

Chevron State No. 1
Sec. 36, T15S, R33E
Lea County, New Mexico

I. Estimated Gross Ultimate Recovery

Cumulative Production to 3-31-89 8,884 BO

Remaining Reserves

= 15 BOPD @ 25%/yr decline to 3 BOPD E.L.

= 15,225 BO

Gross Ultimate Recovery = 24,109 BO

II. Reservoir Data and Estimated Drainage

$\phi = 10.49\%$ $S_w = 32.82\%$ Net Pay = 14' $Bo_i = 1.462$

Estimated Recovery Factor = 20%

$$\begin{aligned}\text{Drainage (Acres)} &= \frac{\text{GUR} \times Bo_i}{7758 \times \text{Net Pay} \times \phi \times (1-S_w) \times \text{Est Recov \%}} \\ &= \frac{24109 \times 1.462}{7758 \times 17' \times .1049 \times (1-.3382) \times .20} \\ &= 19.2 \text{ Acres}\end{aligned}$$

GBN:sl-1085

BEFORE EXAMINER CATANACH	
OIL CONSERVATION DIVISION	
<i>Santa Fe</i>	EXHIBIT NO. <u>8</u>
CASE NO. <u>9175+9354</u>	

CHEVRON STATE 000001
 HUME WOLF CAMP, NORTH NC
 V F PETROLEUM INC
 LEA NM
 36M 15S 33E FIRST PROD: 08-87 CUM Bbls 8884
 150, 025, 15S33E36M00NC LAST PROD: 03-89 CUM Mcf 9276

SANTA FE ENERGY

