

OFFICE EXAMINER CATANACH

OIL CONSERVATION DIVISION

~~Power Co.~~ EXHIBIT NO. 12

CASE NO. 10719

POWER FEDERAL COM No.2
CEDAR LAKE FIELD
NMOCD HEARING
JUNE 17, 1993

PRORATION UNIT VOLUMETRIC RESERVE DETERMINATION

CEDAR LAKE FEDERAL No.35-1
ENRON OIL & GAS
MORROW

| | |
|-------------------------------------------------|--------------------|
| PRORATION UNIT: | 320 ACRES |
| RESERVOIR ACRES: | 280 ACRES |
| PRODUCTION START DATE: | 06/12/92 |
| RECOVERABLE RESERVES: | 6300 MMCF, 258 MBO |
| ESTIMATED CUMULATIVE PRODUCTION AS OF 10/01/93: | 5000 MMCF, 205 MBO |
| REMAINING RECOVERABLE RESERVES AS OF 10/01/93: | 1900 MMCF, 78 MBO |

POWER FEDERAL COM No.2
ANADARKO PETROLEUM CORPORTATION
MORROW

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|------------------------|-------------------|
| PRORATION UNIT: | 320 ACRES |
| RESERVOIR ACRES: | 123 ACRES |
| PRODUCTION START DATE: | 10/01/93 |
| RECOVERABLE RESERVES: | 2200 MMCF, 90 MBO |

COMBINED PRORATION UNITS

| | |
|-------------------------------------------------|--------------------|
| PRORATION UNITS: | 640 ACRES |
| RESERVOIR ACRES: | 403 ACRES |
| RECOVERABLE RESERVES: | 8500 MMCF, 349 MBO |
| ESTIMATED CUMULATIVE PRODUCTION AS OF 10/01/93: | 5000 MMCF, 205 MBO |
| REMAINING RECOVERABLE RESERVES AS OF 10/01/93: | 3500 MMCF, 144 MBO |

BUFFALO EXAMINER CATANACH

OIL CORPORATION DIVISION

Anadarko EXHIBIT NO. 13

CASE NO. 10719

POWER FEDERAL COM. No. 2
CEDAR LAKE FIELD
NMOCD HEARING
JUNE 17, 1993

RESERVOIR ASSUMPTIONS

CEDAR LAKE FEDERAL No.35-1
ENRON OIL & GAS
MORROW

| | |
|----------------------------|------------|
| PRODUCTIVE SAND THICKNESS: | 45 FT |
| RESERVOIR ACRES: | 280 ACRES |
| RESERVOIR VOLUME: | 7858 AC-FT |
| POROSITY: | 9% |
| WATER SATURATION: | 30% |
| INITIAL PRESSURE: | 5100 PSI |
| ABANDONMENT PRESSURE: | 500 PSI |

POWER FEDERAL COM No.2
ANADARKO PETROLEUM CORPORATION
MORROW

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|----------------------------|------------|
| PRODUCTIVE SAND THICKNESS: | 37 FT |
| RESERVOIR ACRES: | 123 ACRES |
| RESERVOIR VOLUME: | 2631 AC-FT |
| POROSITY: | 9% |
| WATER SATURATION: | 30% |

ARNOLD FEDERAL COM No.1
ANADARKO PETROLEUM CORPORATION
MORROW

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|----------------------------|--------------------|
| PRODUCTIVE SAND THICKNESS: | 41 FT |
| RESERVOIR ACRES: | 400 ACRES |
| RESERVOIR VOLUME: | 6682 AC-FT |
| POROSITY: | 11% |
| WATER SATURATION: | 15% |
| INITIAL PRESSURE: | 5100 PSI |
| ABANDONMENT PRESSURE: | 500 PSI |
| CURRENT PRESSURE: | 600 PSI |
| CUMULATIVE PRODUCTION: | 7500 MMCF, 132 MBO |

DEFORE EXAMINER CATANACH

CONSERVATION DIVISION

Anadarko FIELD NO. 1H

CASE NO. 10719

POWER FEDERAL COM No.2
CEDAR LAKE FIELD
NMOCD HEARING
JUNE 17, 1993

RESERVE ALLOCATION BY DECLINE CURVE ANALYSIS

CEDAR LAKE FEDERAL No.35-1
ENRON OIL & GAS
MORROW

| | |
|-------------------------------------------------|----------------------|
| PRODUCTION START DATE: | 06/12/92 |
| INITIAL RATE: | 2 MMCFD, 73 BOPD |
| MAXIMUM RATE: | 17.4 MMCFD, 741 BOPD |
| ESTIMATED RATE @10/01/ 93: | 10.8 MMCFD, 440 BOPD |
| ENDING RATE: | 50 MCFD |
| RECOVERABLE RESERVES: | 6300 MMCF, 258 MBO |
| ESTIMATED CUMULATIVE PRODUCTION AS OF 10/01/93: | 5000 MMCF, 205 MBO |
| REMAINING RECOVERABLE RESERVES AS OF 10/01/93: | 1900 MMCF, 78 MBO |

POWER FEDERAL COM No.2
ANADARKO PETROLEUM CORPORTATION
MORROW

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|-------------------------|---------------------|
| PRODUCTION START DATE: | 10/01/93 |
| INITIAL RATE @10/01/93: | 8.9 MMCFD, 365 BOPD |
| ENDING RATE: | 50 MCFD |
| RECOVERABLE RESERVES: | 1600 MMCF, 65 MBO |

INITIAL RATE IS THE RATIO OF NET PAY FOR THE POWER FEDERAL COM. No.2
AND THE CEDAR LAKE FEDERAL No.35-1 MULTIPLIED BY THE CEDAR LAKE
FEDERAL No.35-1 RATE AS OF 10/01/93.

$$37 \text{ FT}/41 \text{ FT} = 0.82 \text{ THEN } 0.82 * 10.8 \text{ MMCFD} = 8.9 \text{ MMCFD}$$

COMBINED WELLS

| | |
|-------------------------------------------------|----------------------|
| RATE @10/01/93: | 19.7 MMCFD, 810 BOPD |
| ENDING RATE: | 100 MCFD |
| RECOVERABLE RESERVES: | 8500 MMCF, 349 MBO |
| ESTIMATED CUMULATIVE PRODUCTION AS OF 10/01/93: | 5000 MMCF, 205 MBO |
| REMAINING RECOVERABLE RESERVES AS OF 10/01/93: | 3500 MMCF, 144 MBO |

ENRON OIL & GAS CORPORATION

OIL COMPLETION DIVISION

Anadarko FIELD NO. 15

CASE NO. 10719

POWER FEDERAL COM. No.2
CEDAR LAKE FIELD
NMOCD HEARING
JUNE 17, 1993

INITIAL RATE CALCULATIONS

CEDAR LAKE FEDERAL No.35-1
ENRON OIL & GAS
MORROW

| | |
|----------------------------|----------------------|
| PRODUCTIVE SAND THICKNESS: | 45 FT |
| MAXIMUM RATE: | 17.4 MMCFD, 741 BOPD |
| ESTIMATED RATE @10/01/93: | 10.8 MMCFD, 440 BOPD |

POWER FEDERAL COM. No.2
ANADARKO PETROLEUM CORPORATION
MORROW

| | |
|----------------------------|---------------------|
| PRODUCTIVE SAND THICKNESS: | 37 FT |
| THICKNESS RATIO: | 0.82 |
| INITIAL RATE: | 8.9 MMCFD, 365 BOPD |

ARNOLD FEDERAL COM. No.1
ANADARKO PETROLEUM CORPORATION
MORROW

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|----------------------------|------------|
| PRODUCTIVE SAND THICKNESS: | 41 FT |
| THICKNESS RATIO: | 0.91 |
| MAXIMUM RATE: | 16.0 MMCFD |

BEFORE EXAMINER CATANACH

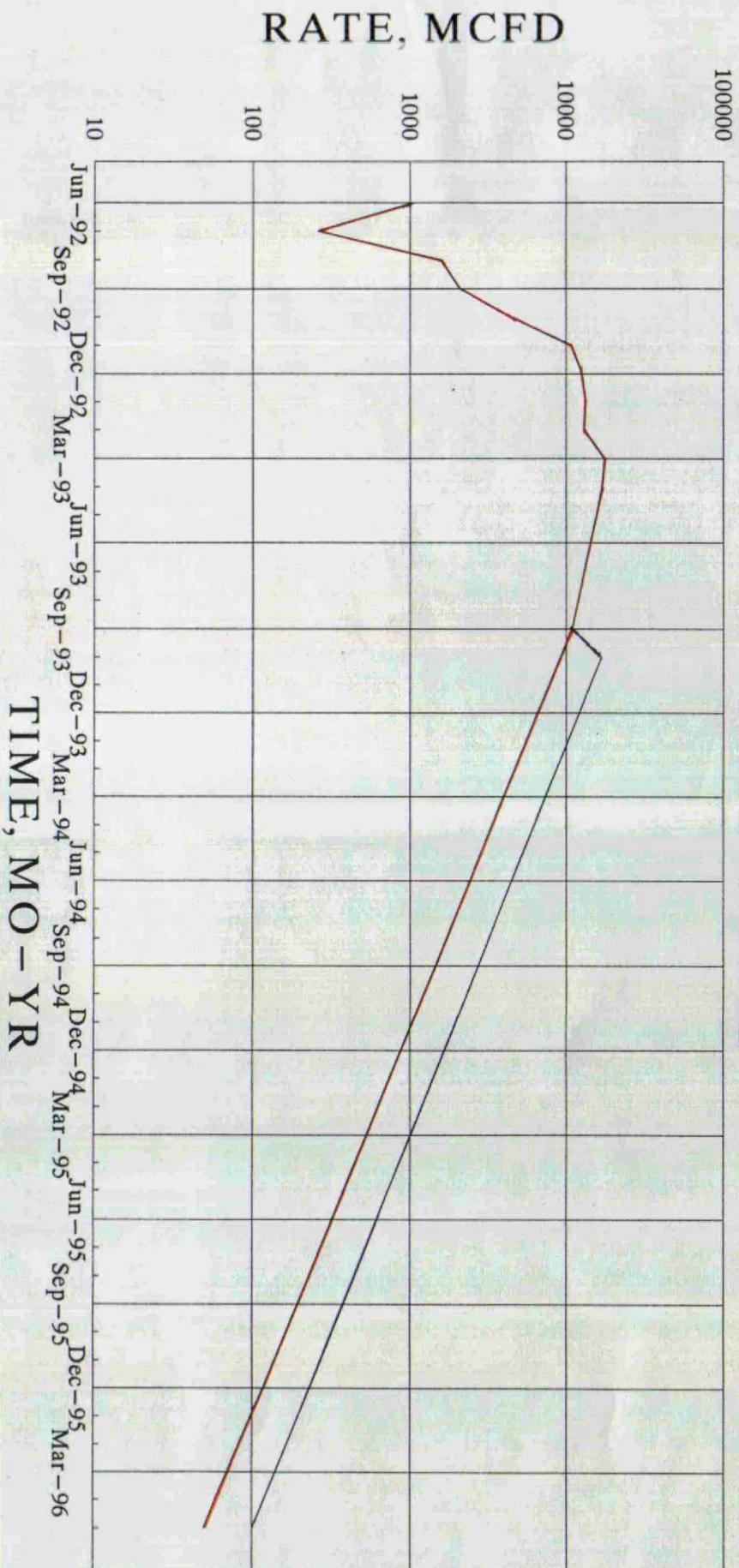
OIL CONSERVATION DIVISION

Cedar Lake EXHIBIT NO. 16

CASE NO. 10719

CEDAR LAKE FIELD

RATE vs. TIME



— TWO WELLS — CEDAR LAKE FED

NO PENALTY