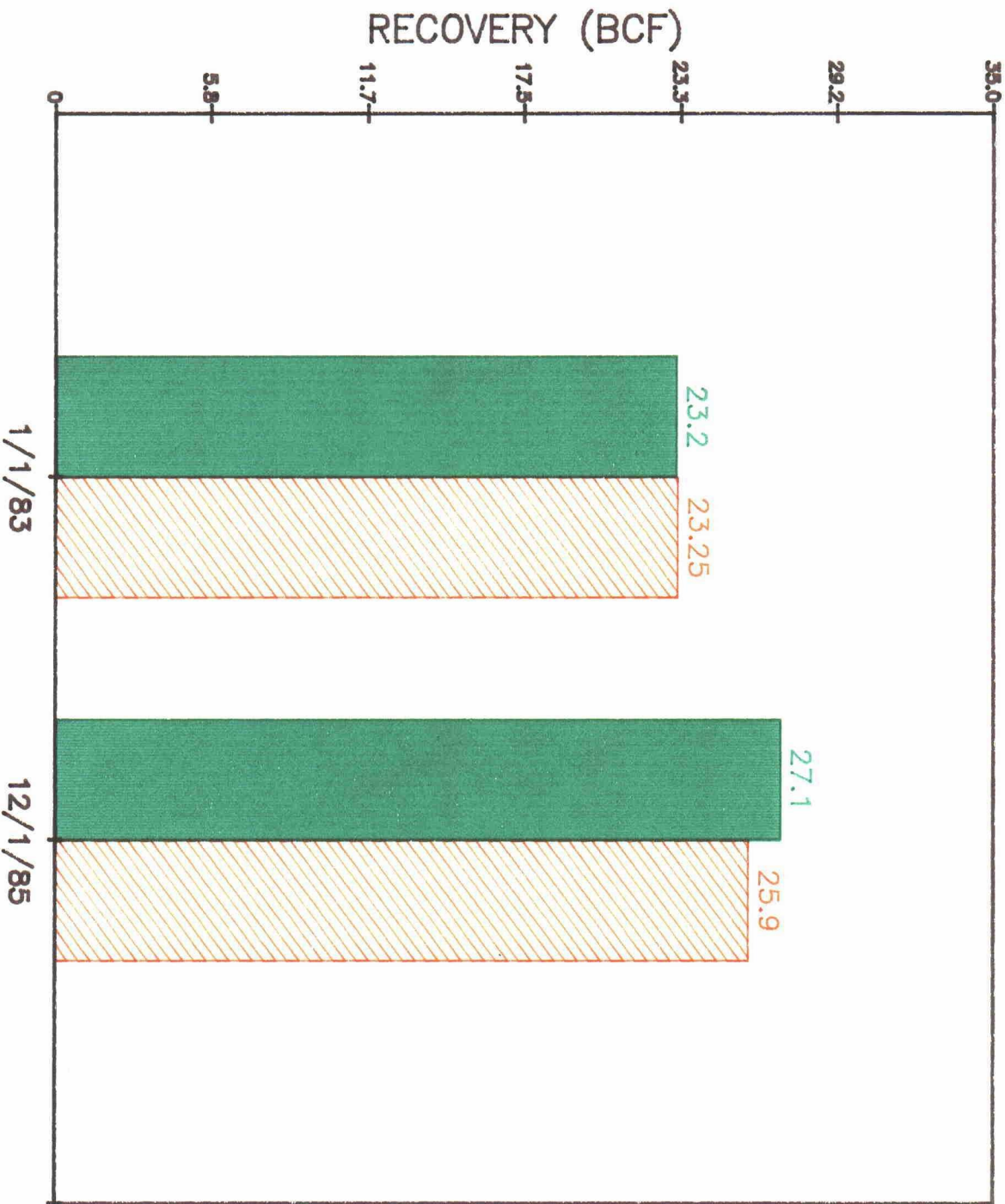


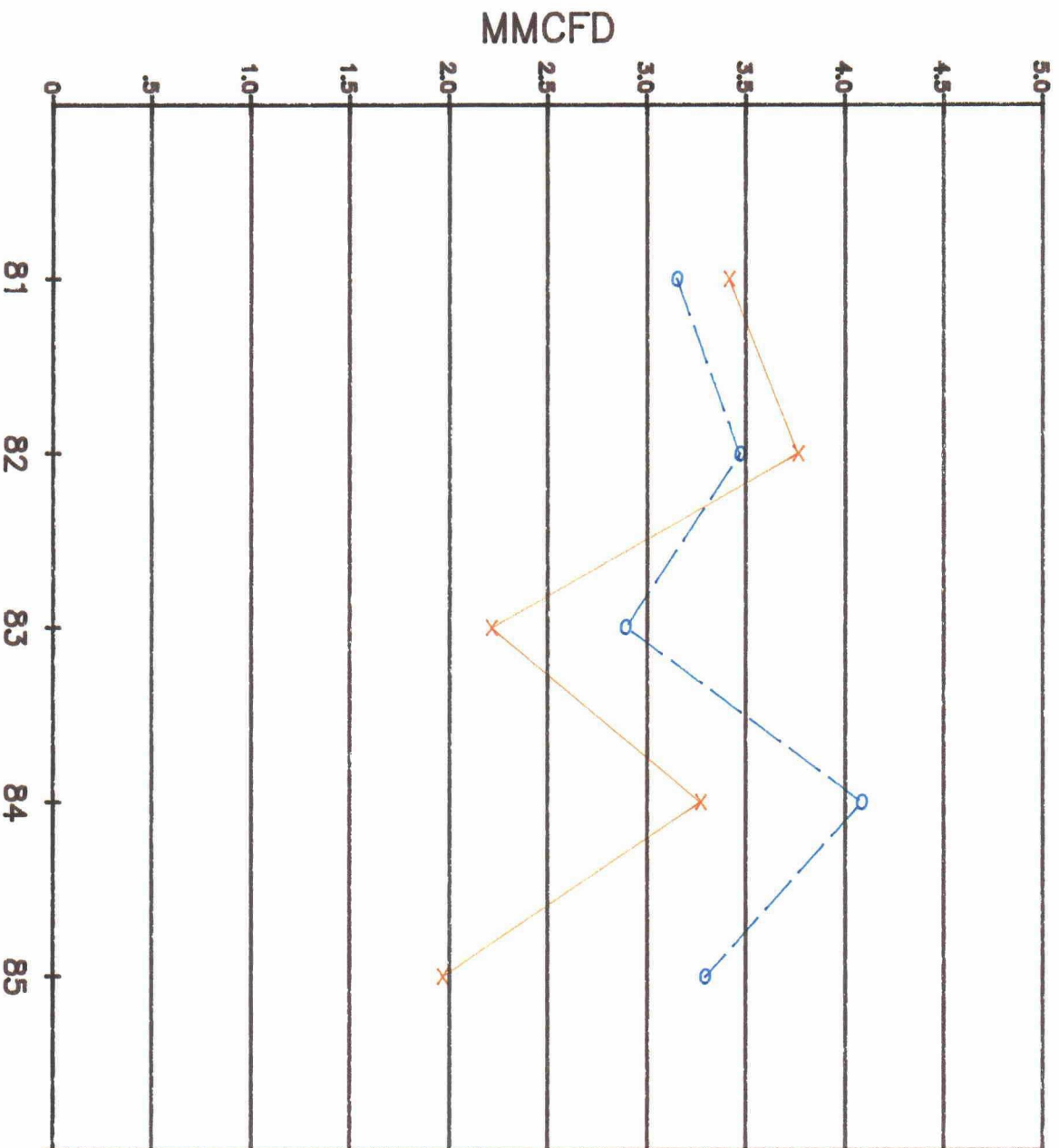
INDIAN BASIN UPPER PENN (PRORATED) FIELD
 RECOVERY COMPARISON VS. TIME
 WELLS WITHIN 2 MILES



LEGEND
 SURROUNDING WELLS
 AMOCO

BEFORE EXAMINER STOGNER
 OIL CONSERVATION DIVISION
 6/25/86 EXHIBIT NO. 3
 CASE NO. 8922 8923

INDIAN BASIN UPPER PENN (PRORATED) FIELD
 AVG. NON-MARGINAL WELL PRODUCTION RATES--
 BY OPERATOR AND PURCHASER



LEGEND

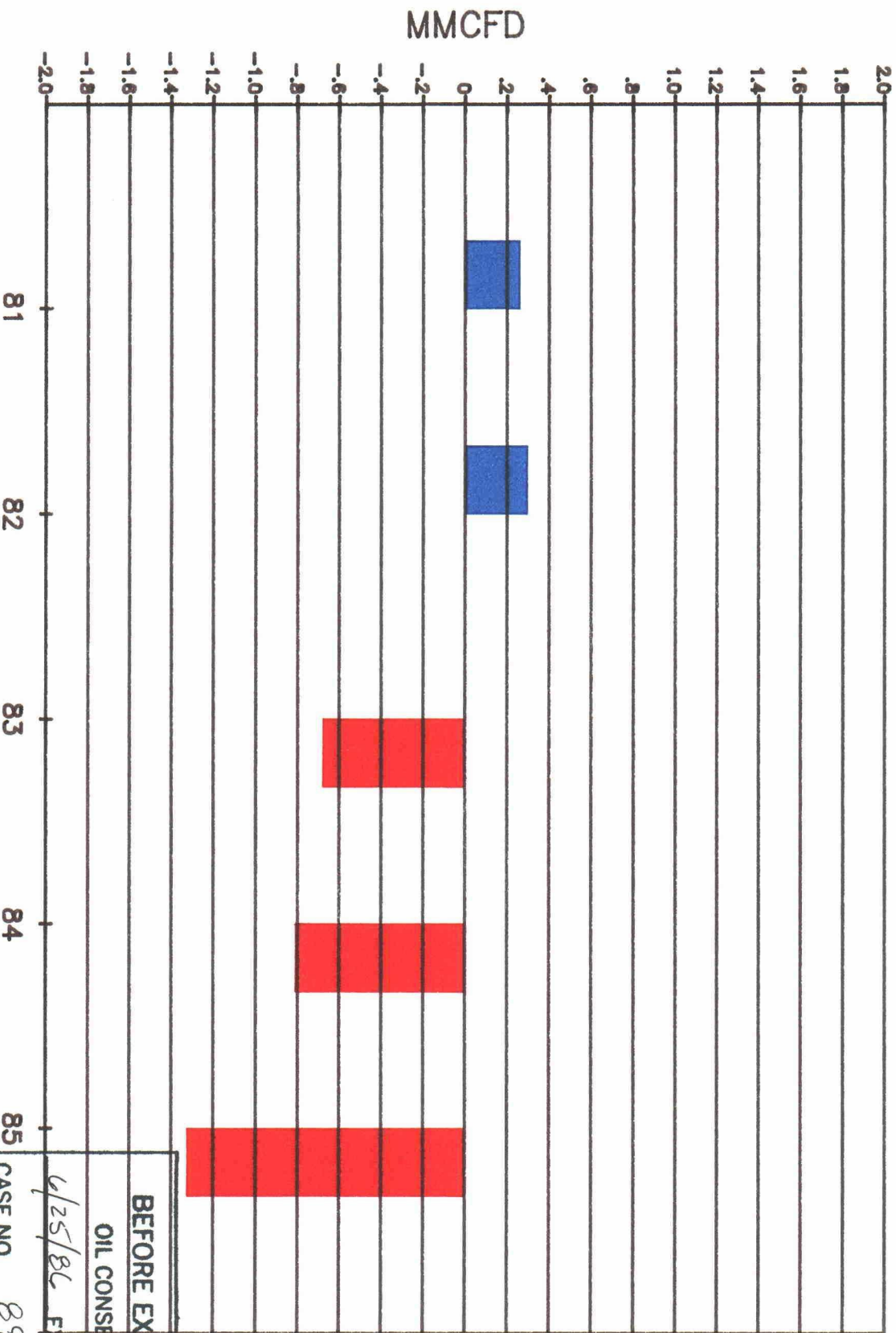
- x AMOCO-GCNM
- o SURROUND. WELLS-MAR.

BEFORE EXAMINER STOGNER
 OIL CONSERVATION DIVISION

6/25/86 EXHIBIT NO. 4

CASE NO. 8922 8923

INDIAN BASIN UPPER PENN (PRORATED) FIELD
 DIFFERENCE BETWEEN AVG. AMOCO GCNM SALES
 VS. SALES OF SURROUNDING NON-MARGINAL WELLS
 TO MARATHON

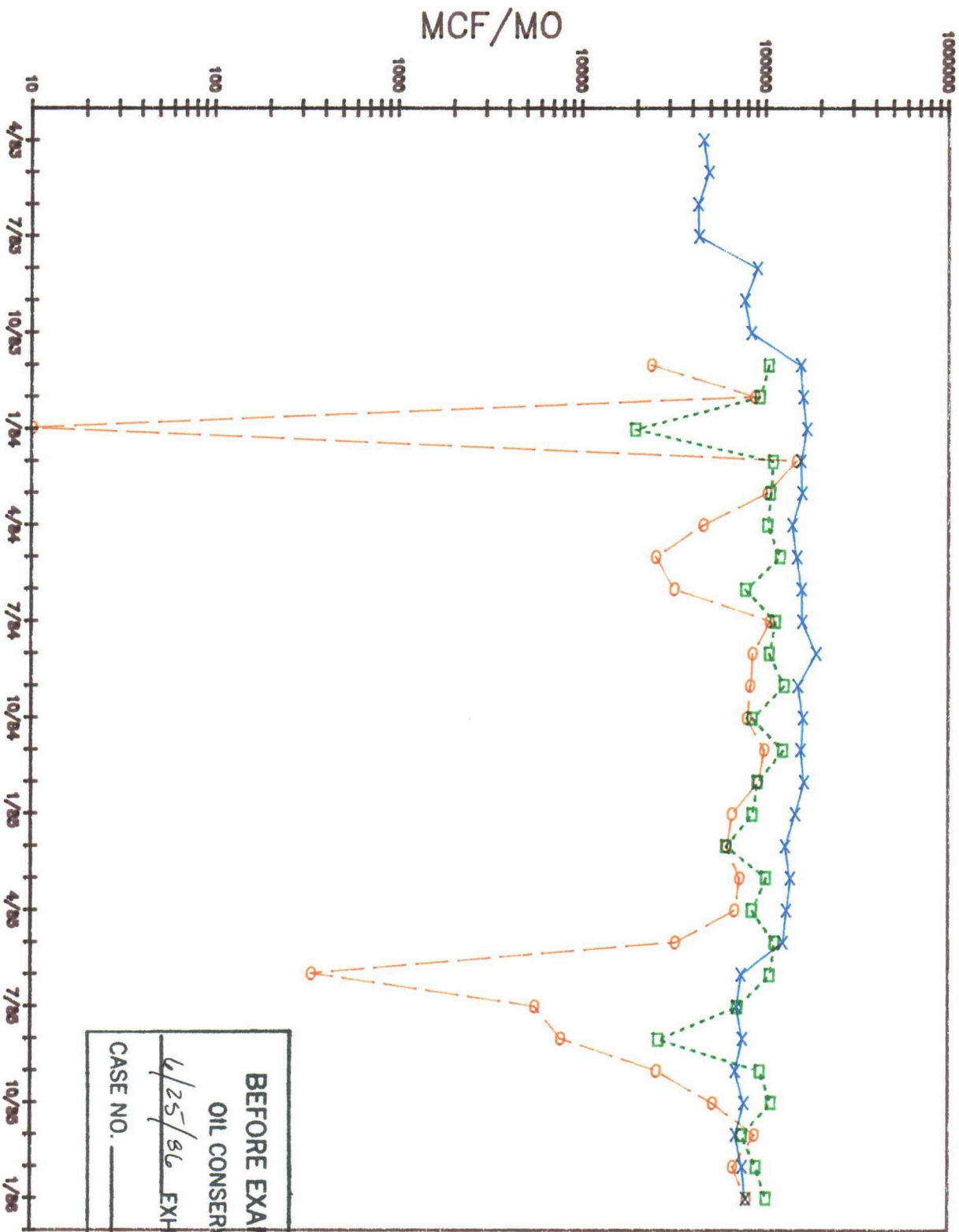


LEGEND

BEFORE EXAMINER STOGNER
 OIL CONSERVATION DIVISION

6/25/86 EXHIBIT NO. 5
 CASE NO. 8922 8923

INDIAN BASIN UPPER PENN (PRORATED) FIELD ALLOWABLES VS. PRODUCTION

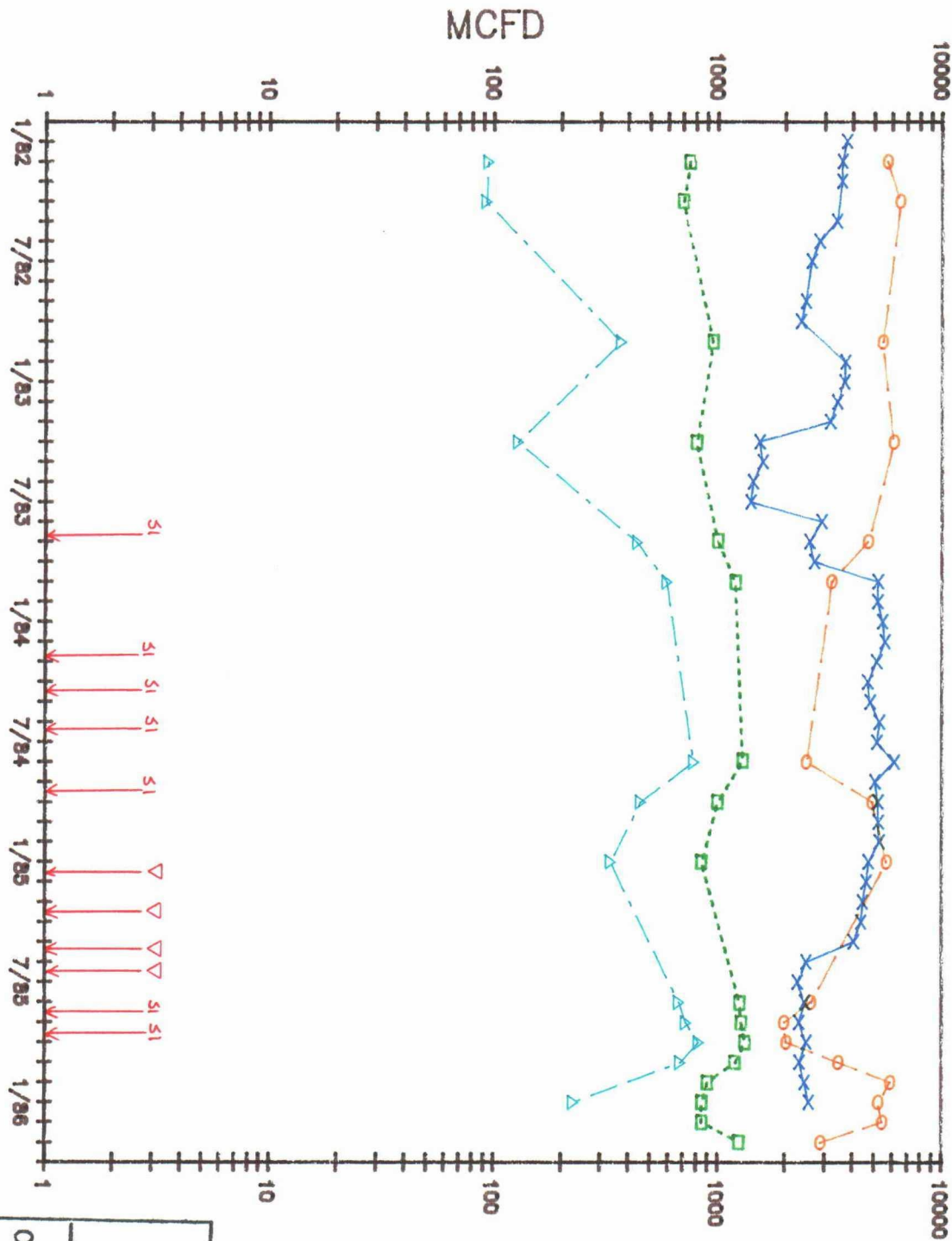


LEGEND

- x ALLOW.
- o SMITH FED.
- S. FED. OC

BEFORE EXAMINER STOGNER
OIL CONSERVATION DIVISION
 6/25/86 EXHIBIT NO. 6
 CASE NO. 8922 8923

INDIAN BASIN UPPER PENN (PRORATED) FIELD
 WELL: SMITH FEDERAL 11-1
 ALLOWABLES VS. WELL TESTS



LEGEND

- x ALLOW.
- o GAS RATE
- square FTP
- triangle PSI

PRESSURE

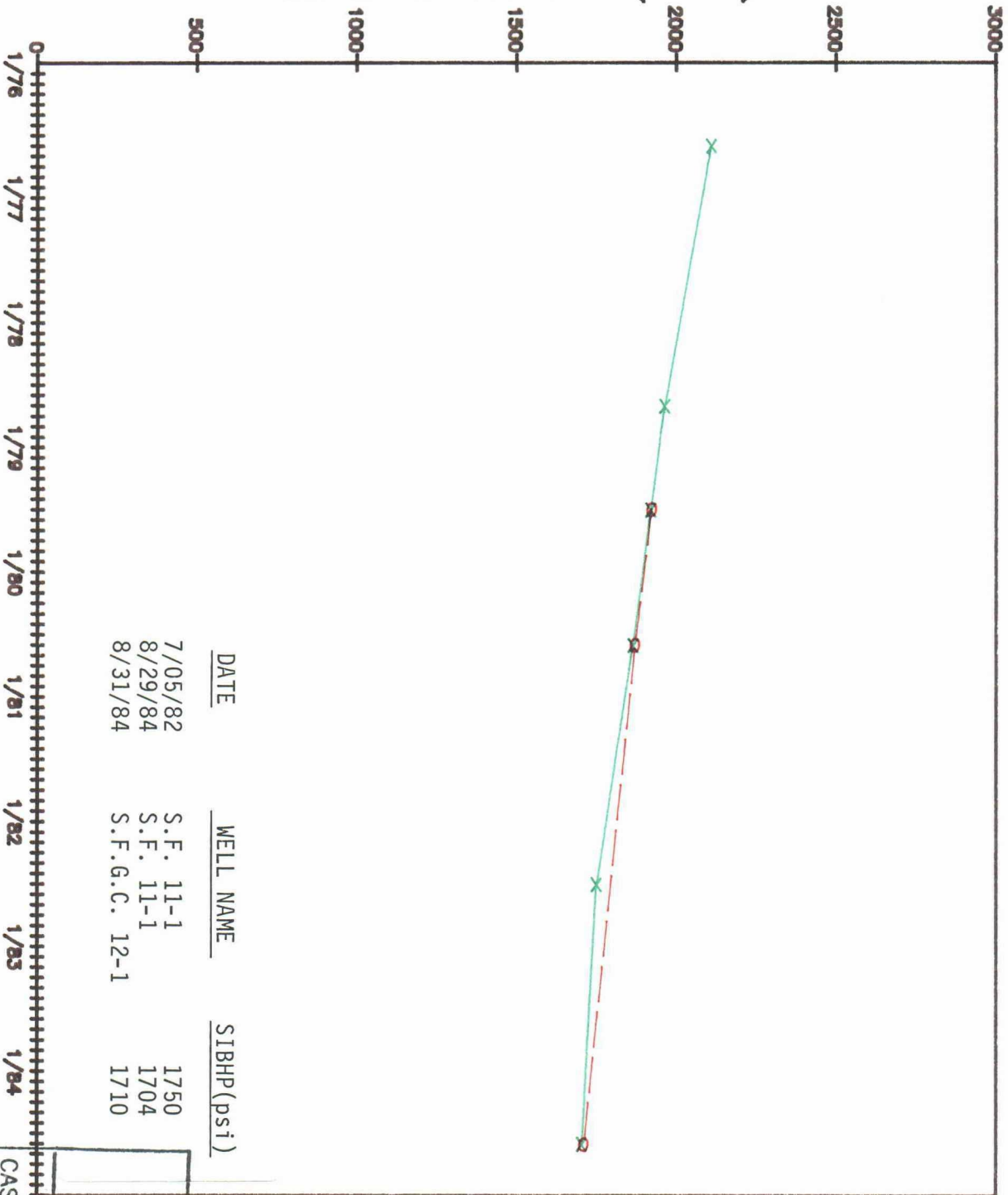
BEFORE EXAMINER STOGNER
 OIL CONSERVATION DIVISION

6/25/86 EXHIBIT NO. 7

CASE NO. 8922 8923

INDIAN BASIN UPPER PENN (PRORATED) FIELD BHP VS. TIME

SIBHP @ MIDPERF (7450)



LEGEND

- x SMITH FED.
- o S. FED. GC

| DATE | WELL NAME | SIBHP (psi) |
|---------|---------------|-------------|
| 7/05/82 | S.F. 11-1 | 1750 |
| 8/29/84 | S.F. 11-1 | 1704 |
| 8/31/84 | S.F.G.C. 12-1 | 1710 |

BEFORE EXAMINER STOGNER
OIL CONSERVATION DIVISION

6/25/86 EXHIBIT NO. 8
CASE NO. 8922 8923

GAS COMPANY OF NEW MEXICO
 COMPARISON OF NOMINATIONS WITH ALLOWABLES
 (ALL VOLUMES ARE IN MCF)
 1984

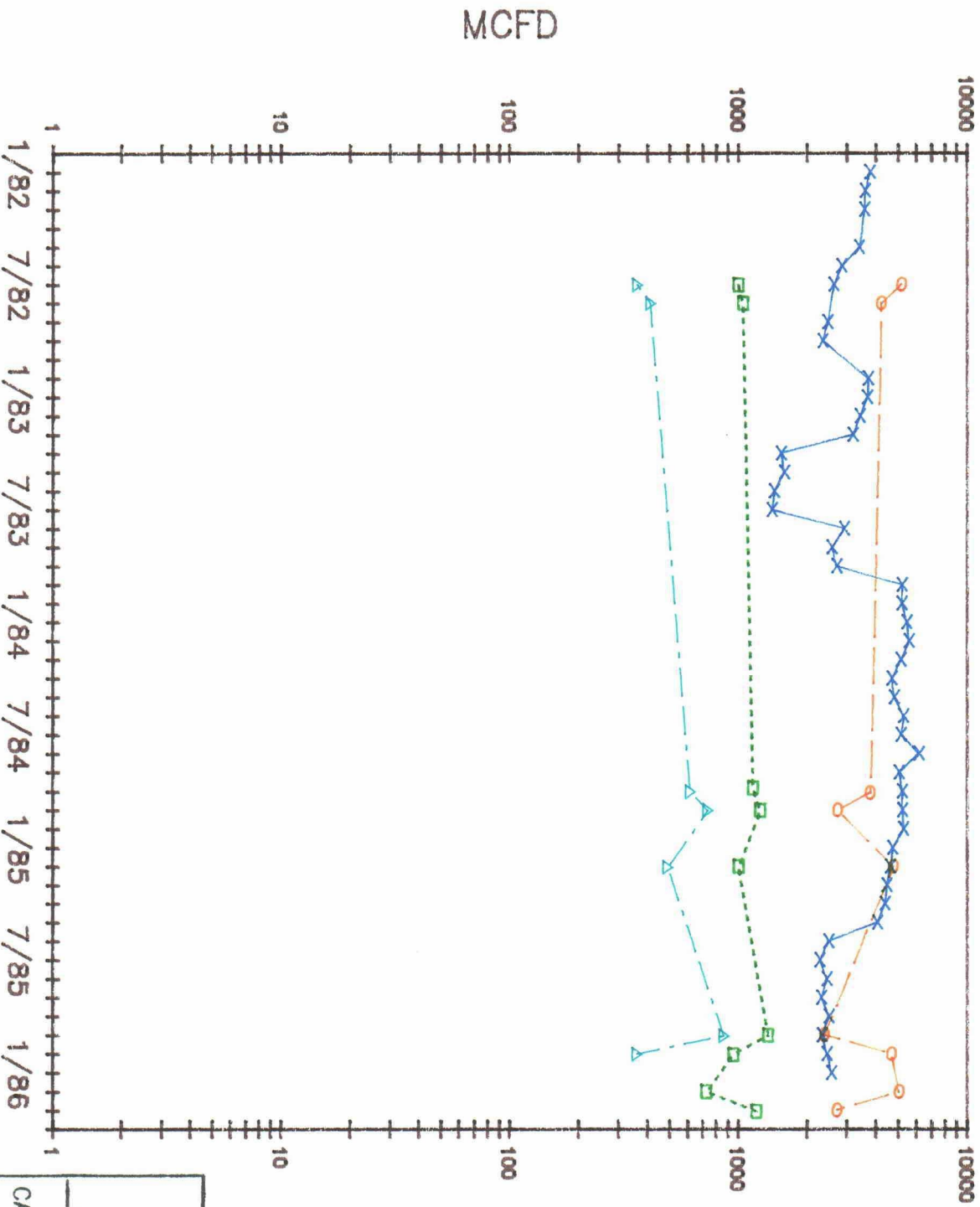
SMITH FEDERAL 11-1

| <u>MONTH</u> | <u>TOTAL NOMINATION</u> | <u>NON-MARGINAL NOMINATION</u> | <u>NON-MARGINAL ALLOWABLE</u> | <u>ACTUAL PRODUCTION</u> | <u>COMMENTS</u> |
|--------------|-----------------------------|------------------------------------|-----------------------------------|------------------------------|-------------------------|
| Jan. | 350,000 | 330,687 | 168,733 | ----- | |
| Feb. | 160,000 | 142,248 | 156,154 | 147,606 | GCNM Req'd shut-in 2/17 |
| Mar. | 100,000 | 100,000 | 158,888 | 102,131 | |
| Apr. | 125,000 | 106,903 | 140,580 | 45,895 | GCNM Req'd shut-in 4/12 |
| May | 150,000 | 133,679 | 148,939 | 25,353 | |
| June | 125,000 | 114,216 | 158,310 | 31,960 | GCNM Req'd shut-in 6/16 |
| July | 100,000 | 100,000 | 159,556 | 105,617 | |
| Aug. | | WELL(S) RECLASSIFIED AS MARGINAL | | | |

RPZ/rr/1

| | |
|----------------------------------|----------------------|
| BEFORE EXAMINER STOGNER | |
| OIL CONSERVATION DIVISION | |
| 6/25/86 | EXHIBIT NO. <u>9</u> |
| CASE NO. <u>8922 8923</u> | |

INDIAN BASIN UPPER PENN (PRORATED) FIELD
 WELL: SMITH FEDERAL GAS COM. 12-1
 ALLOWABLES VS. WELL TESTS

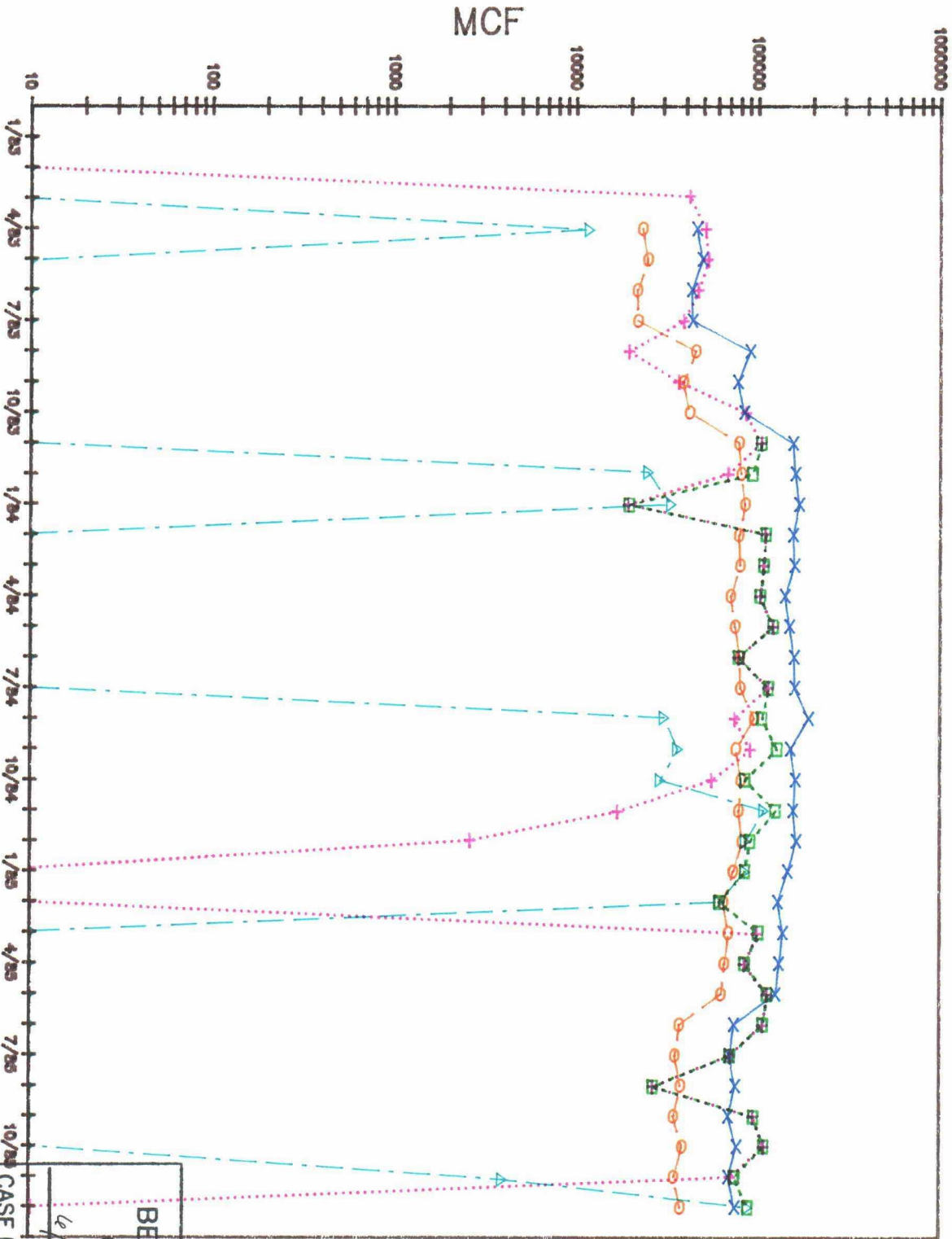


LEGEND

- x ALLOW.
- o GAS RATE
- FTP
- △ PSI

BEFORE EXAMINER STOIGNER
 OIL CONSERVATION DIVISION
 4/25/86 EXHIBIT NO. 11
 CASE NO. 8922 8923

GAS SALES BY YEAR BY PURCHASER SMITH FED GAS COM 12-1



LEGEND

- x ALLOW.
- o ALLOW./2
- PROD.
- △ GCNM
- + MAR

BEFORE EXAMINER STOGNER
OIL CONSERVATION DIVISION

4/25/86 EXHIBIT NO. 12

CASE NO. 8922 8923

GAS SALES BY YEAR, BY PURCHASER

SMITH FED GAS COM 12-1 (MCF)

| | 1985 | | 1984 | | 1983 | |
|---------------------------------|-----------|----------|-----------|----------|-----------|---------|
| | GCNM | MAR | GCNM | MAR | GCNM | MAR |
| January | 84,686 | 0 | 33,046 | 19,483 | 0 | 0 |
| February | 61,204 | 0 | 0 | 109,452 | 0 | 0 |
| March | 0 | 100,761 | 0 | 106,624 | 0 | 42,801 |
| April | 0 | 84,235 | 0 | 102,499 | 11,667 | 51,024 |
| May | 0 | 112,941 | 0 | 120,561 | 0 | 52,591 |
| June | 0 | 106,162 | 0 | 77,721 | 0 | 46,629 |
| July | 0 | 70,016 | 0 | 113,606 | 0 | 38,589 |
| August | 0 | 26,368 | 30,820 | 74,237 | 0 | 19,441 |
| September | 0 | 94,237 | 36,226 | 90,875 | 0 | 36,266 |
| October | 0 | 108,205 | 28,904 | 55,706 | 0 | 85,288 |
| November | 4,021 | 70,795 | 107,777 | 16,851 | 0 | 103,751 |
| December | 89,177 | 0 | 85,147 | 2,594 | 24,880 | 67,770 |
| TOTAL | 239,088 | 773,720 | 321,920 | 890,209 | 36,547 | 544,150 |
| Prorated Non-Marg. Allowable | 591,306 | 591,306 | 957,541 | 957,541 | 527,814 | 527,814 |
| IMBALANCE | (352,218) | +182,414 | (635,621) | (67,332) | (491,267) | +16,336 |

BEFORE EXAMINER STOGNER
OIL CONSERVATION DIVISION

6/25/86 EXHIBIT NO. 13

CASE NO. 8922 8923

INDIAN BASIN UPPER PENN. (PRO GAS)

| DESCRIPTION | STAT | AF | NOV PROD | JAN ALLOC | AGRE-DELIV |
|----------------|------|-------|----------|-----------|------------|
| 1G2421S23E | N | 1.00 | 109738 | 79240 | 640 |
| PIPELINE TOTAL | | 40.17 | 2805896 | 2237408 | 25707 |

JANUARY 1986 SOUTHEAST GAS PRODUCTION SCHEDULE PAGE 30

| DESCRIPTION | STAT | AF | NOV PROD | EPG NOV D/W | JAN ALLOC | AGRE-DELIV |
|---------------------|------|------|----------|-------------|-----------|------------|
| B DAVIS | N | .50 | 2643 | 9304 | 6766 | 80 |
| WUTHIE ANDREWS MN | | | 3039 | | 3039 | 320 |
| P. U. SUMMARY | M | 2.00 | 3039 | 18961 | 13532 | 160 |
| M. B. GUTHRIE | M | 1.00 | 523 | 2451- | 523 | 160 |
| HALFMAN | M | 1.00 | 11666 | 13532 | 13532 | 160 |
| O. D. KATZ | M | 1.00 | 3027 | | | |
| WILLIAM H. HARRISON | N | 1.00 | 7369 | | | |
| P. U. SUMMARY | M | 2.00 | 2039 | | | |
| WILLIAM H. HARRISON | N | 1.00 | 14492 | | | |
| P. U. SUMMARY | M | 1.00 | 7191 | | | |
| JALMAL TANSILL | N | 1.00 | 6123 | | 4123 | 240 |
| P. U. SUMMARY | M | 1.00 | 588 | | | |
| P. U. SUMMARY | M | 1.00 | 4247 | | 7526 | 240 |
| JONES RODMAN-CLAY | M | 1.50 | 7524 | | 543 | 160 |
| CURRAN JONES | M | 1.00 | 543 | | 4244 | 320 |
| RODMAN JONES | N | 1.00 | 2087 | | 13532 | 160 |
| P. U. SUMMARY | M | 2.00 | 4244 | | 727 | 100 |
| KING GAS | M | 1.00 | 7686 | | 4752 | 160 |
| T. M. LANNARD | M | 1.00 | 727 | | 4752 | 160 |
| W. T. LANNARD | M | 1.00 | 4752 | | 11012 | 320 |
| P. U. SUMMARY | M | 2.60 | 490 | | | |
| W. T. LANNARD | M | 1.00 | 10522 | | | |
| W. T. LANNARD | M | 1.00 | 11012 | | | |
| W. T. LANNARD | M | 1.00 | 3067 | | | |
| W. T. LANNARD | M | 1.00 | 7195 | | | |
| W. T. LANNARD | M | 1.00 | 4794 | | | |
| W. T. LANNARD | M | 1.00 | 2938 | | | |
| W. T. LANNARD | M | 1.00 | 17994 | | | |
| W. T. LANNARD | M | 1.00 | 345 | | | |
| W. T. LANNARD | M | 1.00 | 8248 | | | |
| W. T. LANNARD | M | 1.00 | 10873 | | | |
| W. T. LANNARD | M | 1.00 | 6085 | | | |
| W. T. LANNARD | M | 1.00 | 4721 | | | |
| W. T. LANNARD | M | 1.00 | 11012 | | | |
| W. T. LANNARD | M | 1.00 | 4123 | | | |
| W. T. LANNARD | M | 1.00 | 1328 | | | |
| W. T. LANNARD | M | 1.00 | 1373 | | | |
| W. T. LANNARD | M | 1.00 | 1911 | | | |
| W. T. LANNARD | M | 1.00 | 565 | | | |
| W. T. LANNARD | M | 1.00 | 2179 | | | |
| W. T. LANNARD | M | 1.00 | 5943 | | | |
| W. T. LANNARD | M | 1.00 | 3487 | | | |
| W. T. LANNARD | M | 1.00 | 2243 | | | |
| W. T. LANNARD | M | 1.00 | 2058 | | | |
| W. T. LANNARD | M | 1.00 | 4433 | | | |
| W. T. LANNARD | M | 2.00 | 356 | | | |
| W. T. LANNARD | M | 1.00 | 5389 | | | |
| W. T. LANNARD | M | 1.00 | 7024 | | | |
| W. T. LANNARD | M | 1.00 | 22051 | | | |

AMERICA HEISS CORPORATION

| DESCRIPTION | STAT | AF | NOV PROD | JAN ALLOC | AGRE-DELIV |
|---------------------------|------|------|----------|-----------|------------|
| AMERICA HEISS CORPORATION | N | 2.00 | 6903 | 6903 | 320 |

AMERICA HEISS CORPORATION

| DESCRIPTION | STAT | AF | NOV PROD | JAN ALLOC | AGRE-DELIV |
|---------------------------|------|------|----------|-----------|------------|
| AMERICA HEISS CORPORATION | N | 2.00 | 6903 | 6903 | 320 |

ALPHA TWENTY-ONE PRODUCTION CO.

| DESCRIPTION | STAT | AF | NOV PROD | JAN ALLOC | AGRE-DELIV |
|---------------------------------|------|-----|----------|-----------|------------|
| ALPHA TWENTY-ONE PRODUCTION CO. | N | .50 | 1336 | 6766 | 80 |
| EL PASO NATURAL GAS COMPANY | M | .75 | 1138 | 1138 | 120 |
| EL PASO NATURAL GAS COMPANY | M | .75 | 1858 | 1858 | 120 |
| EL PASO NATURAL GAS COMPANY | N | .50 | 1495 | 6766 | 80 |

ALPHA TWENTY-ONE PRODUCTION CO.

| DESCRIPTION | STAT | AF | NOV PROD | JAN ALLOC | AGRE-DELIV |
|---------------------------------|------|-----|----------|-----------|------------|
| ALPHA TWENTY-ONE PRODUCTION CO. | N | .50 | 1336 | 6766 | 80 |
| EL PASO NATURAL GAS COMPANY | M | .75 | 1138 | 1138 | 120 |
| EL PASO NATURAL GAS COMPANY | M | .75 | 1858 | 1858 | 120 |
| EL PASO NATURAL GAS COMPANY | N | .50 | 1495 | 6766 | 80 |

ANCHUT PRODUCTION CO.

| DESCRIPTION | STAT | AF | NOV PROD | JAN ALLOC | AGRE-DELIV |
|-----------------------|------|------|----------|-----------|------------|
| ANCHUT PRODUCTION CO. | N | 1.00 | 3647 | 3647 | 160 |

ANCHUT PRODUCTION CO.

| DESCRIPTION | STAT | AF | NOV PROD | JAN ALLOC | AGRE-DELIV |
|-----------------------|------|------|----------|-----------|------------|
| ANCHUT PRODUCTION CO. | N | 1.00 | 3647 | 3647 | 160 |

ANDREWS AND K. ANTHELL

| DESCRIPTION | STAT | AF | NOV PROD | JAN ALLOC | AGRE-DELIV |
|------------------------|------|------|----------|-----------|------------|
| ANDREWS AND K. ANTHELL | M | 1.00 | 192 | 192 | 160 |
| ANDREWS AND K. ANTHELL | M | .50 | 4015 | 6766 | 80 |

ANDREWS AND K. ANTHELL

| DESCRIPTION | STAT | AF | NOV PROD | JAN ALLOC | AGRE-DELIV |
|------------------------|------|------|----------|-----------|------------|
| ANDREWS AND K. ANTHELL | M | 1.00 | 192 | 192 | 160 |
| ANDREWS AND K. ANTHELL | M | .50 | 4015 | 6766 | 80 |

ARCO OIL & GAS COMPANY

| DESCRIPTION | STAT | AF | NOV PROD | JAN ALLOC | AGRE-DELIV |
|------------------------|------|------|----------|-----------|------------|
| ARCO OIL & GAS COMPANY | N | 1.00 | 440 | 440 | 160 |

ARCO OIL & GAS COMPANY

| DESCRIPTION | STAT | AF | NOV PROD | JAN ALLOC | AGRE-DELIV |
|------------------------|------|------|----------|-----------|------------|
| ARCO OIL & GAS COMPANY | N | 1.00 | 440 | 440 | 160 |

BEFORE EXAMINER STOGNER

| DESCRIPTION | STAT | AF | NOV PROD | JAN ALLOC | AGRE-DELIV |
|-------------------------|------|------|----------|-----------|------------|
| BEFORE EXAMINER STOGNER | N | 1.00 | 1690 | 1690 | 160 |
| BEFORE EXAMINER STOGNER | N | 1.00 | 1690 | 1690 | 160 |

BEFORE EXAMINER STOGNER

| DESCRIPTION | STAT | AF | NOV PROD | JAN ALLOC | AGRE-DELIV |
|-------------------------|------|------|----------|-----------|------------|
| BEFORE EXAMINER STOGNER | N | 1.00 | 1690 | 1690 | 160 |
| BEFORE EXAMINER STOGNER | N | 1.00 | 1690 | 1690 | 160 |

CASE NO. 8922 8923

CASE NO. 8922 8923

LAND INCORPORATED

| | | | | |
|--|-------|---------|---------|-----|
| TEXACO PRODUCING CO. | ***** | | | |
| 153521523E N 1.00 175000 | ***** | 1401796 | 75000 | 320 |
| IF3621523E N 1.00 1401796 | | | 75000 | 320 |
| PIPELINE TOTAL | | 1401796 | 75000 | 320 |
| INDIAN BASIN MORROW (INCORPORATED GAS) | | | | |
| POOL TOTAL | | | 1401796 | 320 |

DAVID FASKEN

| | | | | |
|-----------------------------|-------|------|------|------|
| DAVID FASKEN UNIT | ***** | | | |
| INDIAN HILLS UNIT 1.00 1611 | ***** | 1611 | 640 | 640 |
| INDIAN HILLS UNIT 1.00 5507 | | | 5507 | 640 |
| SKELLY FEDERAL CO. .50 893 | | | 893 | 320 |
| INDIAN HILLS UNIT 1.00 8011 | | | 8011 | 320 |
| PIPELINE TOTAL | | 8011 | 640 | 1600 |

GAS CO. OF NEW MEXICO

| | | | | |
|-------------------------------------|-------|-------|-------|------|
| FLAG REEFERN OIL CO | ***** | | | |
| MINSTON GAS CO. M 1.00 16921 | ***** | 16921 | 640 | 640 |
| IK3121524E M 1.00 16921 | | | 16921 | 640 |
| PIPELINE TOTAL | | 16921 | 640 | 640 |
| MARATHON OIL COMPANY | ***** | | | |
| KERR-MCGEE CORPORATION | ***** | | | |
| MARATHON OIL COMPANY | ***** | | | |
| INDIAN BASIN B GAS CO. M 1.00 50684 | ***** | 50684 | 640 | 640 |
| IK1421523E N 1.00 85161 | | | 85161 | 640 |
| MONTANA OIL COMPANY | ***** | | | |
| INDIAN BASIN B GAS CO. M 1.00 50684 | ***** | 50684 | 640 | 640 |
| IF3621523E M 1.00 50684 | | | 50684 | 640 |
| PIPELINE TOTAL | | 50684 | 640 | 1920 |

MARATHON AND GAS CO. OF N. M.

| | | | | |
|------------------------------------|-------|------|-------|------|
| PENROCK OIL CORPORATION | ***** | | | |
| INDIAN FEDERAL GAS CO. M 1.00 7072 | ***** | 7072 | 640 | 640 |
| IG1921524E N 1.00 7072 | | | 7072 | 640 |
| PIPELINE TOTAL | | 7072 | 640 | 640 |
| POOL TOTAL | | | 82688 | 4800 |
| INDIAN BASIN UPPER PENN. (PRO GAS) | ***** | | | |
| GAS CO. OF NEW MEXICO | ***** | | | |

AMCO FEDERAL GAS CO.

| | | | | |
|--|-------|-------------|--------|--------|
| AMCO FEDERAL GAS CO. M 1.00 17502 | ***** | 17502 | 640 | 640 |
| IF1122523E N 1.00 89170 | | | 89170 | 640 |
| SMITH FEDERAL | ***** | | | |
| IF1122523E N 1.00 89170 | ***** | 404824 | 66586 | 640 |
| WEST INDIAN BASIN UNIT GAS CO. M 1.00 101608 | | | 101608 | 640 |
| IG2021523E M 1.00 101608 | | | 101608 | 640 |
| PIPELINE TOTAL | | 3.00 208340 | 169063 | 640 |
| ***** | | | 233761 | 190674 |
| ***** | | | 190674 | 1920 |

MARATHON OIL COMPANY

| | | | | |
|-------------------------------------|-------|--------|--------|-----|
| AMCO FEDERAL GAS CO. M 1.00 125806 | ***** | 125806 | 640 | 640 |
| IF2221523E N 1.00 125806 | | | 125806 | 640 |
| LOWE STATE GAS CO. M 1.00 77963 | | | 77963 | 640 |
| IF3621523E M 1.00 77963 | | | 77963 | 640 |
| SUN EXPLORATION & PRODUCTION CO. | ***** | | | |
| BRIGHT FEDERAL GAS CO. M 1.00 77963 | ***** | 77963 | 640 | 640 |
| IG21523E M 1.00 77963 | | | 77963 | 640 |
| TEXACO INCORPORATED | ***** | | | |
| STATE GAS CO. M 1.00 104425 | ***** | 104425 | 640 | 640 |
| IF2221523E M 1.00 104425 | | | 104425 | 640 |
| TXO PRODUCTION CORPORATION | ***** | | | |
| INDIAN BASIN UPPER PENN. (PRO GAS) | ***** | | | |

BEFORE EXAMINER STOGNER
OIL CONSERVATION DIVISION

4/25/86 EXHIBIT NO. 15

CASE NO. 892-129149-8925

Indian Basin (Upper Penn)
Smith Federal 11-1

| Date | Production MCF/MO | Allowable MCF/MO | Difference | Proration Status |
|-------|----------------------|---------------------|------------|---------------------|
| 11/83 | 23877 | 155864 | -131987 | -2520 |
| 12/83 | 87123 | 160707 | -73584 | -76104 |
| 1/84 | 0 | 168733 | -168733 | -244837 |
| 2/84 | 147606 | 156154 | -8548 | -253385 |
| 3/84 | 102131 | 158888 | -56757 | -310142 |
| 4/84 | 45895 | 140580 | -94685 | -404827 |
| 5/84 | 25353 | 148939 | -123586 | -528413 |
| 6/84 | 31960 | 158310 | -126350 | -654763 |
| 7/84 | 105617 | 159556 | -53939 | -708702 |
| 8/84 | 85290 | 190771 | -105481 | -814183 |
| 9/84 | 82805 | 151250 | -68445 | -882628 |
| 10/84 | 79366 | 161533 | -82167 | -964795 |
| 11/84 | 99000 | 156698 | -57698 | -1022493 |
| 12/84 | 91260 | 163670 | -72410 | -1094903 |
| 1/85 | 66122 | 146327 | -80205 | -1175108 |
| 2/85 | 61576 | 129080 | -67504 | -1242612 |
| 3/85 | 72612 | 137993 | -65381 | -1307993 |
| 4/85 | 68166 | 131111 | -62945 | -1370938 |
| 5/85 | 32594 | 125704 | -93110 | -1464048 |
| 6/85 | 336 | 74425 | -74089 | -1538137 |
| 7/85 | 5572 | 70377 | -64805 | -1602942 |
| 8/85 | 7760 | 75788 | -68028 | -1670970 |
| 9/85 | 25842 | 69222 | -43380 | -1714350 |
| 10/85 | 51962 | 77330 | -25368 | -1739718 |
| 11/85 | 88013 | 69522 | 18491 | -1721227 |
| 12/85 | 67068 | 75733 | -8665 | -1729892 |
| 1/86 | 79547 | 79240 | 307 | -1729585 |
| 2/86 | 89170 | 72402 | 16768 | -1712817 |

| | |
|---------------------------|----------------|
| BEFORE EXAMINER STOGNER | |
| OIL CONSERVATION DIVISION | |
| 6/25/84 | EXHIBIT NO. 16 |
| CASE NO. 8922 8923 | |

Indian Basin (Upper Penn)
Smith Federal Gas Com 12-1

| Date | Production MCF/MO | Allowable MCF/MO | Difference | Proration Status |
|-------|----------------------|---------------------|------------|---------------------|
| 11/83 | 103751 | 155864 | -52113 | 302489 |
| 12/83 | 92650 | 160707 | -68057 | 234432 |
| 1/84 | 19483 | 168733 | -149250 | 85182 |
| 2/84 | 109452 | 156154 | -46702 | 38480 |
| 3/84 | 106624 | 158888 | -52264 | -13784 |
| 4/84 | 102499 | 140580 | -38081 | -51865 |
| 5/84 | 120561 | 148939 | -28378 | -80243 |
| 6/84 | 77721 | 158310 | -80589 | -160832 |
| 7/84 | 113606 | 159556 | -45950 | -206782 |
| 8/84 | 105058 | 190771 | -85713 | -292495 |
| 9/84 | 127101 | 151250 | -24149 | -316644 |
| 10/84 | 84610 | 161533 | -76923 | -393567 |
| 11/84 | 124628 | 156698 | -32070 | -425637 |
| 12/84 | 90335 | 163670 | -73335 | -498972 |
| 1/85 | 84686 | 146327 | -61641 | -560613 |
| 2/85 | 61205 | 129080 | -67875 | -628488 |
| 3/85 | 100761 | 137993 | -37232 | -665720 |
| 4/85 | 84235 | 131111 | -46876 | -712596 |
| 5/85 | 112941 | 125704 | -12763 | -725359 |
| 6/85 | 106162 | 74425 | 31737 | -693622 |
| 7/85 | 70016 | 70377 | -361 | -693983 |
| 8/85 | 26368 | 75788 | -49420 | -743403 |
| 9/85 | 94237 | 69222 | 25015 | -718388 |
| 10/85 | 108205 | 77330 | 30875 | -687513 |
| 11/85 | 74816 | 69522 | 5294 | -682219 |
| 12/85 | 89179 | 75733 | 13446 | -668773 |
| 1/86 | 102006 | 79240 | 22766 | -646007 |
| 2/86 | 117310 | 72402 | 44908 | -601099 |

| | |
|---------------------------|----------------|
| BEFORE EXAMINER STOGNER | |
| OIL CONSERVATION DIVISION | |
| 6/25/86 | EXHIBIT NO. 17 |
| CASE NO. 8922 8923 | |

INDIAN BASIN (UPPER PENN)
UNDERPRODUCED VOLUMES BY PRORATION PERIOD

640 ACRE NON-MARGINAL WELL ALLOWABLE
MINUS ACTUAL WELL PRODUCTION

| <u>PRORATION PERIOD</u> | <u>SMITH FEDERAL 11-1</u> | <u>SMITH FED. GAS COM. 12-1</u> |
|-------------------------|---------------------------|---------------------------------|
| 1983-1984 | 310,142 MCF | 13,784 MCF |
| 1984-1985 | 997,851 MCF | 651,936 MCF |
| TOTAL | 1,307,993 MCF | 665,720 MCF |

RPZ/rr/51

| | |
|---------------------------|----------------|
| BEFORE EXAMINER STOGNER | |
| OIL CONSERVATION DIVISION | |
| 6/25/86 | EXHIBIT NO. 18 |
| CASE NO. 8922 8923 | |

TOTAL
 PADD/ ALLOW APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR HI-MU MAR 100PCT RE-CLASS STATUS F C/U NEW
 ALLOW 16844 16762 12792 24365 11528 11553 3006 11569 19163 19168 29469 13410 18660 29464 16279 M M S 13410
 195354 16839 16762 12792 24365 11528 11553 3006 11569 19163 19168 29469 13410 18660 29464 16279 M M S 13410
 195314 16844 16762 12792 24365 11528 11553 3006 11569 19163 19168 29469 13410 18660 29464 16279 M M S 13410

KERR-MCGEE CORPORATION
 MARTHA CREEK GAS COM
 195354 16839 16762 12792 24365 11528 11553 3006 11569 19163 19168 29469 13410 18660 29464 16279 M M S 13410
 195314 16844 16762 12792 24365 11528 11553 3006 11569 19163 19168 29469 13410 18660 29464 16279 M M S 13410

MARATHON OIL COMPANY
 INDIAN BASIN B GAS COM
 195354 16839 16762 12792 24365 11528 11553 3006 11569 19163 19168 29469 13410 18660 29464 16279 M M S 13410
 195314 16844 16762 12792 24365 11528 11553 3006 11569 19163 19168 29469 13410 18660 29464 16279 M M S 13410

MONSANTO COMPANY
 LOWE STATE GAS COM
 195354 16839 16762 12792 24365 11528 11553 3006 11569 19163 19168 29469 13410 18660 29464 16279 M M S 13410
 195314 16844 16762 12792 24365 11528 11553 3006 11569 19163 19168 29469 13410 18660 29464 16279 M M S 13410

MARATHON AND GAS CO. OF N. M.
 PENROCK OIL CORPORATION
 INDIAN FEDERAL GAS COM
 195354 16839 16762 12792 24365 11528 11553 3006 11569 19163 19168 29469 13410 18660 29464 16279 M M S 13410
 195314 16844 16762 12792 24365 11528 11553 3006 11569 19163 19168 29469 13410 18660 29464 16279 M M S 13410

NATURAL GAS PIPELINE COMPANY OF AMERICA
 CORINE GRACE
 INDIAN HILLS COM
 195354 16839 16762 12792 24365 11528 11553 3006 11569 19163 19168 29469 13410 18660 29464 16279 M M S 13410
 195314 16844 16762 12792 24365 11528 11553 3006 11569 19163 19168 29469 13410 18660 29464 16279 M M S 13410

INDIAN BASIN UPPER PENN. (PRO GAS)
 GAS CO. OF NEW MEXICO
 195354 16839 16762 12792 24365 11528 11553 3006 11569 19163 19168 29469 13410 18660 29464 16279 M M S 13410
 195314 16844 16762 12792 24365 11528 11553 3006 11569 19163 19168 29469 13410 18660 29464 16279 M M S 13410

AMCO PRODUCTION CO
 HOC FEDERAL GAS COM
 195354 16839 16762 12792 24365 11528 11553 3006 11569 19163 19168 29469 13410 18660 29464 16279 M M S 13410
 195314 16844 16762 12792 24365 11528 11553 3006 11569 19163 19168 29469 13410 18660 29464 16279 M M S 13410

SMITH FEDERAL
 195354 16839 16762 12792 24365 11528 11553 3006 11569 19163 19168 29469 13410 18660 29464 16279 M M S 13410
 195314 16844 16762 12792 24365 11528 11553 3006 11569 19163 19168 29469 13410 18660 29464 16279 M M S 13410

MARATHON OIL COMPANY
 AMCO PRODUCTION CO
 FEDERAL A COM
 195354 16839 16762 12792 24365 11528 11553 3006 11569 19163 19168 29469 13410 18660 29464 16279 M M S 13410
 195314 16844 16762 12792 24365 11528 11553 3006 11569 19163 19168 29469 13410 18660 29464 16279 M M S 13410

FEDERAL B COM
 FEDERAL C COM
 195354 16839 16762 12792 24365 11528 11553 3006 11569 19163 19168 29469 13410 18660 29464 16279 M M S 13410
 195314 16844 16762 12792 24365 11528 11553 3006 11569 19163 19168 29469 13410 18660 29464 16279 M M S 13410

FEDERAL D
 195354 16839 16762 12792 24365 11528 11553 3006 11569 19163 19168 29469 13410 18660 29464 16279 M M S 13410
 195314 16844 16762 12792 24365 11528 11553 3006 11569 19163 19168 29469 13410 18660 29464 16279 M M S 13410

FEDERAL E
 195354 16839 16762 12792 24365 11528 11553 3006 11569 19163 19168 29469 13410 18660 29464 16279 M M S 13410
 195314 16844 16762 12792 24365 11528 11553 3006 11569 19163 19168 29469 13410 18660 29464 16279 M M S 13410

FEDERAL F
 195354 16839 16762 12792 24365 11528 11553 3006 11569 19163 19168 29469 13410 18660 29464 16279 M M S 13410
 195314 16844 16762 12792 24365 11528 11553 3006 11569 19163 19168 29469 13410 18660 29464 16279 M M S 13410

FEDERAL G
 195354 16839 16762 12792 24365 11528 11553 3006 11569 19163 19168 29469 13410 18660 29464 16279 M M S 13410
 195314 16844 16762 12792 24365 11528 11553 3006 11569 19163 19168 29469 13410 18660 29464 16279 M M S 13410

FEDERAL H
 195354 16839 16762 12792 24365 11528 11553 3006 11569 19163 19168 29469 13410 18660 29464 16279 M M S 13410
 195314 16844 16762 12792 24365 11528 11553 3006 11569 19163 19168 29469 13410 18660 29464 16279 M M S 13410

FEDERAL I
 195354 16839 16762 12792 24365 11528 11553 3006 11569 19163 19168 29469 13410 18660 29464 16279 M M S 13410
 195314 16844 16762 12792 24365 11528 11553 3006 11569 19163 19168 29469 13410 18660 29464 16279 M M S 13410

RE-CLASS STATUS L CANCEL INTERIM
 O N G CREATE ALLOW

APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR 100PCT HI-MO RE-CLASS AVE

11090 10937 M M Q
 149276 149276

54763
 5895 34402 N M R 654763 25353
 149276 149276

000000*****
 018270*****
 327720

686540
 SITE=280611 OPEN= 310142 O/U= 654763
 123

018270*****
 224440

224640
 SITE= 161218 161218 M M Q
 150572-
 130417 118065 N N P 159556
 149276 149276

224870
 SITE= 134072-
 140061 106894 N N P 164343
 153754 153754

025400*****
 686540

26188 21688 M M Q 23846
 156739 156739

154200*****
 054360

146315-
 139924 130867 N N P 169129
 158232 158232

90418-
 144134 130730 N N P 159556
 149276 149276

195176-
 131110 92572 N N P 159556
 149276 149276

163544-
 123482 84417 N N P 159556
 149276 149276

137698 122391 M M Q 137698
 158232 158232

5521-
 119837 112044 N N P 159556
 149276 149276

054600
 SITE= 394332- O/U= 196673-
 128998 83390 N N P 159556
 149276 149276

054630
 SITE= O/U=

654763
 637104
 12472

| TOTAL PROD ALLOW | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAK | HI-MG 100PCT | RE- CLASS AVE | STATUS U N | GNM |
|--|---------|--------|--------|--------|--------|----------------------------|-------------|--------|--------|-----|-----|-----|-----------------|---------------------|---------------|-----|
| AMUCO PRODUCTION CO FEDERAL GAS LJM SMITH FEDERAL | | | | | | 019270 327720 685540 | | | | | | | | | | |
| IF 11 22S 23E OCUP AF = 1.00 ACRES = 640 SITE = 280611 UPEN O/U = 310142 CURR O/U = 862628 | | | | | | | | | | | | | | | | |
| | 370920 | 458995 | 25353 | 31960 | 105817 | 85290 | | | | | | | 105617 | 62820 | N | |
| | 949406 | 140580 | 148939 | 158310 | 159556 | 190771 | 151250 | 161533 | 156698 | | | | 158234 | 158234 | N | |
| MARATHON OIL COMPANY ***** | | | | | | | | | | | | | | | | |
| | 000350 | | | | | | | | | | | | | | | |
| AMUCO PRODUCTION CO FEDERAL B CDM | | | | | | 018270 224440 | | | | | | | | | | |
| IC 5 22S 24E COUP AF = 1.08 ACRES = 691 | | | | | | | | | | | | | | | | |
| | 1025358 | 151826 | 160854 | 170975 | 172320 | 206033 | 193350 | 174456 | 169233 | | | | 170893 | 170893 | M | |
| FEDERAL C | | | | | | | | | | | | | | | | |
| IF 35 21S 23E OCUP AF = 1.00 ACRES = 640 | | | | | | | | | | | | | | | | |
| | 714428 | 130417 | 104932 | 119748 | 113066 | 142713 | 104452 | | | | | | 142713 | 119071 | N | |
| | 949406 | 140580 | 148939 | 158310 | 159556 | 190771 | 151250 | 161533 | 156698 | | | | 158234 | 158234 | N | |
| FEDERAL D | | | | | | | | | | | | | | | | |
| ID 6 22S 24E COUP AF = 1.03 ACRES = 659 | | | | | | | | | | | | | | | | |
| | 775617 | 120011 | 82322 | 98101 | 151826 | 162676 | 140406 | | | | | | 162676 | 129269 | N | |
| | 977887 | 144797 | 153407 | 163039 | 164343 | 196494 | 159787 | 166379 | 161399 | | | | 162381 | 162981 | N | |
| ARCO OIL & GAS COMPANY ***** | | | | | | | | | | | | | | | | |
| | 025400 | | | | | | | | | | | | | | | |
| SMITH FEDERAL | | | | | | 686540 | | | | | | | | | | |
| IG 1 22S 23E COUP AF = 1.05 ACRES = 672 | | | | | | | | | | | | | | | | |
| | 143865 | 150332 | 23646 | 26188 | 28632 | 25829 | 672 | | | | | | 28632 | 23977 | M | |
| | 996875 | 147808 | 156386 | 166225 | 167534 | 200310 | 158812 | 169610 | 164533 | | | | 166145 | 166145 | M | |
| CHEVRON J.S.A. INC ***** | | | | | | | | | | | | | | | | |
| BOGLE FLATS UNIT | | | | | | 154200 | | | | | | | | | | |
| 2J 4 22S 23E OCUP AF = 1.06 ACRES = 678 | | | | | | | | | | | | | | | | |
| | 796551 | 136817 | 115861 | 139924 | 122694 | 142889 | 138366 | | | | | | 142889 | 132758 | N | |
| | 1006368 | 149014 | 157875 | 167808 | 169129 | 202217 | 160325 | 171225 | 166100 | | | | 167728 | 167728 | N | |
| 3K 9 22S 23E OCUP AF = 1.00 ACRES = 640 | | | | | | | | | | | | | | | | |
| | 785704 | 117487 | 144134 | 130591 | 136473 | 128983 | 128058 | | | | | | 144134 | 130950 | N | |
| | 949406 | 140580 | 148939 | 158310 | 159556 | 190771 | 151250 | 161533 | 156698 | | | | 158234 | 158234 | N | |
| 4F 10 22S 23E OCUP AF = 1.00 ACRES = 640 | | | | | | | | | | | | | | | | |
| | 700947 | 131110 | 76874 | 69734 | 146725 | 146315 | 130189 | | | | | | 146725 | 118824 | N | |
| | 949406 | 140580 | 148939 | 158310 | 159556 | 190771 | 151250 | 161533 | 156098 | | | | 158234 | 158234 | N | |
| 5F 16 22S 23E OCUP AF = 1.00 ACRES = 640 | | | | | | | | | | | | | | | | |
| | 653900 | 125483 | 72214 | 55556 | 143339 | 137312 | 119996 | | | | | | 143339 | 108983 | N | |
| | 949406 | 140580 | 148939 | 158310 | 159556 | 190771 | 151250 | 161533 | 156698 | | | | 158234 | 158234 | N | |
| 8G 5 22S 23E OCUP AF = 1.06 ACRES = 678 | | | | | | | | | | | | | | | | |
| | 771864 | 123034 | 137698 | 106442 | 144850 | 141651 | 118189 | | | | | | 144850 | 128644 | M | |
| | 1006368 | 149014 | 157875 | 167808 | 169129 | 202217 | 160325 | 171225 | 166100 | | | | 167728 | 167728 | M | |
| 9G 17 22S 23E COUP AF = 1.00 ACRES = 640 | | | | | | | | | | | | | | | | |
| | 673995 | 102584 | 113733 | 119837 | 109807 | 115472 | 112582 | | | | | | 119837 | 112332 | N | |
| | 949406 | 140580 | 148939 | 158310 | 159556 | 190771 | 151250 | 161533 | 156698 | | | | 158234 | 158234 | N | |
| BOGLE FLATS UNIT A CUM ***** | | | | | | | | | | | | | | | | |
| | 66 | 8 | 22S | 23E | COUP | AF = 1.00 | ACRES = 640 | | | | | | 394332 | CURR O/U = 111131- | N | |
| | 695203 | 128998 | 64465 | 56707 | 147056 | 142281 | 126698 | | | | | | 147056 | 111034 | N | |
| | 949406 | 140580 | 148939 | 158310 | 159556 | 190771 | 151250 | 161533 | 156698 | | | | 158234 | 158234 | N | |

TOTAL
 PR007
 ALL00M
 APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR HI-MQ CLASS STATUS F S/J NEW
 262200 285140 1162 8366 13518 14870 12629 10136 6037 14257 10121 M M Q 6037
 000000
 266960
 904560

DAVID FASKEN
 SKELLY FEDERAL CO M Q 2129
 GAS CO. OF NEW MEXICO
 FLAG-KEDFERN JIL CO
 WINSTON GAS CO M Q
 IK 31 21S 24E OCPM AF=1.00
 80975 1162 8366 13518 14870 12629 10136 6037 14257 10121 M M Q 6037

MARATHON OIL COMPANY
 KERR-MCGEE CORPORATION
 MARYHA CREEK GAS CO M Q
 IJ 30 21S 24E OCPM AF=1.00
 110829 16806 278+0 23484 5967 4602 7380 8627 6515 9608 12314 M M Q 6515

MARATHON OIL COMPANY
 INDIAN BASIN B GAS CO M Q
 IK 14 21S 23E OCPM AF=1.00
 33472 8444 7517 2508 5008 7385 2715 1895 43634 10157 M M Q 43634

MONSANTO OIL COMPANY
 LOWE STATE GAS CO M Q
 IK 36 21S 23E OCPM AF=1.00
 50785 5337 1609 117 43634 10157 M M Q 43634

MARATHON AND GAS CO. OF N. M.
 PENROC OIL CORPORATION
 INDIAN FEDERAL GAS CO M Q
 IJ 19 21S 24E OCPM AF=1.00
 76686 8316 6205 9376 7422 9789 6648 9044 6877 13009 8520 M M Q 6877

INDIAN BASIN UPPER PENN. (PRO GAS)
 GAS CO. OF NEW MEXICO
 AMOCO PRODUCTION CO
 HOC FEDERAL GAS CO M Q
 IF 13 22S 23E COUP AF=1.00
 49328 80184 40 11090 15771 19840 21478 20452 20665 19123 20665 17400 M M Q 20665
 1431307 146580 148939 158310 159556 190771 151250 161533 156698 163670 146327 159034 159034 20665

SMITH FEDERAL
 IF 11 22S 23E OCPM AF=1.00
 546546 45895 25353 31960 105617 85290 82805 79366 99000 91260 99000 71838 M M Q 99000
 1431307 146580 148939 158310 159556 190771 151250 161533 156698 163670 146327 159034 159034 99000

MARATHON OIL COMPANY
 AMOCO PRODUCTION CO
 FEDERAL B CO M Q
 IC 5 22S 24E COUP AF=1.08
 1545810 151826 160854 170975 172320 206033 163350 174456 169233 176763 158033 171756 171756 M M Q 171756
 FEDERAL C
 IF 35 21S 23E OCPM AF=1.00
 1121558 130417 104032 119748 113066 142713 104452 111055 147528 148547 244204- 65545 148547 135710 M M Q 65545

| DATE | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | HI-MO | CLASS | U/J | NEW |
|------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|-------|
| ALLOW | ALLOW | ALLOW | ALLOW | ALLOW | ALLOW | ALLOW | ALLOW | ALLOW | ALLOW | ALLOW | ALLOW | ALLOW | 100PCT | AVE | CANCEL | ALLOW |
| DAVID FARMER | 3433 | 3433 | 3433 | 3433 | 3433 | 3433 | 3433 | 3433 | 3433 | 3433 | 3433 | 3433 | 1762 | 2609 | M | S |
| SKULLY FEDERAL CO | 3433 | 3433 | 3433 | 3433 | 3433 | 3433 | 3433 | 3433 | 3433 | 3433 | 3433 | 3433 | 1762 | 2609 | M | S |
| GAS CO. OF NEW MEXICO | 3433 | 3433 | 3433 | 3433 | 3433 | 3433 | 3433 | 3433 | 3433 | 3433 | 3433 | 3433 | 1762 | 2609 | M | S |
| FLAG OILFIELD OIL CO | 1167 | 1167 | 1167 | 1167 | 1167 | 1167 | 1167 | 1167 | 1167 | 1167 | 1167 | 1167 | 10151 | 10151 | M | S |
| WINSTON GAS CO | 1167 | 1167 | 1167 | 1167 | 1167 | 1167 | 1167 | 1167 | 1167 | 1167 | 1167 | 1167 | 10151 | 10151 | M | S |
| MARATHON OIL COMPANY | 1167 | 1167 | 1167 | 1167 | 1167 | 1167 | 1167 | 1167 | 1167 | 1167 | 1167 | 1167 | 10151 | 10151 | M | S |
| KERR-MCCOY CORPORATION | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 13805 | 11069 | M | S |
| MARTHA CREEK GAS CO | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 13805 | 11069 | M | S |
| MARATHON OIL COMPANY | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 13805 | 11069 | M | S |
| INDIAN BASIN GAS CO | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 13805 | 11069 | M | S |
| MONSANTO OIL COMPANY | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 13805 | 11069 | M | S |
| LOME OIL GAS CO | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 13805 | 11069 | M | S |
| MARATHON AND GAS CO. DE. N. M. | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 13805 | 11069 | M | S |
| PENROC OIL CORPORATION | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 13805 | 11069 | M | S |
| INDIAN FEDERAL GAS CO | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 13805 | 11069 | M | S |
| INDIAN BASIN UPPER PENN. PROD. GAS | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 13805 | 11069 | M | S |
| GAS CO. OF NEW MEXICO | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 13805 | 11069 | M | S |
| AMOCO PRODUCTION CO | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 13805 | 11069 | M | S |
| HCC FEDERAL GAS CO | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 13805 | 11069 | M | S |
| SMITH FEDERAL | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 13805 | 11069 | M | S |
| MARATHON OIL COMPANY | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 13805 | 11069 | M | S |
| AMJCO PRODUCTION CO | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 13805 | 11069 | M | S |
| FEDERAL J | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 279012 | 13805 | 11069 | M | S |

19359
687709+

TOTAL PRODU 66007
 ALL W APR MAY JUN JUL AUG SEP CCT NOV DEC JAN FEB MAR 100PCT HI-MO RE- CLASS STATUS
 FLAG REDFERN OIL CO 266980 904560
 WINSTON GAS COM

MARATHON OIL COMPANY 000350*****
 KERR-MCCOY CORPORATION 424900*****
 MARTHA CREEK GAS COM 148370
 IF 30 215-24E 00PM AF = 1.00 ACRES = 640
 76470 42563 33907 37202 7659 16143
 37202
 CURR O/U = 65647-
 42563 33235 N M
 37202 37202 PRODUCTION
 ALLOCATION

MARATHON OIL COMPANY 498700*****
 INDIAN BASIN B GAS COM 352200
 IF 14 215-23E 00PM AF = 1.00 ACRES = 640
 37202 7659 16143
 37202
 PRODUCTION
 ALLOCATION

MONSANTO OIL COMPANY 553050*****
 LOWE STATE GAS COM 446150
 IF 36 215 23E 00PM AF = 1.00 ACRES = 640
 37202 7659 16143
 37202
 PRODUCTION
 ALLOCATION

MARATHON AND GAS CO. OF N. M. 000355*****
 PENROC OIL CORPORATION 629600*****
 INDIAN FEDERAL GAS COM 352320
 IF 19-215-24E 00PM AF = 1.00 ACRES = 640
 23968 7900 8067 37202 7659 16143
 37202
 SITE = 279812 OPEN O/U =
 8067 7989 N N 15677
 37202 37202 PRODUCTION
 ALLOCATION

INDIAN BASIN UPPER PENN. (PRO-GAS) 079040
 GAS CO. OF NEW MEXICO 000328*****
 AMCO PRODUCTION CO 018270*****
 HDC FEDERAL GAS COM 327720
 IF 13 225 23E 00UP AF = 1.00 ACRES = 640
 33511 14966 14251 4264
 258022 66586 128803 62633 54374 51464 686540
 SMITH FEDERAL
 SITE = 284711

IF 11 225-22E 00UP AF = 1.00 ACRES = 640
 322010 134622 138151 49227
 258022 66586 128803 62633 54374 51464
 SITE = 280611 OPEN O/U =
 486327 CURR O/U = 528177
 138151 107326 N N 476713
 86007 86007 PRODUCTION
 ALLOCATION

ROBERT N. EMFIELD WEST INDIAN BASIN UNIT GAS COM 255500*****
 352650
 IF 20 215 23E 00UP AF = 1.00 ACRES = 640
 169394 54198 48435 35235
 258022 66586 128803 62633 54374 51464
 SITE = 284611 OPEN O/U =
 75912 CURR O/U = 23992
 84199 56453 N N
 86007 86007 PRODUCTION
 ALLOCATION

MARATHON OIL COMPANY 000350*****
 AMCO PRODUCTION CO 018270*****
 FEDERAL C 224840
 IF 35 215-23E 00UP AF = 1.00 ACRES = 640
 158738 91560 35631 31247
 258022 66586 128803 62633 54374 51464
 OPEN O/U = 312603 CURR O/U = 182065
 91560 52912 N N
 86007 86007 PRODUCTION
 ALLOCATION

A 9 2