

**CORE LABORATORIES, INC.**  
*Petroleum Reservoir Engineering*  
**DALLAS, TEXAS 75207**

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File RFL 79220  
Well South Calebra Bluff No. 3

Viscosity Data at 136 °F.

| <u>Pressure</u><br><u>PSIG</u> | <u>Oil Viscosity</u><br><u>Centipoise</u> | <u>Calculated</u><br><u>Gas Viscosity</u><br><u>Centipoise</u> | <u>Oil/Gas</u><br><u>Viscosity</u><br><u>Ratio</u> |
|--------------------------------|---|--|--|
| 5000                           | 0.336                                     |  |  |
| 4500                           | 0.327                                     |  |  |
| 4000                           | 0.318                                     |  |  |
| 3500                           | 0.309                                     |  |  |
| 3100                           | 0.302                                     |  |  |
| 2956                           | 0.299                                     |  |  |
| 2700                           | 0.312                                     | 0.0242   | 12.89  |
| 2400                           | 0.332                                     | 0.0215   | 15.44  |
| 2100                           | 0.353                                     | 0.0192   | 18.39  |
| 1800                           | 0.381                                     | 0.0173   | 22.02  |
| 1500                           | 0.416                                     | 0.0156   | 26.67  |
| 1200                           | 0.462                                     | 0.0143   | 32.31  |
| 900                            | 0.517                                     | 0.0133   | 38.87  |
| 600                            | 0.591                                     | 0.0123   | 48.05  |
| 300                            | 0.703                                     | 0.0112   | 62.77  |
| 147                            | 0.893                                     | 0.0104   | 85.87  |
| 0                              | 1.579                                     | 0.0087   | 181.49   |