

RINCON UNIT NO. 159 M

After a 7 day SI period:

$$\text{Mesaverde BHP} = 603 \text{ psi @ } 5571'$$

$$\text{Dakota BHP} = 646 \text{ psi @ } 7659'$$

$$\text{Gas Gradient} = \frac{(0.01875)(0.66)(1500)}{(0.88)(655)} = 0.03 \text{ psi/ft}$$

Adjusting to a common datum of 5571':

$$\text{Mesaverde BHP} = 603 \text{ psi}$$

$$\text{Dakota BHP} = 646 - [(0.03)(7659 - 5571)] = 583 \text{ psi}$$

Therefore the reservoir pressures fall within the 50% requirement.
