

VOLUMETRICS
TWO MOST RECENT COMPLETIONS
SOUTH CORBIN (WOLFCAMP) FIELD

Southland Royalty Co.'s
West Corbin Federal #5

IF EUR = 100,000 BO = ROIP

hNet = 16' *pay*

O ave (of Net) = 2.5% *porosity*

Boi = 1.43 RB/STB

Sw = 32%

Rf = 25% (assumed since not sure of drive mechanism, Solution Gas
Drive = + 15% + Water Drive = + 40%)

ROIP = (7758)(A)(h)(O)(1-Swi)($\frac{1}{Boi}$) (Rf)

A = $\frac{(100,000)(1.43)}{(7758)(16')(.025)(1.32)(.25)}$ = 271 acres

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

IF EUR = 100,000 BO = ROIP

hNet = 28'

O ave = 6%

Boi = 1.43 RB/STB

Sw = 40%

Rf = 25%

A = $\frac{(100,000)(1.43)}{(7758)(28')(.06)(1-.40)(.25)}$ = 73 acres

have an effect on each other

20%

Recovery factor

Area

possible drainage

Estimated ultimate recovery

BEFORE EXAMINER CATANACH

OIL CONSERVATION DIVISION

SRC

EXHIBIT NO. 3

CASE NO. 8802