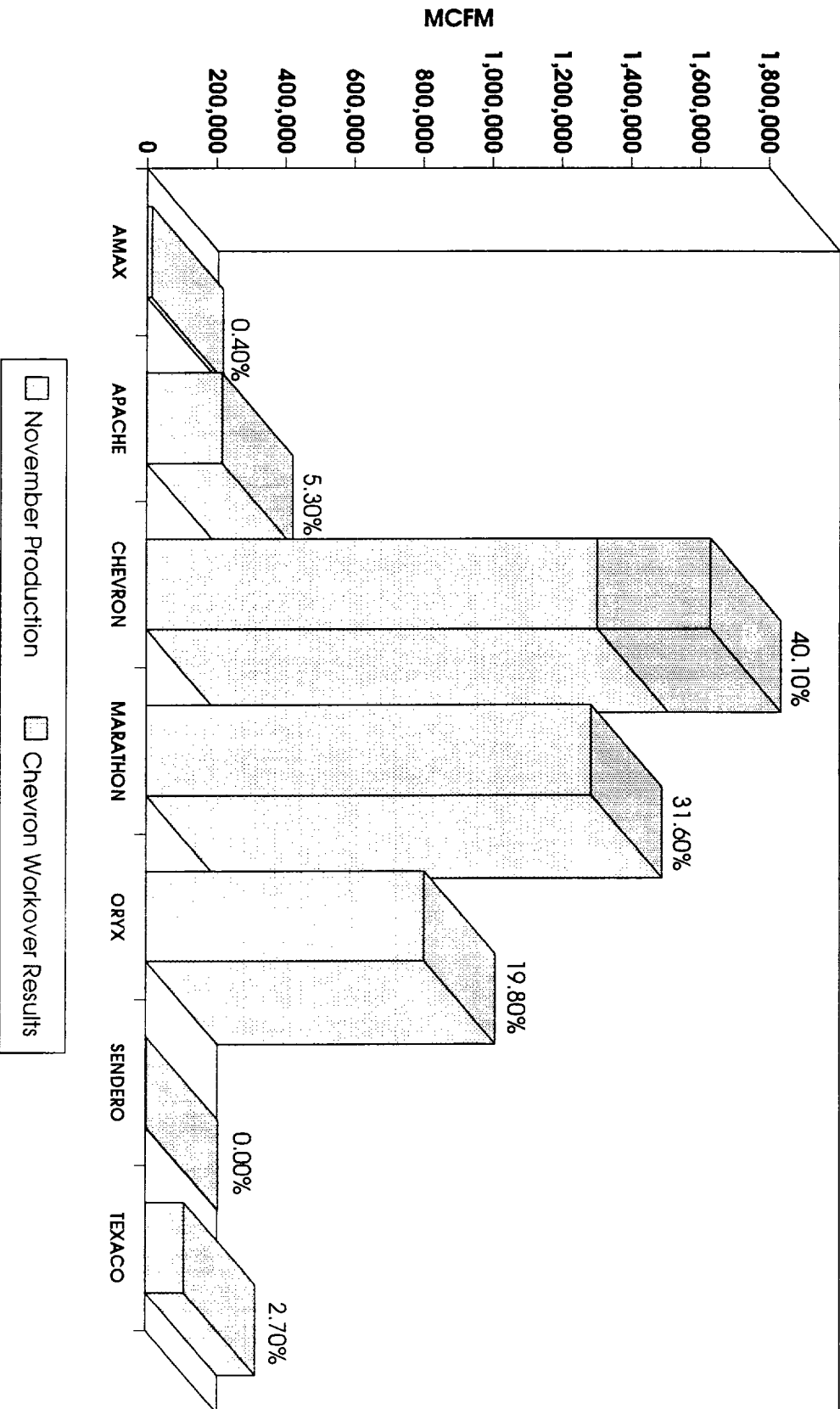


Chevron Exhibits 1 through 6

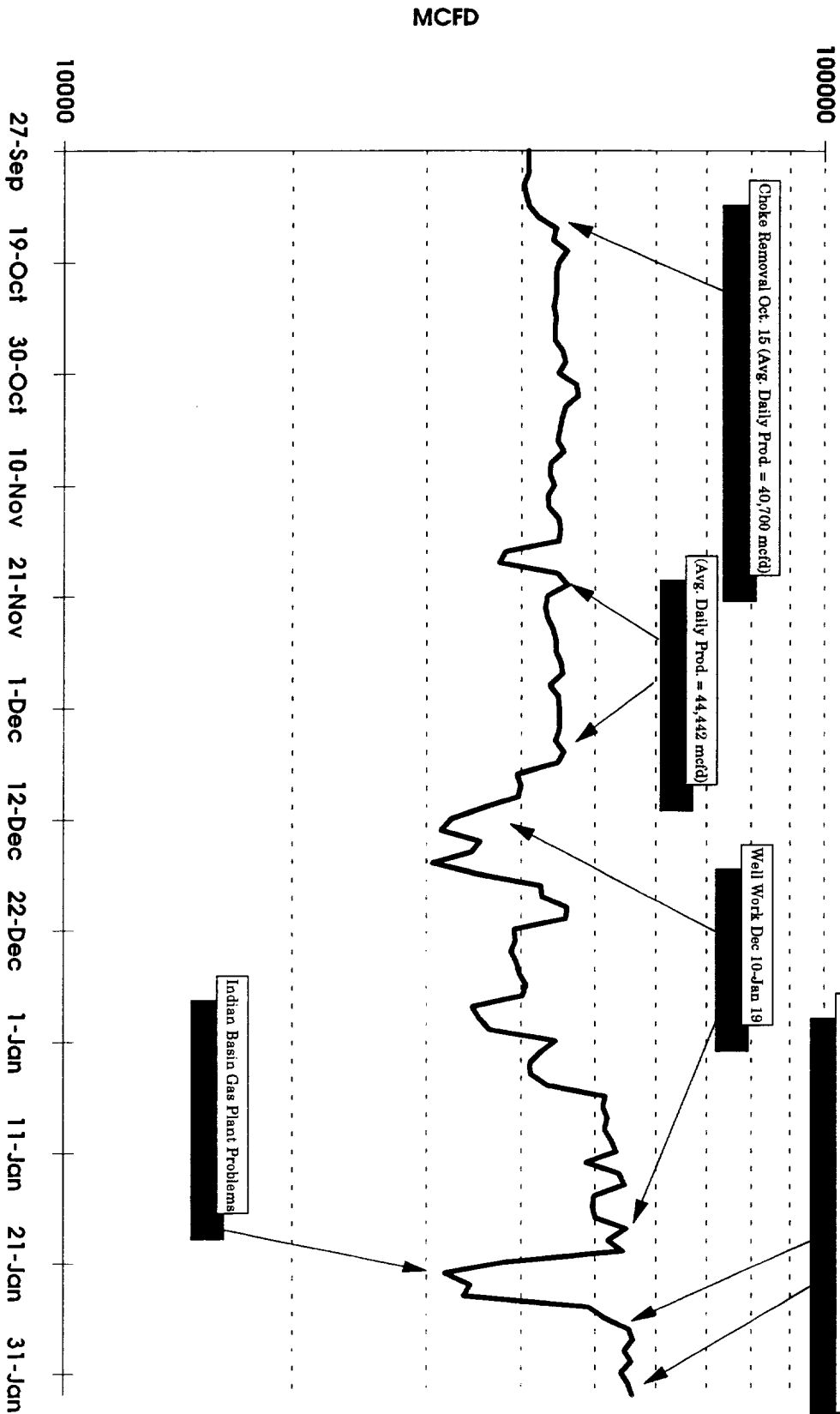
## Indian Basin Upper Penn Pool

Production by Operator



10/5/12  
Chevron U.S.A.  
2/25/13

# **INDIAN BASIN POOL** **CHEVRON OPERATED PRODUCTION**



16,412 10,000 2  
 by Chevron U.S.A.  
 Date 2/25/93

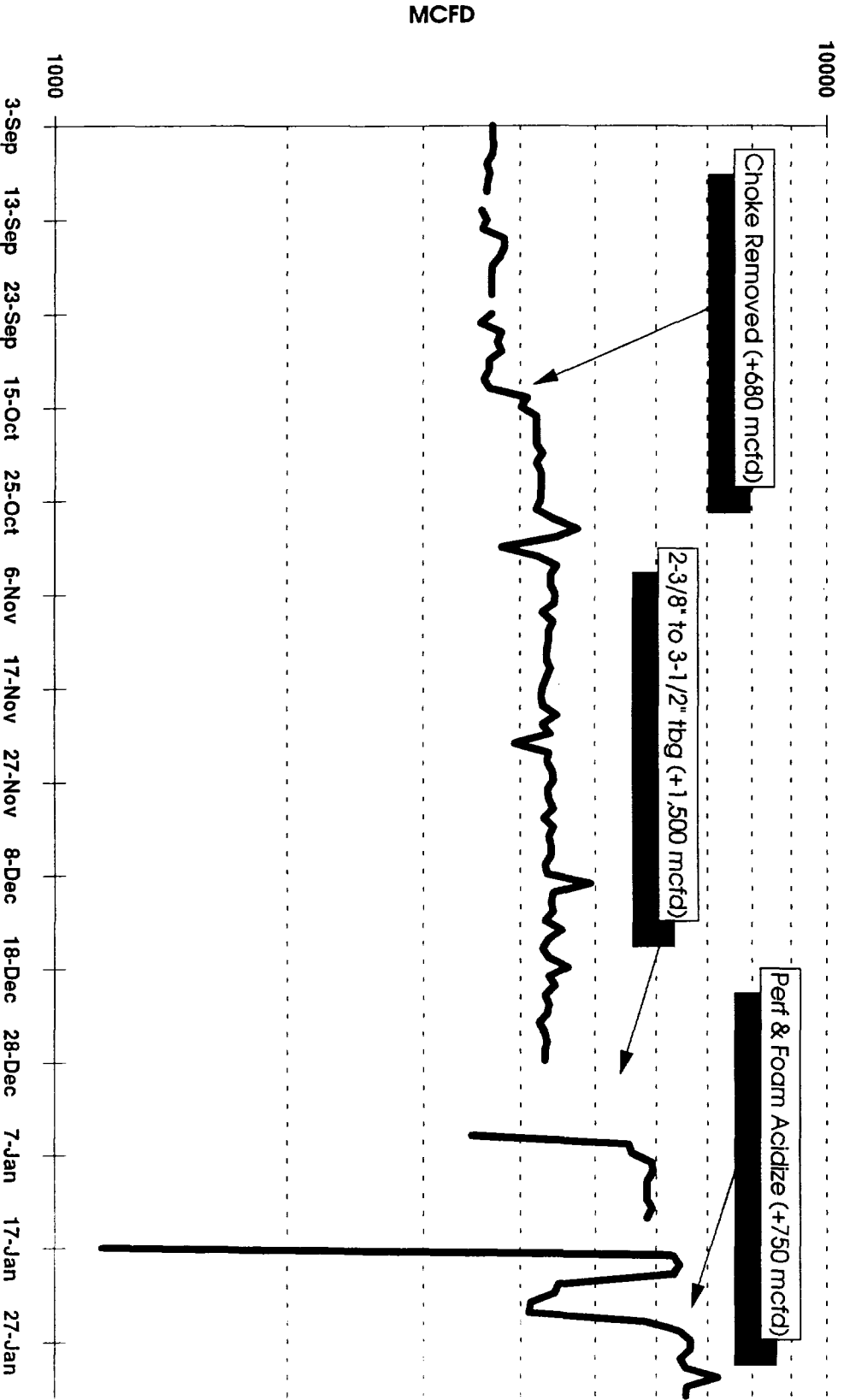
19672

3

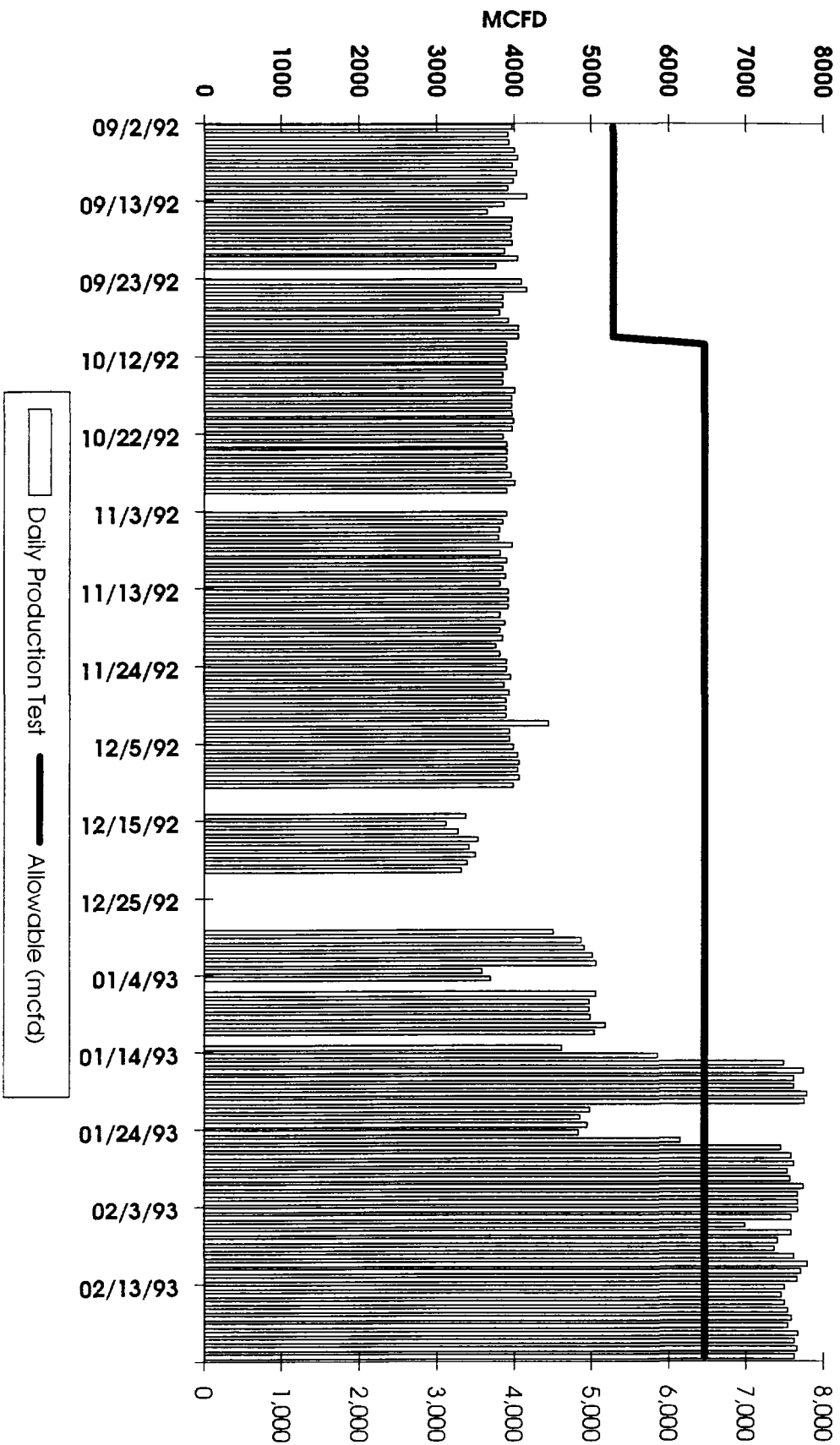
Chevron U.S.A.

2/25/93

# Chevron's Federal Gas Com '33' #1

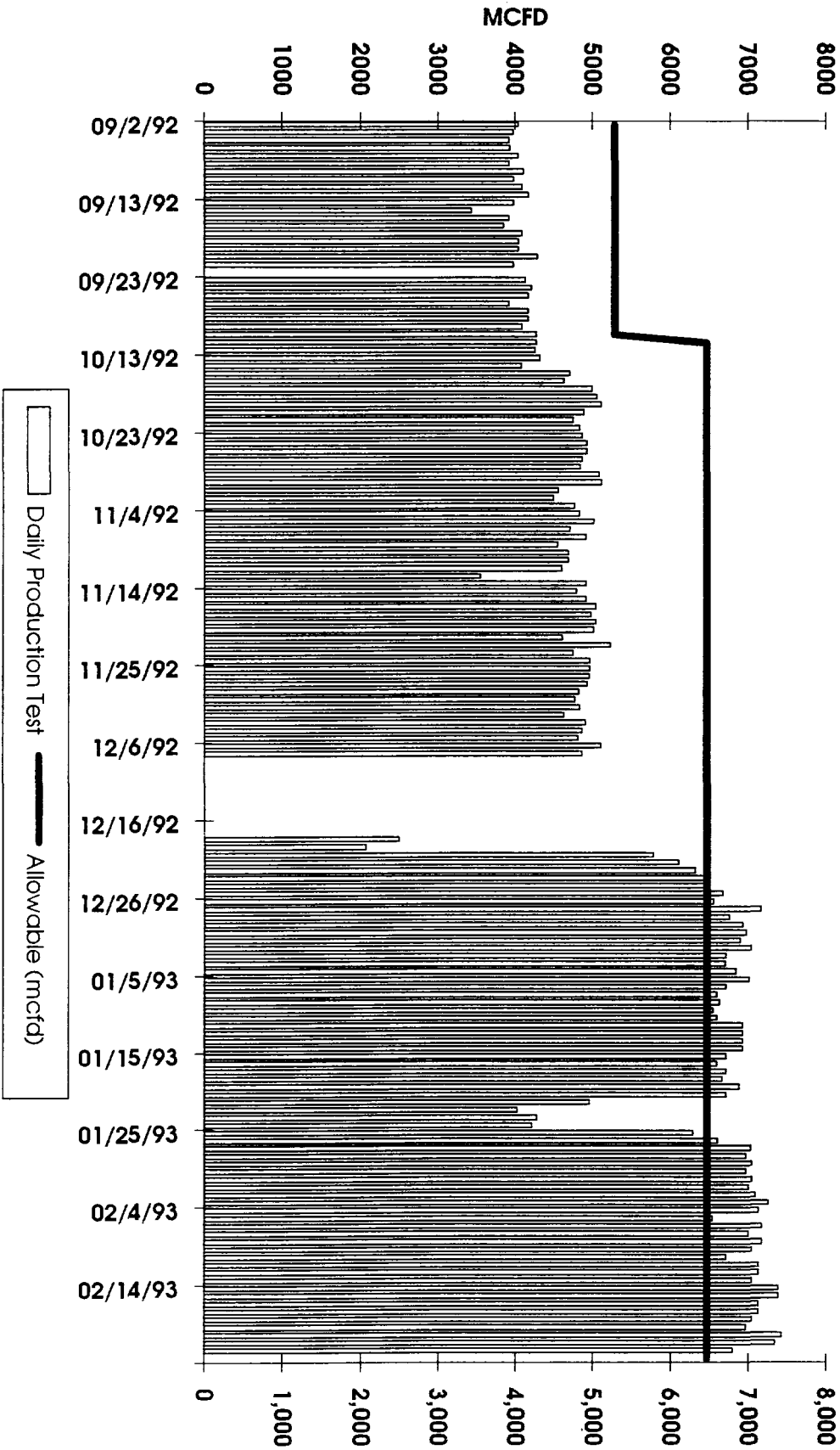


# CHEVRON'S BOGLE FLATS UNIT #3



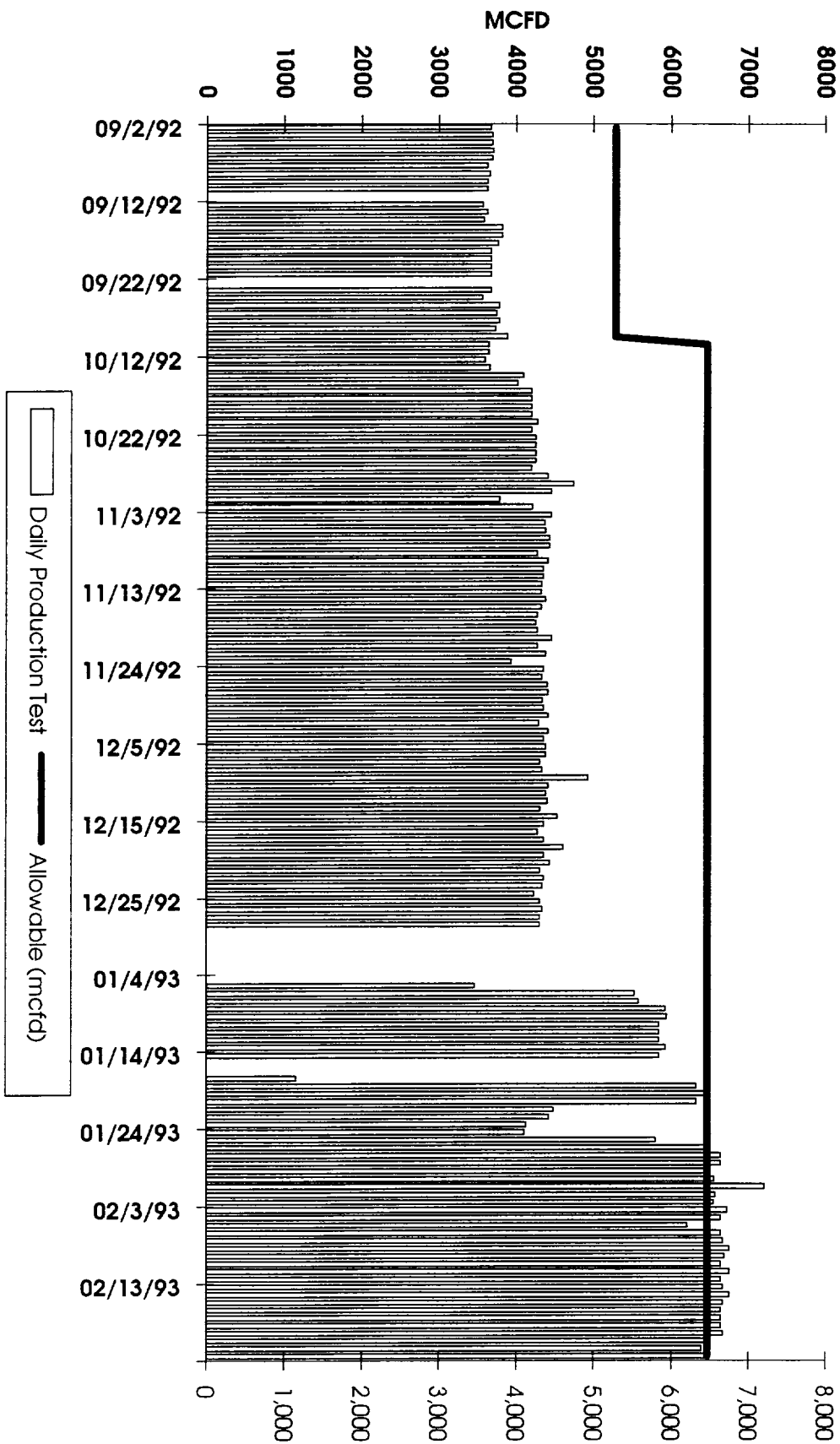
1987  
Chevron U.S.A.  
2/25/93

# CHEVRON'S BOGLE FLATS UNIT #4



10/6/92  
Chevron USA  
2/25/93

# CHEVRON'S FEDERAL GAS COM '33' #1



*Amoco Exhibit 1  
Complete*

AMOCO RECOMMENDED POOL ALLOWABLES  
NORTHWEST NEW MEXICO  
APRIL 93 - SEPTEMBER 93

	<u>BASIN</u>	<u>BLANCO</u>	<u>BLANCO</u>	<u>TAPACITO</u>
	<u>DAKOTA</u>	<u>MESAVERDE</u>	<u>P.C. SOUTH</u>	
NMOC D PRELIMINARY ESTIMATE	8,171,546	14,317,142	1,257,285	234,942
AMOCO RECOMMENDED ADJUSTMENT	1,500,000	2,900,000	100,000	75,000
	_____	_____	_____	_____
MONTHLY POOL ALLOWABLE	9,671,546	17,217,142	1,357,285	309,942

AMOCO RECOMMENDED POOL ALLOWABLES  
NORTHWEST NEW MEXICO  
APRIL 93 - SEPTEMBER 93

	<u>BASIN</u>	<u>BLANCO</u>	<u>BLANCO</u>	<u>TAPACITO</u>
	<u>DAKOTA</u>	<u>MESAVERDE</u>	<u>P.C. SOUTH</u>	
NMOC D PRELIMINARY ESTIMATE	8,171,546	14,317,142	1,257,285	234,942
AMOCO RECOMMENDED ADJUSTMENT	1,500,000	2,900,000	100,000	75,000
MONTHLY POOL ALLOWABLE	9,671,546	17,217,142	1,357,285	309,942



Exxon Exhibit 1  
Complete

**Tubb Prorated Gas Pool**

**April-October 1993 Allowables**

NMOCD proposed pool monthly allowable 288,492 mcf/mo.

Wells which remain limited by allowable 5 wells

Additional capacity which would be  
limited by proposed allowable

add  
5,928 mcf/mo.

Exhibit No. 1  
Exxon Corporation  
Case No. 10672  
February 25, 1993

**Tubb Prorated Gas Pool**

**April-October 1993 Allowables**

NMOCD proposed pool monthly allowable	288,492 mcf/mo.
Wells which remain limited by allowable	5 wells
Additional capacity which would be limited by proposed allowable	5,928 mcf/mo.

# NORTHWEST NEW MEXICO

## REASONS FOR INCREASED PRODUCTION:

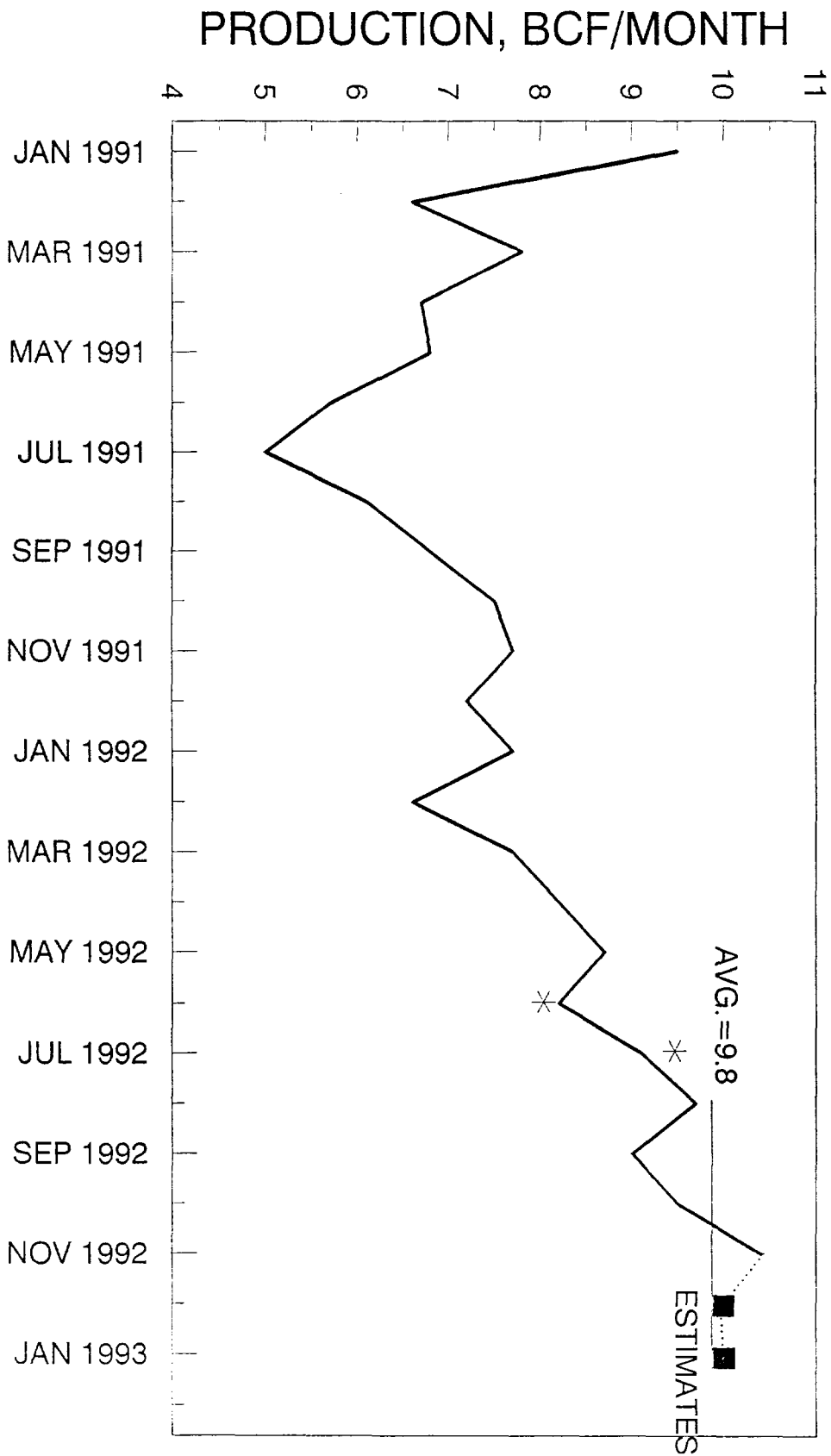
- Increased pipeline capacity out of San Juan Basin
  - EPNG Expansion
  - Transwestern Expansion
- Increased and firming of natural gas prices

**NORTHWEST NEW MEXICO  
POOL ALLOWABLES  
APRIL, 1993 - SEPTEMBER, 1993  
RECOMMENDATIONS  
MCF PER MONTH**

	<b>BASIN DAKOTA</b>	<b>BLANCO MESAVERDE</b>	<b>BLANCO P.C. SOUTH</b>
<b>CURRENT</b>	8,171,546	14,317,142	1,257,285
<b>ADJUSTMENTS</b>	+2,000,000	+3,000,000	+150,000
	=====	=====	=====
<b>MONTHLY POOL ALLOWABLE</b>	10,171,546	17,317,142	1,407,285

OFFICE OF THE ATTORNEY GENERAL  
 STATE OF NEW MEXICO  
 Santa Fe, New Mexico 87501  
 Subject: *10672 Meridian 2*  
 Hearing: \_\_\_\_\_

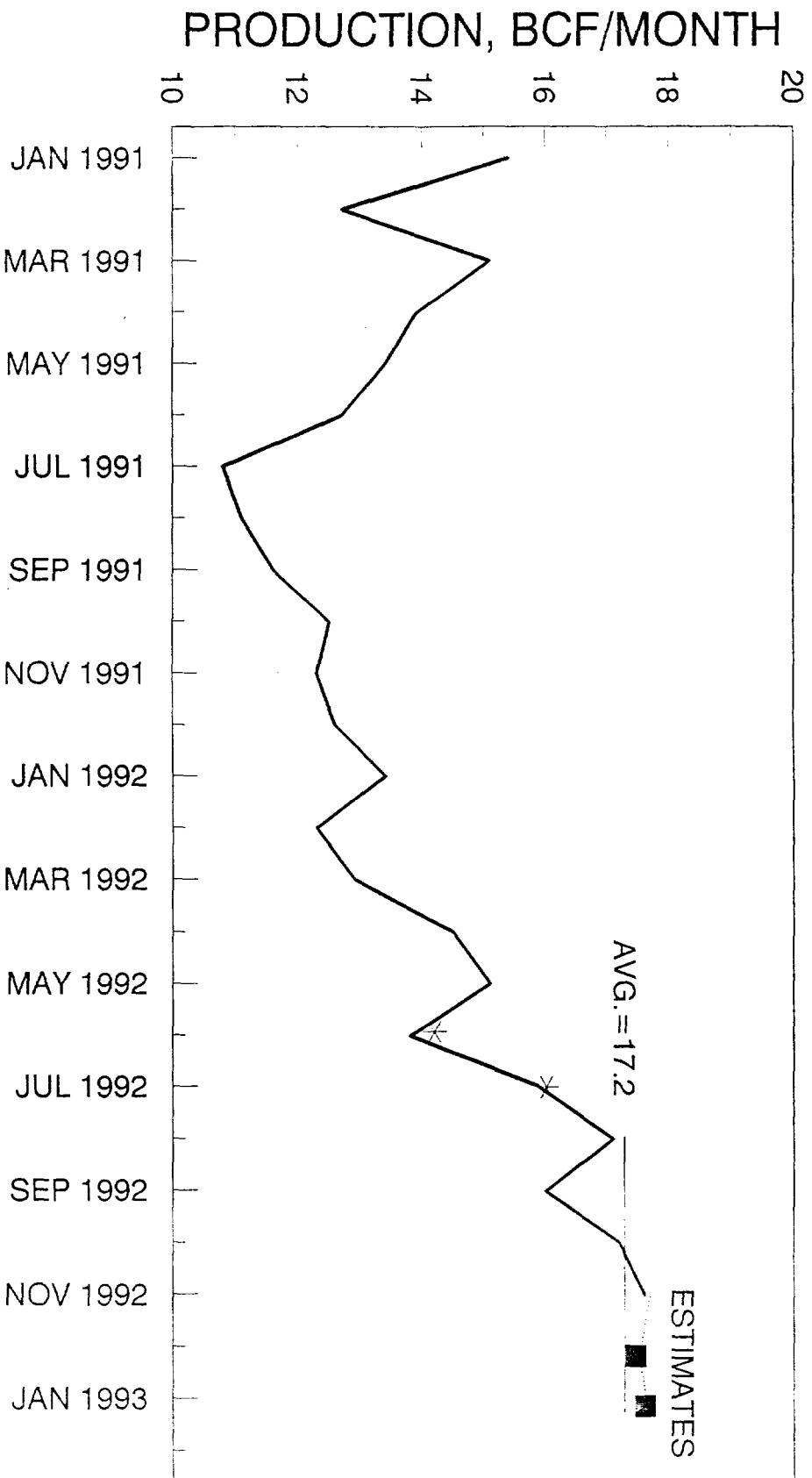
# STATE OF NEW MEXICO POOL ALLOCATION HEARING BASIN DAKOTA POOL



SOURCE: NEW MEXICO MONTHLY STATISTICAL REPORT

Before the  
OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico  
Case No. 10672  
Submitted by: Meridian  
Hearing Room

# STATE OF NEW MEXICO POOL ALLOCATION HEARING BLANCO MESAVERDE POOL



SOURCE: NEW MEXICO MONTHLY STATISTICAL REPORT

OIL COMPANY PRODUCTION REPORT  
 Santa Fe  
 County 10672  
 Suburb Meridian  
 Hearing April 4

**BASIN DAKOTA  
POOL PRODUCTION  
BCF PER MONTH**

	<u>1991</u>	<u>1992</u>	<u>Difference</u>
AUGUST	6.1	9.7	+59%
SEPTEMBER	6.8	9.0	+32%
OCTOBER	7.5	9.5	+27%
NOVEMBER	7.7	10.4	+35%
DECEMBER	7.2	10.0 (est.)	+39%
JANUARY (92/93)	7.7 =====	10.0 (est.) =====	+30% =====
AVERAGE	7.2	9.8	+36%

before the  
OIL CONSERVATION COMMISSION  
San Antonio, Texas  
Case No. 10672  
Submitted by Moridian  
Hearing Date 5

# BLANCO MESAVERDE POOL PRODUCTION BCF PER MONTH

	<u>1991</u>	<u>1992</u>	<u>Difference</u>
AUGUST	11.1	17.1	+54%
SEPTEMBER	11.6	16.0	+38%
OCTOBER	12.5	17.2	+38%
NOVEMBER	12.3	17.6	+43%
DECEMBER	12.6	17.5 (est.)	+39%
JANUARY (92/93)	13.4	17.6 (est.)	+31%
	=====	=====	=====
AVERAGE	12.2	17.2	+41%

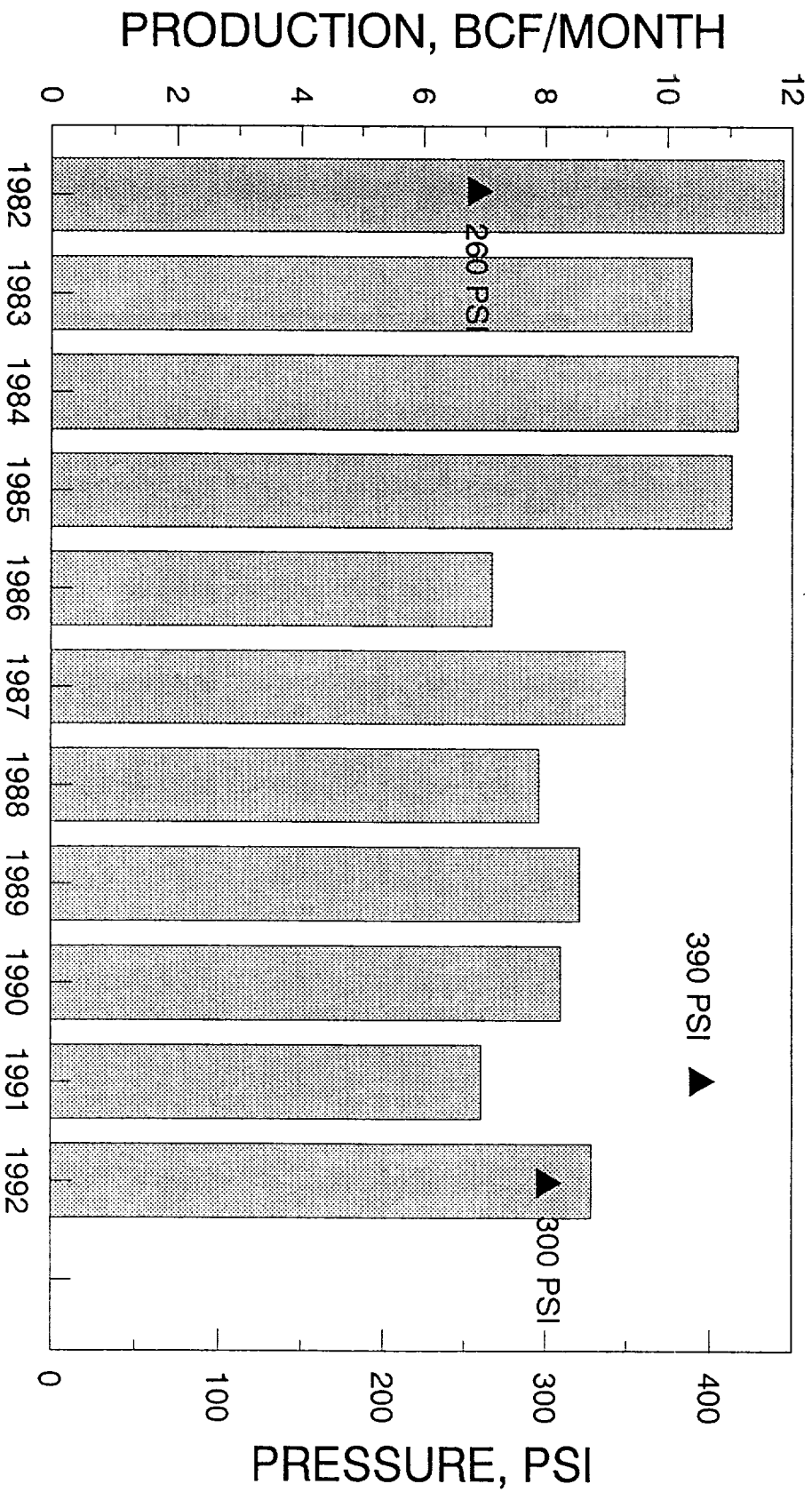
Before the  
OIL CONSERVATION COMMISSION  
San Antonio, Texas  
Case No. 10672 Moravia, L  
Submitted by: \_\_\_\_\_  
Heard and Reported: \_\_\_\_\_



# BLANCO P.C. SOUTH POOL PRODUCTION BCF PER MONTH

	<u>1991</u>	<u>1992</u>	<u>Difference</u>
AUGUST	0.7	1.4	+100%
SEPTEMBER	0.9	1.2	+33%
OCTOBER	0.9	1.4	+56%
NOVEMBER	1.0	1.4	+40%
DECEMBER	1.1	1.5 (est.)	+36%
JANUARY (92/93)	1.2	1.4 (est.)	+17%
	=====	=====	=====
AVERAGE	1.0	1.4	+40%

# NORTHWEST NEW MEXICO PRORATED POOL PRODUCTION BASIN DAKOTA



# **NORTHWEST NEW MEXICO PRORATED POOL PRODUCTION BLANCO MESAVERDE**

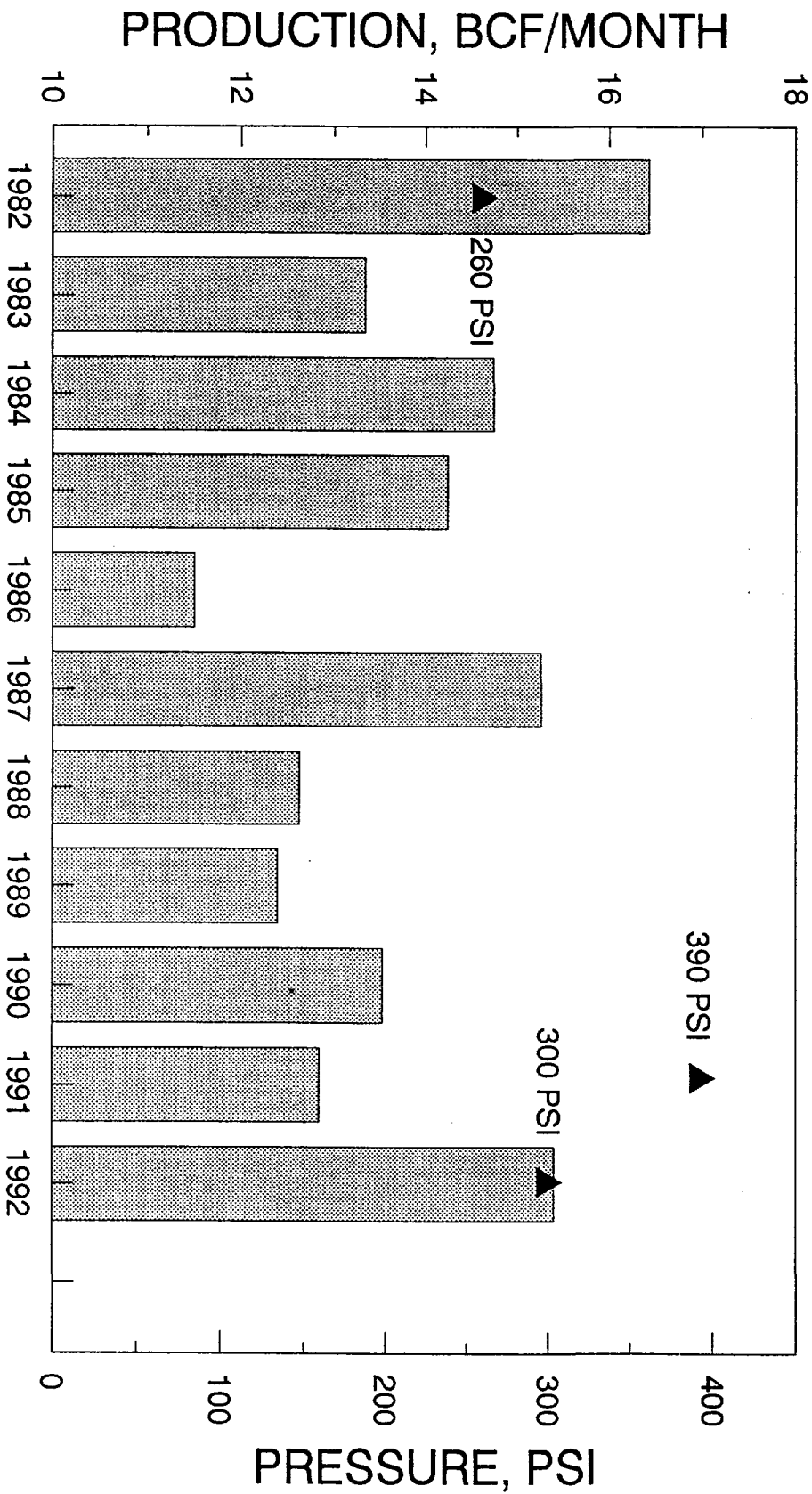


Exhibit "B"  
Case No. 10377  
Order No. R-9586

ENGP216AT-ENGP216A-01  
RUN-TIME: 08:13:57

MARKET DEMAND AND ALLOWABLE DETERMINATION SCHEDULE  
PRORATED GAS POOLS - NORTHWEST NEW MEXICO  
FOR OCT 91 THRU MAR 92

	BASIN DAKOTA	BLANCO MESA VERDE	BLANCO P.C. SOUTH	TAPACITO
( 1 ) AVERAGE MONTHLY POOL SALES OCT90-MAR91 ALL VOLUME ARE IN MCF.	8,033,542	13,999,619	1,185,220	204,195
( 2 ) TOTAL NOMINATIONS AVG MONTH VOL.	795,852	555,611	56,094	41,426
( 3 ) ADJUSTMENTS.		46,000		
( 4 ) MONTHLY POOL ALLOWABLE OCT91-MAR92 (LINE 1 + LINE 3.)	8,033,542	14,045,619	1,185,220	204,195
( 5 ) MONTHLY MARGINAL POOL ALLOWABLE OCT91-MAR92	4,180,677	6,597,257	515,312	81,801
( 6 ) MONTHLY NON-MARGINAL POOL ALLOWABLES OCT91-MAR92 LINE 4 - LINE 5	3,852,865	7,448,362	669,908	122,394
( 7 ) NUMBER OF NON-MARGINAL ACREAGE FACTORS	433.65	599.93	456.61	91.74
( 8 ) NUMBER OF NON-MARGINAL ACREAGE TIMES DELIVERABILITY FACTORS	206,913	442,938	27,586	9,304
( 9 ) MONTHLY ACREAGE ALLOCATE FACTOR OCT91-MAR92	5,330	3,103	366	333
(10) MONTHLY ACREAGE TIMES DELIVERABILITY ALLOCATE FACTOR OCT91-MAR92	7.44	12.61	18.21	9.86

Before the  
OIL CONSERVATION COMMISSION  
Case No. 10672 Exhibit No. 10  
Submitted By: MERIDIAN  
Hearing Date:

ENGP216T--ENGP216-01  
 RUN-TIME: 06:56:50

EXHIBIT "B" CASE NO. 10450  
 MARKET DEMAND AND ALLOWABLE DETERMINATION SCHEDULE  
 PRORATED GAS POOLS - NORTHWEST NEW MEXICO  
 FOR APR92 THRU SEP92

RUN-DATE 03/23/92

BASIN BLANCO BLANCO TAPACITO  
 DAKOTA MESA VERDE P.C. SOUTH

( 1 ) AVERAGE MONTHLY 5,063,716 12,179,306 864,713 197,234  
 POOL SALES  
 APR91-SEP91  
 ALL VOLUME ARE IN MCF.

( 2 ) TOTAL  
 NOMINATIONS  
 AVG MONTH VOL.

( 3 ) ADJUSTMENTS. 2,000,000 3,000,000 150,000 100,000

( 4 ) MONTHLY POOL 7,063,716 15,179,306 1,014,713 297,234  
 ALLOWABLE  
 APR92-SEP92  
 (LINE 1 + LINE 3.)

( 5 ) MONTHLY MARGINAL 3,011,033 5,209,632 428,939 91,827  
 POOL ALLOWABLE  
 APR91-SEP91

( 6 ) MONTHLY 4,052,683 9,969,674 585,774 205,407  
 NON-MARGINAL  
 POOL ALLOWABLES  
 APR92-SEP92  
 LINE 4 - LINE 5

( 7 ) NUMBER OF 289.09 567.72 326.02 78.68  
 NON-MARGINAL  
 ACREAGE FACTORS

( 8 ) NUMBER OF 151,820 351,062 18,945 5,808  
 NON-MARGINAL  
 ACREAGE TIMES  
 DELIVERABILITY  
 FACTORS

( 9 ) MONTHLY ACREAGE 8,411 4,390 449 653  
 ALLOCATE FACTOR  
 APR92-SEP92

(10) MONTHLY ACREAGE 10.68 21.30 23.19 26.52  
 TIMES  
 DELIVERABILITY  
 ALLOCATE FACTOR  
 APR92-SEP92

ENSP216T--ENSP216-01

EXHIBIT <sup>B</sup> X. COMMISSION ORDER NO. R--9734  
MARKET DEMAND AND ALLOWABLE DETERMINATION SCHEDULE  
PRORATED GAS POOLS - NORTH EST NEW MEXICO  
FOR OCT92 THRU MAR93

BASIN      BLANCO      BLANCO      TAPACITO  
DAKOTA      HESA VERDE      P.C. SOUTH

( 1 ) AVERAGE MONTHLY POOL SALES  
OCT91-MAR92  
ALL VOLUME ARE IN MCF.

( 2 ) TOTAL  
NOMINATIONS  
AVG MONTH VOL.

( 3 ) ADJUSTMENTS.      2,000,000      3,000,000      150,000      100,000

( 4 ) MONTHLY POOL ALLOWABLE  
OCT92-MAR93  
(LINE 1 + LINE 3.)      9,145,484      15,265,486      1,211,345      328,640

( 5 ) MONTHLY MARGINAL POOL ALLOWABLE  
OCT91-MAR92      5,050,757      6,686,273      682,476      135,217

( 6 ) MONTHLY NON-MARGINAL POOL ALLOWABLES  
OCT92-MAR93  
LINE 4 - LINE 5      4,094,727      8,579,218      528,869      193,423

( 7 ) NUMBER OF NON-MARGINAL ACREAGE FACTORS      229.86      468.11      303.30      83.10

( 8 ) NUMBER OF NON-MARGINAL ACREAGE TIMES DELIVERABILITY FACTORS      119,193      289,803      14,340      5,710

( 9 ) MONTHLY ACREAGE ALLOCATE FACTOR  
OCT92-MAR93      10,688      4,582      436      582

(10) MONTHLY ACREAGE TIMES  
DELIVERABILITY ALLOCATE FACTOR  
OCT92-MAR93      13.74      22.20      27.66      25.41

ENGP2161--ENGP216-01  
RUN-TIME: 15:40:43

EXHIBIT "B" COMMISSION ORDER NO.  
MARKET DEMAND AND ALLOWABLE DETERMINATION SCHEDULE  
PRORATED GAS POOLS - NORTHWEST NEW MEXICO  
FOR APR93 THRU SEP93

RUN-DATE 02/08/93

BASIN BLANCO BLANCO TAPACITO  
DAKOTA MESA VERDE P.C. SOUTH

(11) AVERAGE MONTHLY 8,171,546 14,317,142 1,257,285 234,942  
POOL SALES  
APR92-SEP92  
ALL VOLUME ARE IN MCF.

(12) TOTAL  
NOMINATIONS  
AVG MONTH VOL.

(13) ADJUSTMENTS.

(14) MONTHLY POOL 8,171,546 14,317,142 1,257,285 234,942  
ALLOWABLE  
APR93-SEP93  
(LINE 1 + LINE 3.)

(15) MONTHLY MARGINAL 6,377,077 8,886,664 868,301 146,291  
POOL ALLOWABLE  
APR92-SEP92

(16) MONTHLY 1,794,469 5,430,478 388,984 88,651  
NON-MARGINAL  
POOL ALLOWABLES  
APR93-SEP93  
LINE 4 - LINE 5

(17) NUMBER OF 259.84 471.26 332.22 79.10  
NON-MARGINAL  
ACREAGE FACTORS

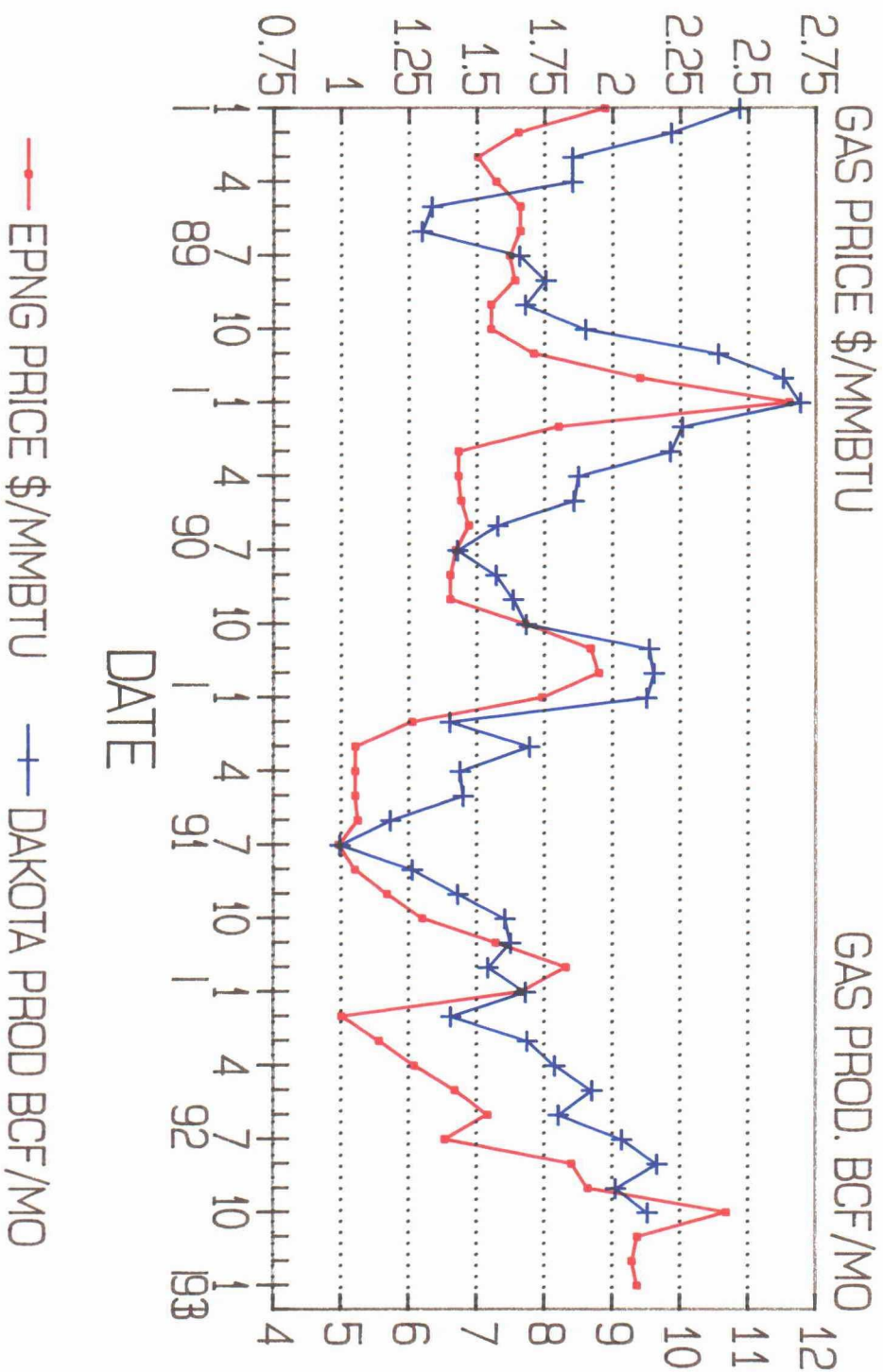
(18) NUMBER OF 117,671 241,798 15,894 6,114  
NON-MARGINAL  
ACREAGE TIMES  
DELIVERABILITY  
FACTORS

(19) MONTHLY ACREAGE 4,143 2,880 292 280  
ALLOCATE FACTOR  
APR93-SEP93

(10) MONTHLY ACREAGE 6.09 16.84 18.35 10.87  
TIMES  
DELIVERABILITY  
ALLOCATE FACTOR  
APR93-SEP93

Phillips Exhibits 1 through  
Complete Set

# COMPARISON OF PRICE VS. PRODUCTION EXHIBIT #1 SAN JUAN BASIN DAKOTA



Before the  
OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico  
Case No. 10672  
Submitted by: Phillips  
Hearing Date: 2/25/93



## EXHIBIT # 2

BASIN DAKOTA PRORATION ALLOWABLE PERIOD 4/93 – 9/93  
EFFECT OF NON-MARGINAL POOL ALLOWABLE ON GPU ALLOWABLE

		4/92-9/92 ACTUAL	4/93-9/93 OCD PROP.	4/93-9/93 PHILLIPS PROP.
<b>NON MARGINAL POOL ALLOWABLE</b>		4052683.00	1794469.00	4400000.00
NO. OF NON MARGINAL ACREAGE FACTORS		289.09	259.84	259.84
NON MARGINAL AD FACTORS		151820.00	117671.00	117671.00
F1 MO. ACREAGE ALLOCATION FACTOR		8411.26	4143.63	10160.10
F2 MO. AD ALLOCATION FACTOR		10.68	6.10	14.96
 <b>GPU DELIVERABILITY MCFD</b>	<b>425</b>			
GPU ACREAGE FACTOR	1			
ACREAGE PORTION OF ALLOWABLE 60% N		8411.26	4143.63	10160.10
AD PORTION OF ALLOWABLE 40% MCF/MO		4537.98	2592.48	6356.71
TOTAL GPU ALLOWABLE MCF/MO		12949.24	6736.11	16516.80
GPU ALLOWABLE, % OF DELIVERABILITY		1.00	0.52	1.28
 <b>GPU DELIVERABILITY MCFD</b>	<b>650</b>			
GPU ACREAGE FACTOR	1			
ACREAGE PORTION OF ALLOWABLE 60% N		8411.26	4143.63	10160.10
AD PORTION OF ALLOWABLE 40% MCF/MO		6940.44	3964.97	9722.02
TOTAL GPU ALLOWABLE MCF/MO		15351.70	8108.60	19882.12
GPU ALLOWABLE, % OF DELIVERABILITY		0.78	0.41	1.01
 <b>GPU DELIVERABILITY MCFD</b>	<b>750</b>			
GPU ACREAGE FACTOR	1			
ACREAGE PORTION OF ALLOWABLE 60% N		8411.26	4143.63	10160.10
AD PORTION OF ALLOWABLE 40% MCF/MO		8008.20	4574.96	11217.72
TOTAL GPU ALLOWABLE MCF/MO		16419.46	8718.60	21377.82
GPU ALLOWABLE, % OF DELIVERABILITY		0.72	0.38	0.94
 <b>GPU DELIVERABILITY MCFD</b>	<b>1000</b>			
GPU ACREAGE FACTOR	1			
ACREAGE PORTION OF ALLOWABLE 60% N		8411.26	4143.63	10160.10
AD PORTION OF ALLOWABLE 40% MCF/MO		10677.60	6099.95	14956.96
TOTAL GPU ALLOWABLE MCF/MO		19088.86	10243.59	25117.05
GPU ALLOWABLE, % OF DELIVERABILITY		0.63	0.34	0.83

## BASIN DAKOTA GAS POOL EXHIBIT #3 FEB. 1993 HEARING

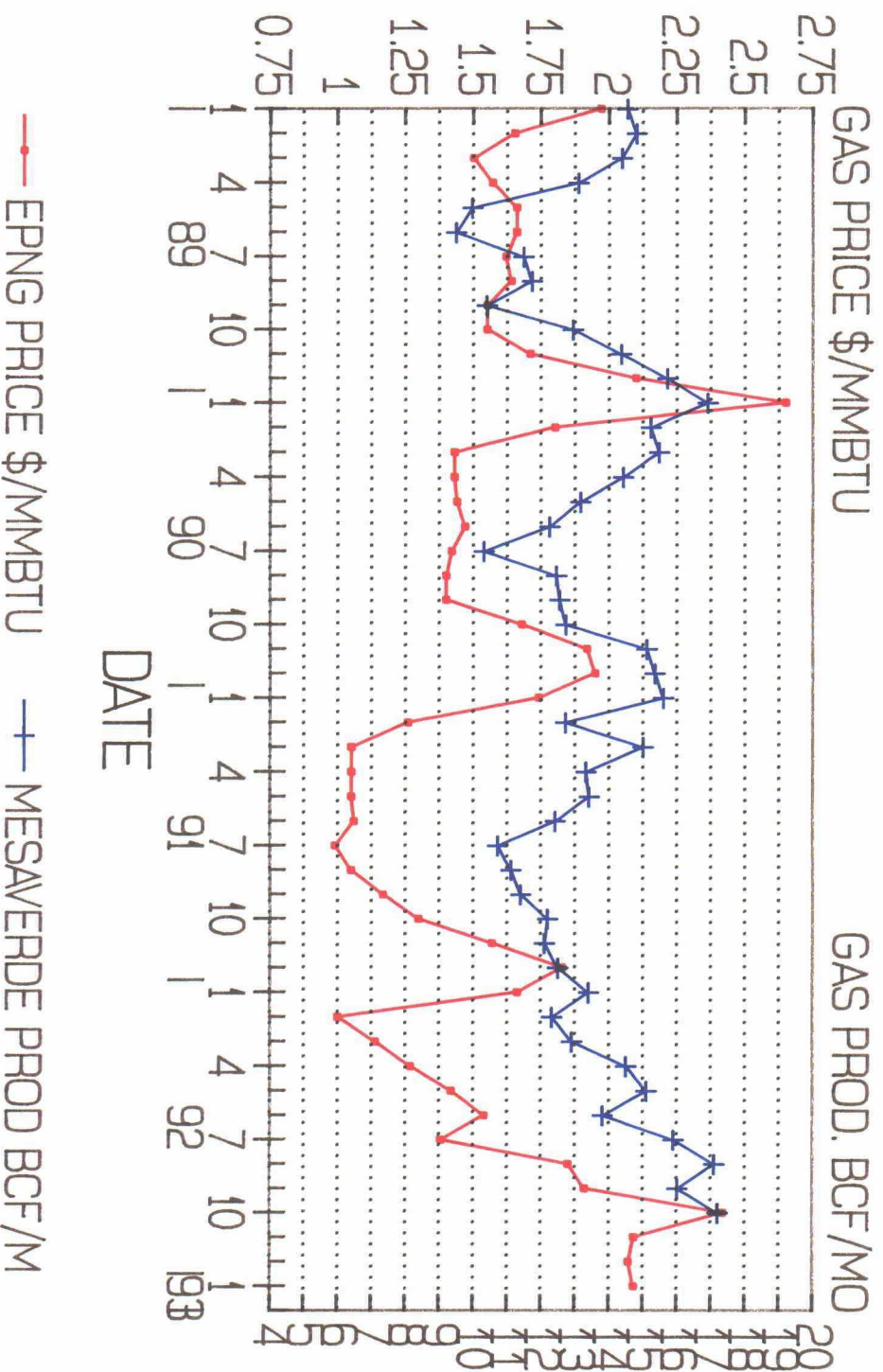
HISTORICALLY PHILLIPS HAS SOUGHT TOTAL POOL ALLOWABLES IN THE 10-11 BCF/MO. RANGE BASED ON CAPACITY TO PRODUCE AND GPU ALLOWABLES NEEDED TO ENCOURAGE DEVELOPMENT.

OPERATORS NOT CONCERNED ABOUT RESERVOIR RELATED CORRELATIVE RIGHTS OR THEY WOULD NOT CURTAIL WHEN PRICES ARE LOW.

PHILLIPS' RECOMMENDATION OF A 2.6 BCF/MO ADJUSTMENT WOULD YIELD AN OVERALL POOL ALLOWABLE OF 10.8 BCF/MO. AND PROVIDE FOR CURTAILMENT ON GPU'S WITH DELIVERABILITIES IN EXCESS OF 650 MCFD. THIS LEVEL IS NECESSARY TO PROMOTE INFILL DRILLING SINCE EXISTING PARENT WELLS OFTEN PRODUCE IN EXCESS OF 200 MCFD.

A MARKET EXISTS FOR THE GAS AS EVIDENCED BY GENERALLY STRONG PRICES.

# COMPARISON OF PRICE VS. PRODUCTION EXHIBIT # 4 SAN JUAN BASIN MESAVERTDE



## EXHIBIT # 5

BLANCO MESAVERDE PRORATION ALLOWABLE PERIOD 4/93 - 9/93  
EFFECT OF NON-MARGINAL POOL ALLOWABLE ON GPU ALLOWABLE

	4/92-9/92 ACTUAL	4/93-9/93 OCD PROP.	4/93-9/93 PHILLIPS PROP.
NON MARGINAL POOL ALLOWABLE	9969674.00	5430478.00	8100000.00
NO. OF NON MARGINAL ACREAGE FACTORS	567.72	471.26	471.26
NON MARGINAL AD FACTORS	351062.00	241798.00	241798.00
F1 MO. ACREAGE ALLOCATION FACTOR	4390.22	2880.83	4296.99
F2 MO. AD ALLOCATION FACTOR	21.30	16.84	25.12
 <u>GPU DELIVERABILITY MCFD</u>	 490		
GPU ACREAGE FACTOR			
ACREAGE PORTION OF ALLOWABLE 25% N	4390.22	2880.83	4296.99
AD PORTION OF ALLOWABLE 75% MCF/MO	10436.49	8253.59	12310.90
TOTAL GPU ALLOWABLE MCF/MO	14826.72	11134.42	16607.89
GPU ALLOWABLE, % OF DELIVERABILITY	1.00	0.75	1.11
 <u>GPU DELIVERABILITY MCFD</u>	 650		
GPU ACREAGE FACTOR	1		
ACREAGE PORTION OF ALLOWABLE 25% N	4390.22	2880.83	4296.99
AD PORTION OF ALLOWABLE 75% MCF/MO	13844.32	10948.63	16330.78
TOTAL GPU ALLOWABLE MCF/MO	18234.55	13829.46	20627.77
GPU ALLOWABLE, % OF DELIVERABILITY	0.92	0.70	1.04
 <u>GPU DELIVERABILITY MCFD</u>	 800		
GPU ACREAGE FACTOR	1		
ACREAGE PORTION OF ALLOWABLE 25% N	4390.22	2880.83	4296.99
AD PORTION OF ALLOWABLE 75% MCF/MO	17039.17	13475.24	20099.42
TOTAL GPU ALLOWABLE MCF/MO	21429.39	16356.07	24396.41
GPU ALLOWABLE, % OF DELIVERABILITY	0.88	0.67	1.00
 <u>GPU DELIVERABILITY MCFD</u>	 1000		
GPU ACREAGE FACTOR	1		
ACREAGE PORTION OF ALLOWABLE 25% N	4390.22	2880.83	4296.99
AD PORTION OF ALLOWABLE 75% MCF/MO	21298.96	16844.05	25124.28
TOTAL GPU ALLOWABLE MCF/MO	25689.18	19724.88	29421.27
GPU ALLOWABLE, % OF DELIVERABILITY	0.85	0.65	0.97

## EFFECT OF COMPRESSION ON CALCULATED DELIVERABILITY

$$D = d1((P2 - (70\%P)^2)/(P2 - FTP^2))^0.7$$

If FTP less than 70% of surface shut in pressure, calculated deliverability will be less than measured deliverability. For likely surface shut in pressures and FTP's, calculated deliverability would be 65-70% of measured rate. For 600 mcf/d measured GPU deliverability, the allowable would be based on +/- 400 mcf/d deliverability. Need a high minimum allowable to enable continued development of reserves via compression.

d1	400	400	400	600	600	600
P	400	450	500	400	450	500
70%P	280	315	350	280	315	350
FTP	175	175	175	150	150	150
D	290	280	274	416	407	400
D/d1	0.72	0.70	0.68	0.69	0.68	0.67

## **BLANCO MESAVERDE GAS POOL EXHIBIT #6 FEB 1993 HEARING**

THE GAS PRODUCTION VS. GAS PRICE PLOT SHOWS A SIMILAR TREND AS SEEN IN THE DAKOTA POOL, SHOWING THAT THE TRUE CAPACITY IS IN EXCESS OF 17 BCF/MO.

OPERATORS ARE NOT GENERALLY CONCERNED WITH RESERVOIR RELATED CORRELATIVE RIGHTS OR THEY WOULD NOT VOLUNTARILY CURTAIL.

PHILLIPS' RECOMMENDED ADJUSTMENT OF 2.7 BCF/MO. WOULD YIELD AN OVERALL POOL ALLOWABLE OF 17.0 BCF/MO. AND PROVIDES FOR CURTAILMENT ON GPU DELIVERABILITIES ABOVE 800 MCFD. THIS LEVEL IS SUFFICIENT TO JUSTIFY ADDITIONAL DRILLING/COMPRESSION WORK TO INCREASE RECOVERY WITHOUT ADVERSELY EFFECTING DRAINAGE CONDITIONS.

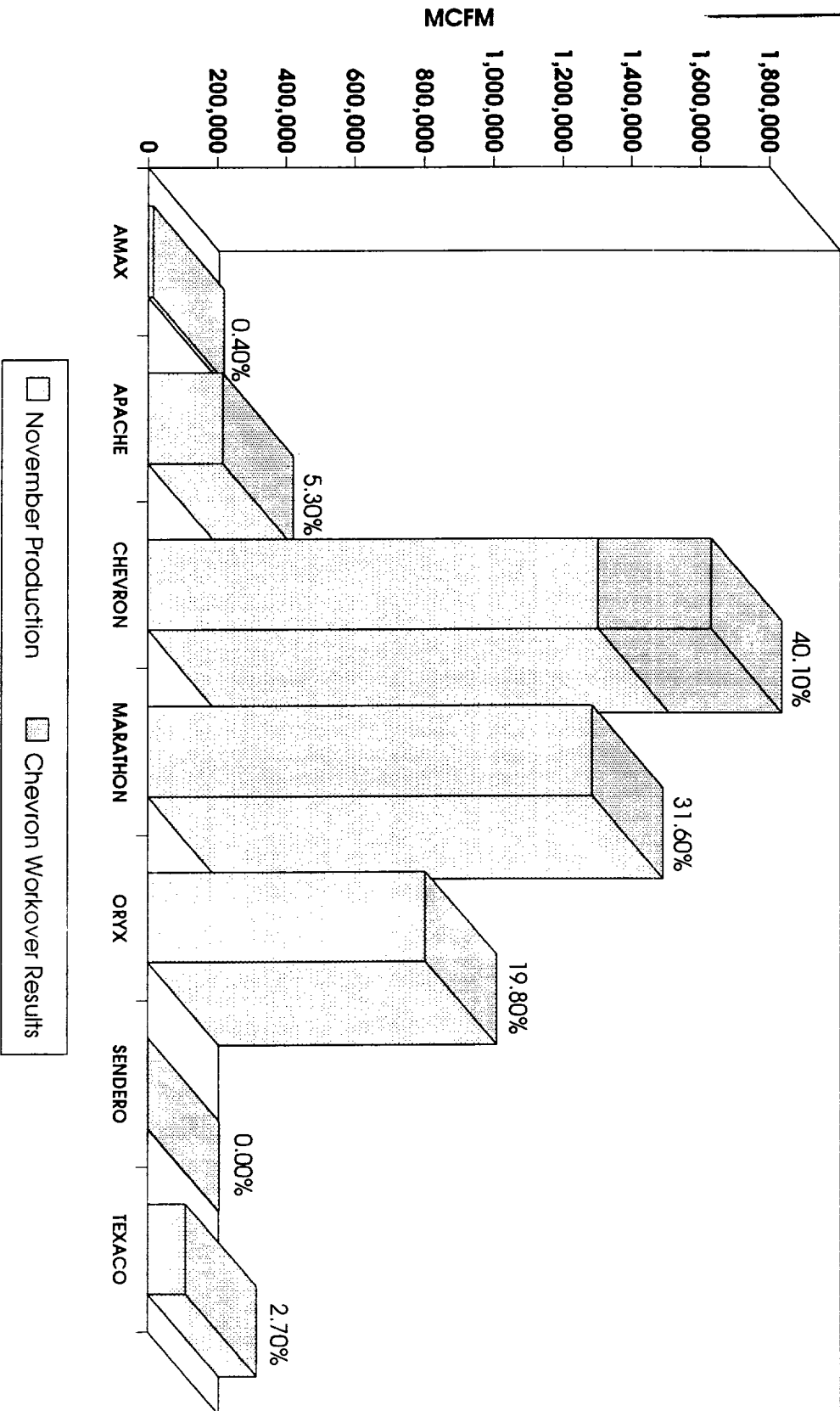
CONCERNING COMPRESSION PROJECTS, THE METHOD FOR DETERMINING DELIVERABILITY WILL YIELD A CALCULATED FIGURE ONLY 65-70% OF ACTUAL DELIVERABILITY. THE REQUESTED ADJUSTMENT IS NECESSARY TO HAVE ECONOMICAL DEVELOPMENT OF THE FIELD VIA COMPRESSION. PHILLIPS HAS PLANS FOR A 120 WELL MESAVERDE COMPRESSION PROJECT IN 29-5 & 29-6 UNITS.

A MARKET EXISTS FOR THE GAS AS EVIDENCED BY RISING PRICES SINCE FEBRUARY 1992.

Chevron Exhibits 1 through 6  
Complete Set

# Indian Basin Upper Penn Pool

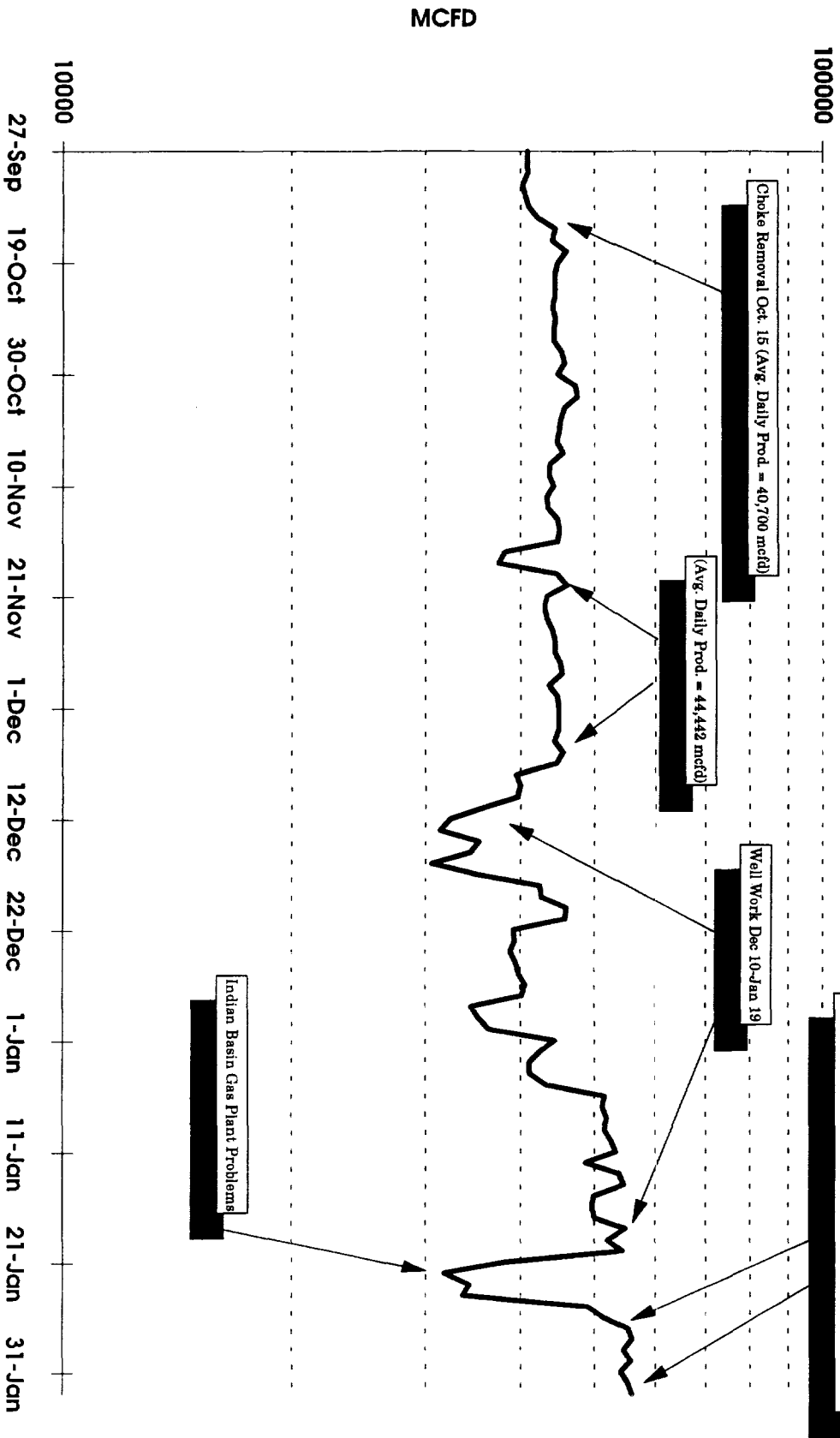
Production by Operator



10/6/12  
Chevron U.S.A.  
2/25/13

# INDIAN BASIN POOL

## CHEVRON OPERATED PRODUCTION



10,012

CHEVRON U.S.A.

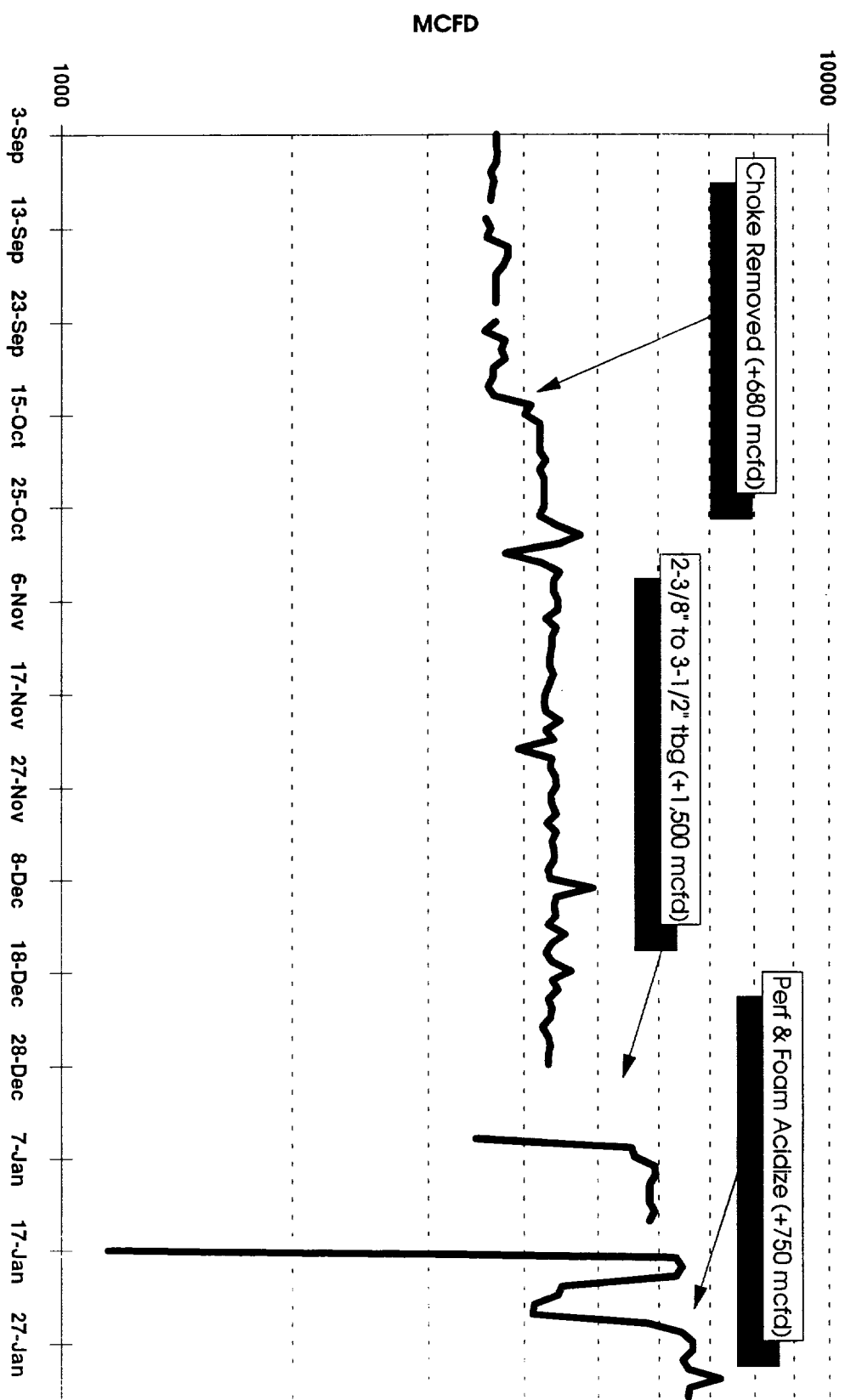
2/25/93

16,692 3

CHEVRON 4.37A.

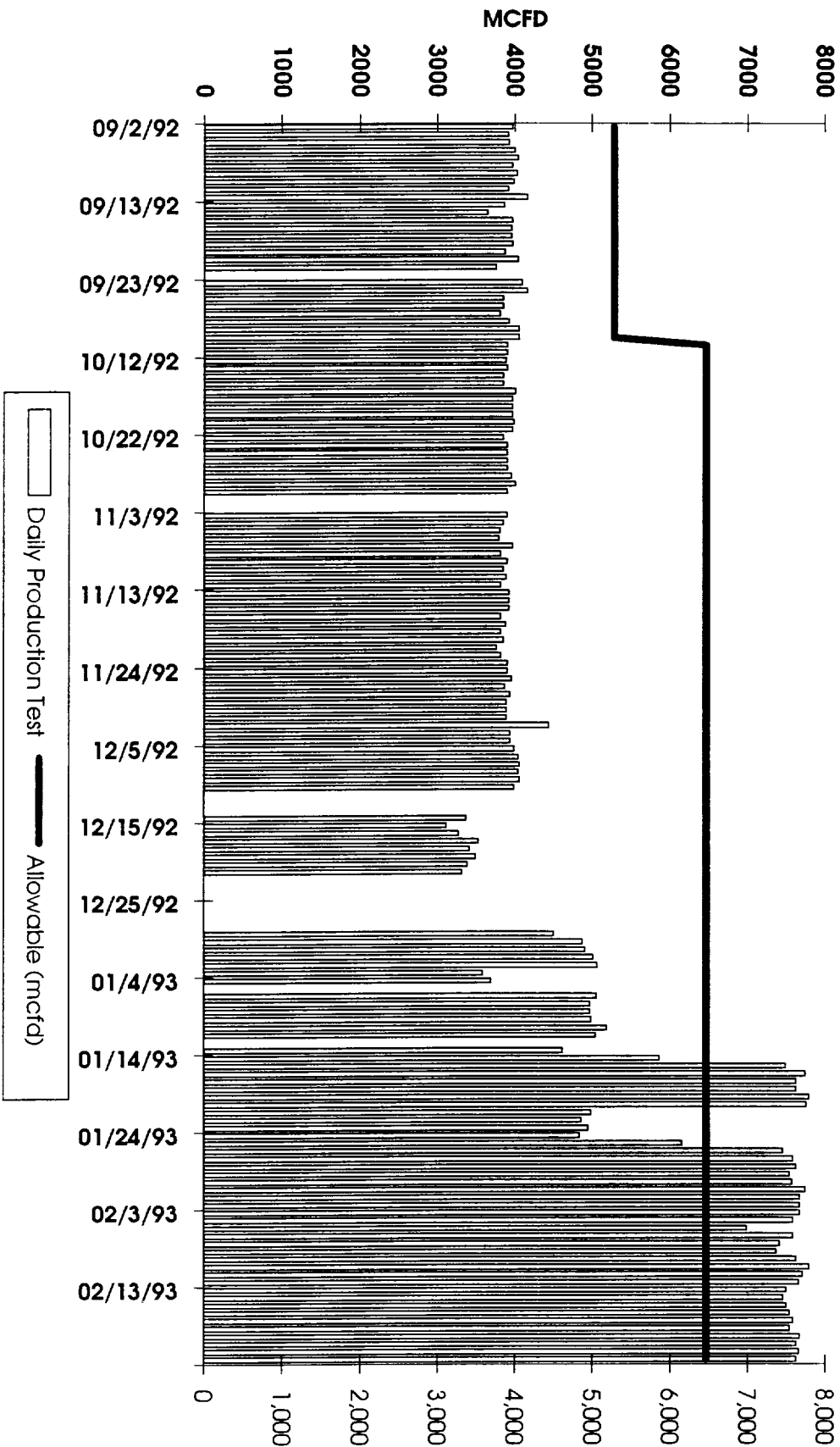
2/25/93

# Chevron's Federal Gas Com '33' #1



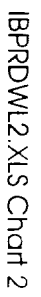


# CHEVRON'S BOGLE FLATS UNIT #3

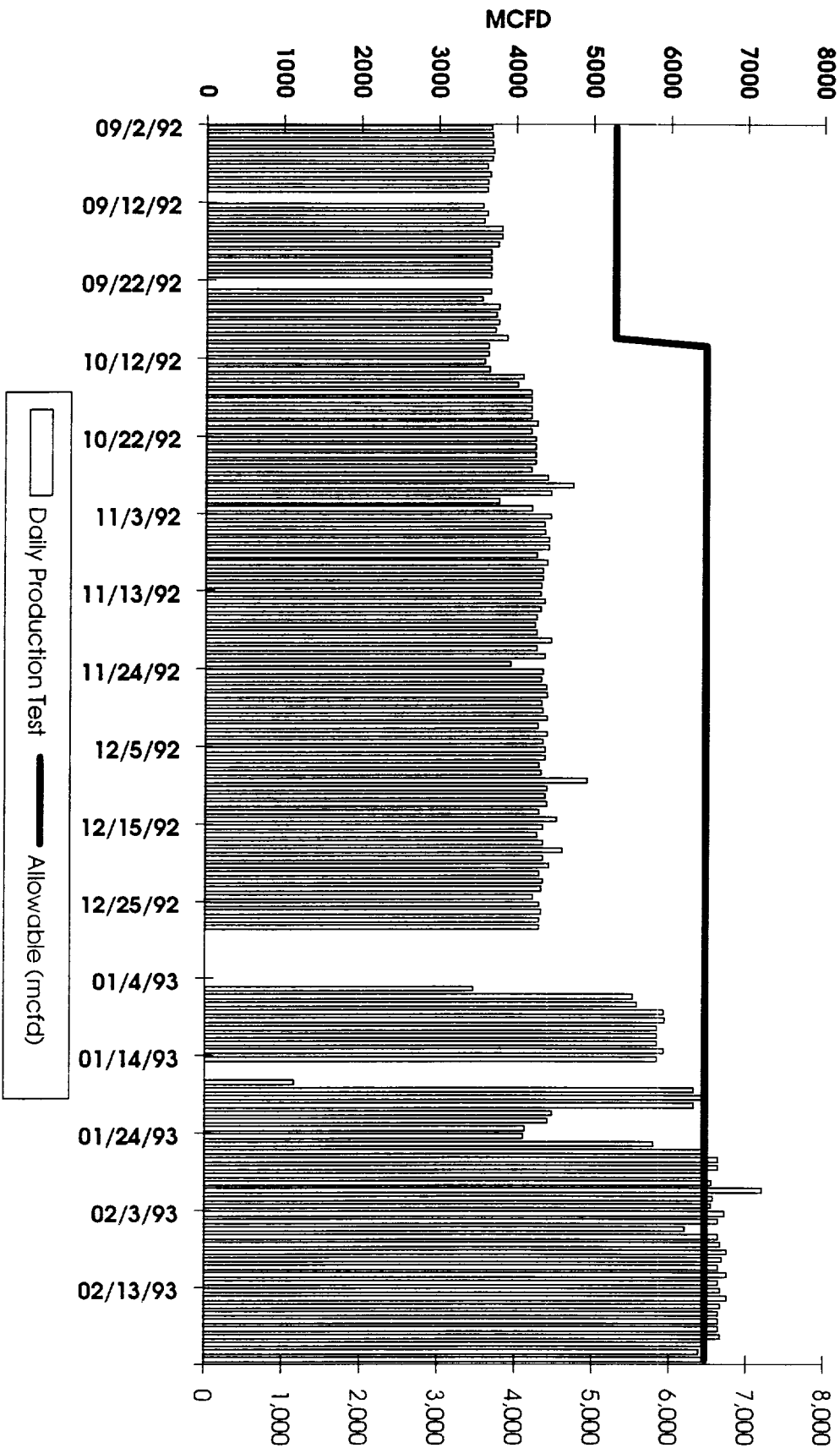


10/6/92  
2/25/93  
Chevron 4.57A  
4

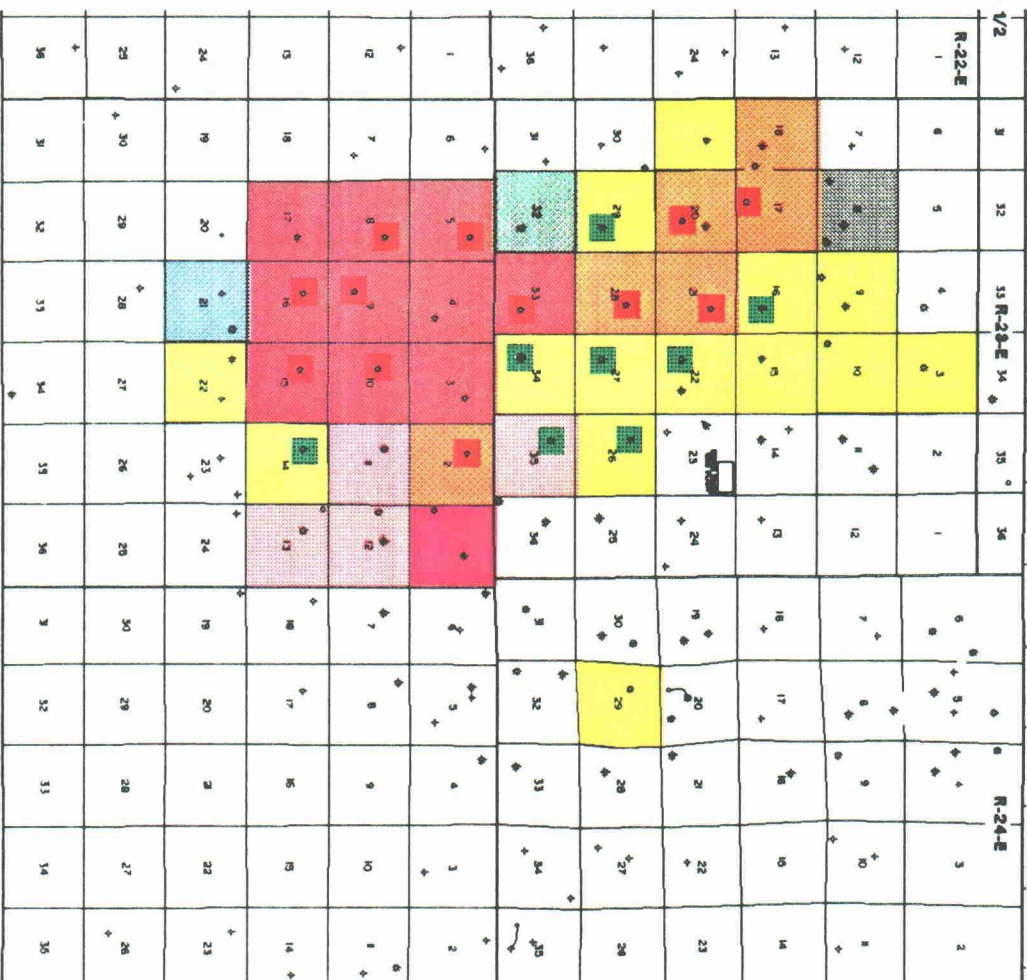
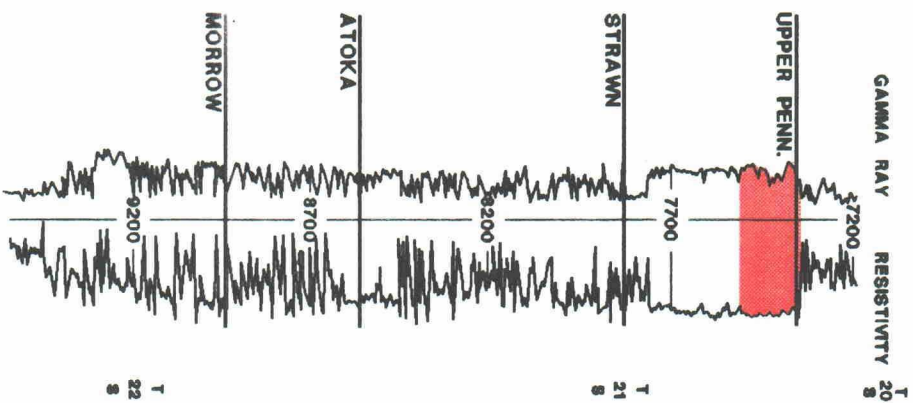
2/25/93



# CHEVRON'S FEDERAL GAS COM '33' #1



# TYPE LOG



MARATHON OIL COMPANY  
MID-CONTINENT REGION  
**INDIAN BASIN FIELD**  
EDDY COUNTY, NEW MEXICO

## OPERATOR MAP

WELL WORK  
PERFORMED  
1991

WELL WORK  
PERFORMED  
1992-1993



Before the  
OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico  
Case No. 10672 Exhibit No. 1  
Submitted by: Marathon Oil Company  
Hearing Date: February 25, 1993

Marathon Indian Basin  
Exhibits 1 through 10  
Complete Set

1992 WELL REMEDIAL WORK  
INDIAN BASIN FIELD

OPERATOR: ORYX

<u>STATION</u>	<u>DATE OF WORK</u>	<u>GAS RATE, MCFD</u>	
		<u>BEFORE</u>	<u>AFTER</u>
217	MAY 1992	4,090	6,865
221	APRIL 1992	4,285	5,400
228	APRIL 1992	3,200	6,760
302	APRIL 1992	4,500	6,700
		16,075	25,725

OPERATOR: CHEVRON

<u>STATION</u>	<u>DATE OF WORK</u>	<u>GAS RATE, MCFD</u>	
		<u>BEFORE</u>	<u>AFTER</u>
233	JAN 1993	4,290	6,500
305	DEC 1992	4,090	6,200
308	JULY 1992	4,465	6,360
309	DEC 1992	3,910	7,600
310	DEC 1992	4,640	7,100
315 *	DEC 1992	4,790	5,700
316	DEC 1992	4,070	5,200
		30,255	44,660

\* ONLY Station 315 has wellhead compression

Before the  
OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico  
Case No. 10672 Exhibit No. 2  
Submitted by: Marathon Oil Company  
Hearing Date: February 25, 1993

<p style="text-align: center;"><b>INDIAN BASIN FIELD</b></p> <p style="text-align: center;">PRORATED GAS POOLS HEARING</p> <p style="text-align: center;">FEBRUARY 25, 1993      SANTA FE, NEW MEXICO</p>
---

# WORKING INTEREST SHARE OF GROSS SALES GAS

COMPANY	% SHARE		INTEREST IN # OF WELLS	
	APRIL - SEPT. '92	OCT. - DEC. '92	COMPANY OPERATED	TOTAL WELLS
MARATHON <sup>4</sup>	26.8	26.8	14	22
ORyx <sup>✓</sup>	24.5	23.1	6	14
CHEVRON <sup>✓</sup>	20.6	22.9	8 *	11
APACHE	13.6	11.7	4	11
OTHERS	14.5	15.5	4	
TOTAL	100.0	100.0	36	

\* Chevron operates two additional wells without owning an interest in the wells.

Before the

OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

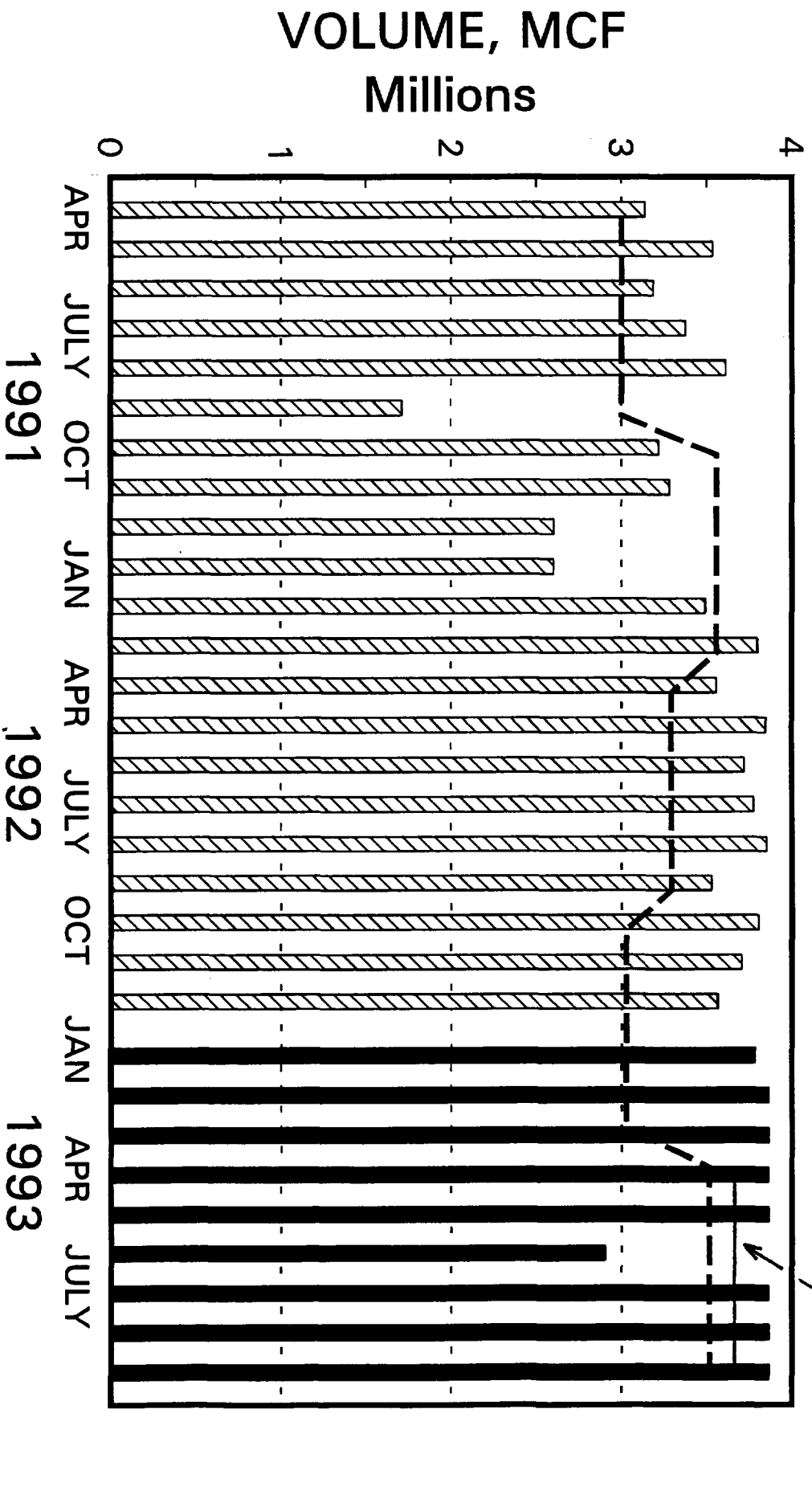
Case No. 10672 Exhibit No. 3

Submitted by: Marathon Oil Company

Hearing Date: February 25, 1993

# INDIAN BASIN FIELD

## TOTAL UPPER PENN POOL PRODUCTION



Before the  
OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico  
Case No. 10672 Exhibit No. 4  
Submitted by: Marathon Oil Company  
Hearing Date: February 25, 1993

# UPPER PENN GAS POOL ALLOWABLES

APRIL, 1993 – SEPTEMBER, 1993

	PROPOSED FROM OCD		PROPOSED BY MOC	
AVERAGE MONTHLY POOL SALES APRIL, 1992 – SEPTEMBER, 1992		3,513,791		3,513,791
ADJUSTMENTS		0		166,234
MONTHLY POOL ALLOWABLE APRIL, 1993 – SEPTEMBER, 1993		3,513,791		3,680,025
MONTHLY MARGINAL POOL ALLOWABLE APRIL, 1993 – SEPTEMBER, 1993		2,320,246		2,320,246
MONTHLY NON – MARGINAL POOL ALLOWABLE APRIL, 1993 – SEPTEMBER, 1993		1,193,546		1,359,780
NUMBER OF NON – MARGINAL ACREAGE FACTORS		6.92		6.92
MONTHLY ACREAGE ALLOCATE FACTOR APRIL, 1993 – SEPTEMBER, 1993		172,478		196,600

Before the  
OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico  
Case No. 10672 Exhibit No. 5  
Submitted By: Marathon Oil Company  
Hearing Date: February 25, 1993





**Marathon  
Oil Company**

P.O. Box 552  
Midland, TX 79702-0552  
Telephone 915/682-1626

February 16, 1993

To All Operators  
Indian Basin Upper Penn Pool  
Eddy County, New Mexico

RE: Upcoming NMOCC Allowables Hearing  
Proposed Indian Basin Upper Penn Pool Allowables

Gentlemen:

Marathon has reviewed the preliminary allowable estimates recently issued by the New Mexico Oil Conservation Division which will provide the starting point for the hearings scheduled for February 25, 1993 on gas allowables for the upcoming allocation period (April, 1993 - September, 1993). Marathon intends to propose at the hearing that a sufficient positive adjustment be made to the preliminary monthly pool allowable for the Indian Basin Penn Pool in order to increase the monthly acreage allocation factor (F1 factor) for Indian Basin Upper Penn non-marginal wells, from the 172,478 MCF per month set out on the preliminary table, to 196,500 MCF per month.

To the best of Marathon's knowledge, such an F1 factor, if adopted, would allow all non-marginal wells in the field (with an acreage factor of 1.00) to produce close to their full capabilities. Marathon has the markets to sell the additional gas which would be produced under its proposal, and believes that the other operators in the field would be able to find purchasers for their additional production as well. The transportation systems which serve the field are more than adequate to deal with the additional production which would result from the adoption of Marathon's proposal. No operator, whether it operates marginal or non-marginal wells, would have its ability to market its gas inhibited by Marathon's proposal.

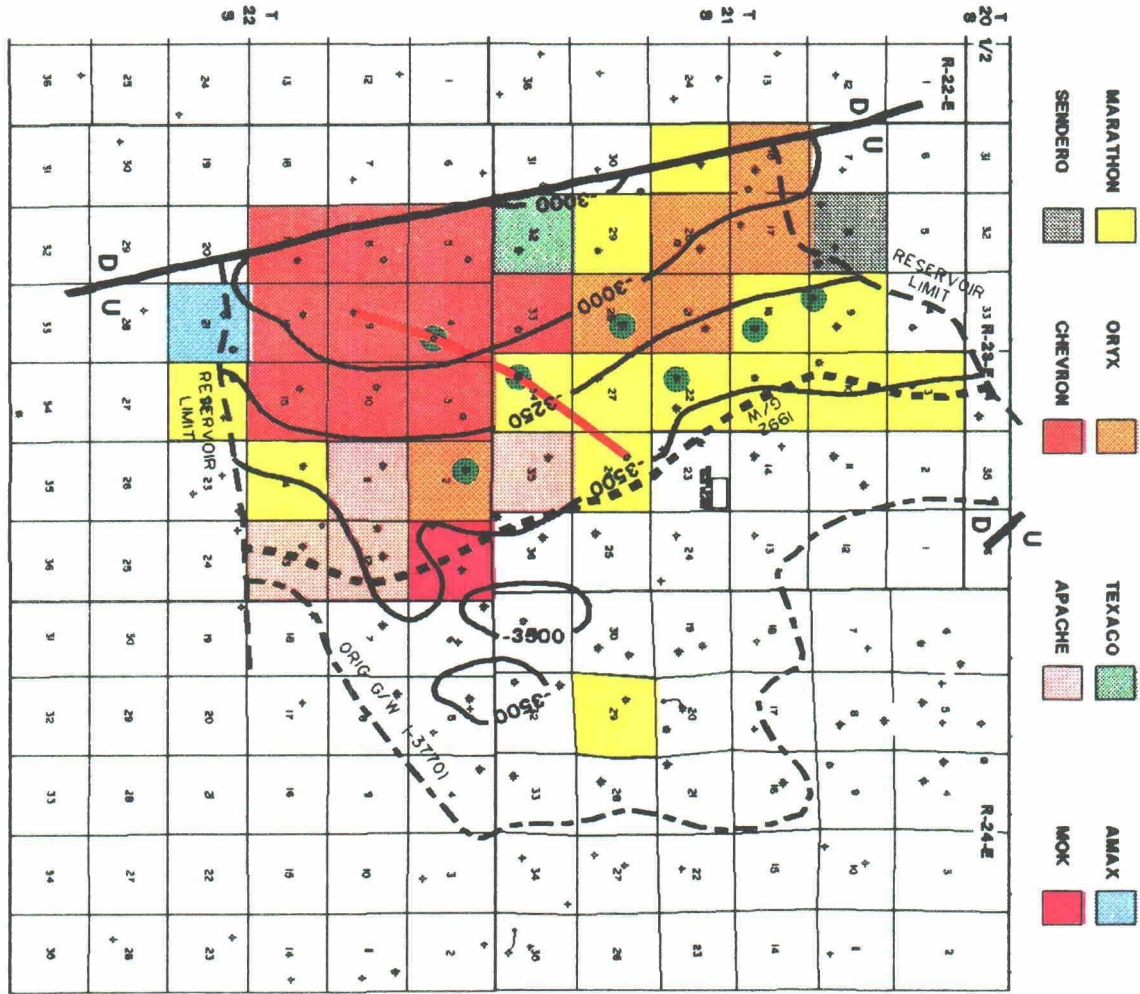
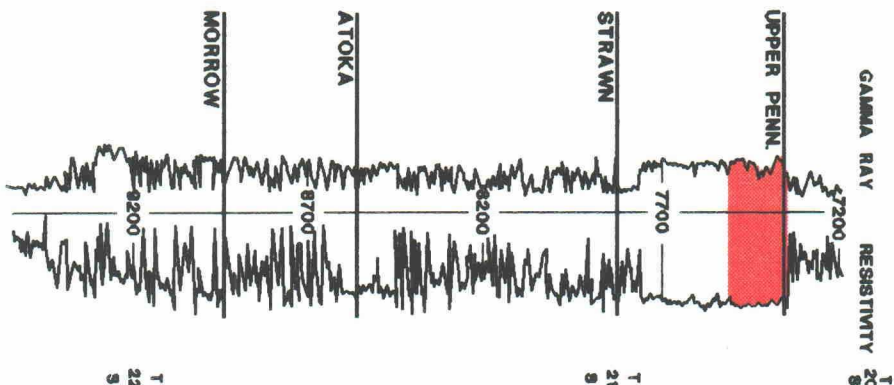
Marathon asks that you support its request to increase the allowables for the Indian Basin Upper Penn pool. If at all possible, Marathon asks that you provide it with a letter prior to February 25, 1993 whereby you indicate your support for Marathon's proposal. If you have any questions with regard to Marathon's proposal, please feel free to call, Marathon Reservoir Engineer, Craig Kent, at (915) 687-8282.

Sincerely,

T. N. Tipton  
Engineering Manager

Before the  
OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico  
Case No. 10672 Exhibit No. 6  
Submitted by: Marathon Oil Company  
Hearing Date: February 25, 1993

# TYPE LOG



Before the  
OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico  
Case No. 10672 Exhibit No. 2  
Submitted by: Marathon Oil Company  
Hearing Date: February 25, 1993

2/93

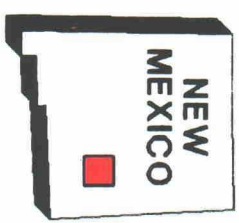
MARATHON OIL COMPANY  
MID-CONTINENT REGION  
**INDIAN BASIN  
FIELD**

EDDY COUNTY, NEW MEXICO

## OPERATOR MAP

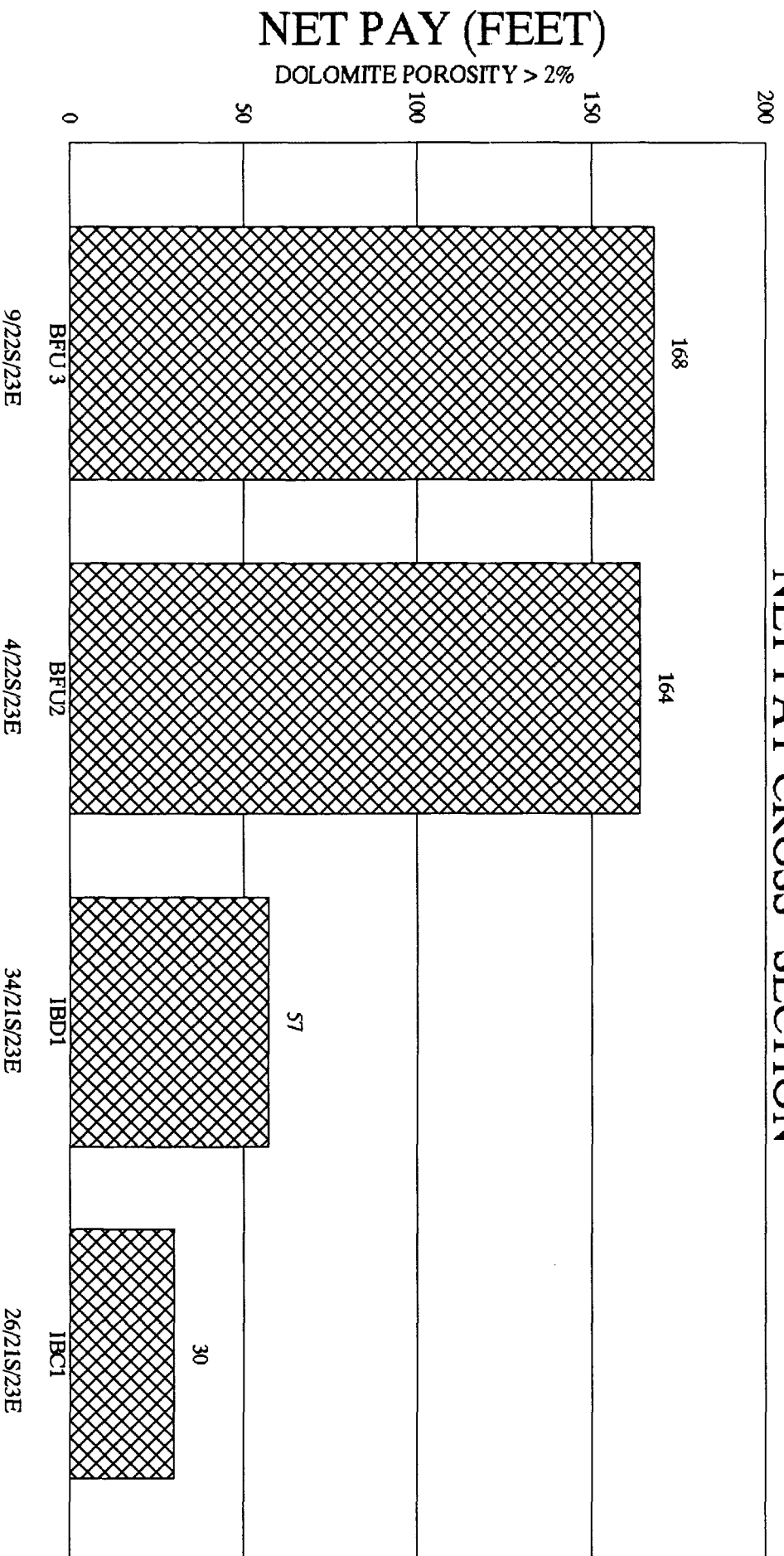
- MARGINAL WELL
- NON-MARGINAL WELL

NUMBER OF NON-MARGINAL  
ACREAGE FACTORS = 6.92



# INDIAN BASIN FIELD

## NET PAY CROSS-SECTION



BEFORE THE  
OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO  
CASE No. 10672 EXHIBIT No. 8  
SUBMITTED BY: MARATHON OIL COMPANY  
HEARING DATE: FEBRUARY 25, 1993





STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



BRUCE KING  
GOVERNOR

ANITA LOCKWOOD  
CABINET SECRETARY

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87504  
(505) 827-3800

TO: OPERATORS - INDIAN BASIN UPPER PENNSYLVANIAN GAS POOL

FROM: WILLIAM J. LEMAY, DIRECTOR *WJL*

SUBJECT: RECLASSIFICATION OF MUSSELMAN, OWEN & KING OPERATING INC.  
WELL - SMITH FEDERAL NO. 2 - AND INCREASE IN F. FACTOR  
FOR THE ALLOCATION PERIOD OCTOBER '92 THROUGH MARCH '93.

DATE: JANUARY 12, 1993

The Musselman, Owen & King Operating Inc.'s Federal Smith No. 2 well is an Indian Basin Upper Pennsylvanian Pool completion which has been classified non-marginal due to being overproduced as of October 1, 1991. The well last produced in December of 1991 and is being considered for abandonment in this pool. According to Order R-8170-H, the well should have reclassified to marginal as of July 1, 1992. For the allocation period October '92 through March '93, well classifications as of April 1, 1992 were used to determine the monthly acreage allocation factor. Since the Smith Federal No. 2 well was shown as non-marginal as of April 1, 1992, its production and its acreage factor were used in determining the pool non-marginal production and monthly acreage allocation factor.

Under Rule 12(b) of Order No. R-8170-H, I am reclassifying the non-marginal GPU for the Musselman, Owen & King Operating Inc.'s Federal Smith No. 2 well to marginal as of April 1, 1992.

The reclassification of this well to marginal will change the monthly acreage allocation factor for the Indian Basin Upper Pennsylvanian Pool to 196,495 for the allocation period October '92 through March '93.

Before the  
OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico  
Case No. 10672 Exhibit No. 10  
Submitted By: MARA Thorne  
Hearing Date: 2/25/93

*Oryx Exhibits 1 through 6  
Complete Set*



Oryx Energy Company  
13155 Noel Road  
Dallas TX 75240-5067  
PO Box 2880  
Dallas TX 75221-2880  
214 715 4000

February 23, 1993

Mr. Larry VanRyan  
Chief Engineer  
New Mexico Oil Conservation Division  
P. O. Box 2088  
Santa Fe, NM 87504

RE: NMOCC Allowable Hearing Scheduled 2-25-93  
Proposed Indian Basin Upper Penn Pool Allowable

Dear Mr. VanRyan:

Oryx Energy Company respectfully requests an acreage allocation factor of 196,500 mcf per month for the Indian Basin Upper Penn Pool covering the period of April 1993 – September 1993. This reflects a 22.4% increase over the factor for the same period in 1992. Oryx believes that this will allow for a reasonable increase in gas production for those operators, including Oryx, who have enhanced their wells' performance through capital investments.

In the late spring of 1992 Oryx initiated a workover program designed to enhance the performance of its wells. The wells were re-perforated, stimulated, and their tubing strings replaced. Also, the production units were refurbished and some wellhead compressors added. To date, Oryx has spent \$604,000 on the above program. Plans are to spend an additional \$150,000 if a reasonable allowable is approved.

Production volumes for Oryx's six wells were prorated for 385,474 mcf covering the period from October 1992 through March 1993. Due to the above mentioned enhancements Oryx estimates it's production to be 774,450 mcf for the same period of time. An attached table shows a well by well breakdown of each well's production. Also, attached are total and individual production curves for each of the Oryx operated wells.

Oryx estimates its wells will produce 857,385 mcf in the April 1993 thru September 1993 period provided that each well produces the full term at its current rate. As the attached memo states, our gas marketing division assures us that they have a market for the proposed increased volumes. Oryx also feels it is necessary to maintain these higher rates in order to achieve a reasonable rate of return on its \$604,000 investment.

Therefore, Oryx urges the Commission to approve the increased allocation factor of 196,500 mcf per month in its upcoming Indian Basin allowable hearing.

Sincerely,

Rick Hall  
Operations Engineer

RWH/KK

0074A.RWH

Before the  
OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico  
Case No. 10672 Exhibit No. 1  
Submitted By: Oryx Energy Co  
Hearing Date: 2-25-93

ORYX ENERGY COMPANY

CAPITAL AND EXPENSE OUTLAYS

WELLWORK: RE-PERFORATION, STIMULATION, AND TUBULAR UPSIZING IN 6 WELLS	\$433,000
COMPRESSOR INSTALLATION COSTS (2)	16,000
RE-BUILD PRODUCTION UNITS (5)	35,000
SET ADDITIONAL PRODUCTION EQUIPMENT (4)	<u>120,000</u>
TOTAL SPENT TO DATE	\$604,000
PROPOSED SPENDING	<u>\$150,000</u>
GRAND TOTAL	\$754,000

Before the  
OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico  
Case No. 10672 Exhibit No. 2  
Submitted By: Dryx Energy Co  
Hearing Date: 2-25-93

**ORYX ENERGY COMPANY  
INDIAN BASIN UPPER PENN POOL  
GAS PRODUCTION COMPARISON  
WINTER PERIOD**

<b>WELL</b>	<b>GAS PRORATION SCHEDULE OCT 92-MAR 93</b>	<b>PRODUCTION ESTIMATE OCT 92 - MAR 93</b>
BRIGHT FEDERAL GAS COM #1	97,583	169,183
BUNNELL FEDERAL #2	25,854	55,012
CONOCO STATE GAS COM #1	106,999	179,276
FEDERAL 28 #1	71,173	182,715
WEST INDIAN BASIN UNIT GAS COM #1	82,950	188,264
WEST INDIAN BASIN UNIT GAS COM #2	915	-0-
<b>TOTAL</b>	<b>385,474</b>	<b>774,450</b>

O074A.RWH

Before the  
OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico  
Case No. 10672 Exhibit No. 3  
Submitted By: Oryx Energy Co  
Hearing Date: 2-25-93



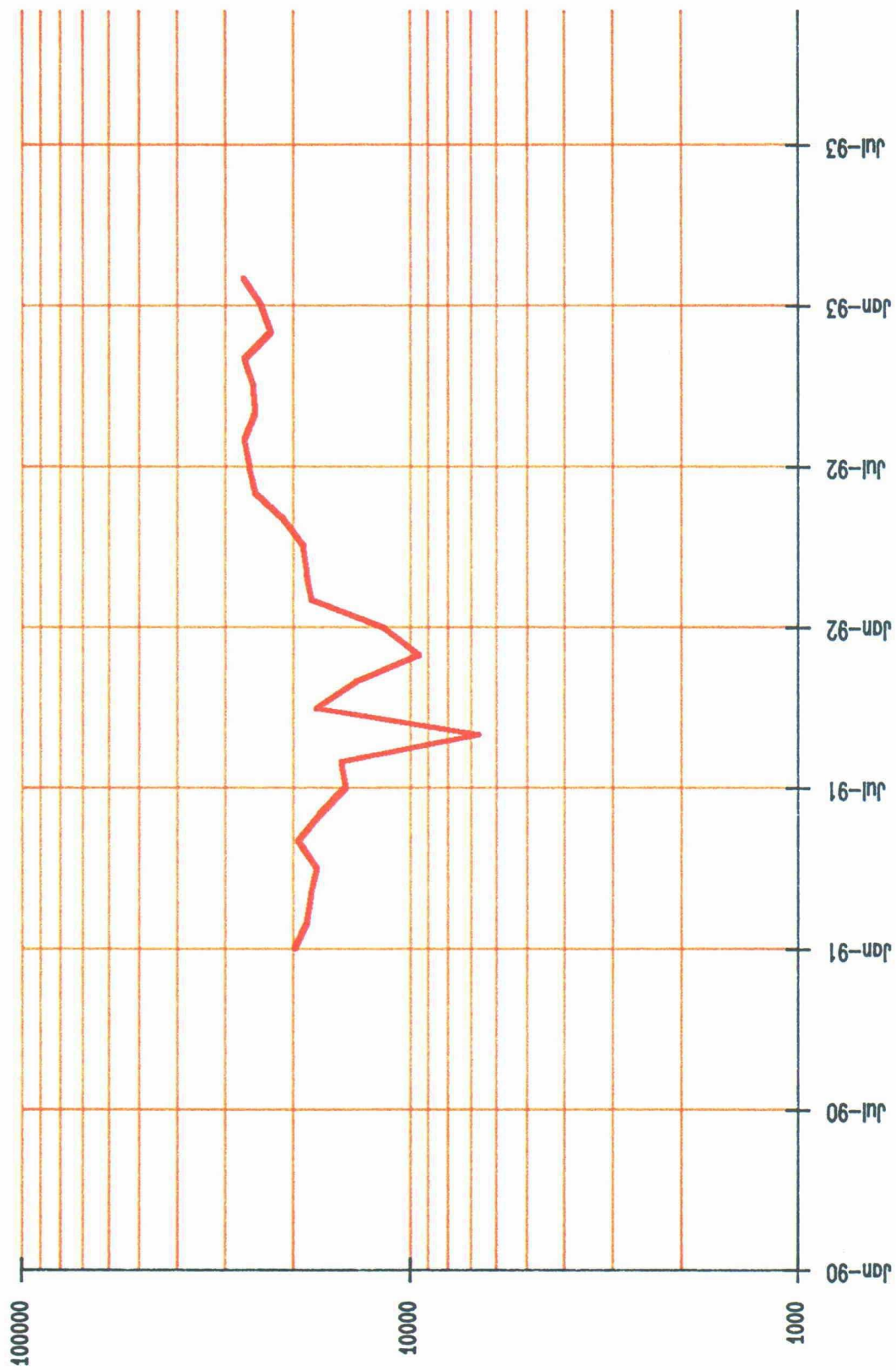
**ORYX ENERGY COMPANY  
INDIAN BASIN UPPER PENN POOL  
GAS PRODUCTION COMPARISON  
SUMMER PERIOD**

<b>WELL</b>	<b>GAS PRORATION SCHEDULE APR 92 - SEP 92</b>	<b>PRODUCTION ESTIMATE APR 93 - SEP 93</b>
BRIGHT FEDERAL GAS COM #1	99,970	188,480
BUNNELL FEDERAL #2	49,127	76,000
CONOCO STATE GAS COM #1	116,322	188,480
FEDERAL 28 #1	64,398	212,800
WEST INDIAN BASIN UNIT GAS COM #1	100,821	191,625
WEST INDIAN BASIN UNIT GAS COM #2	20,666	-0-
<b>TOTAL</b>	<b>451,304</b>	<b>857,385</b>

0074A.RWH

Before the  
OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico  
Case No. 10672 Exhibit No. 4  
Submitted By: Oryx Energy Co  
Hearing Date: 2-25-93

Oryx Energy Company  
Indian Basin Field (Upper Penn Pool)



Gas MCFD

Before the  
OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico  
Case No. 10672 Exhibit No. 5  
Submitted By: Oryx Energy Co.  
Hearing Date: 2-25-93



Oryx Energy Company  
13155 Noel Road  
Dallas TX 75240-5067  
PO Box 2880  
Dallas TX 75221-2880  
214 715 4000

February 23, 1993

Mr. William J. LeMay, Director  
OIL CONSERVATION DIVISION  
P. O. Box 2088  
Sante Fe, NM 87504

RE: Commission Hearing  
Pro-Rated Gas Allowable  
Indian Basin Plant

Dear Mr. LeMay:

Oryx Gas Marketing Company currently markets approximately 27,000 MMBTU per day of its equity residue gas production from the Indian Basin Gas Plant. NGPL is the only pipeline connected at the tailgate of the plant. However, I have not experienced any capacity problems in marketing this gas. I have been able to market the gas to the West Coast, the Mid-West, and the Texas Gulf Coast. This flexibility greatly enhances my ability to market the gas and also ensures competitive pricing.

Oryx welcomes the opportunity to service our customers with additional gas deliverability at the Indian Basin Plant.

Yours truly,

A. Charles "Andy" Anderson  
Gas Sales Representative

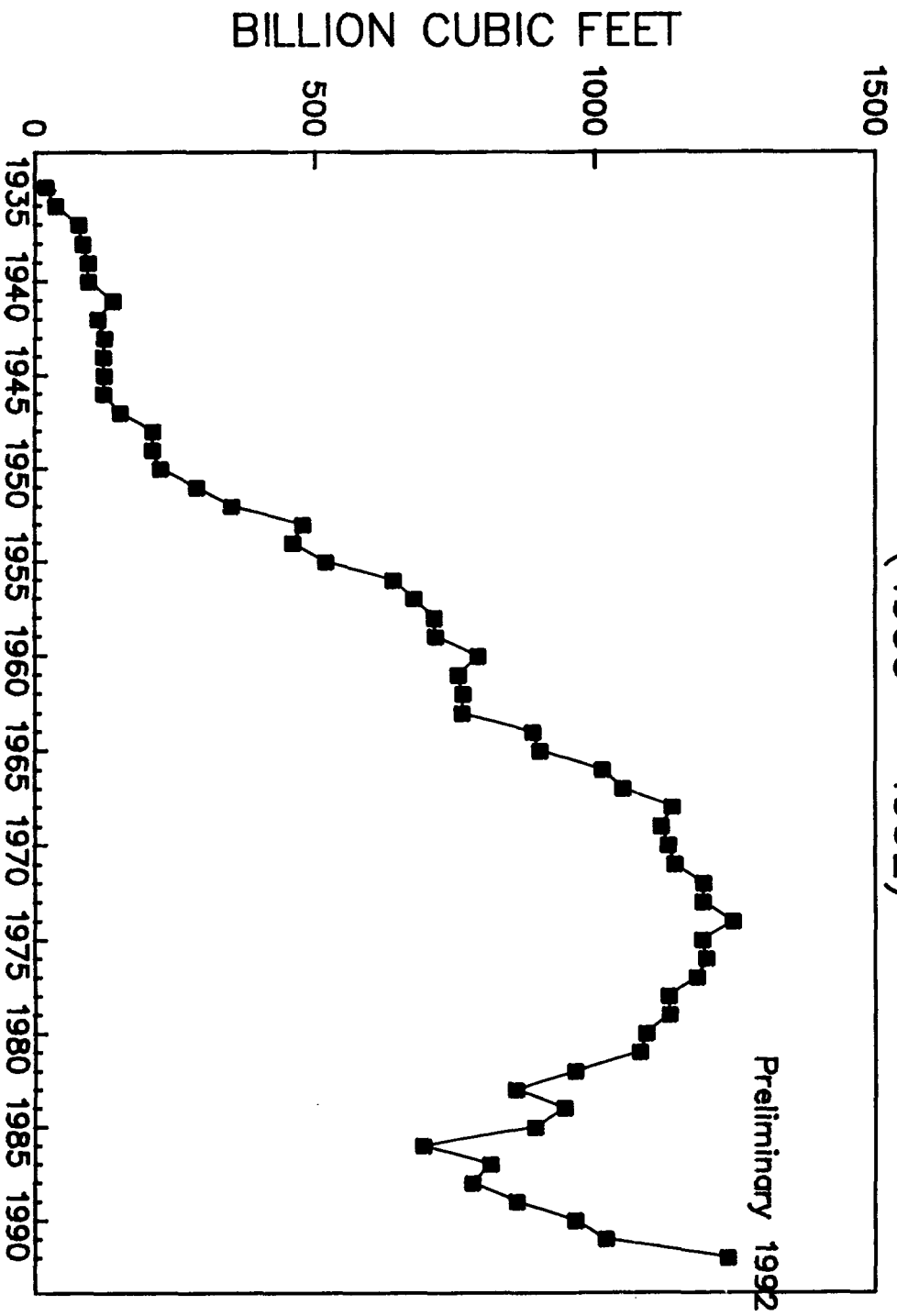
Before the  
OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico  
Case No. 10672 Exhibit No. 6  
Submitted By: Oryx Energy Co  
Hearing Date: 2-25-93

OFFICE OF INTERSTATE NATURAL GAS MARKETS

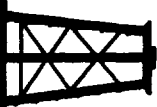


NEW MEXICO GAS PRODUCTION HISTORY

(1935 - 1992)

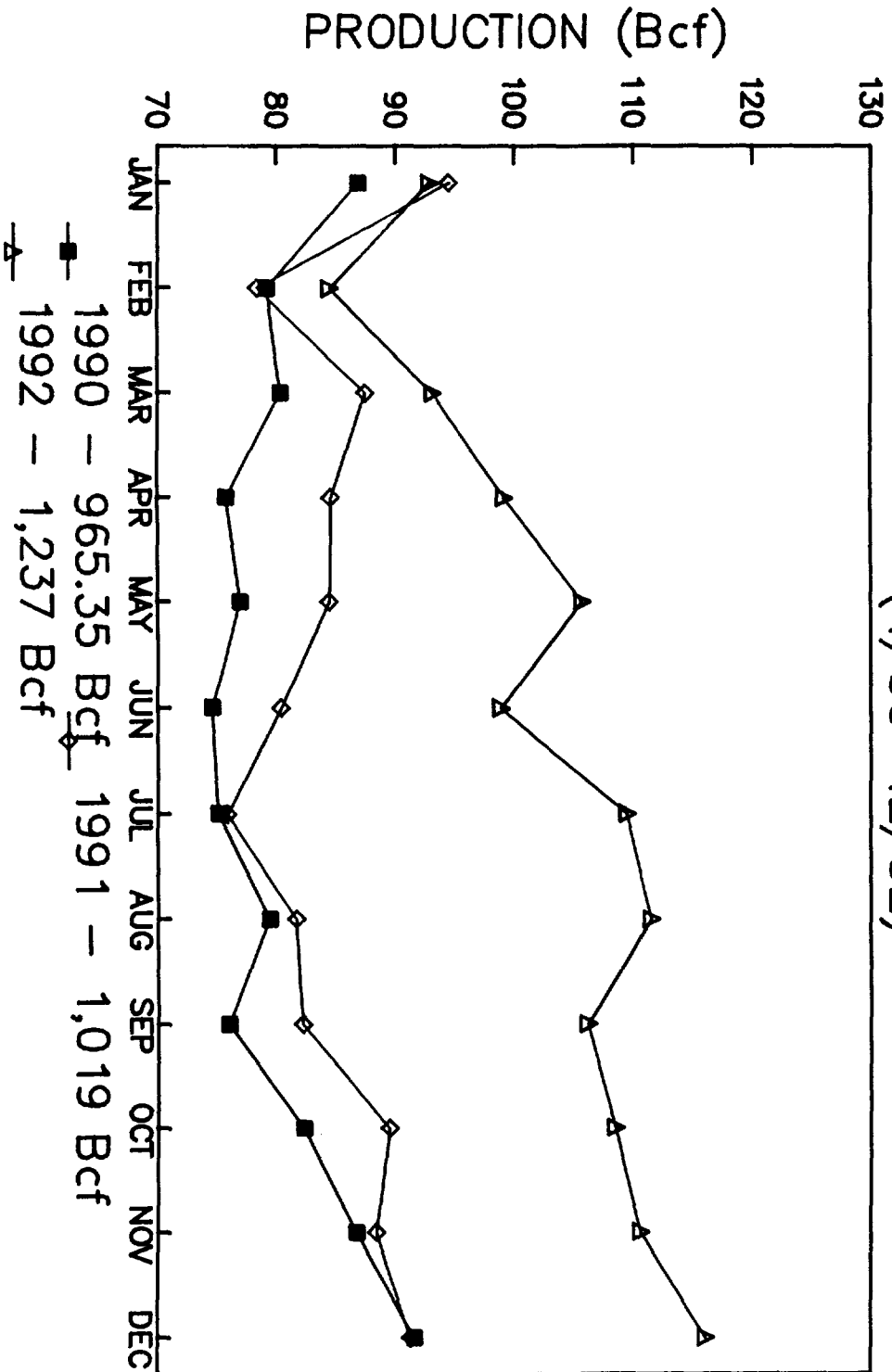


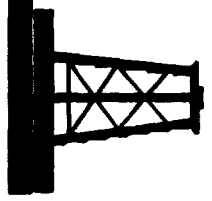
OFFICE OF INTERSTATE NATURAL GAS MARKETS



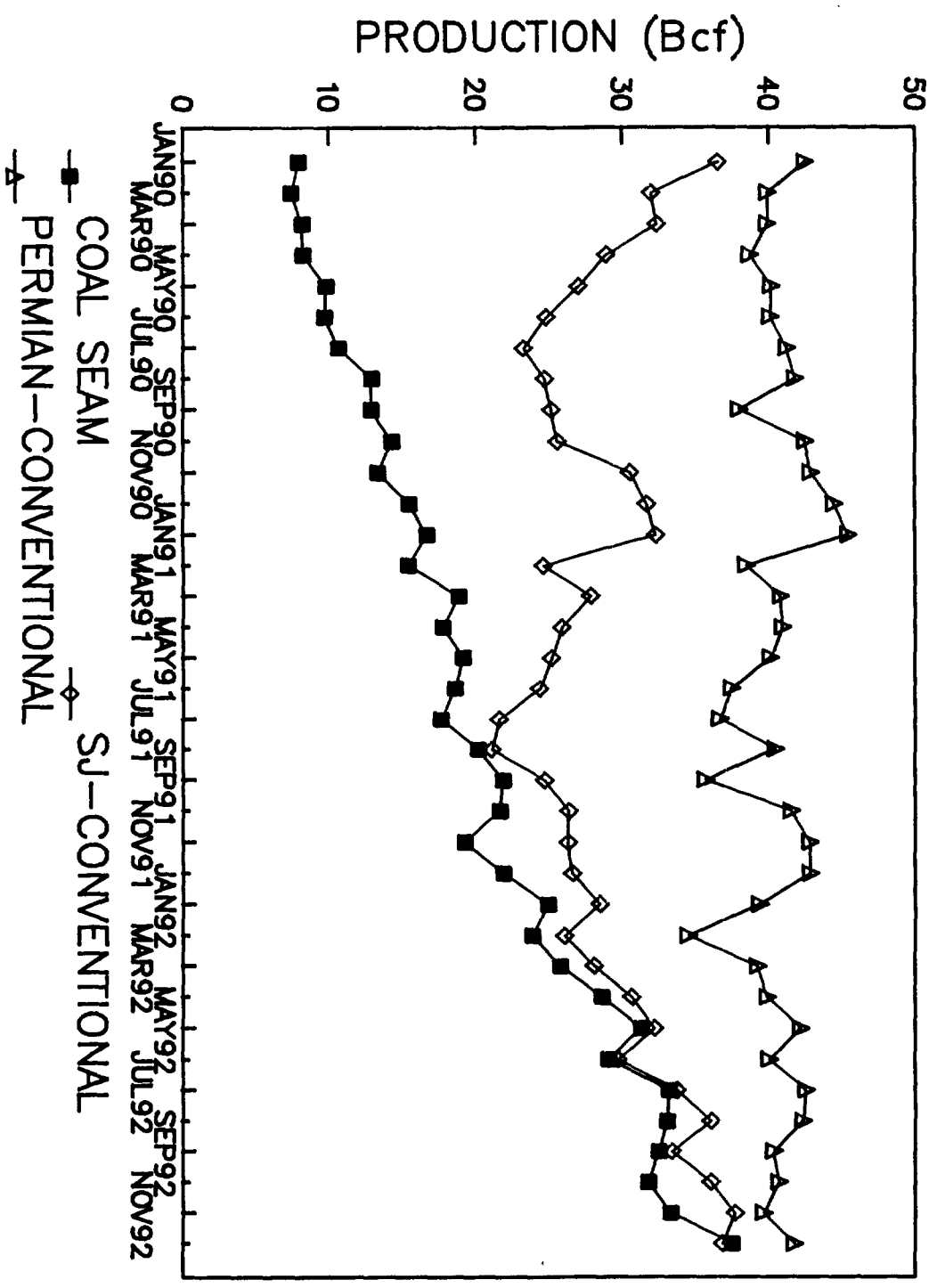
NEW MEXICO NATURAL GAS PRODUCTION

(1/90-12/92)





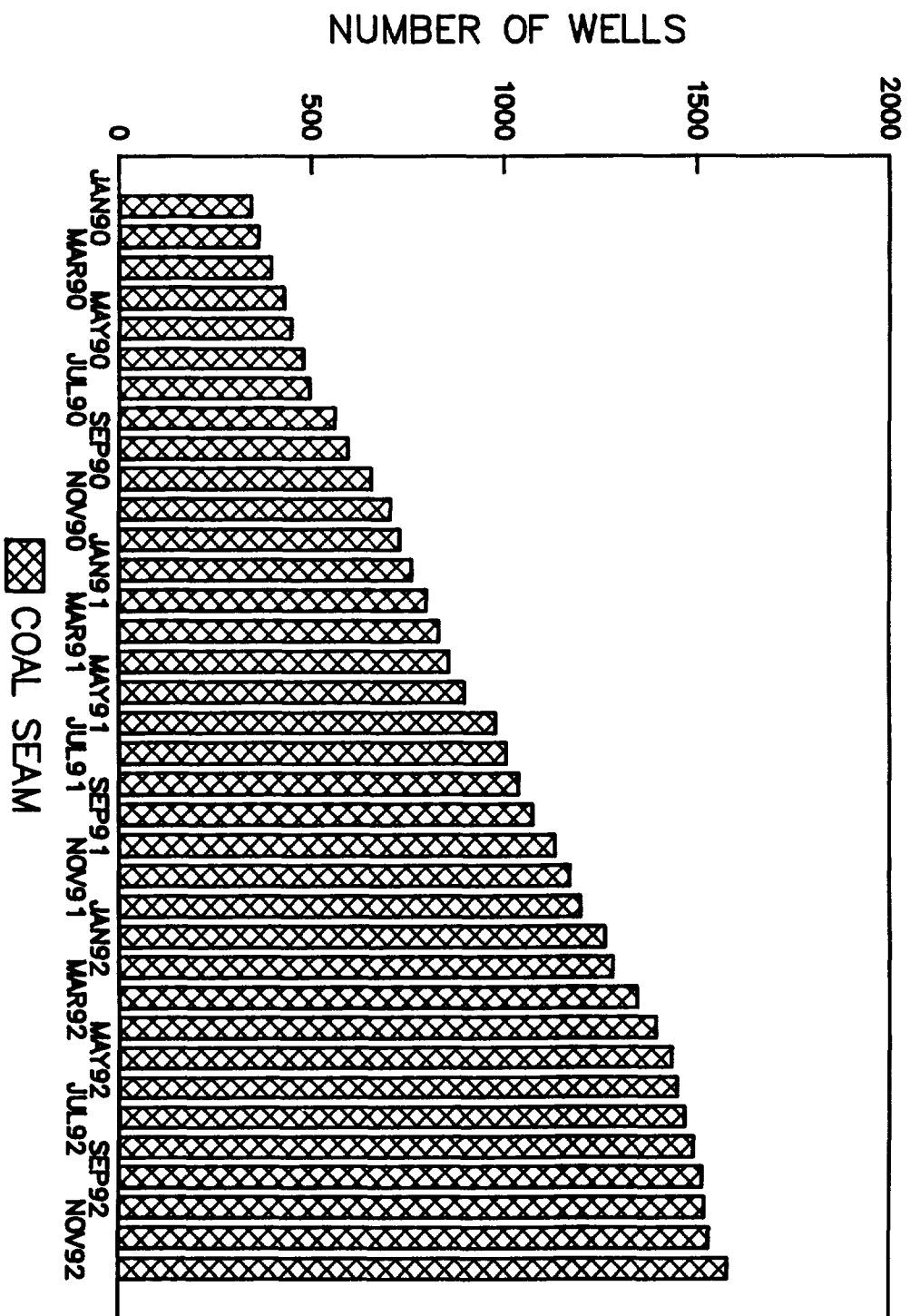
# NEW MEXICO NATURAL GAS PRODUCTION



# OFFICE OF INTERSTATE NATURAL GAS MARKETS



## PRODUCING COAL SEAM GAS WELLS

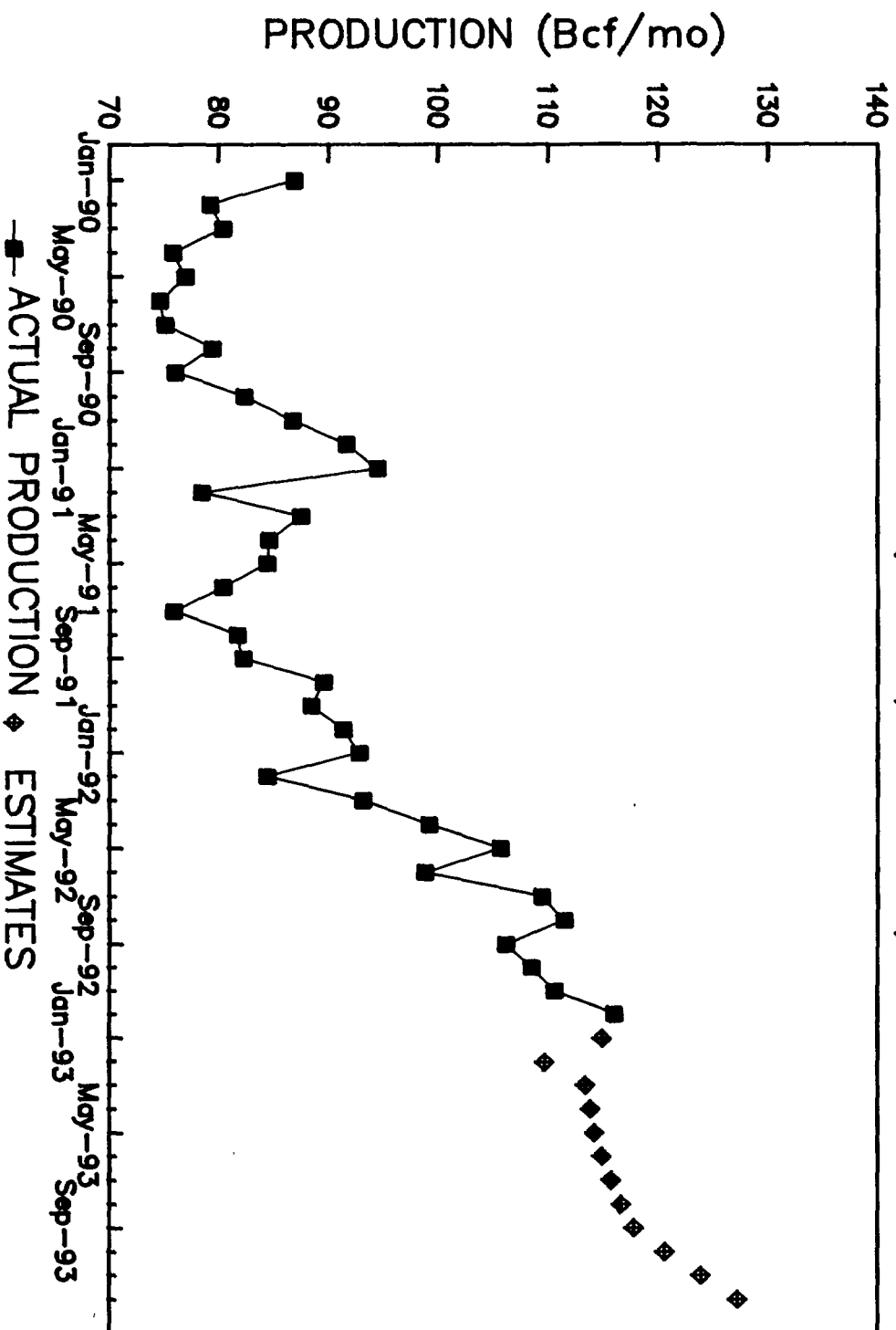


# OFFICE OF INTERSTATE NATURAL GAS MARKETS



## VIEW OF MONTHLY PRODUCTION

(ACTUAL/ESTIMATES)

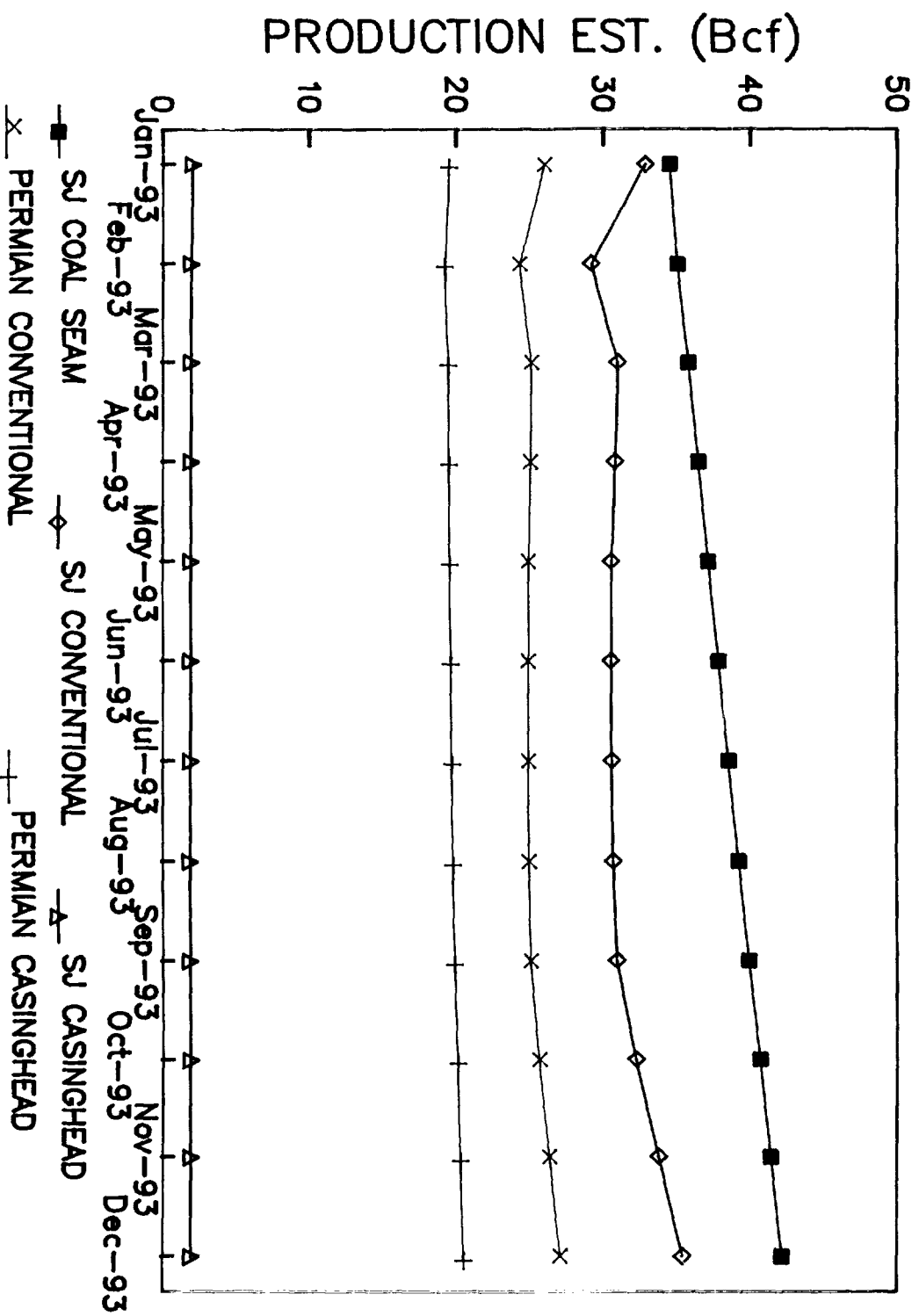




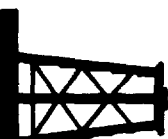
# OFFICE OF INTERSTATE NATURAL GAS MARKETS



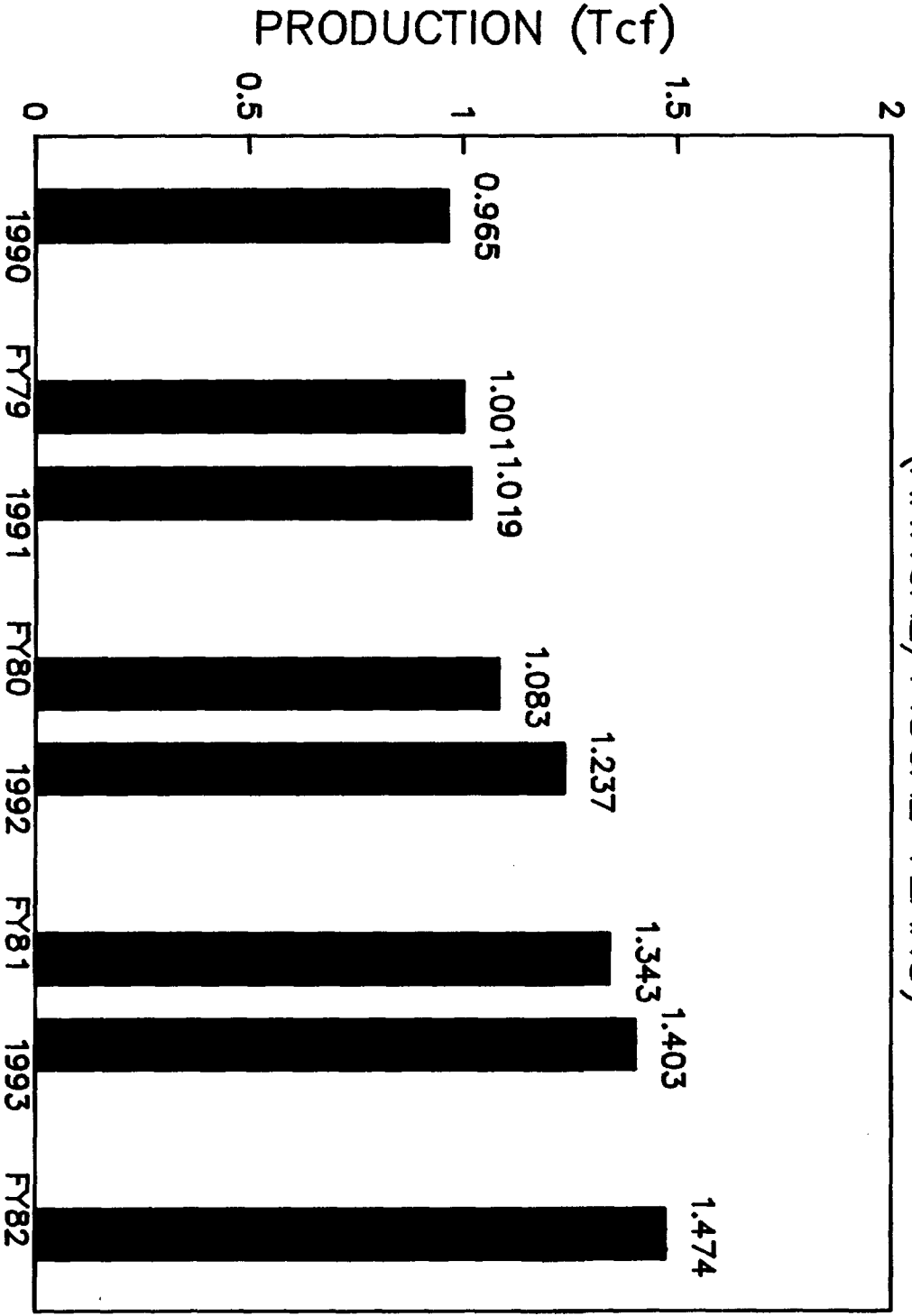
## PRODUCTION ESTIMATES BY CATEGORY, BY MONTH



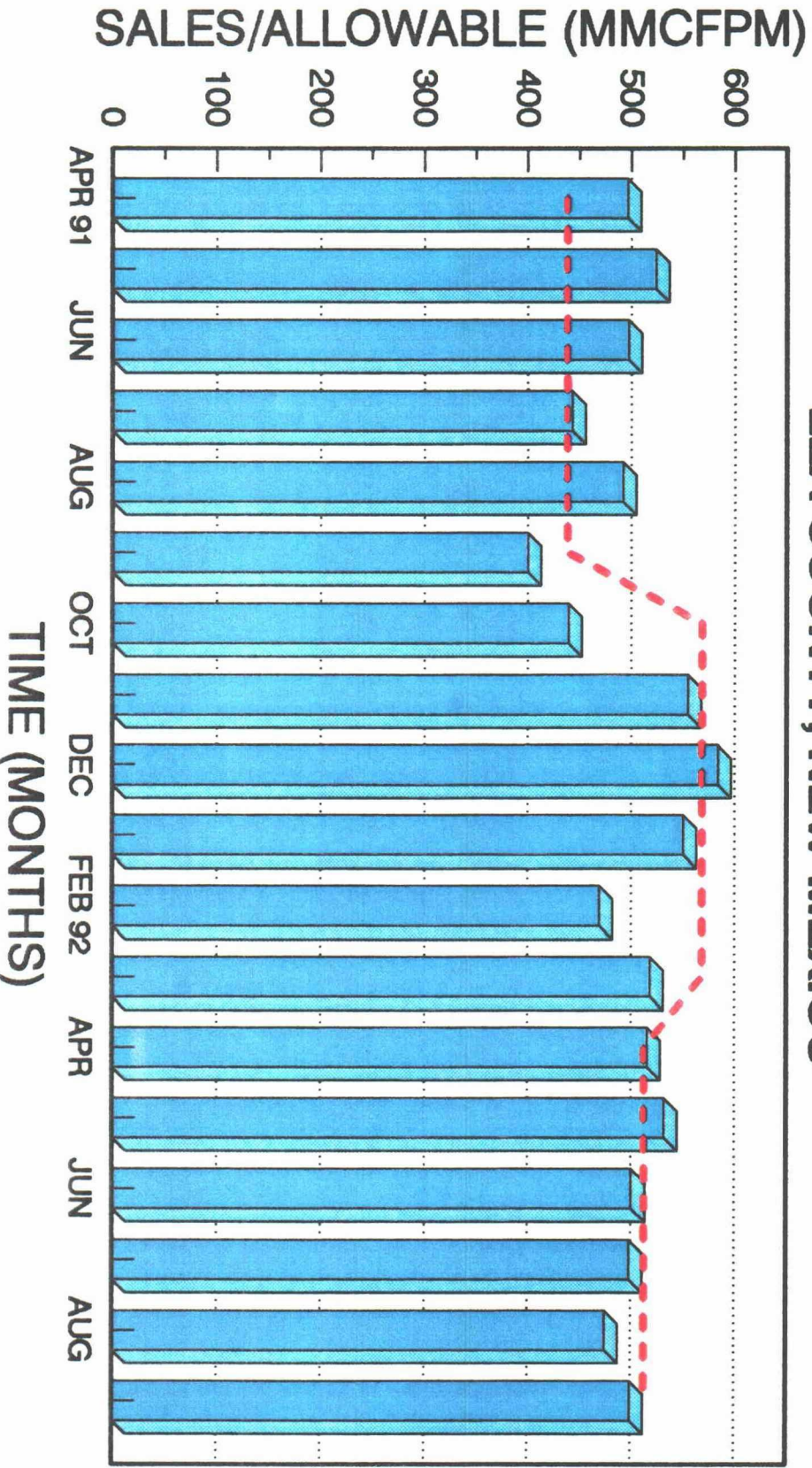
OFFICE OF INTERSTATE NATURAL GAS MARKETS



NATURAL GAS PRODUCTION: ACTUAL & ESTIMATES  
(ANNUAL/FISCAL YEARS)



# **BLINEBRY GAS POOL** **LEA COUNTY, NEW MEXICO**



SALES ALLOWABLE  
 \* FEBRUARY 25, 1993 GAS ALLOWABLE HEARING

OIL CONSERVATION COMMISSION  
 Santa Fe, New Mexico  
 Case No. 10672 Exhibit No. /  
 Submitted By: Marathon Oil Company  
 Hearing Date: February 25, 1993

# BLINEBRY GAS POOL ALLOWABLES

APRIL, 1993 – SEPTEMBER, 1993

	PRELIMINARY FROM OCD		PROPOSED BY MOC	
AVERAGE MONTHLY POOL SALES APRIL, 1992 – SEPTEMBER, 1992		500824		500824
ADJUSTMENTS		0		34814
MONTHLY POOL ALLOWABLE APRIL, 1993 – SEPTEMBER, 1993		500824		535638
MONTHLY MARGINAL POOL ALLOWABLE APRIL, 1993 – SEPTEMBER, 1993		298138		298138
MONTHLY NON – MARGINAL POOL ALLOWABLE APRIL, 1993 – SEPTEMBER, 1993		202686		237500
NUMBER OF NON – MARGINAL ACREAGE FACTORS		6.25		6.25
MONTHLY ACREAGE ALLOCATE FACTOR APRIL, 1993 – SEPTEMBER, 1993		32429		38000

OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

Case No. 10672 Exhibit No. 2

Submitted By: Marathon Oil Company

Hearing Date: February 25, 1993



**Marathon  
Oil Company**

P.O. Box 552  
Midland, TX 79702-0552  
Telephone 915/682-1626

February 16, 1993

To all Operators  
Blinebry Pool  
Lea County, New Mexico

RE: Upcoming NMOCC Allowables Hearing  
Proposed Blinebry Allowables

Gentlemen:

Marathon has reviewed the preliminary allowable estimates recently issued by the New Mexico Oil Conservation Division which will provide the starting point for the hearings scheduled for February 25, 1993 on gas allowables for the upcoming allocation period (April, 1993 - September, 1993). Marathon intends to propose at the hearings that a sufficient positive adjustment be made to the preliminary monthly pool allowable for the Blinebry Pool in order to increase the monthly acreage allocation factor (F1 factor) for Blinebry non-marginal wells, from the 32,429 MCF per month set out on the preliminary table, to 38,000 MCF per month.

To the best of Marathon's knowledge, such an F1 factor, if adopted, would allow all non-marginal wells in the field (with an acreage factor of 1.00) to produce to their full capabilities. Marathon has the markets to sell the additional gas which would be produced under its proposal, and believes that the other operators in the field would be able to find purchasers for their additional production as well. The transportation systems which serve the field are more than adequate to deal with the additional production which would result from the adoption of Marathon's proposal. No operator, whether it operates marginal or non-marginal wells, would have its ability to market its gas inhibited by Marathon's proposal.

Marathon asks that you support its request to increase the allowables for the Blinebry pool. If at all possible, Marathon asks that you provide its Midland office a letter prior to February 25, 1993 whereby you indicate your support for Marathon's proposal. If you have any questions with regard to Marathon's proposal, please feel free to call Marathon Reservoir Engineer, Craig Kent, at (915) 687-8282.

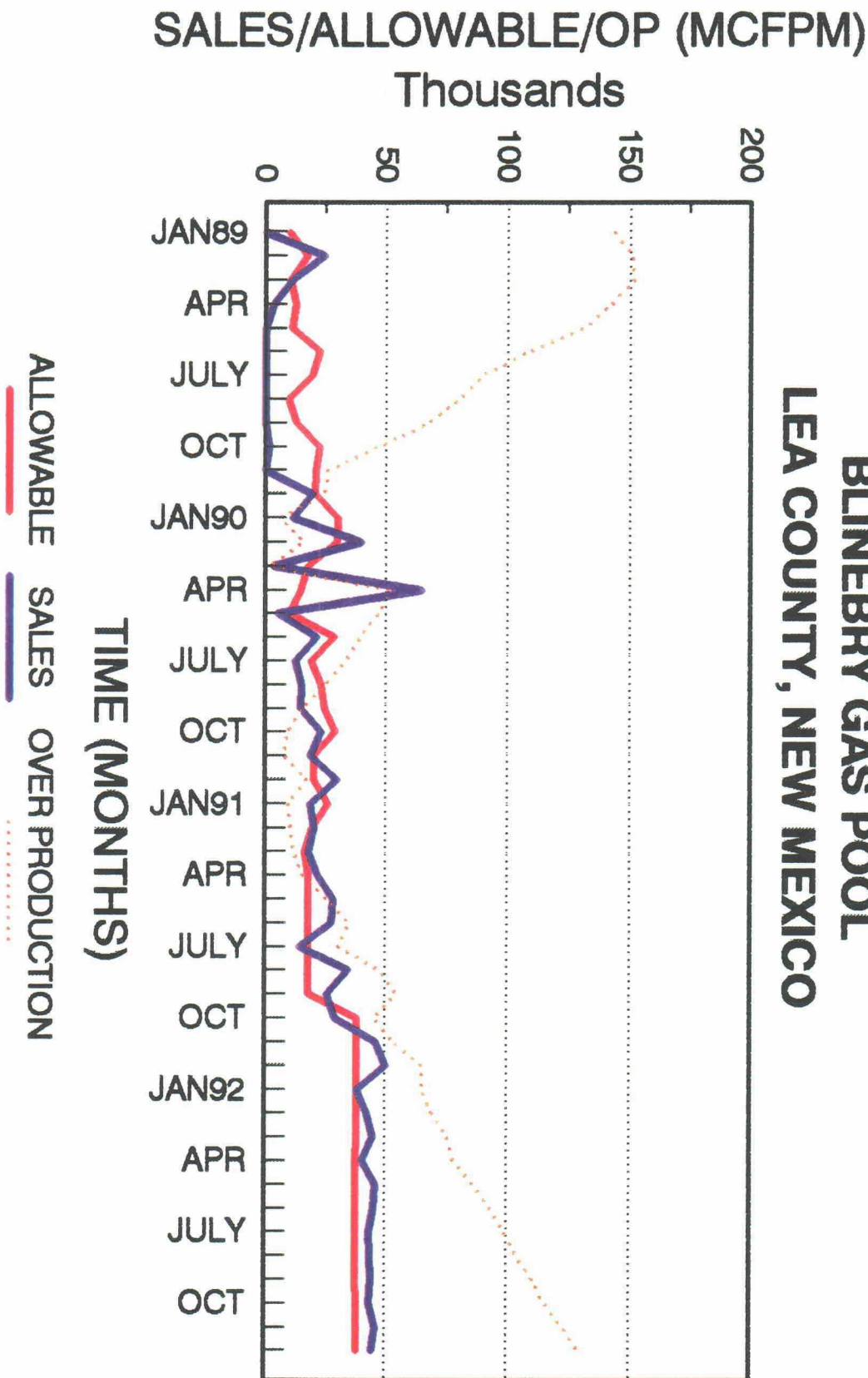
Sincerely

A handwritten signature in dark ink, appearing to read 'T. N. Tipton'.

T. N. Tipton  
Engineering Manager

Before the  
OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico  
Case No. 10672 Exhibit No. 3  
Submitted by: Marathon Oil Company  
Hearing Date: February 25, 1993

# LOU WORTHAN NO. 9 BLINEBRY GAS POOL LEA COUNTY, NEW MEXICO

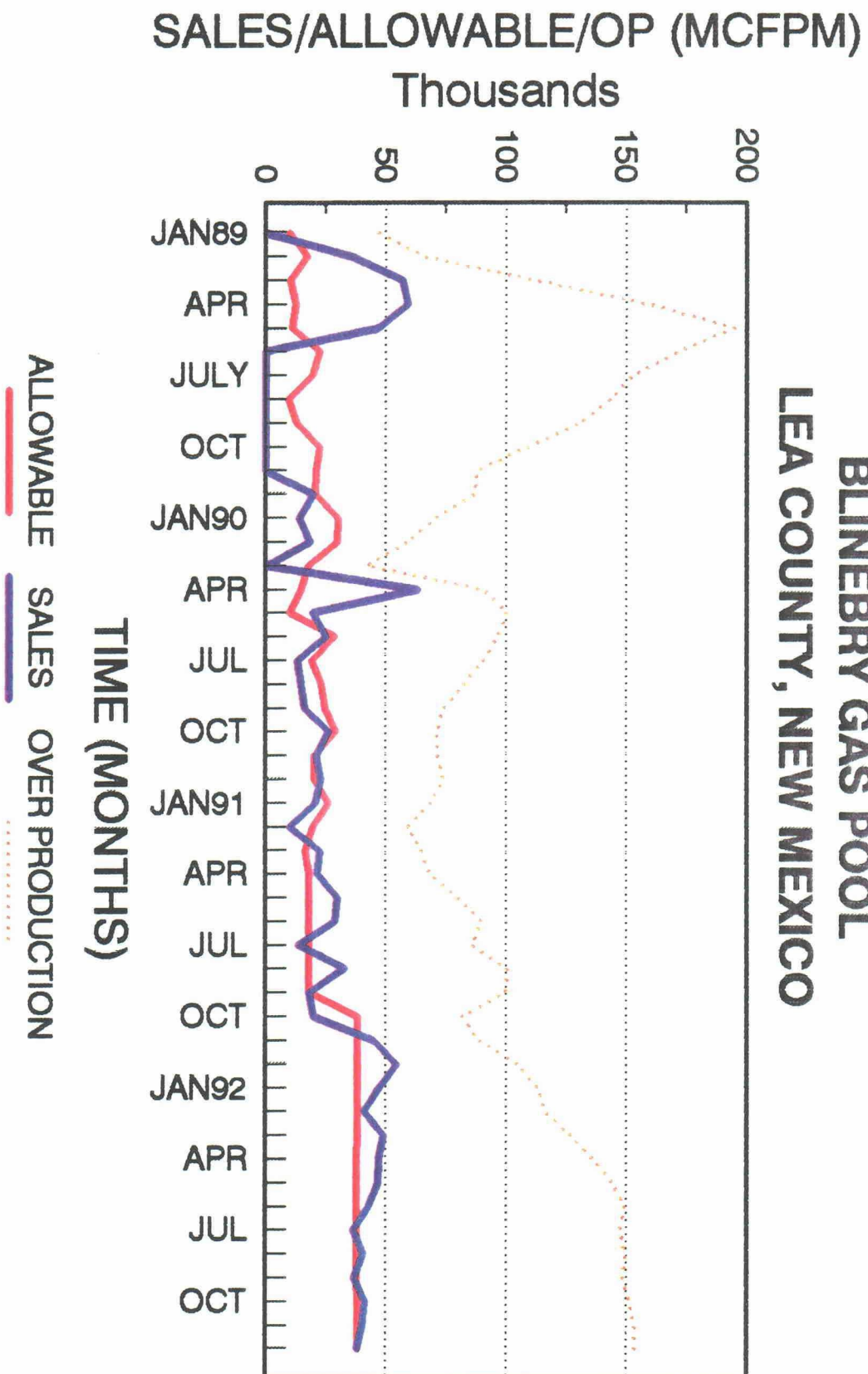


\* FEBRUARY 25, 1993 GAS ALLOWABLE HEARING

OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico  
Case No. 10672 Exhibit No. 4  
Submitted By: Marathon Oil Company  
Hearing Date: February 25, 1993



# LOU WORTHAN NO. 12 BLINEBRY GAS POOL LEA COUNTY, NEW MEXICO



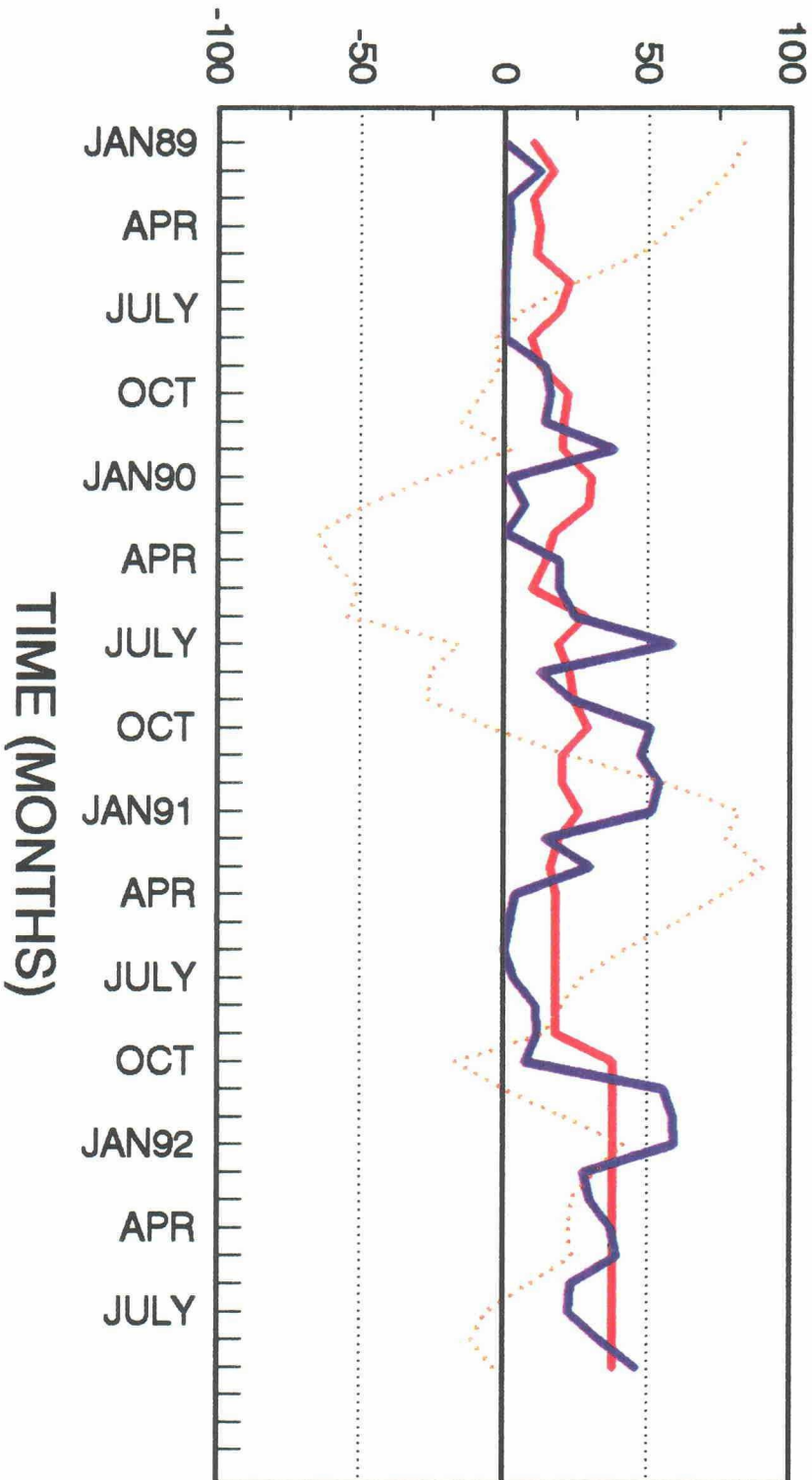
\* FEBRUARY 25, 1993 GAS ALLOWABLES HEARING

# ELLIOTT HINTON NO. 1

## BLINEBRY GAS POOL

### JOHN H. HENDRIX CORP

SALES/ALLOWABLE/OP (MCFPM)  
Thousands



\* FEBRUARY 25, 1993 GAS ALLOWABLE HEARING

OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico  
Case No. 10672 Exhibit No. 8  
Submitted By: Marathon Oil Company  
Hearing Date: February 25, 1993



**EXHIBIT 1**

MONTH-SUPPLIER 1971-1 FACTORIAL 11111 11111 11111 11111 11111  
 DESIGN FACT SUPPLIER F1= 10,000  
 INDEPENDENT FACT 11111 F1= 25,000

10672 mkrasthor 2  
2/25/93

Exhibit "A"  
Case No. 10377  
Order No. R-9586

ENGSP216AT-ENGSP216A-01  
RUN-TIME: 08:13:57

MARKET DEMAND AND ALLOWABLE DETERMINATION SCHEDULE  
PRORATED GAS POOLS - SOUTHEAST NEW MEXICO  
FOR OCT 91 THRU MAR 92

RUN-DATE 09/09/91

	ATOKA PENN	BLINEBRY	BUFFALO VALLEY PENN	BURTON FLAT HORROR	CARLSBAD HORROR	CATCLAW DRAIN HORROR	ELKHORN INDIAN BASIN HORROR	INDIAN BASIN UPPER PENN	JALHAT	JUSTIS GL	TUBB	
( 1 ) AVERAGE MONTHLY POOL SALES OCT90-MAR91 ALL VOLUME ARE IN MCF.	113,401	414,669	214,667	436,754	237,631	146,818	2,218,783	196,828	3,229,032	884,356	39,436	231,773
( 2 ) TOTAL NOMINATIONS AVG MONTH VOL.	21,768					407,167	131,173	3,600,000	126,500	22,669		9,112
( 3 ) ADJUSTMENTS.	27,000	152,320			56,000	95,470	204,616	4,000	328,000	319,475	6,000	35,000
( 4 ) MONTHLY POOL ALLOWABLE OCT91-MAR92 (LINE 1 + LINE 3.)	140,401	566,989	214,667	436,754	293,631	242,288	2,423,399	200,828	3,557,032	1,203,831	45,436	266,773
( 5 ) MONTHLY MARGINAL POOL ALLOWABLE OCT91-MAR92	32,121	157,145	118,757	163,645	213,958	92,288	1,385,423	75,247	2,542,064	801,231	14,064	154,974
( 6 ) MONTHLY NON-MARGINAL POOL ALLOWABLES OCT91-MAR92 LINE 4 - LINE 5	108,280	409,844	95,910	253,109	79,673	150,000	1,037,976	125,581	1,014,968	402,600	31,372	111,799
( 7 ) NUMBER OF NON-MARGINAL ACREAGE FACTORS	3.42	10.75	2.00	6.88	3.97	2.00	56.72	.86	5.49	22.00	9.00	11.00
( 8 ) MONTHLY ACREAGE ALLOCATE FACTOR OCT91-MAR92 (LN 6 / LN 7)	11,660	38,125	47,955	36,789	20,068	75,000	16,300	146,024	184,875	18,300	3,485	10,163

F1 FACTORS FOR OTHER POOLS  
BURTON FLAT STRAIN F1 = 10,000  
HORROR POOL ELLEN F1 = 25,000

Before the  
OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico  
Case No. 10673 Exhibit No. 10  
Submitted By: MARGALYN  
Hearing Date: 2/25/93

ENGP216T--ENGP216-01  
RUN-TIME: 06:56:58

EXHIBIT "A" CASE NO. 10450  
MARKET DEMAND AND ALLOWABLE DETERMINATION SCHEDULE  
PRORATED GAS POOLS - SOUTHEAST NEW MEXICO  
FOR APR92 THRU SEP92

RUN-DATE 03/23/92

	ATOKA PENN	BLINEBRY	BUFFALO	BURTON FLAT	CARLSBAD	CATCLAW DRAH	EUTMONT	INDIAN BASIN	INDIAN BASIN	JALVAT	JUSTIS GL	TUBB
	VALLEY PENN	MORROM	HARROM	MORROM	MORROM	SO	UPPER PENN					
( 1 ) AVERAGE MONTHLY POOL SALES APR91-SEP91 ALL VOLUME ARE IN MCF.	69,914	354,110	157,429		233,629	238,675	1,936,303	74,035	3,292,012	966,159	40,742	204,165
( 2 ) TOTAL NOMINATIONS AVG MONTH VOL.												
( 3 ) ADJUSTMENTS.	48,000	157,241	7,000		100,000	58,559	169,191					10,000
( 4 ) MONTHLY POOL ALLOWABLE APR92-SEP92 (LINE 1 + LINE 3.)	137,914	511,351	164,429		333,629	297,234	2,105,494	74,035	3,292,012	966,159	40,742	214,165
( 5 ) MONTHLY MARGINAL POOL ALLOWABLE APR91-SEP91	25,062	131,351	134,745		186,434	53,234	1,364,710	63,149	2,250,351	814,000	13,116	121,127
( 6 ) MONTHLY NON-MARGINAL POOL ALLOWABLES APR92-SEP92 LINE 4 - LINE 5	112,852	300,000	29,684		147,195	244,000	740,784	10,886	1,041,661	152,159	27,626	93,038
( 7 ) NUMBER OF NON-MARGINAL ACREAGE FACTORS	3.78	10.00	1.00		4.97	2.00	40.48	.86	6.49	8.00	7.00	9.00
( 8 ) MONTHLY ACREAGE ALLOCATE FACTOR APR92-SEP92 (LN 6 / LN 7)	29,855	38,000	29,684		29,617	122,000	18,300	12,658	160,502	19,020	3,947	10,338

F1 FACTORS FOR OTHER POOLS  
BURTON FLAT STRAMI F1 = 10,000  
MONTGOMERY HCKEE ELLEN F1 = 25,000

ENGP216T--ENGP216-01

EXHIBIT "A" COMMISSION ORDER NO. R--9734  
MARKET DEMAND AND ALLOWABLE DETERMINATION SCHEDULE  
PRORATED GAS POOLS - SOUTHEAST NEW MEXICO  
FOR OCT92 THRU MAR93

	ATOKA PENN	BLINEBRY	BUFFALO VALLEY PENN	CARLSBAD HORROM	CATCLAW DRAM HORROM	EUMONT INDIAN BASIN HORROM	INDIAN BASIN UPPER PENN	JALPAT	JUSTIS GL	TUBB	
( 1 ) AVERAGE MONTHLY POOL SALES OCT91-MAR92 ALL VOLUME ARE IN MCF.	100,603	454,535	276,371	230,677	355,760	2,596,563	81,249	3,027,791	1,143,588	55,754	252,532
( 2 ) TOTAL NOMINATIONS AVG MONTH VOL.											
( 3 ) ADJUSTMENTS.		36,681								81,000	
( 4 ) MONTHLY POOL ALLOWABLE OCT92-MAR93 (LINE 1 + LINE 3.)	100,603	491,216	276,371	230,677	355,760	2,596,563	81,249	3,027,791	1,143,588	136,754	252,532
( 5 ) MONTHLY MARGINAL POOL ALLOWABLE OCT91-MAR92	81,189	233,872	276,371	196,007	230,505	2,825,600	81,249	2,048,526	1,062,804	27,523	184,565
( 6 ) MONTHLY NON-MARGINAL POOL ALLOWABLES OCT92-MAR93 LINE 4 - LINE 5	19,414	257,344		34,670	125,255	370,963		979,265	80,784	109,231	67,967
( 7 ) NUMBER OF NON-MARGINAL ACREAGE FACTORS	1.00	6.75		1.00	1.00	15.00		5.49	3.25	6.00	7.00
( 8 ) MONTHLY ACREAGE ALLOCATE FACTOR OCT92-MAR93 (LN 6 / LN 7)	19,414	38,125	*30,000	34,670	125,255	24,730	*36,000	178,372	24,856	18,205	9,710

F1 FACTORS FOR OTHER POOLS  
BURTON FLAT STRAM F1 = 10,000  
MONUMENT HCKEE ELLEN F1 = 25,000

\*AS OF 3-31-92, THESE POOLS DO NOT HAVE ANY WELLS IN A NON-MARGINAL STATUS. THESE F1 FACTORS ARE ASSIGNED TO MONITOR THE WELLS IN THE POOLS.

ILLEGIBLE

ENR2161-ENR216-01  
RUN-TIME: 15:40:43

EXHIBIT "A" COMMISSION ORDER NO.  
MARKET DEMAND AND ALLOWABLE DETERMINATION SCHEDULE  
FOR APR93 THROUGH SEP93  
FOR APR93 THROUGH SEP93

RUN-DATE 02/06/93

	ATOKA PERM	RIHHEDRY	RUFFALO	CARLSBAD	CAICLAN DRAH	EURNOUT	INDIAN BASIN	INDIAN BASIN	JALHAT	JUSTIS GL	TUBB
	VALLEY PERM	HOPROM	HOPROM	HOPROM	HOPROM	SO	UPPER PERM				
(1) AVERAGE MONTHLY POOL SALES APR93-SEP93 ALL VOLUME APE IN MCF.	105,750	500,824	310,329	240,081	306,049	2,505,122	92,730	3,513,791	1,100,140	48,936	200,492

(2) TOTAL  
NOMINATIONS  
AVG MONTH VOL.

(3) ADJUSTMENTS.

(4) MONTHLY POOL ALLOWABLE APR93-SEP93 (LINE 1 + LINE 3.1)	105,750	500,824	310,329	240,081	306,049	2,505,122	92,730	3,513,791	1,100,140	48,936	200,492
---	---------	---------	---------	---------	---------	-----------	--------	-----------	-----------	--------	---------

(5) MONTHLY MARGINAL POOL ALLOWABLE APR93-SEP92	82,459	290,130	239,520	233,949	301,060	1,933,788	36,175	2,320,245	1,061,617	7,805	165,489
---	--------	---------	---------	---------	---------	-----------	--------	-----------	-----------	-------	---------

(6) MONTHLY NON-MARGINAL POOL ALLOWABLES APR93-SEP93 LINE 4 - LINE 5	23,299	202,696	70,809	6,932	82,989	571,334	56,555	1,193,546	106,531	41,131	123,003
--	--------	---------	--------	-------	--------	---------	--------	-----------	---------	--------	---------

(7) NUMBER OF NON-MARGINAL ACREAGE FACTORS	1.00	6.25	2.00			19.75	2.00	6.92	4.25	7.00	9.50
--	------	------	------	--	--	-------	------	------	------	------	------

(8) MONTHLY ACREAGE ALLOCATE FACTOR APR93-SEP93 (LINE 6 / LINE 7)	23,299	32,429	35,450			20,920	27,109	172,476	25,066	5,876	12,947
--	--------	--------	--------	--	--	--------	--------	---------	--------	-------	--------

F1 FACTORS FOR OTHER POOLS  
BURTON FLAT STRAIN F1 = 10,000  
MOUNTAIN HILL ELLER F1 = 25,000

# HINKLE, COX, EATON, COFFIELD & HENSLEY

ATTORNEYS AT LAW

218 MONTEZUMA

POST OFFICE BOX 2068

SANTA FE, NEW MEXICO 87504-2068

(505) 982-4554

FAX (505) 982-8623

CLARENCE E. HINKLE (1904-1985)  
W. E. BONDURANT, JR. (1913-1973)  
ROY C. SNODGRASS, JR. (1914-1987)

OF COUNSEL  
O. M. CALHOUN\*  
MACK EASLEY  
JOE W. WOOD  
RICHARD S. MORRIS

WASHINGTON, D.C.  
SPECIAL COUNSEL  
ALAN J. STATMAN\*

700 UNITED BANK PLAZA  
POST OFFICE BOX 10  
ROSWELL, NEW MEXICO 88202  
(505) 622-6510  
FAX (505) 623-9332

2800 CLAYDESTA CENTER  
6 DESTA DRIVE  
POST OFFICE BOX 3580  
MIDLAND, TEXAS 79702  
(915) 683-4691  
FAX (915) 683-6518

1700 TEAM BANK BUILDING  
POST OFFICE BOX 9238  
AMARILLO, TEXAS 79105  
(806) 372-5569  
FAX (806) 372-9761

500 MARQUETTE N.W., SUITE 800  
POST OFFICE BOX 2043  
ALBUQUERQUE, NEW MEXICO 87103  
(505) 768-1500  
FAX (505) 768-1529

LEWIS C. COX  
PAUL W. EATON  
CONRAD E. COFFIELD  
HAROLD L. HENSLEY, JR.  
STUART D. SHANOR  
ERIC D. LANPHERE  
C. D. MARTIN  
ROBERT P. TINNIN, JR.  
MARSHALL G. MARTIN  
OWEN M. LOPEZ  
DOUGLAS L. LUNSFORD  
JOHN J. KELLY  
NICHOLAS J. NOEDING  
T. CALDER EZZELL, JR.  
WILLIAM B. BURFORD\*  
RICHARD E. OLSON  
RICHARD R. WILFONG\*  
THOMAS J. MCBRIDE  
JAMES J. WECHSLER  
NANCY S. CUSACK  
JEFFREY L. FORNACIARI  
JEFFREY D. HEWETT  
JAMES BRUCE  
JERRY F. SHACKELFORD\*  
JEFFREY W. HELLBERG\*  
ALBERT L. PITTS  
THOMAS M. HNASKO  
JOHN C. CHAMBERS\*  
GARY D. COMPTON\*  
MICHAEL A. GROSS  
THOMAS D. HAINES, JR.  
GREGORY J. NIBERT  
DAVID T. MARKETTE\*  
MARK C. DOW

FRED W. SCHWENDIMANN  
JAMES M. HUDSON  
JEFFREY S. BAIRD\*  
REBECCA NICHOLS JOHNSON  
WILLIAM P. JOHNSON  
STANLEY K. KOTOVSKY, JR.  
H. R. THOMAS  
ELLEN S. CASEY  
MARGARET CARTER LUDEWIG

S. BARRY PAISNER  
STEPHEN M. CRAMPTON  
MARTIN MEYERS  
GREGORY S. WHEELER  
ANDREW J. CLOUTIER  
JAMES A. GILLESPIE  
GARY W. LARSON  
STEPHANIE LANDRY  
JOHN R. KULSETH, JR.  
MARGARET P. MCNETT\*  
BRIAN T. CARTWRIGHT\*  
LISA K. SMITH\*  
ROBERT H. BETHEA\*  
BRADLEY W. HOWARD  
CHARLES A. SUTTON  
NORMAN D. EWART  
DARREN T. GROCE\*  
MOLLY MCINTOSH  
MARCIA B. LINCOLN  
SCOTT A. SHUART\*  
DARREN L. BROOKS  
CHRISTINE E. JALE  
PAUL G. NASON  
DARLA M. SILVA

\*NOT LICENSED IN NEW MEXICO

February 24, 1993

William J. LeMay  
Oil Conservation Division  
310 Old Santa Fe Trail  
Santa Fe, New Mexico 87503

Re: Case No. 10,672 (Gas Allowable Hearing)

Dear Mr. LeMay:

Enclosed are an original and two copies of a Pre-Hearing Statement submitted by Exxon Corporation with respect to the above case. I apologize for the delay in submitting the Statement, but I was not informed until today that my client would be presenting a short case.

Very truly yours,

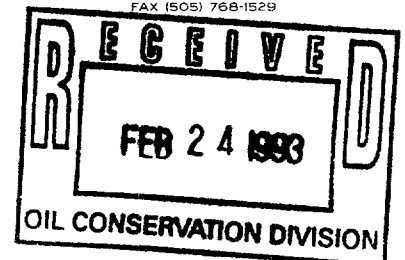
HINKLE, COX, EATON, COFFIELD  
& HENSLEY

*James Bruce*  
James Bruce

JB:frs  
Enclosures

Via Hand Delivery

JGB5\93436.c

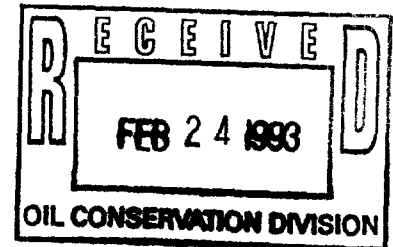


STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION COMMISSION

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
DIVISION FOR THE PURPOSE OF  
CONSIDERING:

CASE NO. 10,672

THE HEARING CALLED BY THE OIL  
CONSERVATION DIVISION TO ACCEPT  
NOMINATIONS AND OTHER EVIDENCE  
REGARDING APRIL 1993 THROUGH  
SEPTEMBER 1993 GAS ALLOWABLES  
FOR PRORATED POOLS



PRE-HEARING STATEMENT

This pre-hearing statement is submitted by Exxon Corporation as required by the Oil Conservation Commission.

APPEARANCE OF PARTIES

APPLICANT

ATTORNEY

Oil Conservation Division

Robert G. Stovall

OTHER PARTY

ATTORNEY

Exxon Corporation  
Post Office Box 1600  
Midland, Texas 79702  
(915) 688-6174  
Attn: William T. Duncan, Jr.

James Bruce  
Hinkle, Cox, Eaton, Coffield  
& Hensley  
Post Office Box 2068  
Santa Fe, New Mexico 87504-2068  
(505) 982-4554

STATEMENT OF CASE

APPLICANT

OPPOSITION

Exxon requests that the allowable be increased for three of its wells in the Tubb Oil and Gas Pool.

PROPOSED EVIDENCE

APPLICANT

WITNESSES

EST. TIME

EXHIBITS

OPPOSITION

WITNESSES

EST. TIME

EXHIBITS

(a) W. T. Duncan, Jr.  
(Petroleum Engineer)

10 min

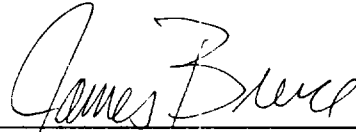
Approximately three.

PROCEDURAL MATTERS



Respectfully submitted,

HINKLE, COX, EATON, COFFIELD  
& HENSLEY

A handwritten signature in cursive script, appearing to read "James Bruce", is written over a horizontal line.

James Bruce  
Post Office Box 2068  
Santa Fe, New Mexico 87504-2068  
(505) 982-4554

Attorneys for Exxon Corporation

CASE 10612  
ORDER R-9858

BY THE COMMISSION

This cause came on for hearing at 9:00 a.m. on February 25, 1993, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

Now on this \_\_\_\_\_ day of March, 1993, the Commission, a quorum being present and having considered the testimony, the exhibits received at said hearing, and being fully advised in the premises,

FINDS THAT:

(1) Due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) This hearing was called for the purpose of accepting nominations and other evidence and information to assist in determining April, 1993 through September, 1993 gas allowables for the prorated gas pools in New Mexico. Thirteen of the prorated gas pools are in Lea, Eddy, and Chaves Counties in Southeast New Mexico, and the other four prorated gas pools are in San Juan, Rio Arriba, and Sandoval Counties in Northwest New Mexico.

(3) Amendments to the Gas Proration Rules approved by the Commission Order No. R-8170-H in December, 1990 provide for the allowables to be established for six-month allocation periods beginning in April and October of each year.

(4) Average monthly allowables for April, 1993 through September, 1993 for each pool are calculated by taking the monthly average individual pool sales for April 1992 through September 1992 and adding positive or negative adjustments which are supported by substantial evidence presented at this hearing.

(5) Oil Conservation Division (OCD) personnel prepared Market Demand and Allowable Determination Schedules for the prorated gas pools in New Mexico. These schedules contained pool production information from the period April 1992 through September 1992 without adjustments and the calculations assigning the preliminary allowables to marginal and non-marginal wells, based upon their classification at the time the schedules were prepared. Producers, purchasers, and transporters of gas were asked to review these preliminary allowables and to submit evidence at this hearing which would support any recommended adjustments to the pool allowable.

(6) The Director of the Office of Interstate Natural Gas Markets submitted graphs showing the history of natural gas production in New Mexico. These graphs also showed the recent increases in production and a lessening in the seasonal effect on production. The production for 1993 was estimated to continue to increase but not as fast as it did in 1992.

(7) Three different Operators appeared and requested upward adjustments to the pools in Northwest New Mexico.

BASIN-DAKOTA ~~GAS~~ POOL

(8) *Meridian Oil, Inc., Phillips Petroleum and Amoco Production Co. requested the following adjustments to the pool allowable for the Basin-Dakota ~~GAS~~ Pool:*

COMPANY	ADJUSTMENT	RESULTING POOL ALLOWABLE
Meridian Oil, Inc.	2,000,000	10,171,546
Phillips Petroleum	2,600,000	10,771,546
Amoco Production Co.	1,500,000	9,671,546

*Each company supported its recommendation with testimony that the gas market for the subject period would increase and would not be subject to the historic seasonal drop over the summer months. The Amoco witness testified that it felt the Meridian recommendation was not unreasonable, but the Phillips request was probably too high.*

FINDING: A pool allowable adjustment of 2,000,000 MCF per month is a reasonable and substantial adjustment.

BLANCO-MESA VERDE ~~GAS~~ POOL

(9) *The same three companies presented evidence and requested increases to the Blanco-Mesa Verde ~~GAS~~ Pool allowable as follows:*

COMPANY	ADJUSTMENT	RESULTING POOL ALLOWABLE
Meridian Oil, Inc.	3,000,000	17,317,142
Phillips Petroleum	2,700,000	17,017,142
Amoco Production Co.	2,900,000	17,217,142

FINDING: A pool allowable adjustment of 2,900,000 MCF per month is appropriate and reasonable for this pool.

SOUTH BLANCO-PICTURED CLIFFS ~~GAS~~ POOL

(10) *Meridian Oil, Inc. and Amoco Production Co. requested pool allowable adjustments of 150,000 and 100,000 MCF per month, respectively, for the South Blanco-Pictured Cliffs ~~GAS~~ Pool.*

FINDING: The Division has, by <sup>NO.</sup> Order R-8170-L, set a minimum allowable of 100 MCF per day for gas proration units with an acreage factor of 1 in this pool, and an adjustment of 177,619 MCF per month for a pool monthly allowable of

1,434,904 MCF per month is needed for this pool in order to reach the minimum allowable required by that order.

#### TAPACITO-PICTURED CLIFFS GAS POOL

(11) Amoco Production Co. requested an adjustment of 75,000 for a pool monthly allowable of 309,942 for the Tapacito-Pictured Cliffs Gas Pool, which is a reasonable adjustment.

(12) Five operators appeared and presented testimony which supported upward adjustments in the allowables for three different pools in Southeast New Mexico.

#### BLINEBRY GAS POOL

(13) *Marathon Oil Company requested an adjustment of 34,814 MCF/mo. to the pool allowable as presented in the Market Demand and Allowable Determination Schedule prepared by the OCD personnel for the Blinebry Gas Pool. They presented evidence that there was a market for this production. They had also notified all operators in the Blinebry Gas Pool of their intent to request a higher allowable and had not received any objections.*

FINDING: The pool allowable for the Blinebry Gas Pool should be adjusted by 34,814 MCF/mo. since there exists a market for this production and no operator in the Blinebry Gas Pool objected to the increase.

#### INDIAN BASIN-UPPER PENN GAS POOL

(14) *Marathon Oil Company and Oryx Energy Company requested an adjustment of 166,234 MCF/mo. to the pool allowable for the Indian Basin-Upper Penn. Pool. Both companies indicated that they had performed remedial work on several of their wells and had significantly increased the wells' ability to produce. They also provided information that they had a market for this increased production. Marathon notified all the operators of wells in the pool of their intention to ask for this increase and had not received any objections.*

*Chevron USA, Inc. presented testimony that they had recently worked over several of their wells in the Indian Basin-Upper Penn. Pool and that they had significantly increased the wells' producing capacity. Chevron also presented testimony that they could market the increased production due to these workovers. They did not object to Marathon's and Oryx's request for an increase in allowable and did not make any recommendation themselves.*

FINDING: The Indian Basin-Upper Penn. Pool allowable as presented in the Market Demand and Allowable Determination Schedule should be adjusted by 166,234 MCF/mo. There is a market for this increased production and none of the operators in the pool objected to the increase.

#### TUBB GAS POOL

(15) *Exxon Corporation requested an adjustment in the pool allowable for the Tubb Gas Pool. The adjustment was 5,928 MCF/mo. and would increase the non-marginal proration unit by 20 MCF/Day.*

**FINDING:** The Tubb Gas Pool allowable should be adjusted by 5,928 MCF/mo. There was no opposition to this request and it does not appear to be enough to infringe on any correlative rights of other operators in the pool.

(16) By Order No. R-8170-M, the Justis-Glorieta Pool had a minimum gas allowable of 600 MCF/Day for an acreage factor of 1.0 established. To match this minimum allowable, an adjustment of 89,069 MCF/mo. should be made to the pool allowable.

IT IS THEREFORE ORDERED THAT:

(1) Exhibits "A" and "B" attached to and incorporated herein are adopted for the purpose of making allowable assignments for the prorated gas pools in New Mexico for the months April 1993 through September 1993.

(2) The Oil Conservation Division is hereby directed to allocate production to the individual gas proration units in each of the prorated gas pools for April 1993 through September 1993 allocation period in accordance with this order and other Division Rules, Regulations and Orders.

(3) Jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico on this day and year hereinabove designated.

93 FEB 22 PM 10 03

OIL CONSERVATION DIVISION

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

PURCHASER'S GAS NOMINATIONS

COMPANY <i>Northern Natural Gas Company</i>	ADDRESS <i>1111 South 103<sup>RD</sup> Street, Omaha Nebraska 68124</i>
--	--

In accordance with the Rules and Regulations of the Oil Conservation Division of the State of New Mexico, the above named company herewith submits its nominations for the purchase of gas from the Tubb

Pool for the month shown below: (insert in appropriate month)

MONTH	YEAR	NOMINATION, MCF
APRIL	1993	8,086
MAY		8,355
JUNE		8,086
JULY		8,355
AUGUST		8,355
SEPTEMBER		8,086
OCTOBER		
NOVEMBER		
DECEMBER		
JANUARY		
FEBRUARY		
MARCH		

NOTE: All Volumes are to be MCF at 15.025 psia and 60° F.

<i>James R. Kusek</i> Signature	JAMES R. KUSEK PRORATION SPECIALIST	2/15/93	(402) 398-7154
	Printed Name & Title	Date	Telephone No.

**FILING INSTRUCTIONS:** One copy of this form must be filed with the Santa Fe Office of the Division by the first day of the month during which the nominations are to be considered at public hearing.

OIL CONSERVATION DIVISION

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

PURCHASER'S GAS NOMINATIONS

COMPANY <i>Northern Natural Gas Company</i>	ADDRESS <i>1111 South 103<sup>RD</sup> Street, Omaha Nebraska 68124</i>
--	--

In accordance with the Rules and Regulations of the Oil Conservation Division of the State of New Mexico, the above named company herewith submits its nominations for the purchase of gas from the *Elmout Yatro*

Pool for the month shown below: (insert in appropriate month)

MONTH	YEAR	NOMINATION, MCF
APRIL	1993	144,313
MAY		149,118
JUNE		144,313
JULY		149,118
AUGUST		149,118
SEPTEMBER		144,313
OCTOBER		
NOVEMBER		
DECEMBER		
JANUARY		
FEBRUARY		
MARCH		

NOTE: All Volumes are to be MCF at 15.025 psia and 60° F.

<i>James R. Kusek</i> Signature	JAMES R. KUSEK PRORATION SPECIALIST Printed Name & Title	2/15/93 Date	(402) 398-7154 Telephone No.
------------------------------------	--	-----------------	---------------------------------

**FILING INSTRUCTIONS:** One copy of this form must be filed with the Santa Fe Office of the Division by the first day of the month during which the nominations are to be considered at public hearing.

OIL CONSERVATION DIVISION

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

PURCHASER'S GAS NOMINATIONS

COMPANY <i>Northern Natural Gas Company</i>	ADDRESS <i>1111 South 103<sup>RD</sup> Street, Omaha Nebraska 68124</i>
--	--

In accordance with the Rules and Regulations of the Oil Conservation Division of the State of New Mexico, the above named company herewith submits its nominations for the purchase of gas from the *Jalmat*

Pool for the month shown below: (insert in appropriate month)

MONTH	YEAR	NOMINATION, MCF
APRIL	1993	12,433
MAY		12,848
JUNE		12,433
JULY		12,848
AUGUST		12,848
SEPTEMBER		12,433
OCTOBER		
NOVEMBER		
DECEMBER		
JANUARY		
FEBRUARY		
MARCH		

NOTE: All Volumes are to be MCF at 15.025 psia and 60° F.

<i>James R. Kusek</i> Signature	JAMES R. KUSEK PRORATION SPECIALIST	2/15/93 Date	(402) 398-7154 Telephone No.
------------------------------------	--	-----------------	---------------------------------

**FILING INSTRUCTIONS:** One copy of this form must be filed with the Santa Fe Office of the Division by the first day of the month during which the nominations are to be considered at public hearing.



OIL CONSERVATION DIVISION

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

PURCHASER'S GAS NOMINATIONS

COMPANY <u>Northern Natural Gas Company</u>	ADDRESS <u>1111 South 103<sup>RD</sup> Street, Omaha Nebraska 68124</u>
--	--

In accordance with the Rules and Regulations of the Oil Conservation Division of the State of New Mexico, the above named company herewith submits its nominations for the purchase of gas from the Monument McKee

Pool for the month shown below: (insert in appropriate month)

MONTH	YEAR	NOMINATION, MCF
APRIL	1993	8,618
MAY		8,906
JUNE		8,618
JULY		8,906
AUGUST		8,906
SEPTEMBER	✓	8618
OCTOBER		
NOVEMBER		
DECEMBER		
JANUARY		
FEBRUARY		
MARCH		

NOTE: All Volumes are to be MCF at 15.025 psia and 60° F.

<u>James R. Kusek</u>	JAMES R. KUSEK		
Signature	PRORATION SPECIALIST	2/15/93	(402) 398-7154
	Printed Name & Title	Date	Telephone No.

**FILING INSTRUCTIONS:** One copy of this form must be filed with the Santa Fe Office of the Division by the first day of the month during which the nominations are to be considered at public hearing.