

Humble Hume 5 State No. 1
Sec. 5, T16S, R34E
Lea County, New Mexico

I. Estimated Gross Ultimate Recovery

Cumulative Production to 6-30-89 118,532 BO

Remaining Reserves

= 168 BOPD @ 55%/yr decline to 3 BOPD E.L.

= 75,422 BO

Gross Ultimate Recovery = 193,954 BO

Underflow

II. Reservoir Data and Estimated Drainage

$\phi = 11.11\%$ $S_w = 17.7\%$ Net Pay = 12' $Bo_i = 1.380$

Estimated Recovery Factor = 20%

$$\begin{aligned} \text{Drainage (Acres)} &= \frac{\text{GUR} \times Bo_i}{7758 \times \text{Net Pay} \times \phi \times (1-S_w) \times \text{Est Recov \%}} \\ &= \frac{193954 \times 1.380}{7758 \times 12' \times .1111 \times (1-.177) \times .20} \\ &= 157.2 \text{ Acres} \end{aligned}$$

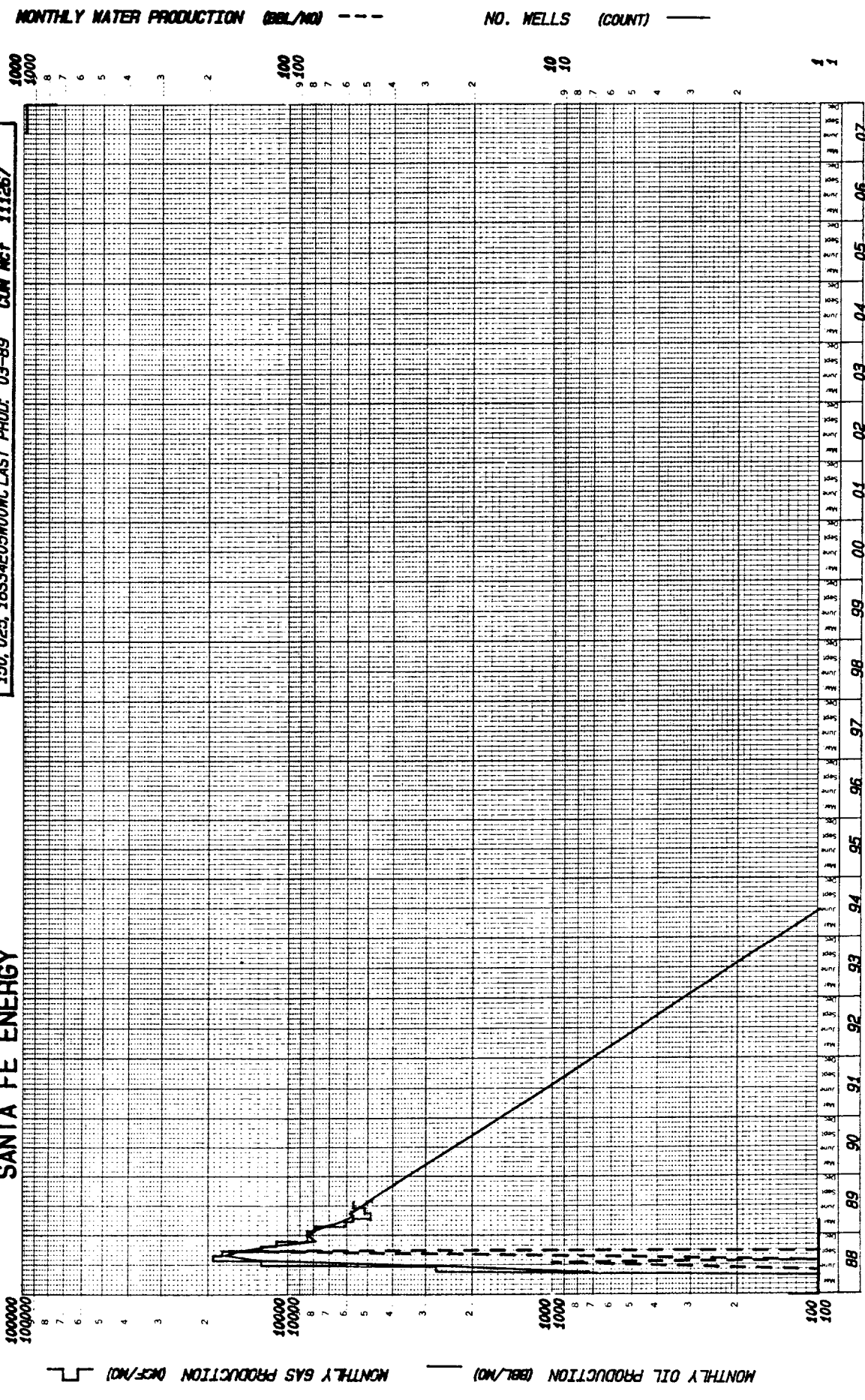
GBN:sl-1085

BEFORE EXAMINER CATANACH	
OIL CONSERVATION DIVISION	
<i>Santa Fe</i>	EXHIBIT NO. <u>6</u>
CASE NO. <u>9175 + 9354</u>	

HUMBLE HUME 5 STATE 000001
 HUME WOLFCAMP, NORTH MC
 SANTA FE ENERGY OPER PAR
 LEA NM

5W 16S 34E FIRST PRD: 04-88 CUM Bbls 102214
 150, 025, 16S34E05N00MC LAST PRD: 03-89 CUM Mcf 111267

SANTA FE ENERGY



MONTHLY OIL PRODUCTION (BBL/MO) ———
 MONTHLY GAS PRODUCTION (MCF/MO) ———
 MONTHLY WATER PRODUCTION (BBL/MO) - - - -

