

SPRINKLE FED #1

VOLUMETRIC CALCULATIONS

$$\bar{\phi} = 11.6\%$$

$$H = 30 \text{ ft.}$$

$$\bar{S}_w = 37\%$$

$$B = 1.559$$

$$\text{Recovery Factor} = 15\%$$

$$R = 7758$$

$$\frac{h \bar{\phi} (1 - \bar{S}_w) (R.F.) A}{B_t}$$

Recoverable Oil:

For 40 Acres

$$R =$$

$$\frac{30 (.116) (1 - .37) (.15) (40)}{1.559} (7758)$$

$$R = 65,460 \text{ BO}$$

8755

15

TXC

2-26-86