

North Hume 35 No. 1
Sec. 35, T15S, R33E
Lea County, New Mexico

I. Estimated Gross Ultimate Recovery

Cumulative Production to 6-30-89 24,860 BO

Remaining Reserves

= 50 BOPD @ 28%/yr decline to 3 BOPD E.L.

= 54,444 BO

Gross Ultimate Recovery = 79,304 BO

II. Reservoir Data and Estimated Drainage

$\phi = 10.29\%$ $S_w = 32.52\%$ Net Pay = 14' $Bo_i = 1.462$

Estimated Recovery Factor = 20%

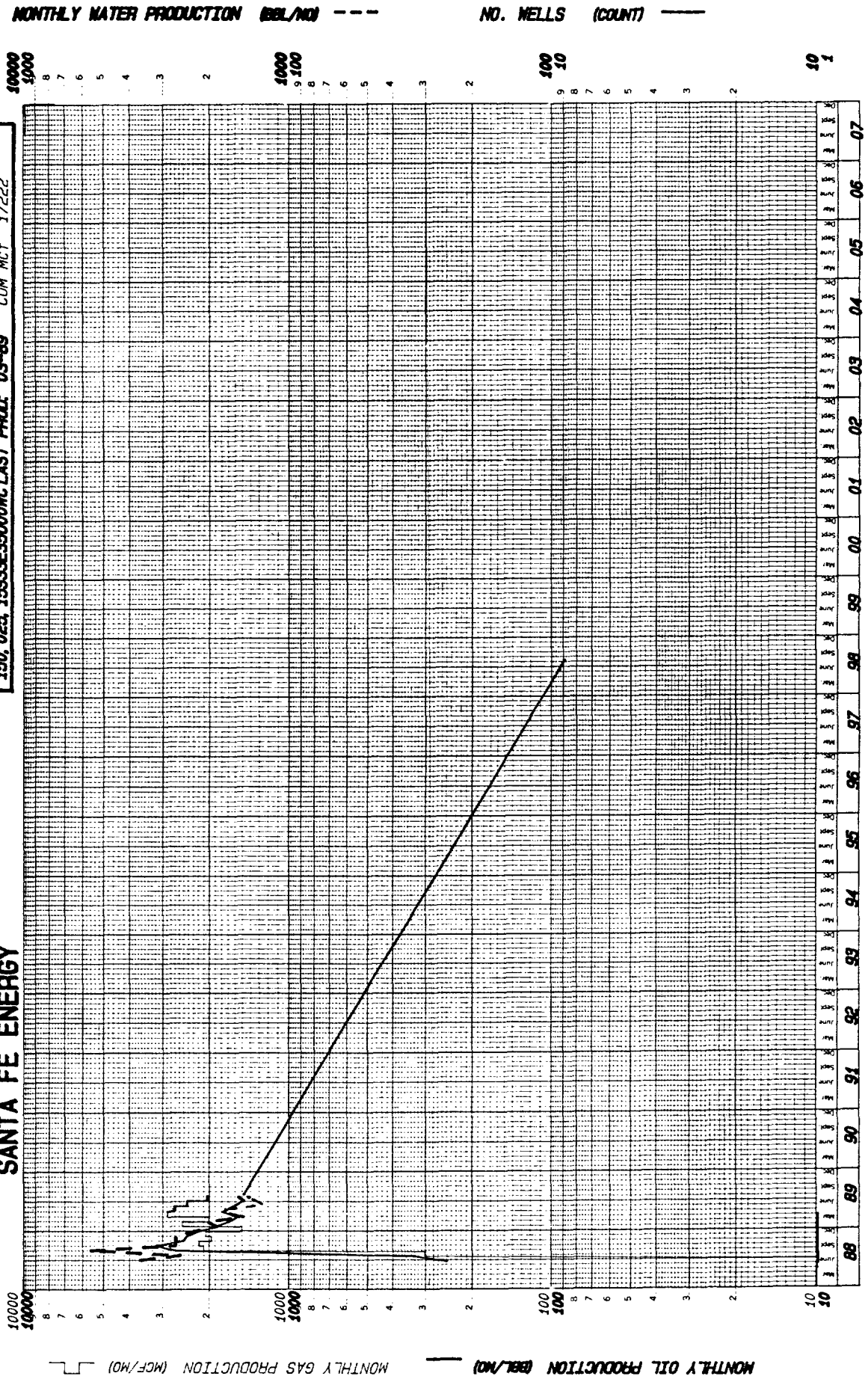
$$\begin{aligned} \text{Drainage (Acres)} &= \frac{\text{GUR} \times Bo_i}{7758 \times \text{Net Pay} \times \phi \times (1-S_w) \times \text{Est Recov } \%} \\ &= \frac{79304 \times 1.462}{7758 \times 14' \times .1029 \times (1-.3252) \times .20} \\ &= 76.9 \text{ Acres} \end{aligned}$$

GBN:sl-1085

| | |
|---------------------------|----------------------|
| BEFORE EXAMINER CATANACH | |
| OIL CONSERVATION DIVISION | |
| <i>Santa Fe</i> | EXHIBIT NO. <u>7</u> |
| CASE NO. | <u>9175+9354</u> |

N. H. 35
HUME WOLFCAMP, NORTH
SANTA FE ENERGY OPER PAR
LEA NM
350 155 39E FIRST PROD: 05-88 CUM B016 20194
150, 025, 15533E35000MC LAST PROD: 03-89 CUM Mcf 17222
000001
MC

SANTA FE ENERGY



MONTHLY WATER PRODUCTION (BBL/MO) - - -

NO. WELLS (COUNT) - - -

MONTHLY GAS PRODUCTION (MCF/MO) - - -

MONTHLY OIL PRODUCTION (BBL/MO) - - -