

P-V-T DATA

Apache Ridge – Bone Spring Pool oil, gas and water analyses:

Reservoir Temperature, deg F	140°
Oil Gravity, degrees API @ 60° F	40°
Initial Reservoir Pressure, psig @ Datum (-5850')	3814 psia ✓
Bubble Point Pressure, Pbp, psig	2500 psi ✓
Formation Volume Factor @ Pbp, RB/STB	1.503 .
Initial Solution GOR, SCF/BO	1110
Oil Viscosity @ Pbp, cp	0.83
Gas Gravity	0.812
Formation Water Gravity	1.091
Formation Water Total Dissolved Solids, ppm	162,000