

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

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 File RFL 79220
 Well South Calebra Bluff No.3

Differential Vaporization at 136 °F.

Pressure PSIG	Solution Gas/Oil Ratio (1)	Relative Oil Volume (2)	Relative Total Volume (3)	Oil Density gm/cc	Deviation Factor Z	Gas Formation Volume Factor (4)	Incremental Gas Gravity
2956	1348	1.709	1.709	0.6375			
2700	1212	1.643	1.759	0.6480	0.760	0.00482	0.825
2400	1074	1.577	1.842	0.6592	0.761	0.00543	0.812
2100	944	1.516	1.968	0.6702	0.772	0.00628	0.802
1800	820	1.461	2.164	0.6809	0.788	0.00748	0.795
1500	698	1.408	2.481	0.6908	0.815	0.00927	0.792
1200	589	1.359	2.975	0.7018	0.843	0.01195	0.793
900	481	1.310	3.836	0.7129	0.869	0.01636	0.810
600	373	1.261	5.624	0.7248	0.898	0.02514	0.849
300	256	1.205	11.237	0.7375	0.943	0.05158	0.956
147	183	1.165	22.679	0.7474	0.975	0.10370	1.110
0	0	1.040		0.7750			1.592
		at 60°F. = 1.000					

Gravity of residual oil = 44.0°API at 60°F.

- (1) Cubic feet of gas at 15.025 psia and 60°F. per barrel of residual oil at 60°F.
- (2) Barrels of oil at indicated pressure and temperature per barrel of residual oil at 60°F.
- (3) Barrels of oil plus liberated gas at indicated pressure and temperature per barrel of residual oil at 60°F.
- (4) Cubic feet of gas at indicated pressure and temperature per cubic foot at 15.025 psia and 60°F.

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