

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

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File RFL 79220

Well South Calebra Bluff No. 3

VOLUMETRIC DATA OF No. 1 Subsurface SAMPLE

1. Saturation pressure (bubble-point pressure) 2956 PSIG @ 136 °F.
2. Specific volume at saturation pressure: ft³/lb 0.02514 @ 136 °F.
3. Thermal expansion of saturated oil @ 5000 PSI = $\frac{V @ 136}{V @ 70} \frac{°F}{°F} = \underline{1.04732}$
4. Compressibility of saturated oil @ reservoir temperature: Vol/Vol/PSI:

From 5000 PSI to 4500 PSI = 13.54×10^{-6}

From 4500 PSI to 4000 PSI = 14.83×10^{-6}

From 4000 PSI to 3500 PSI = 16.02×10^{-6}

From 3500 PSI to 2956 PSI = 18.15×10^{-6}