

BENSON AND MONTIN # 5 - GALLEGOS CANYON UNIT

Interval from 1375 to 1420

Average formation resistivity 9 ohm-meter

(from electrical log)

Formation resistivity factor 23.0 (from curve developed from laboratory measurement of average porosity of 17.8%)

Formation water resistivity .10 ohm-meters (from laboratory measurement of chloride content)

Formation water content: 51.349.6%

$$S = \left(\frac{(23.0)(.10)}{9} \right) \cdot 51.349.6\%$$

Interval from 1420 to 1500

Average formation resistivity 3.5 ohm-meter

(from electrical log)

Formation resistivity factor 23.4 (from curve developed from laboratory measurements of average porosity of 17.7%)

Formation water resistivity .10ohm-meters (from laboratory measurement of chloride content)

Formation water content: 51.381%

$$S = \left(\frac{(23.4)(.10)}{3.5} \right) \cdot 51.381\%$$

