



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

GARREY CARRUTHERS
GOVERNOR

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

DHC-788

RE: Proposed:

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

Gentlemen:

I have examined the application for the:

Conoco Inc. Warren Unit Tubb + Blenbury #42-T
Operator Lease & Well No. Unit S-T-R 27-30-38

and my recommendations are as follows:

OK

Yours very truly,

Jerry Sexton
Supervisor, District 1

/ed



Midland Division
Exploration and Production

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

EXPLORATION DIVISION

FD

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.

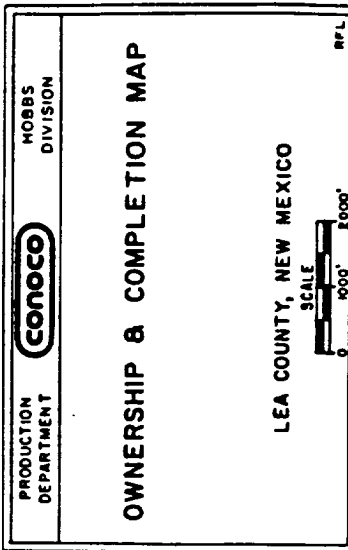
Yours very truly,

Jerry W. Hoover
Regulatory Coordinator

JWH/tm

cc: BLM - Carlsbad

SEMU TUBB A



— LEGEND —

- | | | | |
|-------|-------------|-------|----------------|
| • 1 | Abo | • 1 | McKee |
| • 2 | Bilnebry | • 2 | Paddock |
| • 3 | Drinkard | • 3 | Queen |
| • 4 | Devenlen | • 4 | Simpson |
| • 5 | Ellenburger | • 5 | San Andres |
| • 6 | Grayburg | • 6 | Tubb |
| • 7 | Merlefa | • 7 | SI, TA, Or ZA. |
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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)		Completion ☐ Scheduled ☐ Special ☒											
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 BBL.S.	GRAV. OIL	OIL BBL.S.	GAS MCF.	CU.FT/BBL.
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.

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DISTRICT I
P.O. Box 1980, Hobbs, NM 88240
DISTRICT II
P.O. Drawer DD, Artesia, NM 88210
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P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-116
Revised 1/1/89

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Address P.O. Box 460, Hobbs, NM 88240		TYPE OF TEST - (X)		SCHEDULED ☐ COMPLETION ☐ SPECIAL ☒											
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		OIL BBLs.	GAS MCF.
Warren Unit	42	I	27	20S	38E	10/18/90	P			24	1	40.4	1	28	28,000

Instructions:

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1/7/91

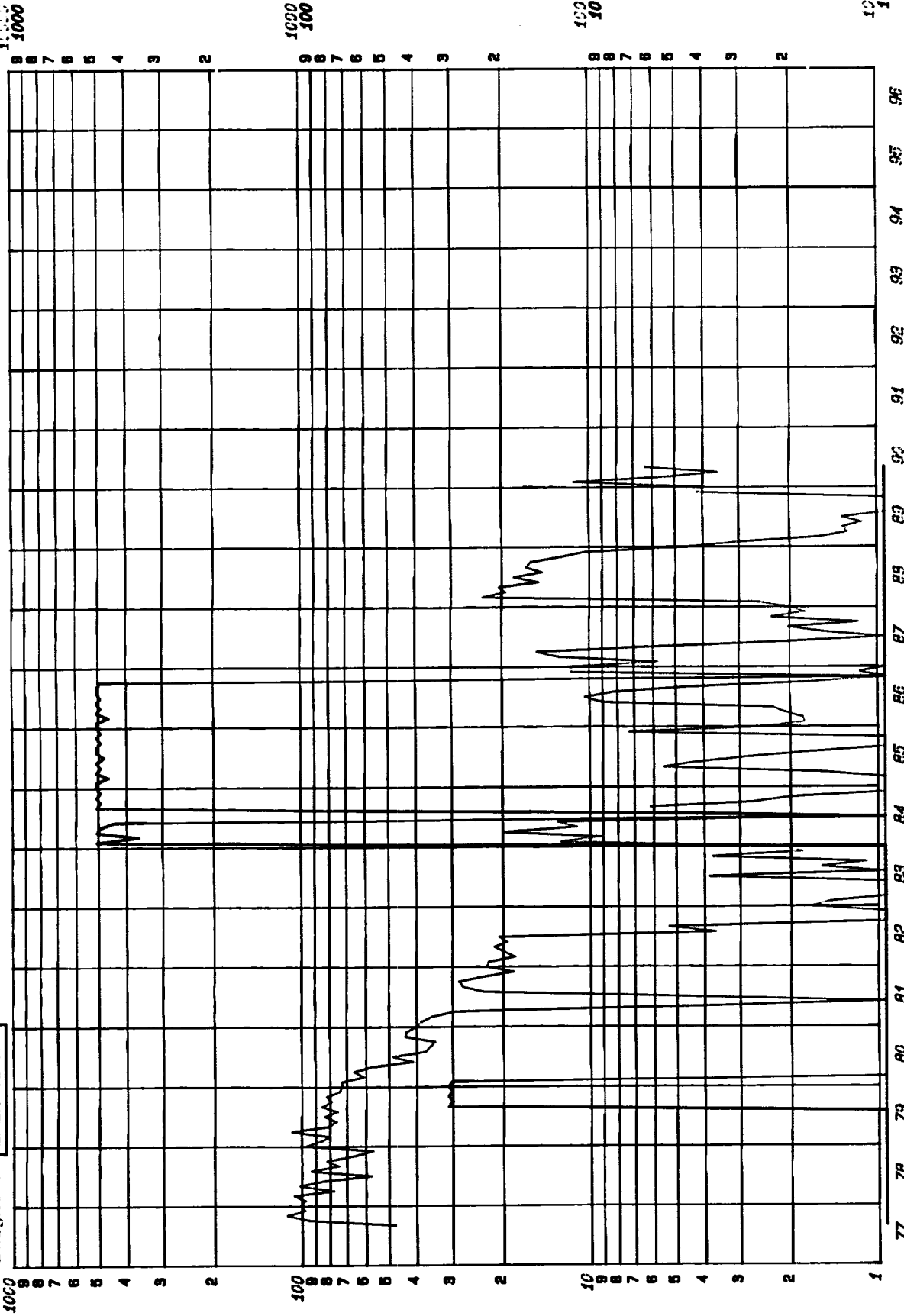
Date

(915) 686-6548

Telephone No.

Oil, Gas and Water vs Time

Dwight's ENERGYDATA Inc. Retrieval Code: 250, 025, 2053AE27100TE



DAILY OIL PRODUCTION (BBL/DAY)

DAILY GAS PRODUCTION (BBL/MO)

WATER (BBL/MO)

LEGEND	
OIL	—
GAS	—
WATER	—

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

TB

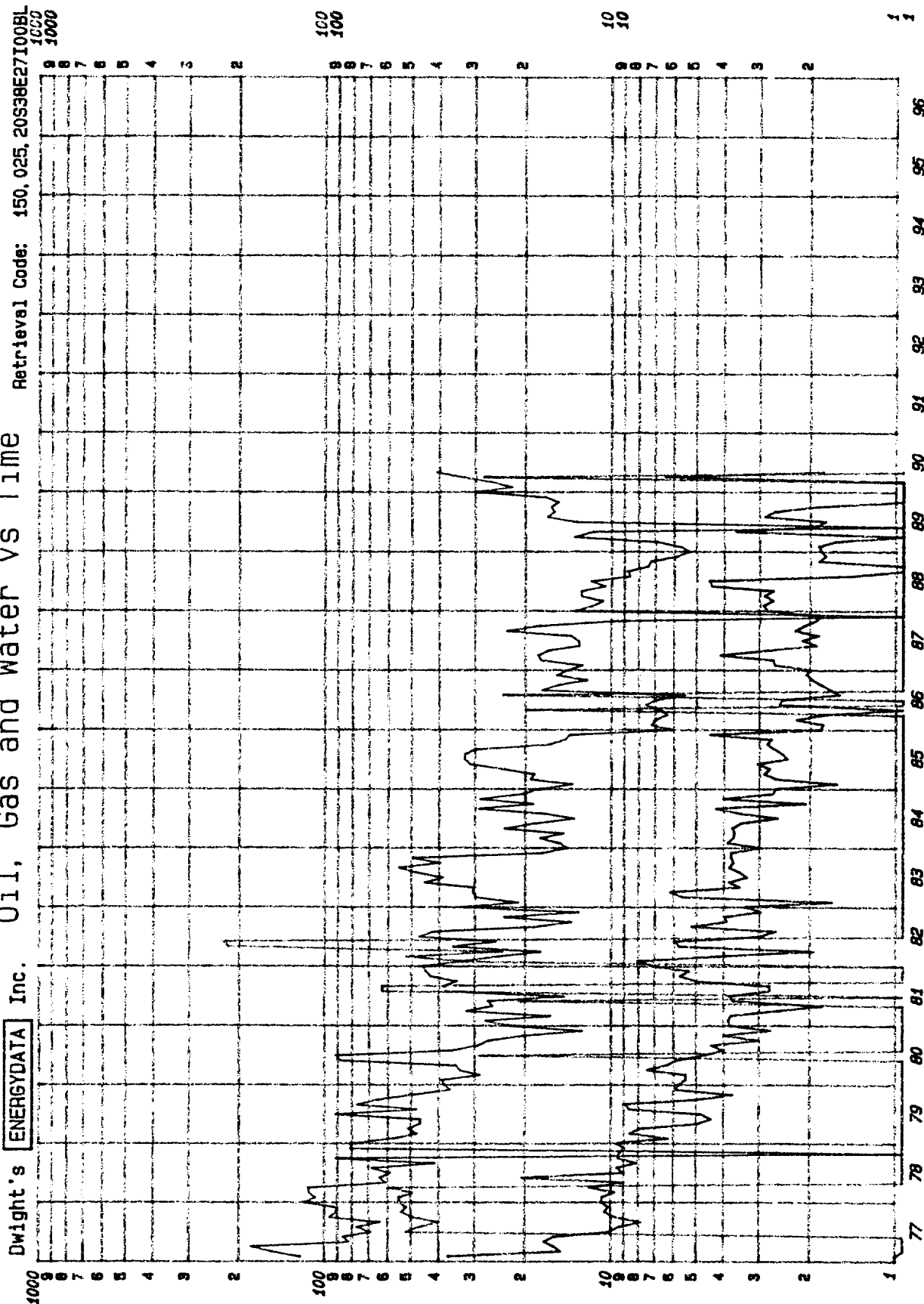
Date: 09-12-90

Oil, Gas and Water vs Time

Retrieval Code: 150, 025, 20S38E27100BL

1000
1000
1000

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



DAILY OIL PRODUCTION (BBL/DAY)

LEGEND

OIL
GAS
WATER

Lease: WARREN UNIT BLINERY BATTERY 1
Well #: 000042
Operator: CONOCO INC
Field: BLINERY OIL AND GAS
Reservoir: LEA
County: LEA
Location: 27 20S 38E

BL

Date: 09-12-90