

NADEL AND GUSSMAN PERMIAN, L.L.C.

TUCKER FEE No. 1Y
RESERVE SUMMARY

Material Balance for dry gas no water drive (P/Z) 239 MMCF OGIP

Assuming $h=6'$, $\phi=.154$, $S_w=.44$, $Z=.7557$, $B_g=186.86(\text{scf/rcf})$

h = pay thickness

ϕ = porosity

S_w = water saturation

B_g = gas formation factor

$$\text{OGIP} = \frac{(h * \phi * A * 43,560 * (1 - S_w))}{(1/186.86)}$$

40 acres 168 MMCF OGIP

60 acres 252 MMCF OGIP

80 acres 336 MMCF OGIP

Solve for 239 MMCF OGIP = 56.75 acres

OIL CONSERVATION DIVISION

CASE NUMBER _____

EXHIBIT 15