

VOLUMETRICS
SOUTH CORBIN (WOLFCAMP) FIELD

Southland Royalty Co.'s
Huber "17" Federal #1

IF EUR = 100,000 BO = ROIP

hNet = 28'

Ø ave = 6%

Boi = 1.43 RB/STB

Sw = 40%

Rf = 25%

A =
$$\frac{(100,000)(1.43)}{(7758)(28')(.06)(1-.04)(.25)} = \underline{73 \text{ acres}}$$

hNet = thickness of net pay (feet)

Ø ave = average porosity of net pay from open hole logs

Boi = initial oil formation volume factor (reservoir
barrel/stock tank barrel)

Sw = average water saturation of net pay

Rf = recovery factor (assumed since not sure of drive
mechanism; Solution Gas Drive = \pm 15%, water
Drive = \pm 40%)

ROIP = recoverable oil in place (Barrels)

A = acres of Drainage

BEFORE THE OIL CONSERVATION COMMISSION Santa Fe, New Mexico	
Case No. <u>8802</u>	Exhibit No. <u>4</u>
Submitted by <u>SRC</u>	
Hearing Date <u>4/9/86</u>	