



Texaco E & P

PO Box 730
Hobbs NM 88241-0730
505 393 7191

OIL CONSERVATION DIVISION

RECEIVED

1993 MAR 31 AM 9 49

Date: April 26, 1993

To: New Mexico Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Attention: Mr. David R. Catanach
Examiner

RE: Request for Exception to Rule 303-A
Downhole Commingling of Blinebry and Paddock
V.M. Henderson #6
Unit C, Section 30, T21S - R37E Lea County, New Mexico

Gentlemen:

Texaco Exploration and Production, Inc. respectfully requests administrative approval for an exception to Rule 303-A in order to downhole commingle the Blinebry and Paddock production in the subject well. Approval of this application will promote efficient recovery of oil and gas reserves from both zones.

The well is presently a dual completion in the Blinebry and Paddock zones, with the upper completion (Paddock) producing under artificial lift. The existing downhole producing equipment has been destroyed due to an equipment failure and the subsequent equipment recovery work. It is necessary to downhole commingle the production from both zones in order to economically re-equip and produce the well. This well meets all prerequisites for downhole commingling as described in New Mexico Oil Conservation Division Rule 303-C. The ownership of these zones is common, including working interest, royalty and over-riding royalty.

Approximate reservoir pressure for the Blinebry (gas) zone can be calculated from the 24 hour shut in pressures from the 1992 packer leakage test taken on 10/27/92. The Blinebry (gas) zone recorded a shut in pressure of 325 psi, which calculates to a reservoir pressure of 389 psia (assuming a dry gas column). The Paddock (oil) zone has been maintaining a fluid level of approximately 1023' above the perforations, which indicates a reservoir pressure of approximately 477 psia. The production equipment will be sufficient to maintain a pumped-off condition, thereby reducing the producing bottomhole pressure below both reservoir pressures and eliminating the chance for crossflow.

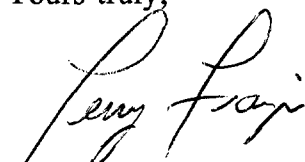
The fluids from each zone have been commingled both downhole and in surface facilities in numerous locations throughout the field without any compatibility difficulties.

The following recommended oil and gas allocations are based on the production histories from each zone:

	<u>Oil</u>	<u>Gas</u>
Paddock	96.6%	8.0%
Blinebry	3.4%	92.0%

All offset operators have been notified of the proposed downhole commingling by copy of this letter.

Yours truly,



Terry L. Frazier
Hobbs Area Manager

SGW/s

file
chrono

Attachments

cc: Department of Energy & Minerals
Oil Conservation Division
P.O. Box 1980
Hobbs, NM 88240

Chevron USA Inc.
P.O. Box 1150
Midland, Texas 79702

Zia Energy, Inc
P.O. Box 2219
Hobbs, New Mexico 88241

Amoco Production Company
P.O. Box 3092
Houston, Texas 77253

Greenbrier '69 Ltd.
6060 N. Central Expressway, Suite 400
Dallas, Texas 75206

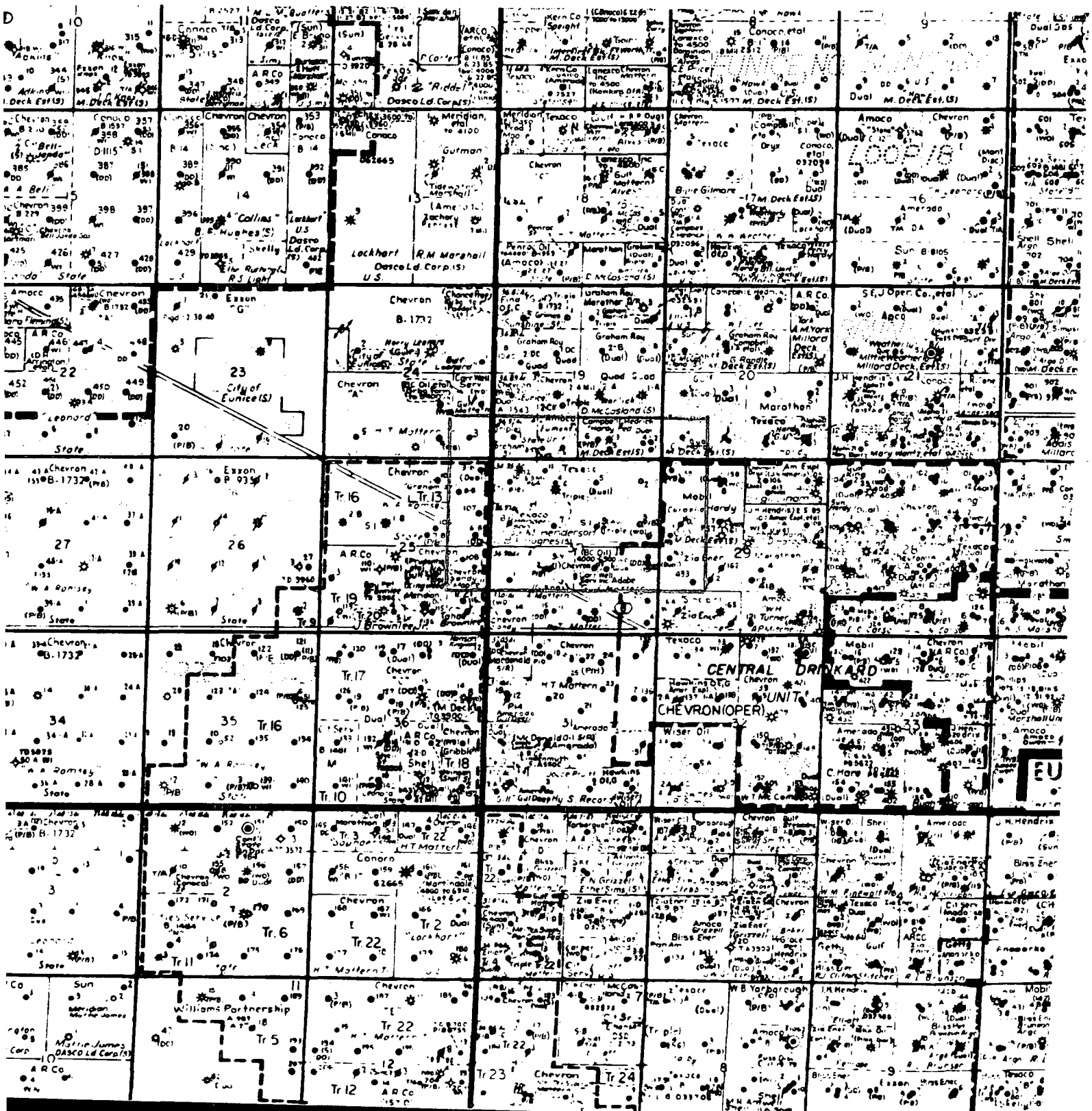
Campell & Hedrick
P.O. Box 401
Midland, Texas 79702

H.E. Lindsey, Jr.
P.O. Box 631
Midland, Texas 79702

Mobil Producing Texas & New Mexico Inc.
P.O. Box 633
Midland, Texas 79702

BC Oil Company
P.O. Box 50820
Midland, Texas 79710

OFFSET OPERATOR OWNERSHIP
V. M. HENDERSON LEASE
(PADDOCK/BLINEBRY FORMATIONS)
N/2 OF SECTION 30
T-21-S, R-37-E
LEA COUNTY, NEW MEXICO
APRIL 6, 1993



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 V. M. HENDERSON LEASE
 (PADDOCK/BLINEBRY FORMATIONS)
 N/2 OF SECTION 30
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 LEA COUNTY, NEW MEXICO
 APRIL 6, 1993

36	31	32	33	34	35	36	31
1	6	5	4	3	2	1	6
12	7	8	9	10	11	12	7
13	18	17	16	15	14	13	18
24	19	20	21	22	23	24	19
1	2	3	4	4	5		
11					6		
25	11	30	6	29	28	27	26
10	8	8	9	8	7		
36	31	32	33	34	35	36	31
1	6	5	4	3	2	1	6

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LEA COUNTY, NEW MEXICO
APRIL 6, 1993

<u>TRACT</u>	<u>OPERATOR</u>	<u>LEASE</u>
1	Chevron USA Inc.	H. T. Mattern
2	Chevron USA Inc.	Graham State
3	Amoco Production Company	State "CK"
4	Campbell & Hedrick	Hardy Federal
5	Chevron USA Inc.	C. L. Hardy
6	Mobil Producing Tx. & NM	Cordelia Hardy
7	Zia Energy, Inc.	W. H. Turner
8	Chevron USA Inc.	H. T. Mattern
9	Greenbrier '69 Ltd. BC Oil Company H. E. Lindsey, Jr.	H. T. Mattern
10	Chevron USA Inc.	Moore
11	Chevron USA Inc.	W. A. Ramsey State

OFFSET OPERATOR OWNERSHIP
V. M. HENDERSON LEASE
(PADDOCK/BLINEBRY FORMATIONS)
N/2 OF SECTION 30
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LEA COUNTY, NEW MEXICO
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Chevron USA Inc.
P. O. Box 1150
Midland, Texas 79702

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Houston, Texas 77253

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6060 N. Central Expressswway, Suite 400
Dallas, Texas 75206

H. E. Lindsey, Jr.
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Midland, Texas 79710

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 Texaco Exploration and Production Inc.		Pool BLINEBRY OIL AND GAS		County LEA										
Address P.O. Box 730, 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 CU.FT/BBL.	
		U	S	T						R	WATER BBL.S.	GRAV. OIL		OIL BBL.S.
V.M. HENDERSON	6	C	30	21S	37E	1-8-93	F	28/64	20			0	59	-

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

Scott Warhaver Engineer

Printed name and title

4-15-93

Date

(505) 393-7191

Telephone No.

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P.O. Box 1980, Hobbs, NM 88240
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P.O. Drawer DD, Artesia, NM 88210
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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 Texaco Exploration and Production Inc.		Pool PADDOCK		County LEA										
Address P.O. Box 730, Hobbs, NM 88240		TYPE OF TEST - (X)		Completion ☐ Scheduled ☐ Special ☒										
LEASE NAME V.M. HENDERSON * PRORATION UT ALLOWABLE	WELL NO. 6	LOCATION			DATE OF TEST 1-4-93	CHOKE SIZE P	TBG. PRESS.	DAILY ALLOW. ABLE * 107	LENGTH OF TEST HOURS 24	PROD. DURING TEST			GAS - OIL RATIO CU.FT/BBL.	
		U	S	T						R	WATER BBL.S.	GRAV. OIL		OIL BBL.S.
		C	30	21S	37E					20	36.1	6	6	1000

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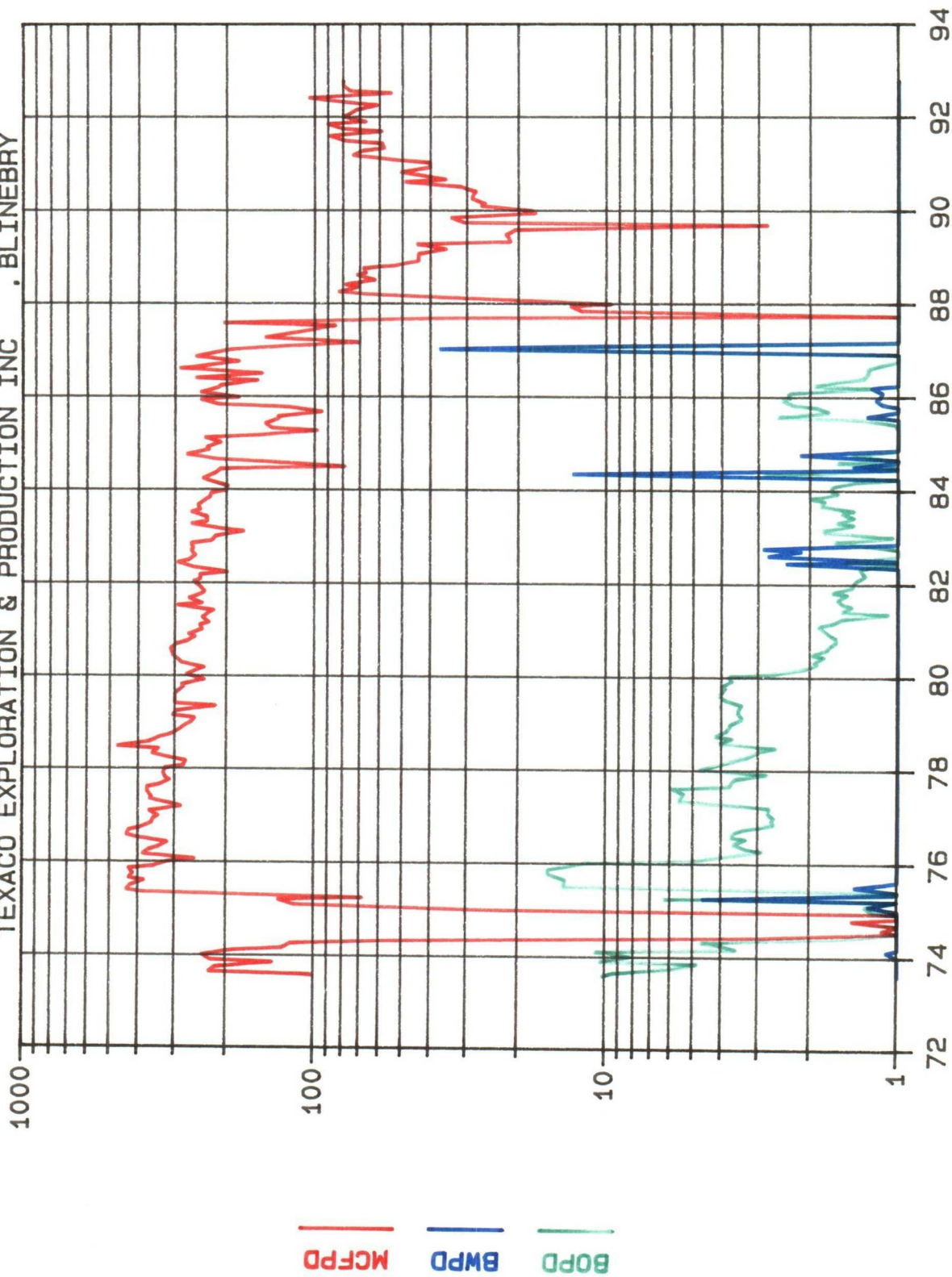
Telephone No.

V M HENDERSON - 006 BLINEBRY OIL AND GAS

TEXACO EXPLORATION & PRODUCTION INC., BLINEBRY

LEASE DATA
LSE 317230
FLD 6050
OPER 93322
ZONE 452
21S-37E-30
COUNTY 025
STATE 30

STATUS 9-92
CO 58 MBO
CG 3074 MMCF
CW 3 MBW
BOPD 0
BWPD 0
MCFPD 80
WELLS 0
CI 0 MBWI
BWIPD 0

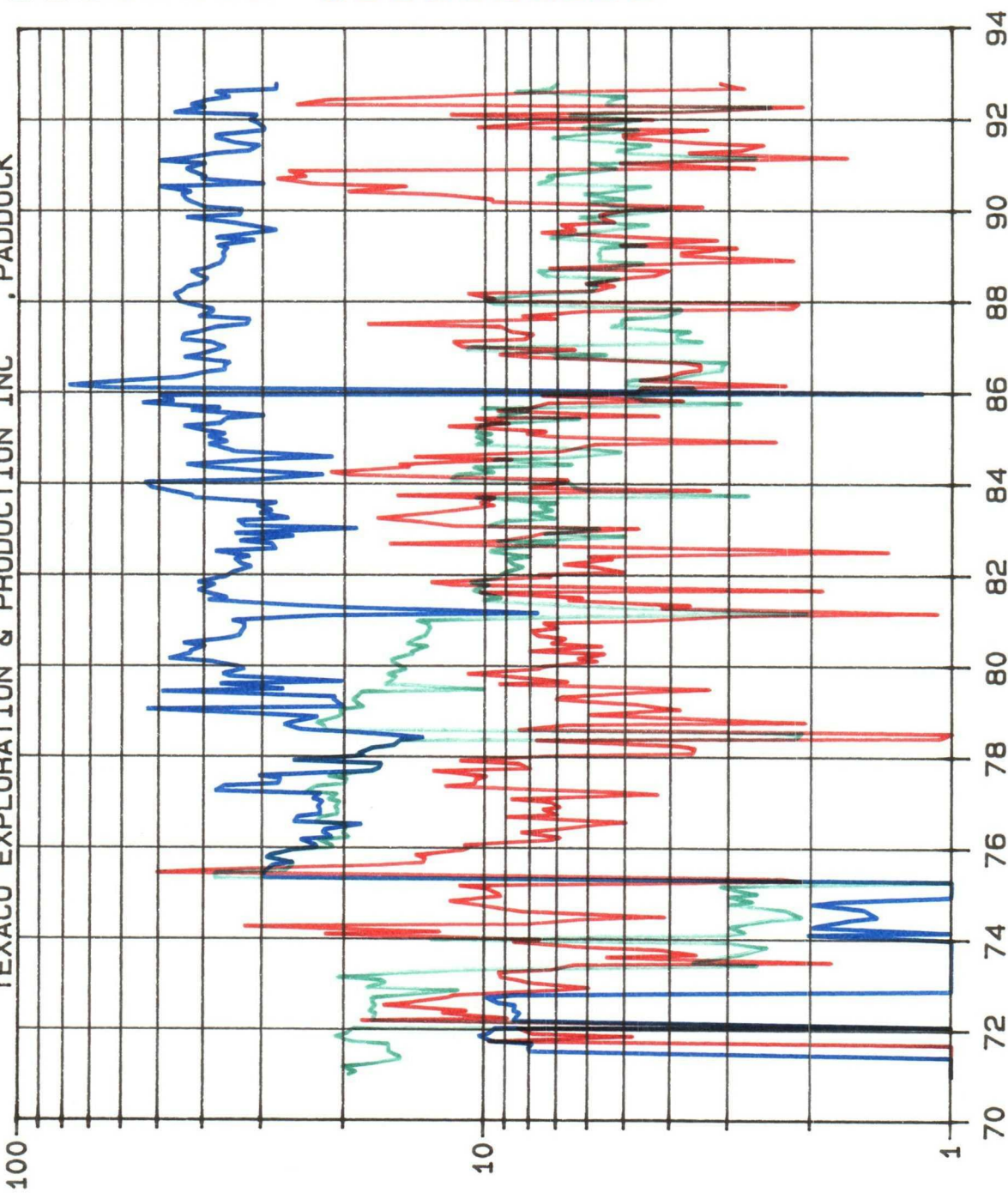


YEARS

V M HENDERSON - 006 PADDOCK TEXACO EXPLORATION & PRODUCTION INC . PADDOCK

LEASE DATA
 LSE 317230
 FLD 41500
 OPER 93322
 ZONE 452
 21S-37E-30
 COUNTY 025
 STATE 30

STATUS 9-92
 CO 205 MBO
 CG 192 MCF
 CW 223 MBW
 BOPD 7
 BWPD 28
 MCFPD 3
 WELLS 1
 CI 0 MBWI
 BWIPD 0



BOPD
 BWPD
 MCFPD

YEARS