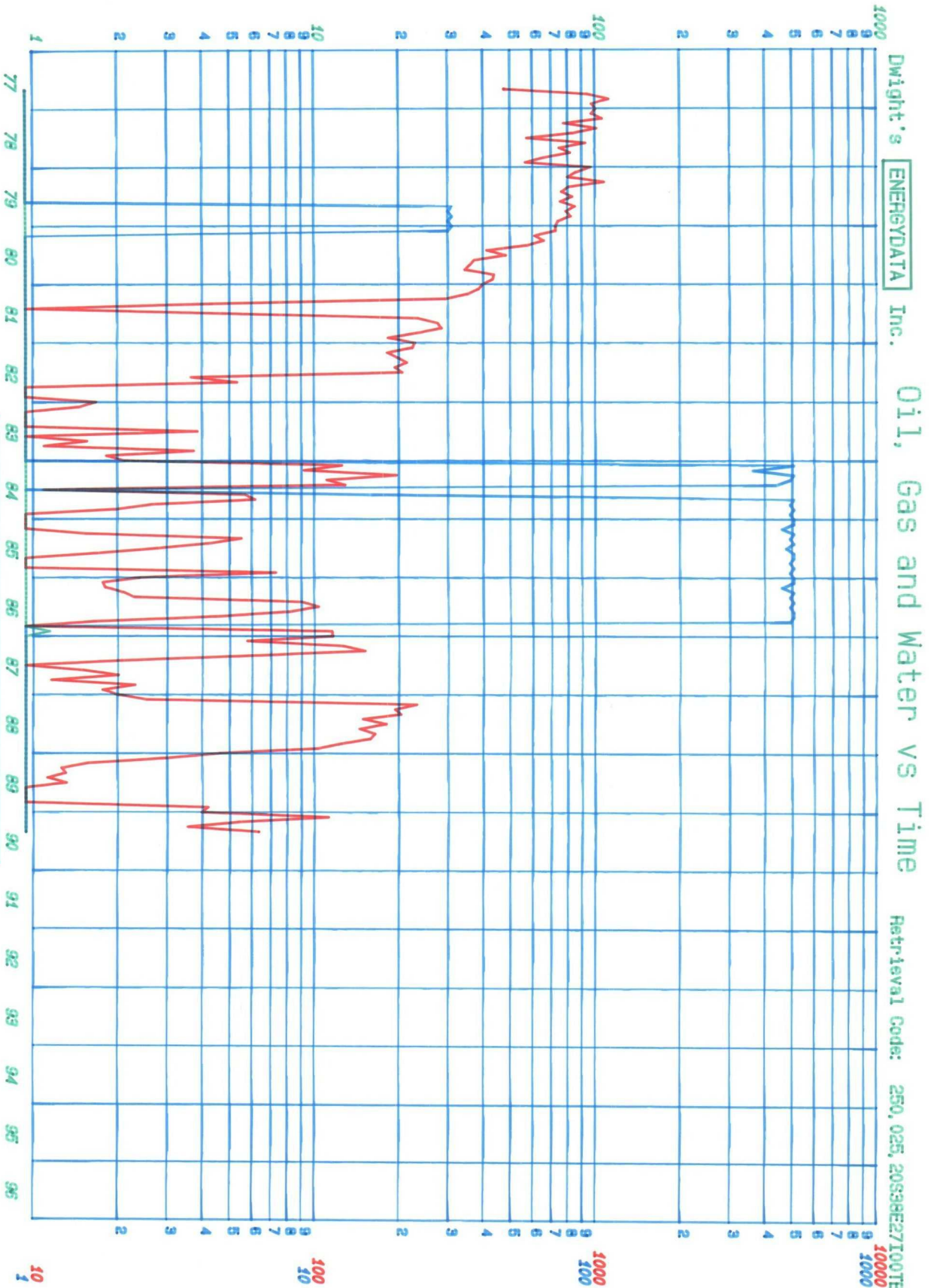
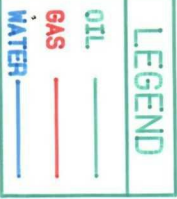
1/7/91

Date

(915) 686-6548

Telephone No.

DAILY OIL PRODUCTION (BBL/DAY)



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

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

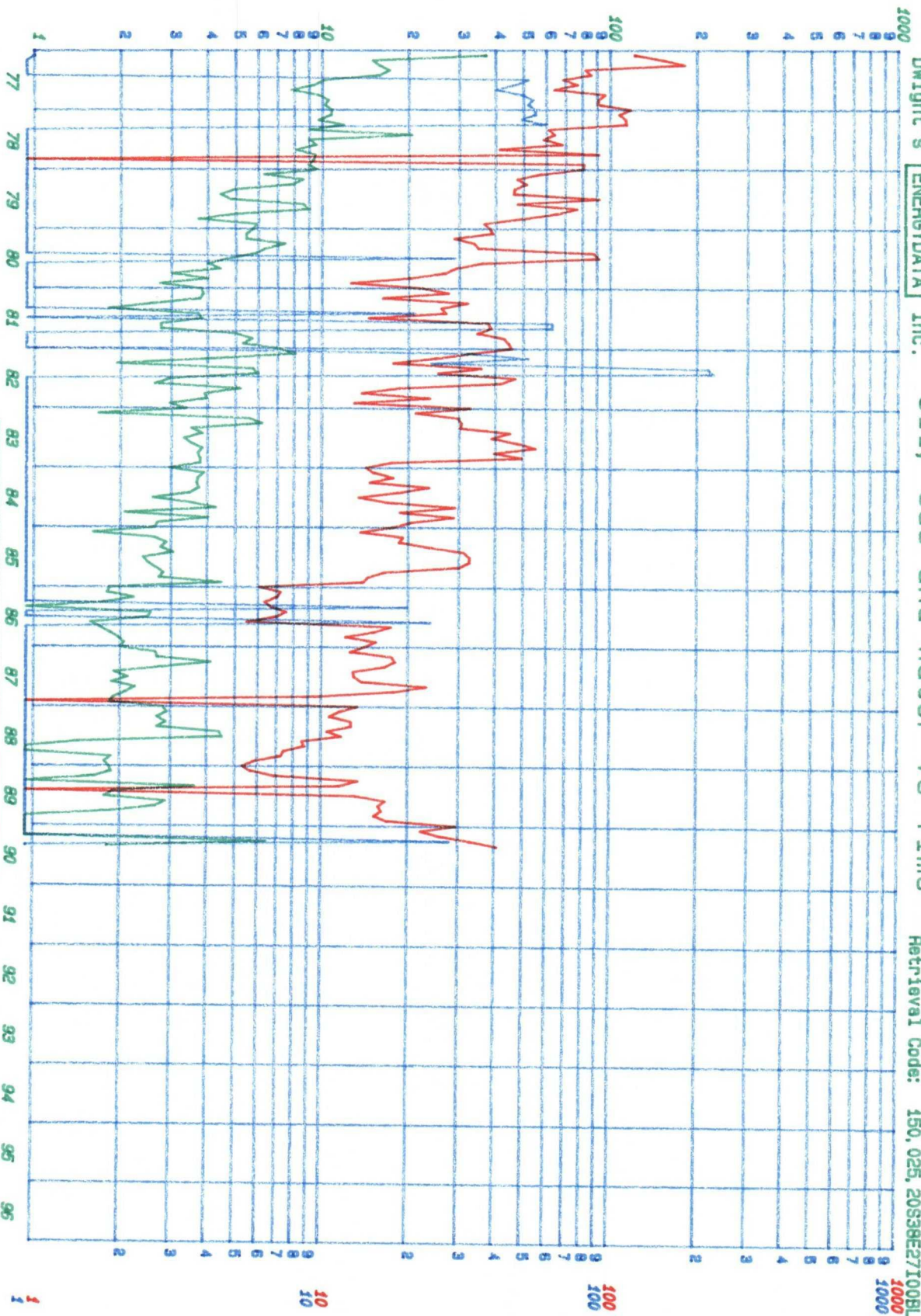
TB

Date: 09-12-90

DAILY OIL PRODUCTION (BBL/DAY)

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

Retrieval Code: 150, 025, 20538E27100BL



WATER (BBL/MO)

DAILY GAS PRODUCTION

(MCF/DAY)

LEGEND

OIL —
GAS —
WATER —

Lease: WARREN UNIT BLINBRY BATTERY 1

Well # 000042

Operator: CONOCO INC

Field: BLINBRY OIL AND GAS

Reservoir:

County: LEA

Location: 27 20S 38E

NM

BL

Date: 09-12-90



GARREY CARRUTHERS
GOVERNOR

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

2-7-91

'91 FEB 12 AM 8 37

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	_____X_____
NSL	_____
NSP	_____
SWD	_____
WFX	_____
PMX	_____

Gentlemen:

I have examined the application for the:

Conoco Inc. Warren Unit Tubb + Blenbury #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