STATE "CE" #1

I. VOLUMETRICS DATA:

S_g = .79 Gas
S_g = 44.5° API Oil
ϕ = 6.0%
S_w = 6.0%
h = 10'
B_o = 1.35 RB/STB
RF = 29%   (Recovery Factor from Lusk Strawn Field)

II. Decline Curve Data:

(From decline curve projections)

Current Cum Production: 37,682 BO
Proj. Remaining Reserves: 146,649 BO

Ultimate Production: **184,331 BO**

III. Calculation:

$$\text{Recoverable Oil} = \frac{(7758)\ (A)\ (h)\ (\phi)\ (1-S_w)\ (RF)}{B_o}$$

$$184{,}331 = \frac{(7758)\ (10)\ (.06)\ (1-.06)\ (.29)}{1.35}$$

AREA = 196 ACRES