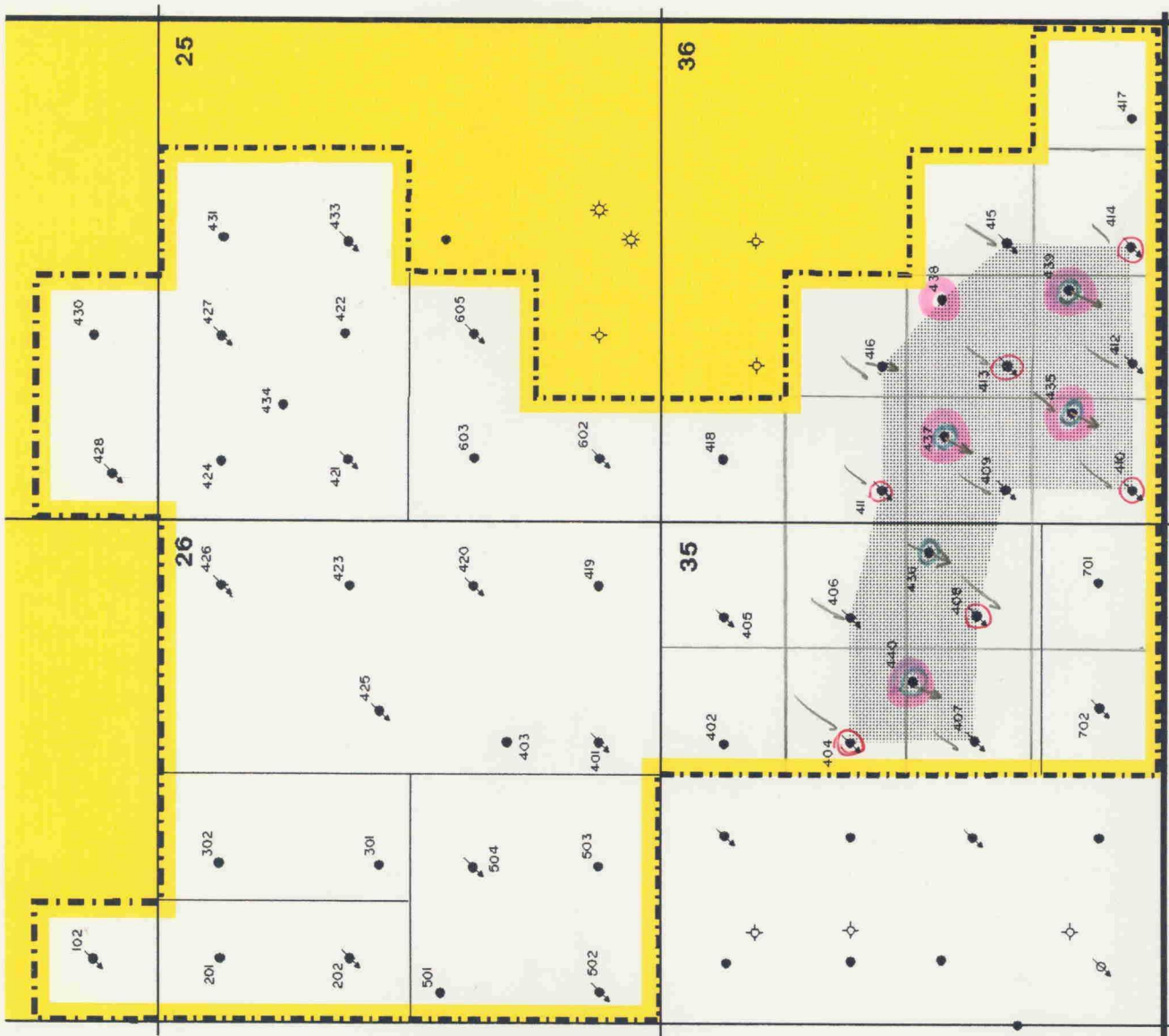


R 36 E



MARATHON OIL COMPANY
MID-CONTINENT REGION

SOUTH EUNICE QUEEN

LEA COUNTY, NEW MEXICO

POST WFX-629



PATTERN REDUCTION
PROJECT AREA



Before The
OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Case No. 10570 Exhibit No. **8**
Submitted by: Marathon Oil Company
Hearing Date: 10/15/92

Red - Original dry wells.
Green - New injected wells.
Pink - Dry oil wells drilled

R 36 E

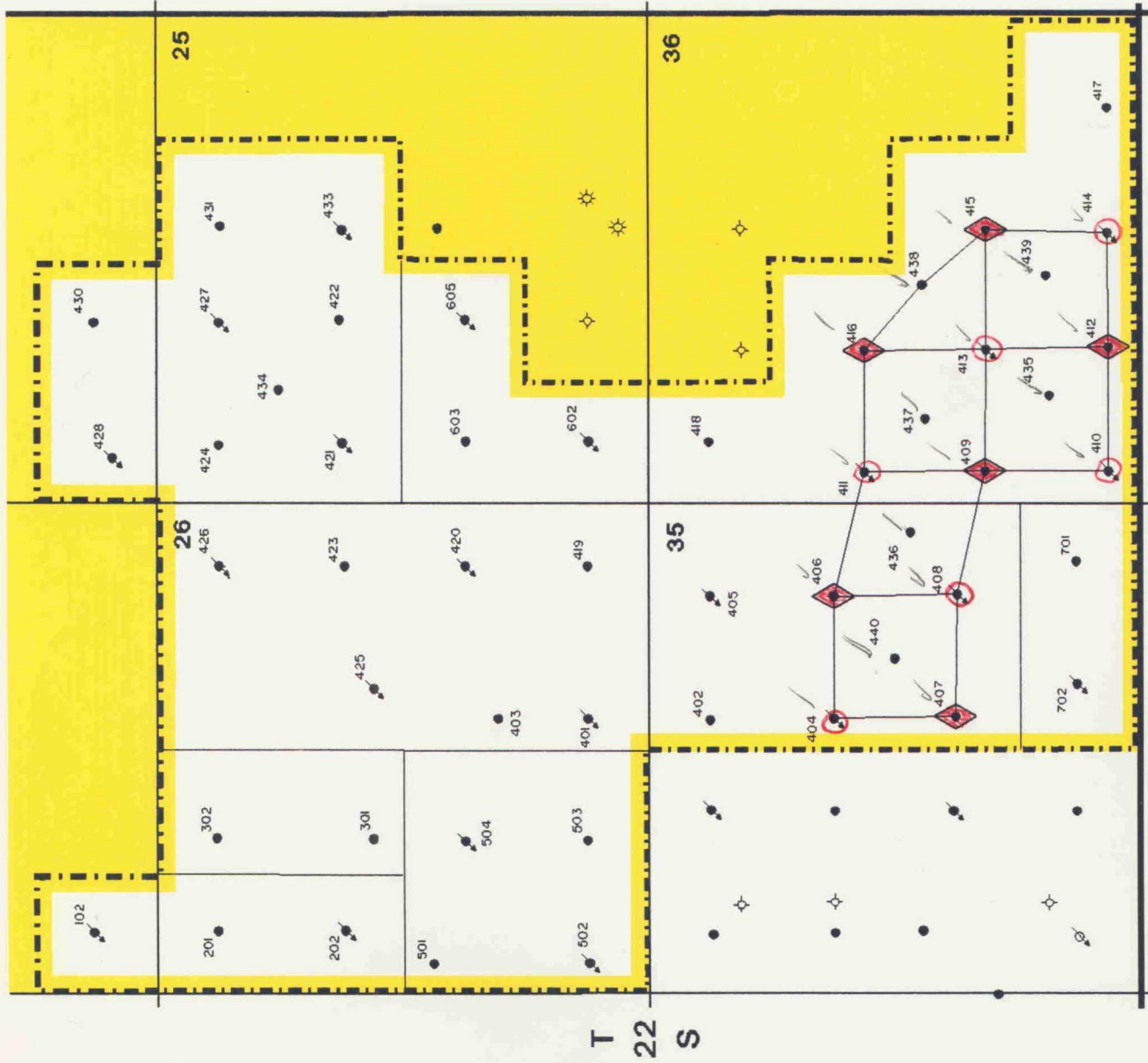
MARATHON OIL COMPANY
MID-CONTINENT REGION

SOUTH EUNICE QUEEN

LEA COUNTY, NEW MEXICO

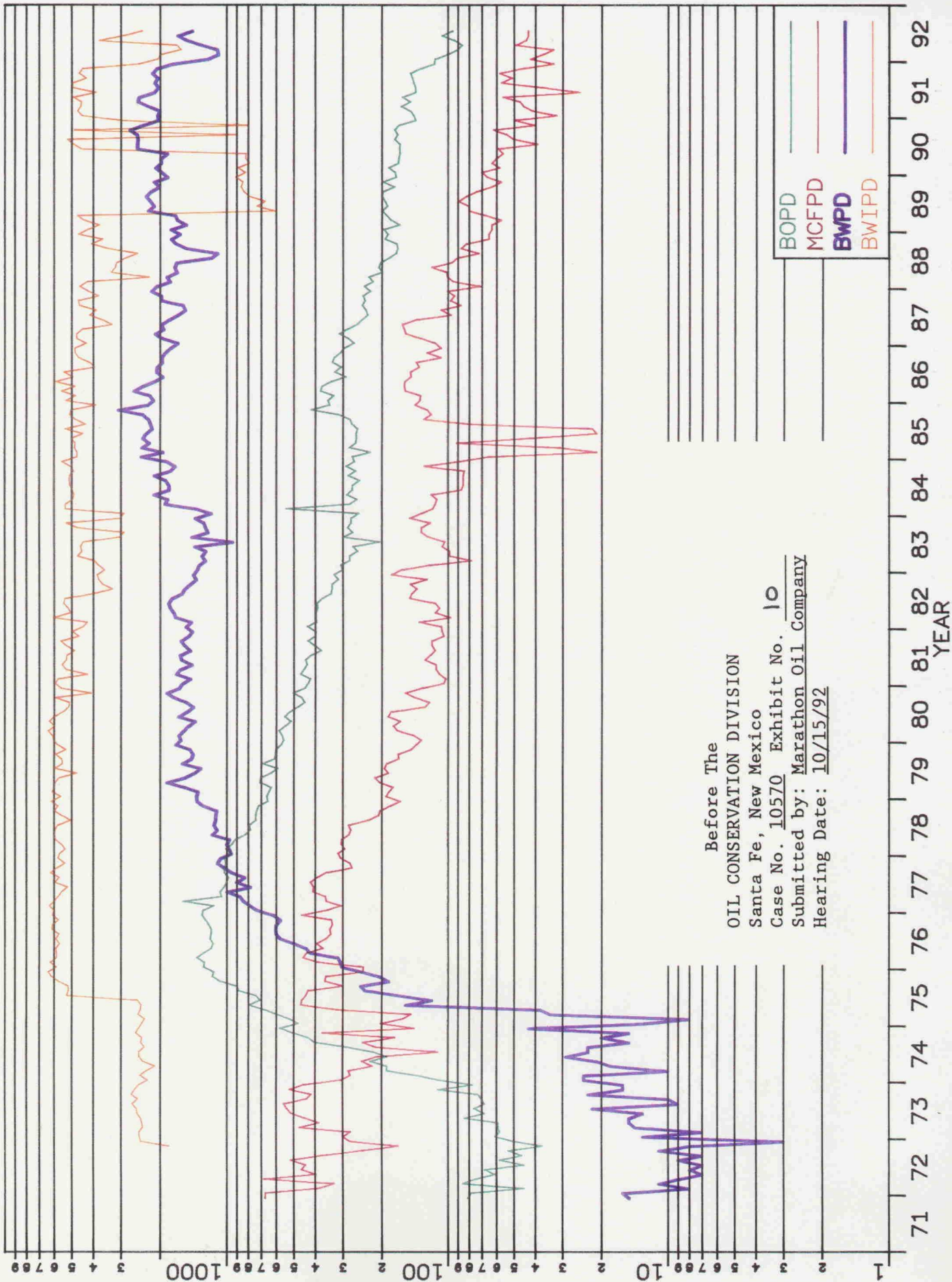
PRE WFX-629

◇ PROPOSED CONVERSIONS

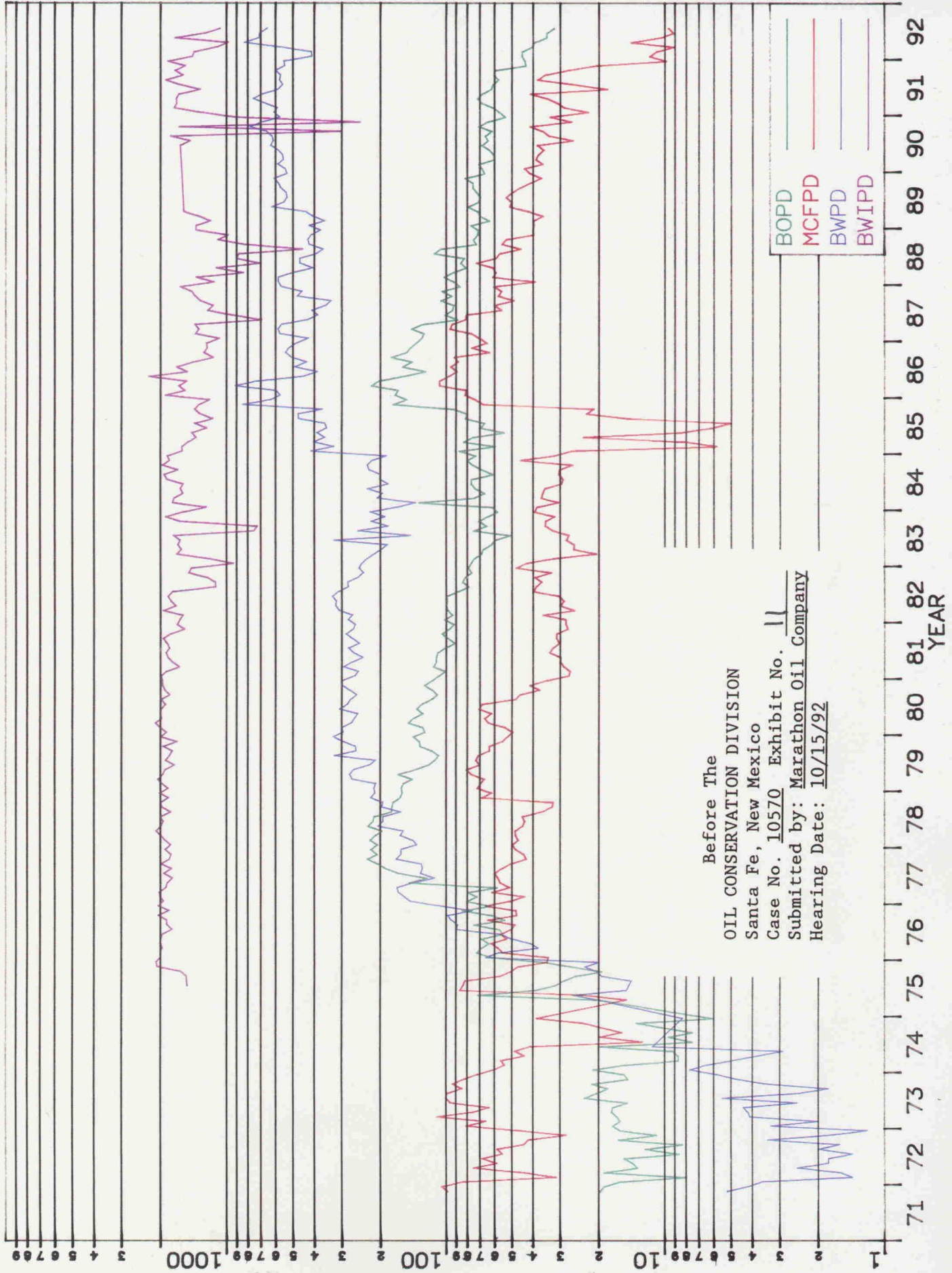


Before The
OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Case No. 10570 Exhibit No. **9**
Submitted by: Marathon Oil Company
Hearing Date: 10/15/92

SOUTH EUNICE (SRQ) UNIT LEA COUNTY, NEW MEXICO



SOUTH EUNICE (SRQ) UNIT PATTERN REDUCTION PROJECT AREA



Before The
OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Case No. 10570 Exhibit No. 11
Submitted by: Marathon Oil Company
Hearing Date: 10/15/92

SOUTH EUNICE SRQU

PATTERN REDUCTION PROJECT AREA

INDIVIDUAL PATTERN RESERVES

PATTERN	OOIP (STB)	DEVELOPED PRIMARY (STB)	PERCENT RECOV.	DEVELOPED SECONDARY (STB)	PERCENT RECOV.	TOTAL DEVELOPED (STB)	PERCENT RECOV.	ULTIMATE (STB)	PERCENT RECOV.	INCREMENTAL SECONDARY
440	562000	55330	9.9	61510	10.9	116840	20.8	168600	30.0	51760
439	960000	75700	7.9	161020	16.8	236720	24.7	288000	30.0	51280
438	493000	55630	11.3	40950	8.3	96580	19.6	123070	25.0	26490
437	741000	74330	10.0	58170	7.9	132500	17.9	222300	30.0	89800
436	472000	54010	11.4	53340	11.3	107350	22.7	141600	30.0	34250
435	869000	72980	8.4	75020	8.6	148000	17.0	260700	30.0	112700
TOTAL	4097000	387980	9.5	450010	11.0	837990	20.5	1204270	29.4	366280

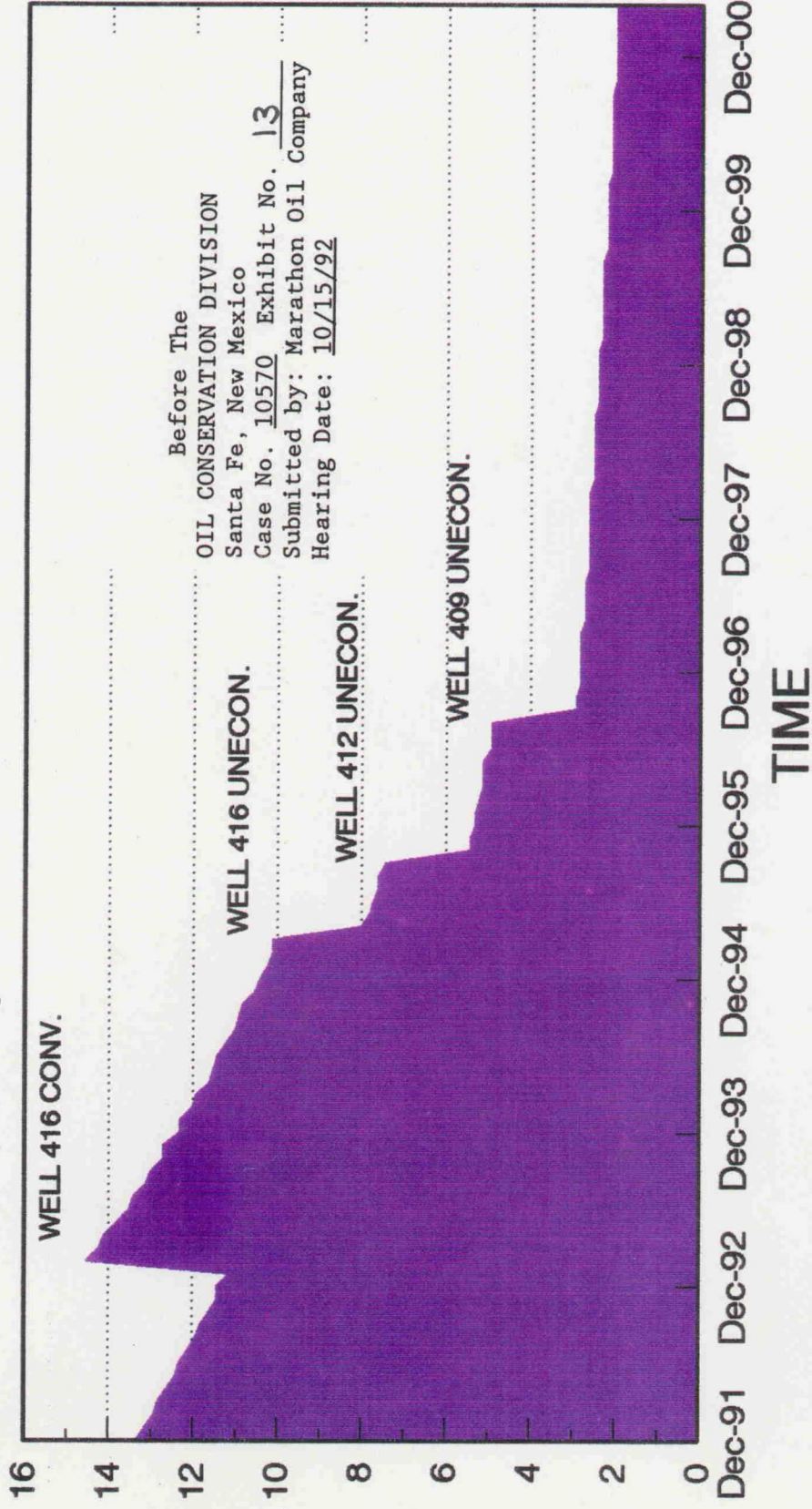
Before The
OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Case No. 10570 Exhibit No. 12
Submitted by: Marathon Oil Company
Hearing Date: 10/15/92

SOUTH EUNICE SRQU

PATTERN REDUCTION PROJECT AREA

DEFERRED OIL PRODUCTION

PRODUCTION (BOPD)



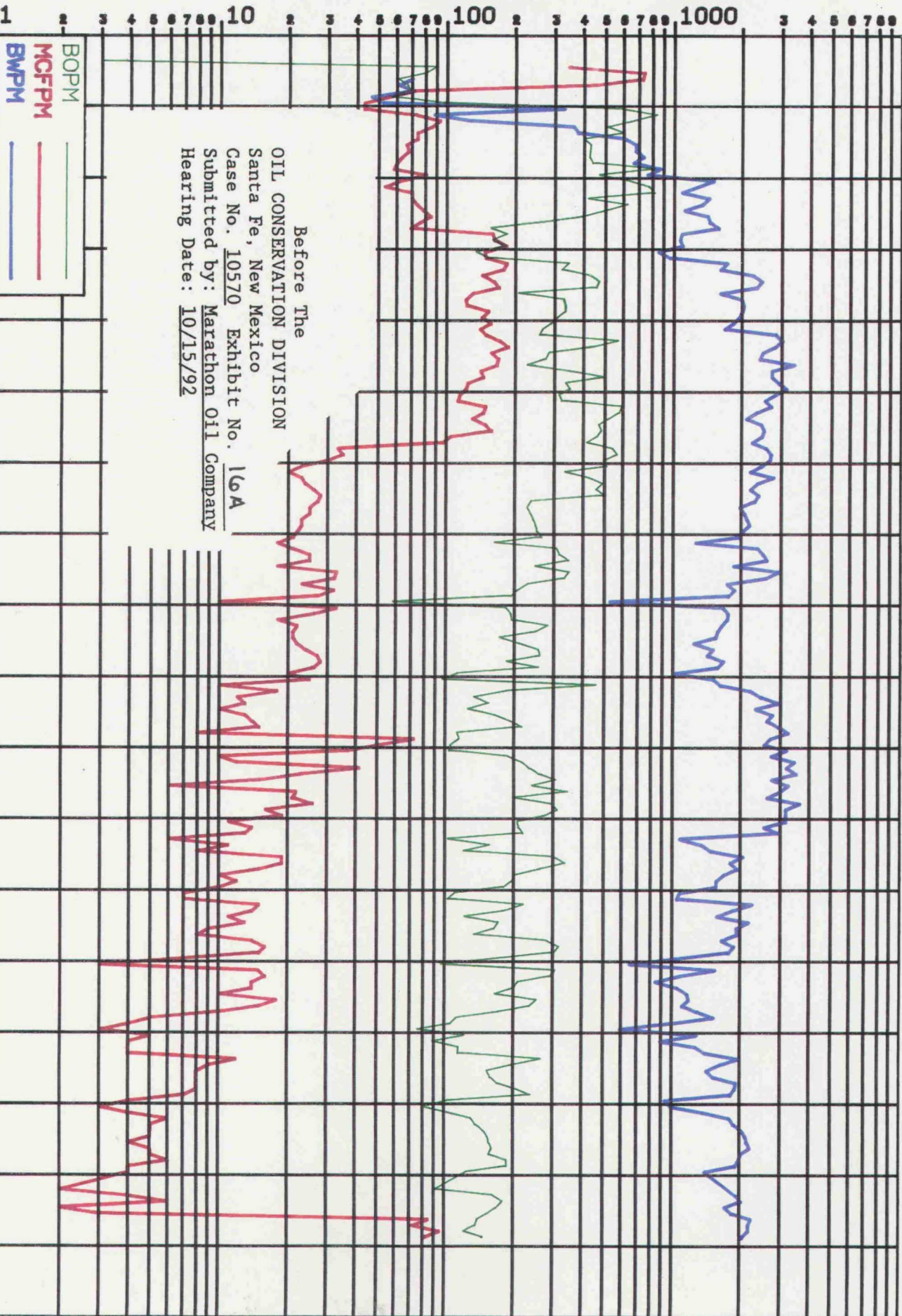
SOUTH EUNICE SRQU PATTERN REDUCTION PROJECT AREA CAPITAL INVESTMENTS
--

FACILITIES AND INJ. LINES	553000
WELL 406 CONVERSION	59000
WELL 407 CONVERSION	65000
WELL 409 CONVERSION	61000
WELL 412 CONVERSION	63000
WELL 415 CONVERSION	77000
WELL 416 CONVERSION	70000
WELL 404 WORKOVER	35000
WELL 408 WORKOVER	43000
WELL 410 WORKOVER	45000
WELL 411 WORKOVER	40000
WELL 413 WORKOVER	47000
WELL 414 WORKOVER	50000
WELL 435 WORKOVER	47000
WELL 436 WORKOVER	52000
WELL 437 WORKOVER	49000
WELL 438 WORKOVER	49000
WELL 439 WORKOVER	34000
<u>WELL 440 WORKOVER</u>	<u>55000</u>
TOTAL	1494000

Before The
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Santa Fe, New Mexico
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Submitted by: Marathon Oil Company
Hearing Date: 10/15/92

SOUTH EUNICE (SRQ) UNIT WELL NO. 406

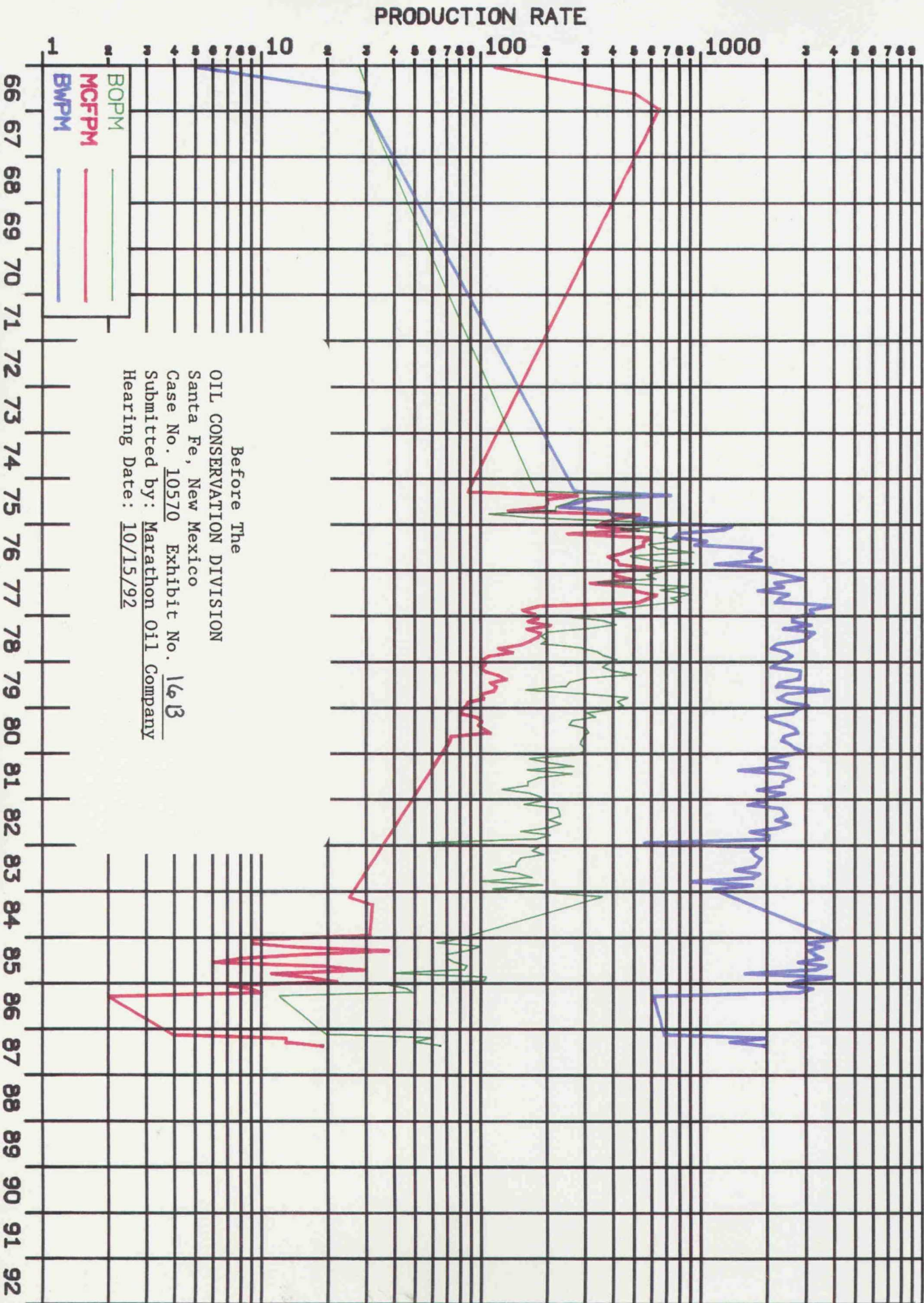
PRODUCTION RATE



Before The
OIL CONSERVATION DIVISION
Santa Fe, New Mexico
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Submitted by: Marathon Oil Company
Hearing Date: 10/15/92

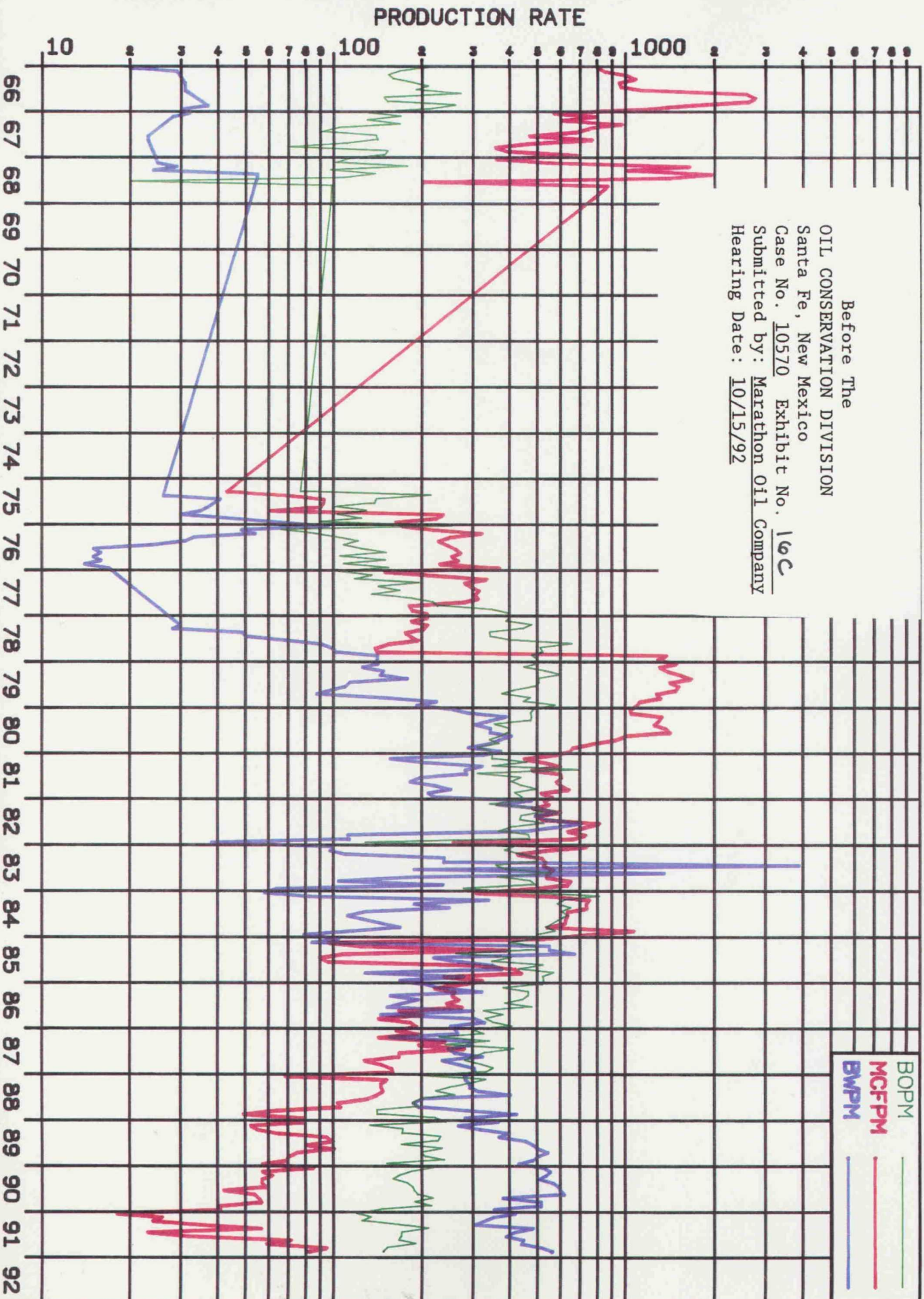
1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992

SOUTH EUNICE (SRQ) UNIT WELL NO. 407

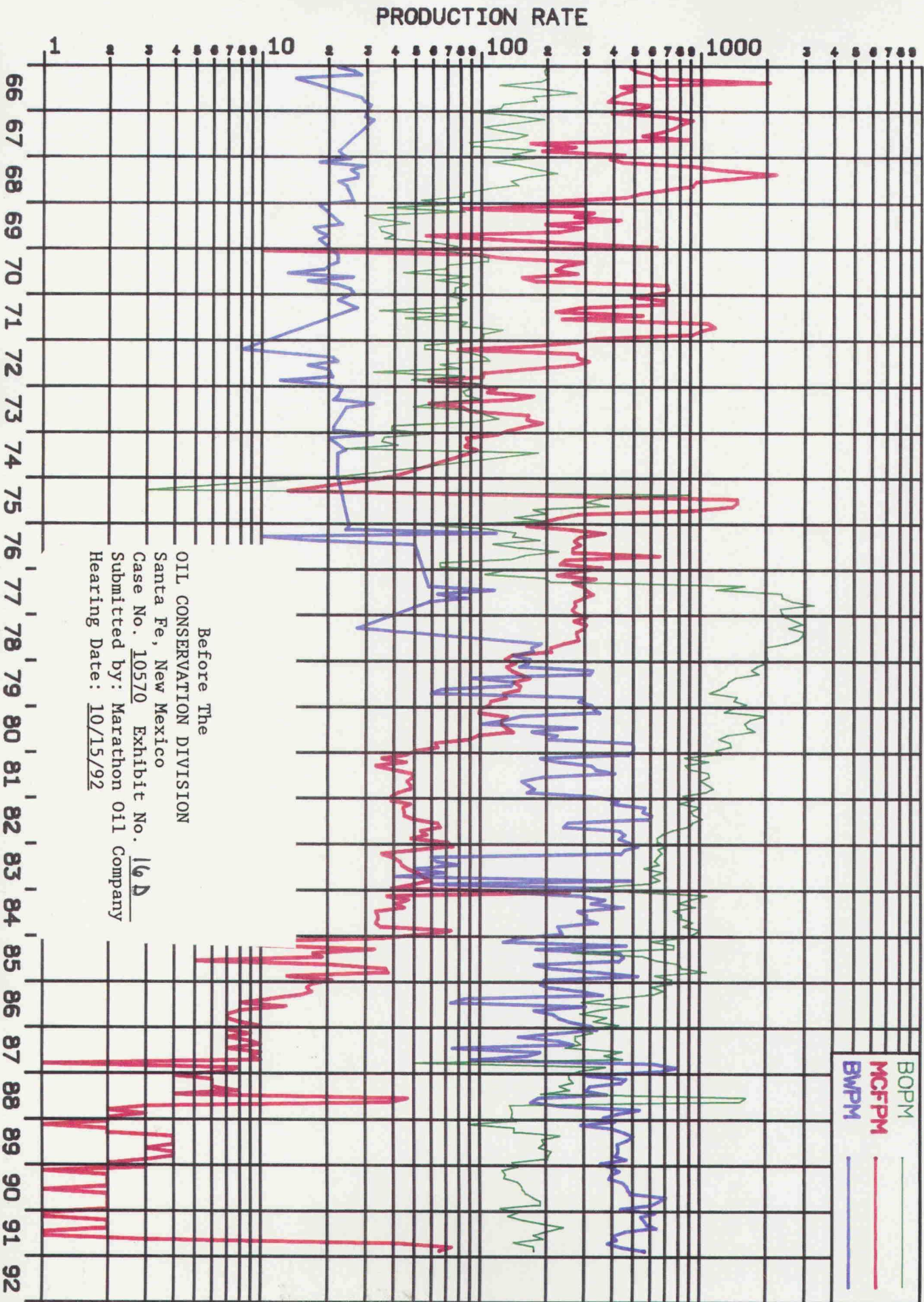


SOUTH EUNICE (SRQ) UNIT WELL NO. 409

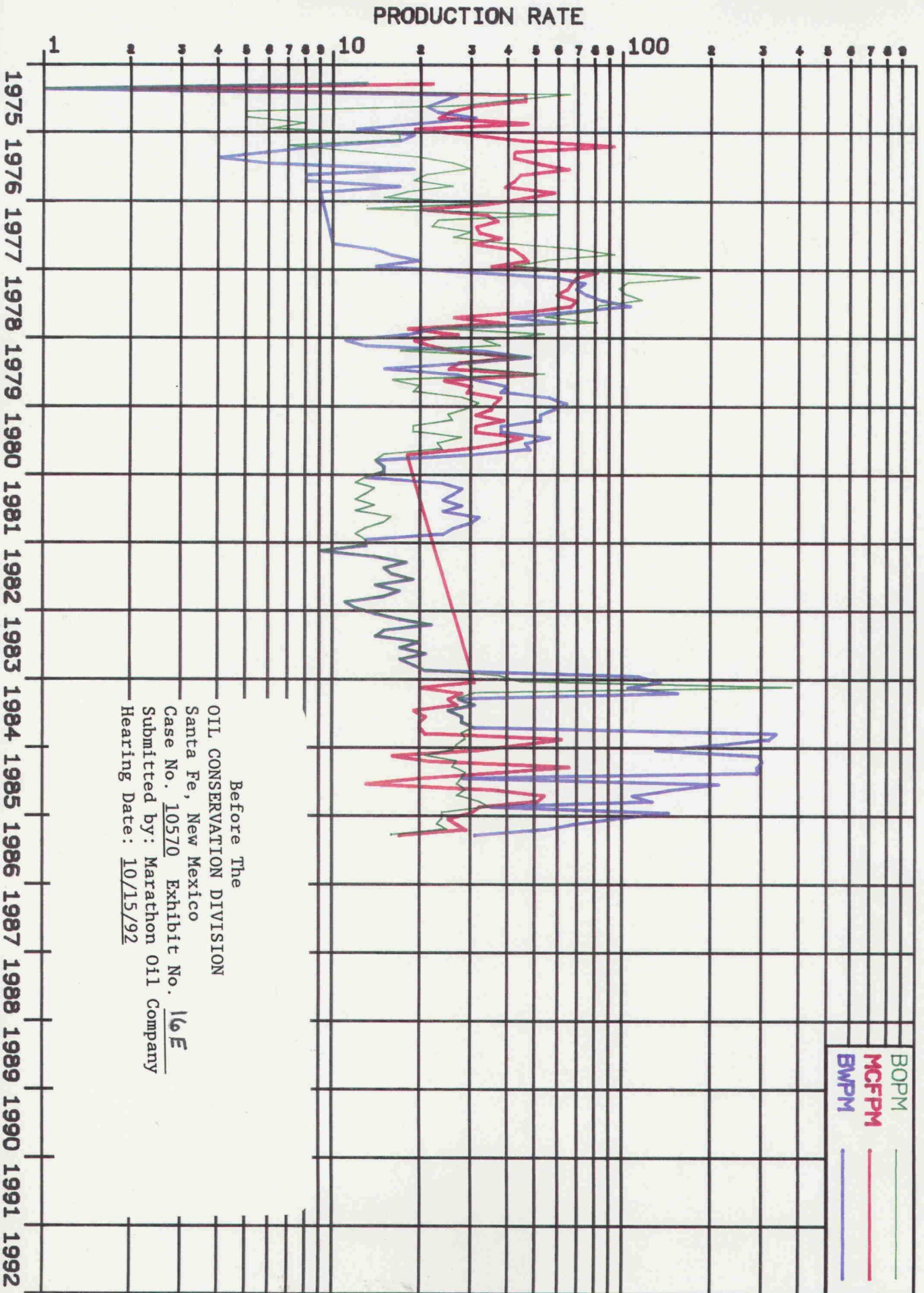
Before The
OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Case No. 10570 Exhibit No. 16C
Submitted by: Marathon Oil Company
Hearing Date: 10/15/92



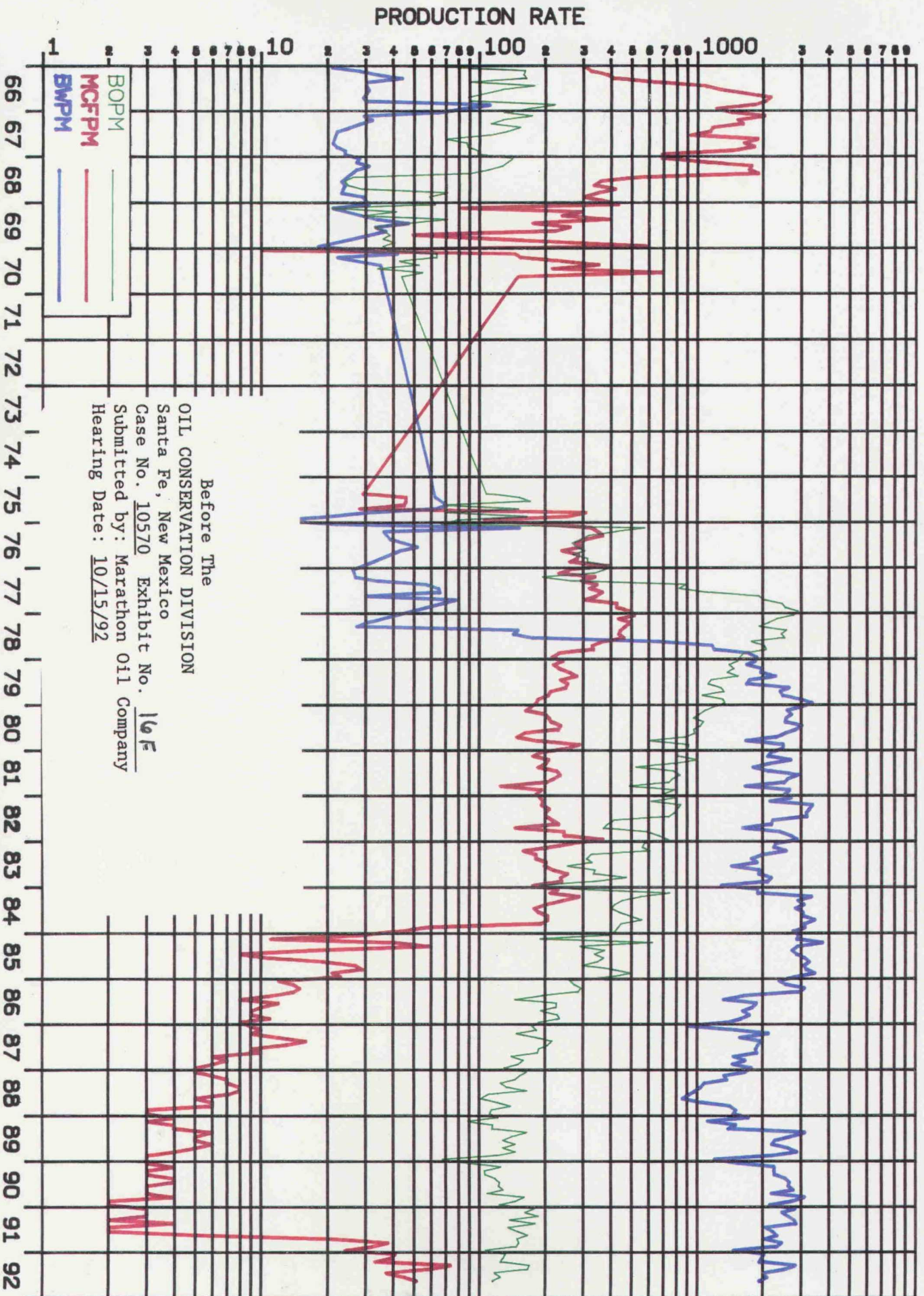
SOUTH EUNICE (SRQ) UNIT WELL NO. 412



SOUTH EUNICE (SRQ) UNIT WELL NO. 415

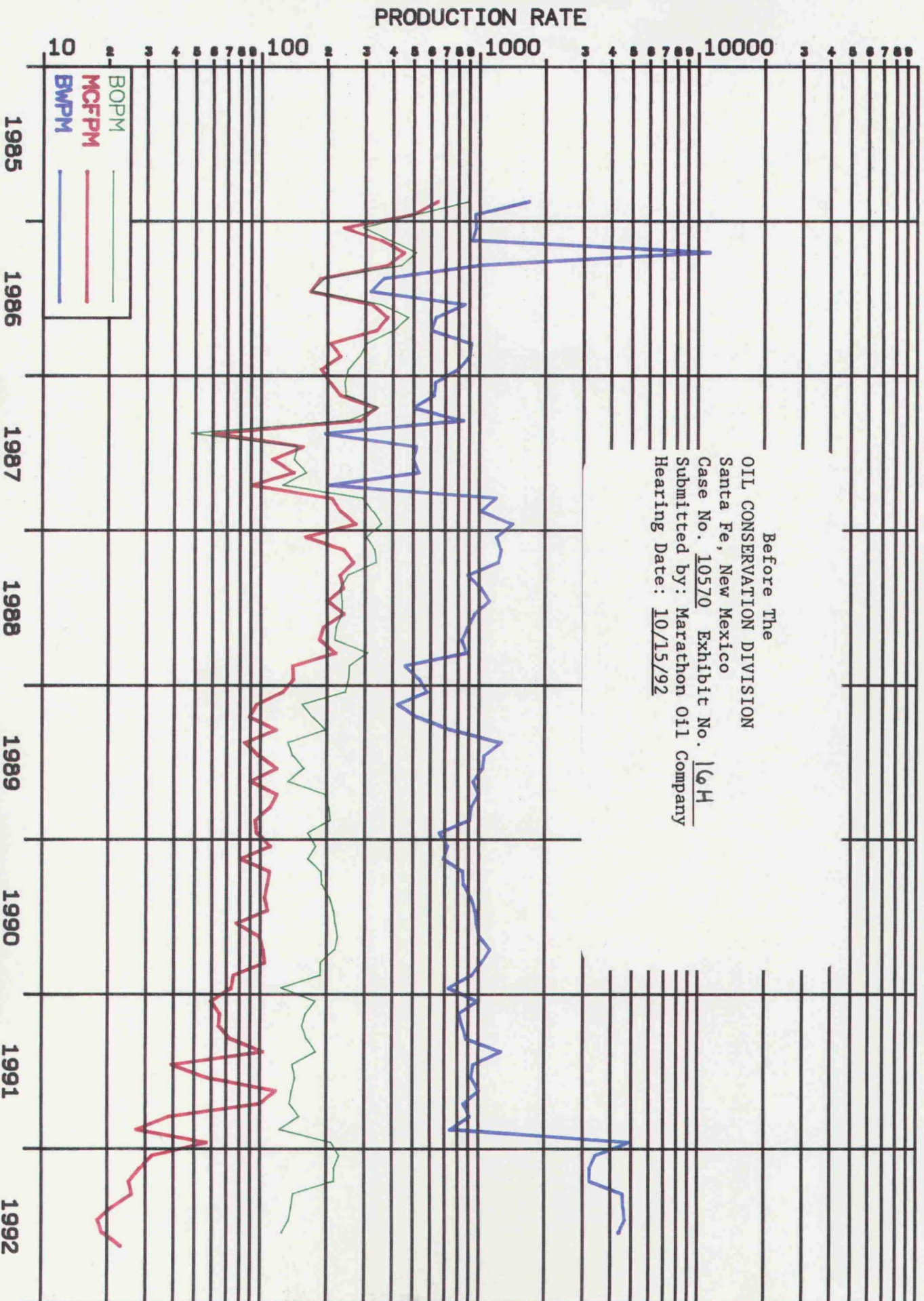


SOUTH EUNICE (SRQ) UNIT WELL NO. 416



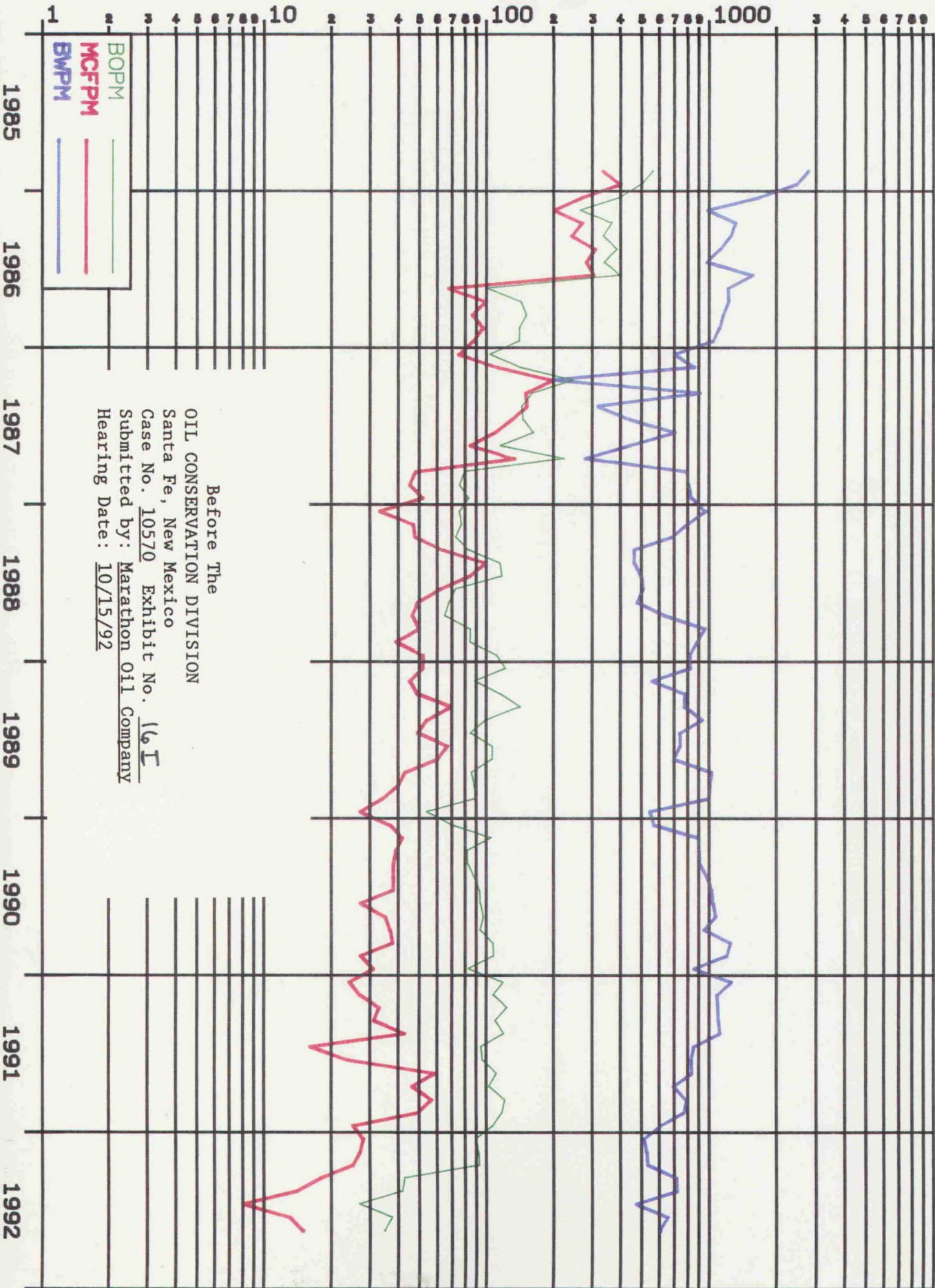
SOUTH EUNICE (SRQ) UNIT WELL NO. 436

Before The
OIL CONSERVATION DIVISION
Santa Fe, New Mexico
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Submitted by: Marathon Oil Company
Hearing Date: 10/15/92



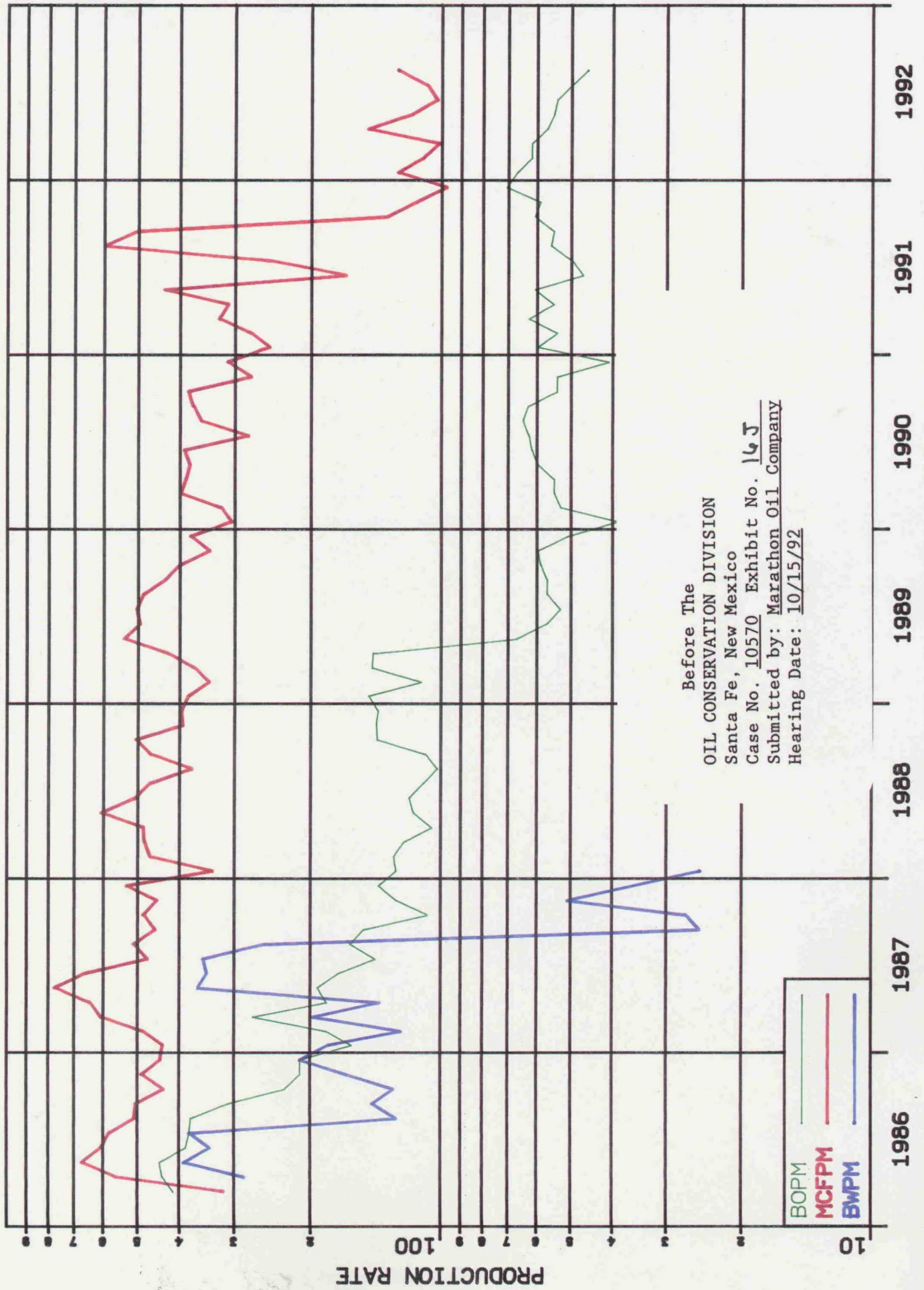
SOUTH EUNICE (SRQ) UNIT WELL NO. 437

PRODUCTION RATE



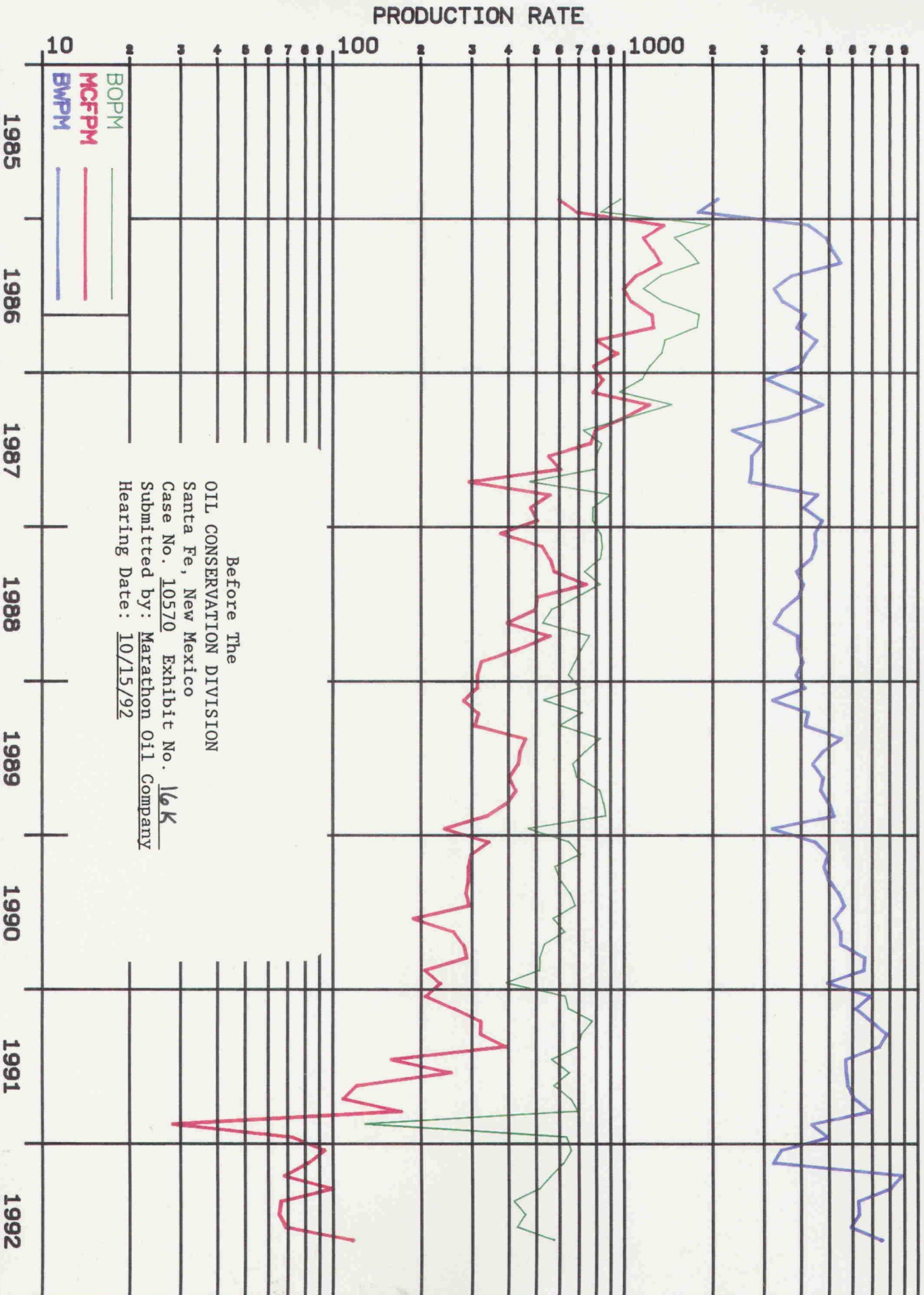
Before The
OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Case No. 10570 Exhibit No. 161
Submitted by: Marathon Oil Company
Hearing Date: 10/15/92

SOUTH EUNICE (SRQ) UNIT WELL NO. 438



Before The
OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Case No. 10570 Exhibit No. 16J
Submitted by: Marathon Oil Company
Hearing Date: 10/15/92

SOUTH EUNICE (SRQ) UNIT WELL NO. 439



SOUTH EUNICE (SRQ) UNIT WELL NO. 440

PRODUCTION RATE

10 2 3 4 5 6 7 8 9 100 2 3 4 5 6 7 8 9 1000 2 3 4 5 6 7 8 9

BOPM
MCFPM
BWPM

1986

1987

1988

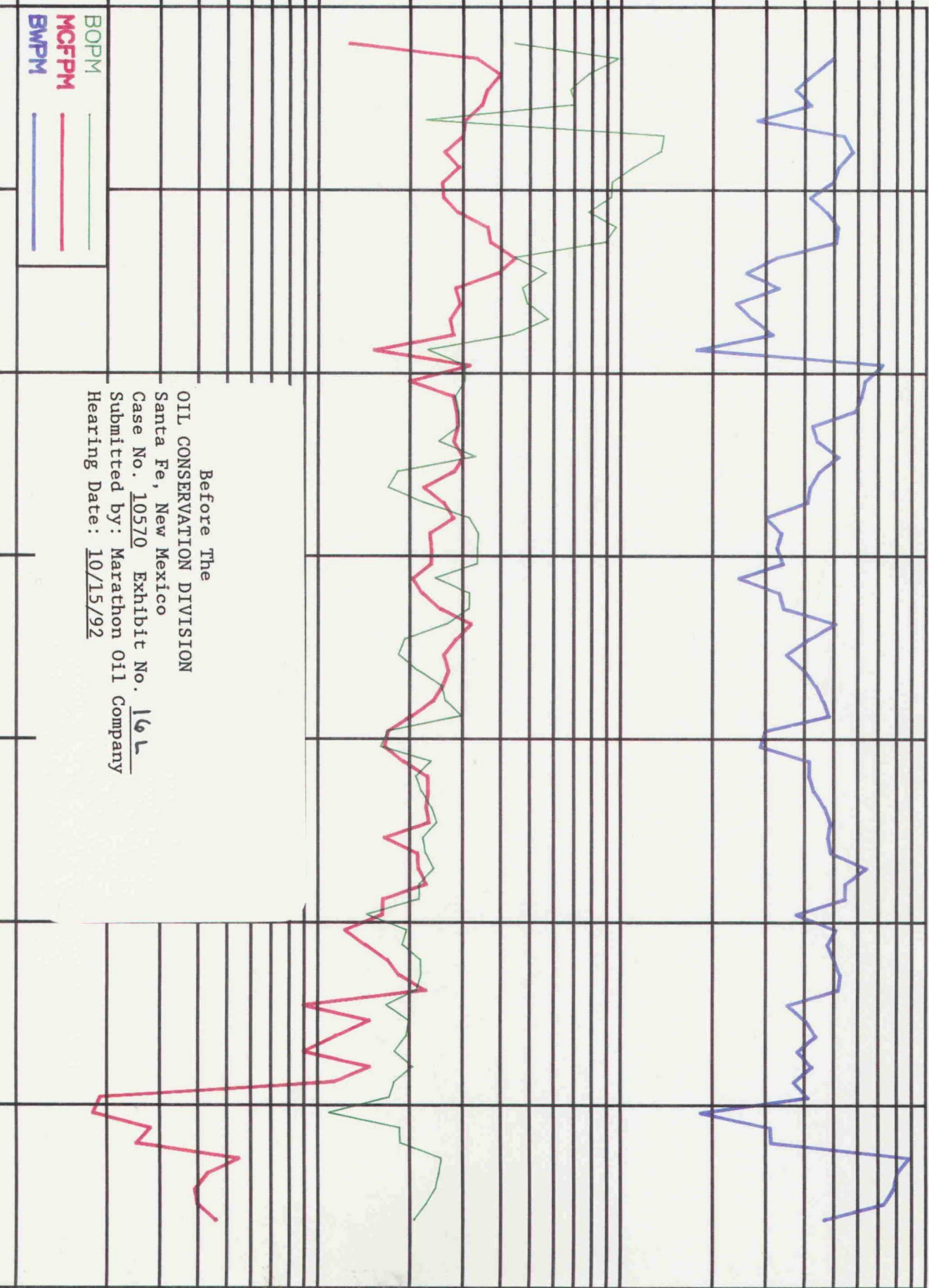
1989

1990

1991

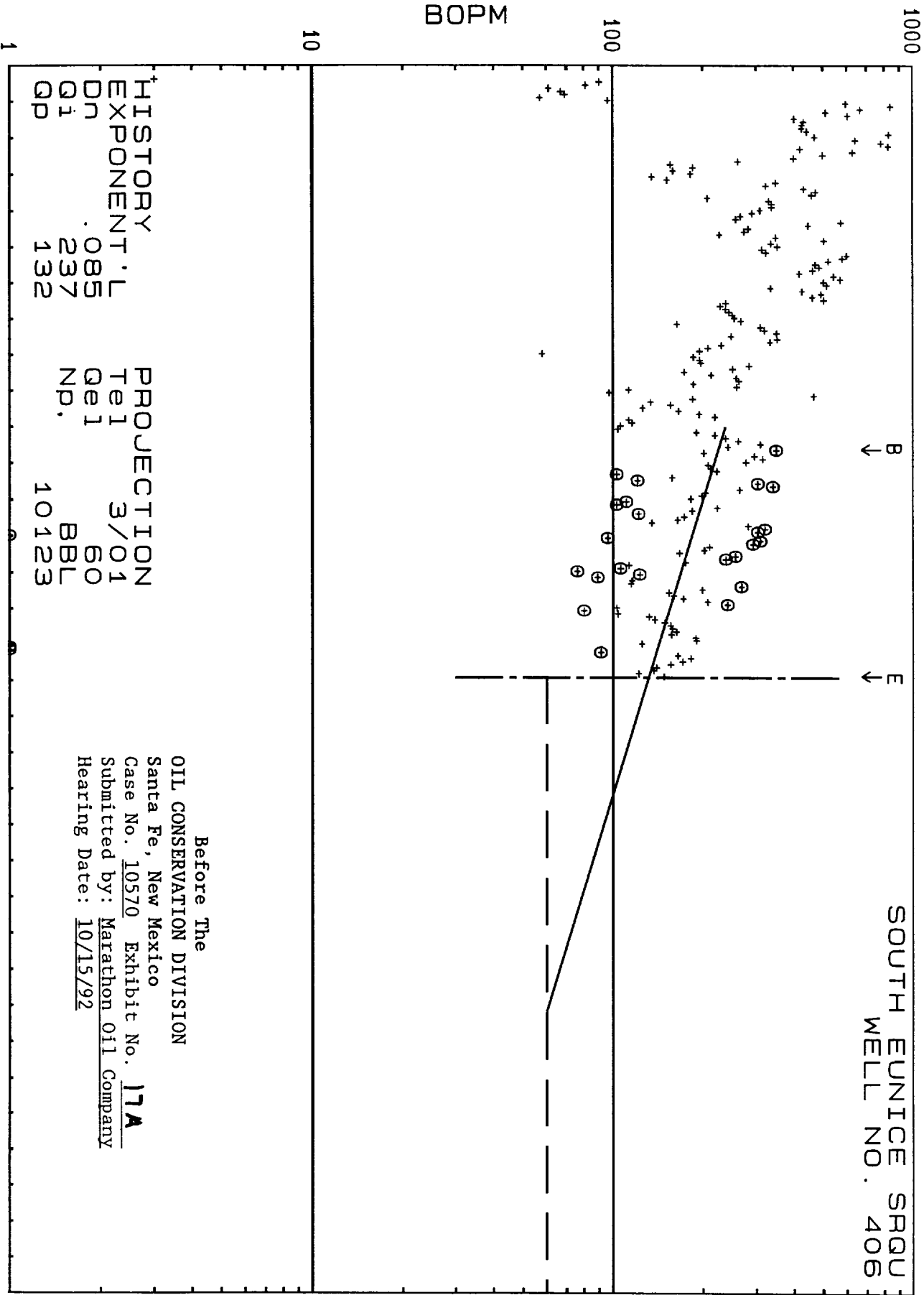
1992

Before The
OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Case No. 10570 Exhibit No. 16L
Submitted by: Marathon Oil Company
Hearing Date: 10/15/92



SOUTH EUNICE SRQU
WELL NO. 406

B ↓
E ↓



HISTORY
EXPONENT'L
DN 085
Qi 237
QD 132

PROJECTION
Te1 3/01
Qe1 60
NP. BBL
10123

Before The
OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Case No. 10570 Exhibit No. 17A
Submitted by: Marathon Oil Company
Hearing Date: 10/15/92

1000

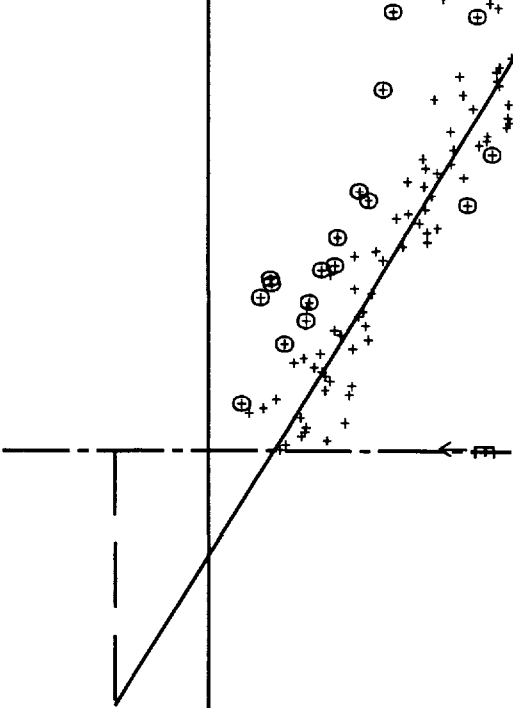
100

BOPM

10

1

SOUTH EUNICE SRQU
WELL NO. 409

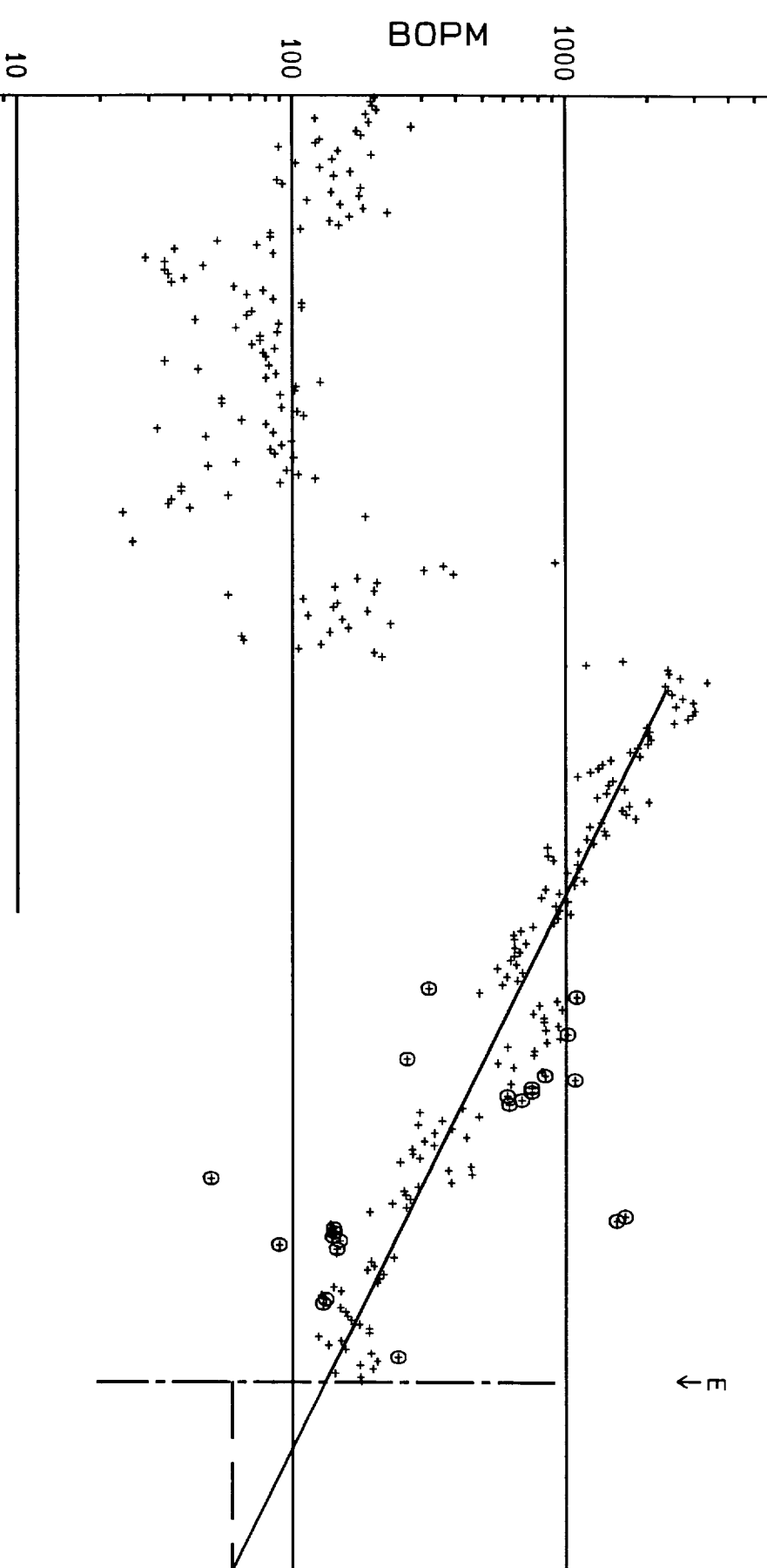


HISTORY
EXPONENT 'L
DN 186
Q1 630
QP 144

PROJECTION
Te1 8/96
Qe1 60
NP. BBL
5364

Before The
OIL CONSERVATION DIVISION
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Submitted by: Marathon Oil Company
Hearing Date: 10/15/92

SOUTH EUNICE SRQU
WELL NO. 412



HISTORY
EXPONENT'L
Dn 206
Qi 2320
Qp 131

PROJECTION
Te1 + 10/95
Ge1 60
Np, BBL
4144

Before The
OIL CONSERVATION DIVISION
Santa Fe, New Mexico
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Submitted by: Marathon Oil Company
Hearing Date: 10/15/92

10000

SOUTH EUNICE SRQU
WELL NO. 416

B ↓
E ↓

1000

BOPM

100

10

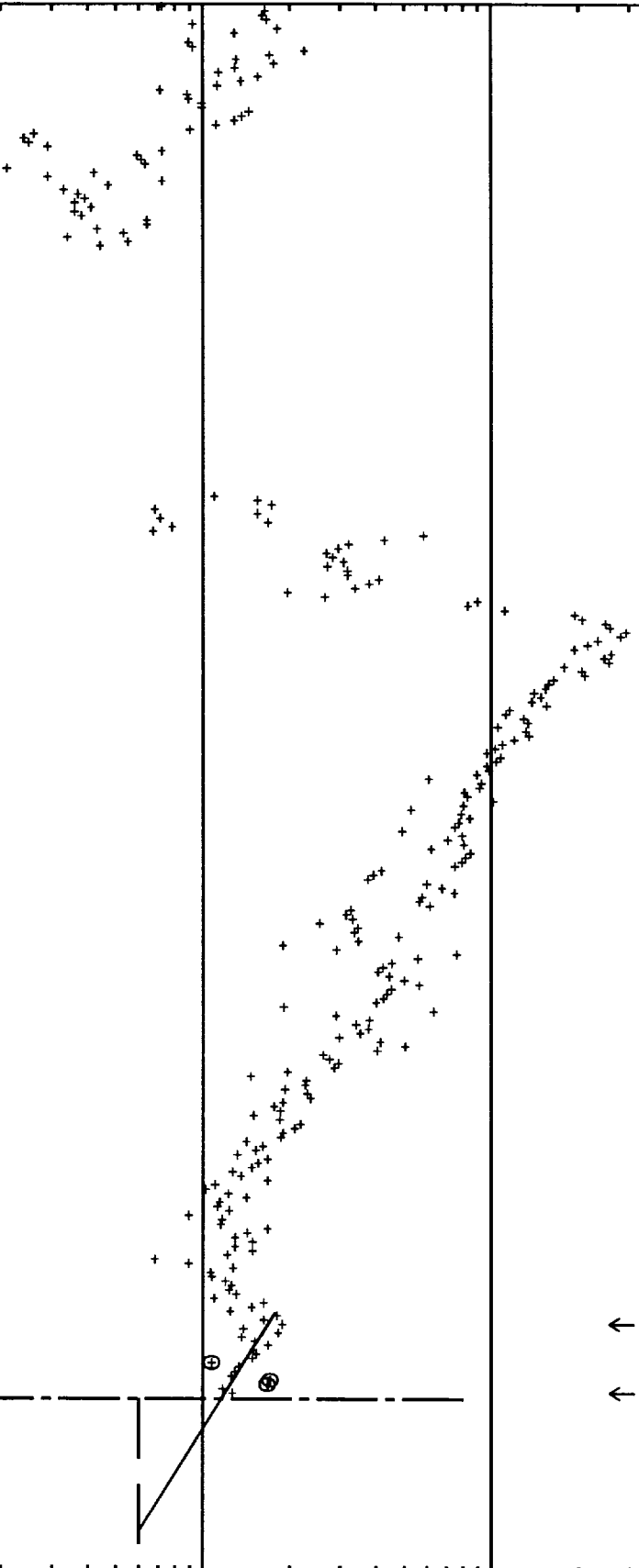
1

66 68 70 72 74 76 78 80 82 84 86 88 90 92 94

HISTORY
EXPONENT'L
Dn 259
Q1 178
Qp 116

PROJECTION
Te1 3/95
Qe1 60
NP. BBL
2564

Before The
OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Case No. 10570 Exhibit No. **17D**
Submitted by: Marathon Oil Company
Hearing Date: 10/15/92



1000

B ↓

E ↓

SOUTH EUNICE SRQU
WELL NO. 435

BOPM

100

10

1

84 85 86 87 88 89 90 91 92 93 94 95

HISTORY
EXPONENT 'L
DN 126
Q1 159
QD 88

PROJECTION
Te1 9/95
Qe1 60
NP, BBL
2655

Before The
OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Case No. 10570 Exhibit No. 17E
Submitted by: Marathon Oil Company
Hearing Date: 10/15/92

1000

BOPM

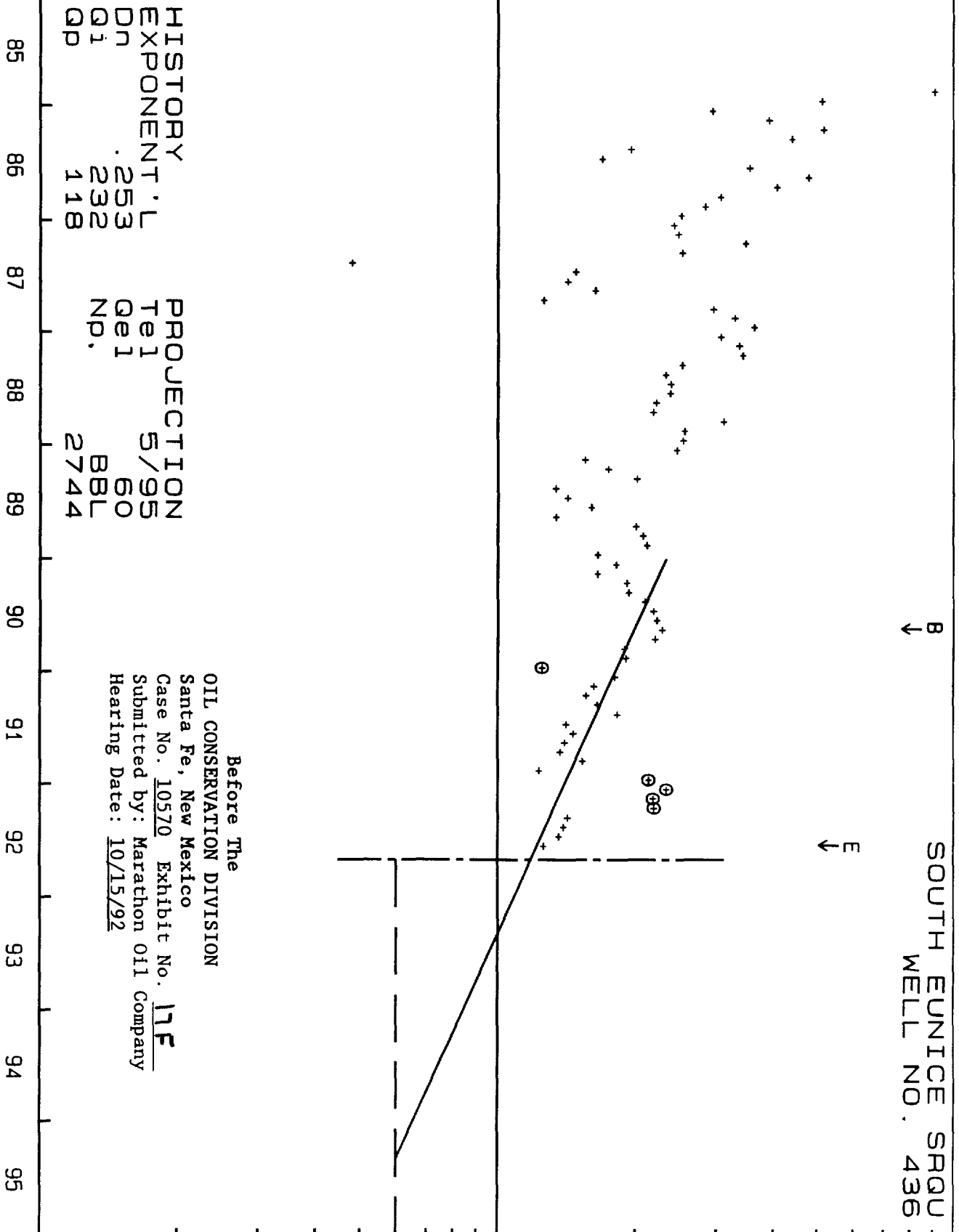
100

10

B
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E
↑

SOUTH EUNICE SRQU
WELL NO. 436



HISTORY
EXPONENT
DR
Q1
QD

PROJECTION
Te1
Qe1
NP,
5/95
60
BBL
2744

Before The
OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Case No. 10570 Exhibit No. 17F
Submitted by: Marathon Oil Company
Hearing Date: 10/15/92

1000

BOPM

100

10

B SOUTH EUNICE SRQU
↑
WELL NO. 437

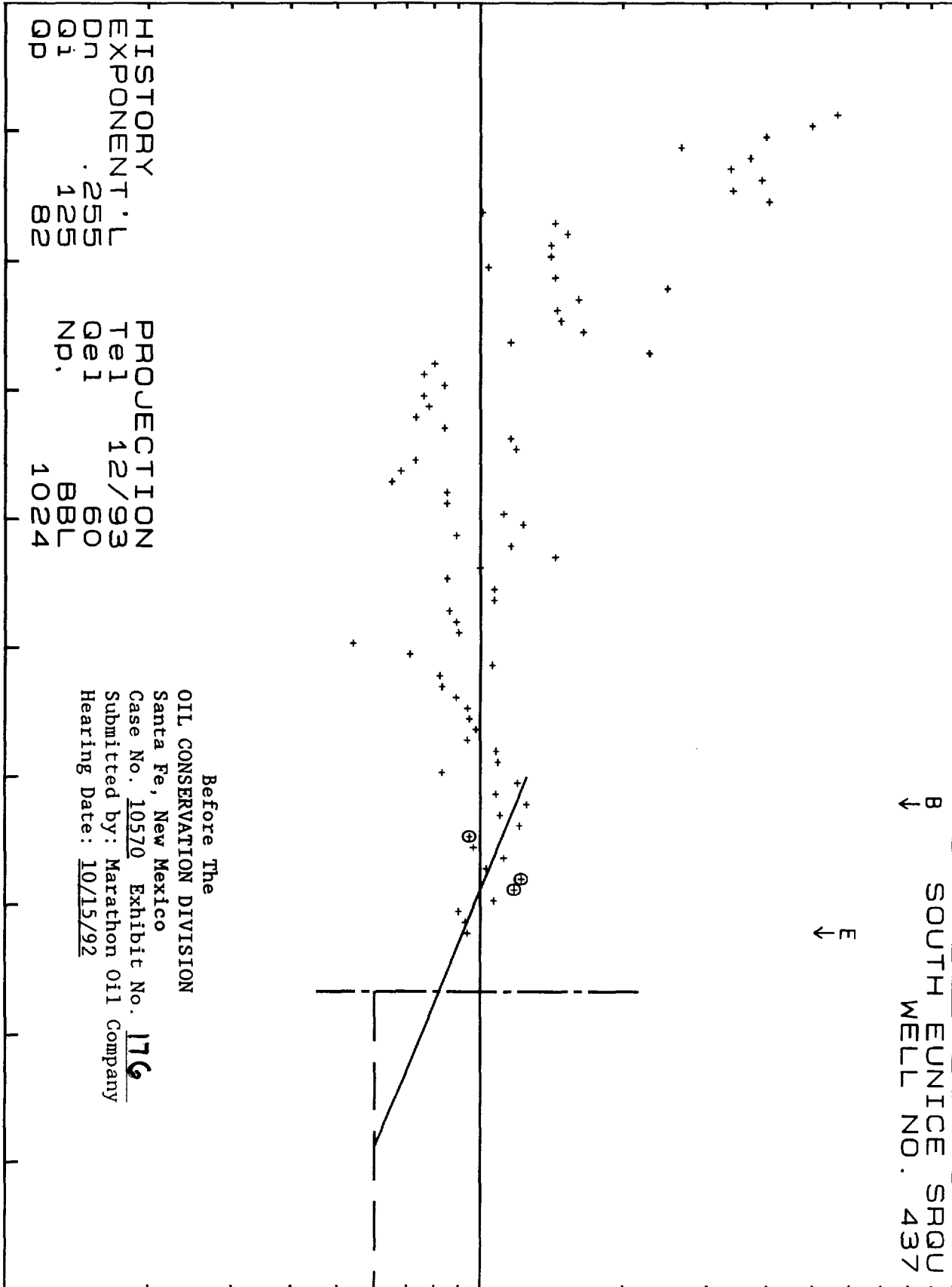
E
↑

85 86 87 88 89 90 91 92 93 94

HISTORY
EXPONENT
ON 255
Q1 125
QD 82

PROJECTION
Te1 12/93
Qe1 60
NP. 88L
1024

Before The
OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Case No. 10570 Exhibit No. 176
Submitted by: Marathon Oil Company
Hearing Date: 10/15/92



1000

B E SOUTH EUNICE SRQU
↓ ↓ WELL NO. 438

BOPM

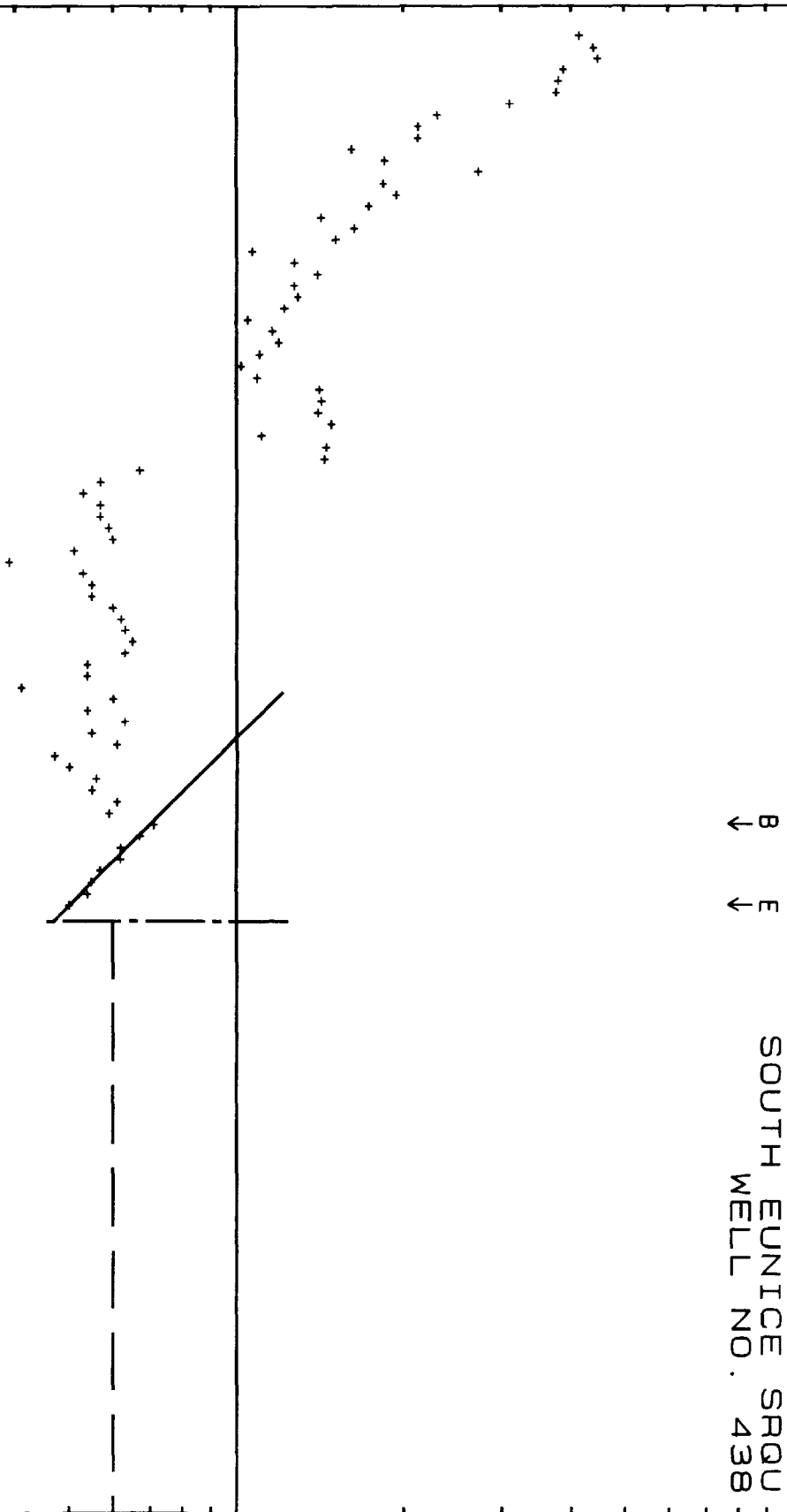
100

10

HISTORY
EXPONENT'L
Dn .568
Q1 121
Qp 47

PROJECTION
Te1 4/92
Ge1 60
NP. BBL
-277

Before The
OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Case No. 10570 Exhibit No. 114
Submitted by: Marathon Oil Company
Hearing Date: 10/15/92



10000

B
↑
E
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SOUTH EUNICE SRQU
WELL NO. 439

Before The
OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Case No. 10570 Exhibit No. 17 I
Submitted by: Marathon Oil Company
Hearing Date: 10/15/92

BOPM

1000

100

10

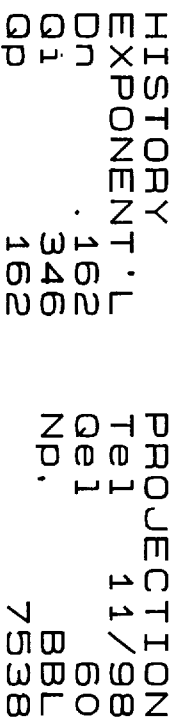
85 87 89 91 93 95 97 99 01 03 05 07 09 11 13

HISTORY
EXPONENT'L
DN 102
Q1 913
QP 512
PROJECTION
Te1 9/13
Qe1 60
NP. BBL
53194

→ E

→ B

BOPM



1000

B ↓ E ↓ SOUTH EUNICE SRQU
PATTERN REDUCTION AREA

100

BOPD

10

1

71 73 75 77 79 81 83 85 87 89 91 93 95 97 99 01

HISTORY
EXPONENT 'L
DN 112
Q1 98
QP 52

PROJECTION
Te1 8/99
Qe1 24
NP, BBL
89546

Before The
OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Case No. 10570 Exhibit No. 18
Submitted by: Marathon Oil Company
Hearing Date: 10/15/92