Lea Wolfcamp Pool Volumetric Analysis

Volumetric Equation for a Gas Reservoir

Where

Pi - 3,800 psia (Pressure Buildup)

T - 153 F

Zi - 0.6759 (PVT Analysis)

Bgi - 324.4 SCF/CU FT

PHI - 8.00% (Log Analysis) Sw - 17.50% (Log Analysis) OGIP - 6,381,392 MCF (P/Z Plot)

Rearranging the Equation

Based on geologic mapping, the reservoir contains 6,748 acre-feet, which is 1.4% less than calculated by material balance and volumetrics.

Before the
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Marathon Oil Company
Exhibit No. / Case No. 10796
Hearing Date: October 14, 1993