

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%

$$A = \frac{(100,000)(1.43)}{(7758)(28')(0.06)(1-.04)(.25)} = \underline{73 \text{ acres}}$$

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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 = ± 15%, water  
Drive = ± 40%)

ROIP = recoverable oil in place (Barrels)

A = acres of Drainage

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| BEFORE THE<br>OIL CONSERVATION COMMISSION<br>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>  |                      |