

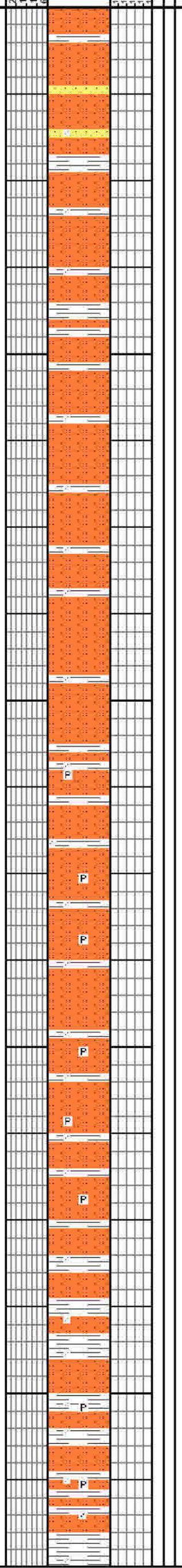
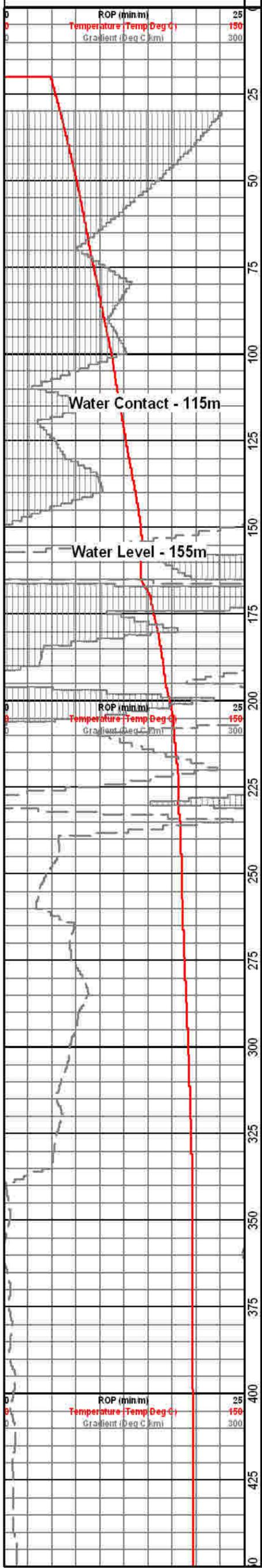
Curve Track 1

ROP (min/m) ———
 Temperature (Temp Deg C) ———
 Gradient (Deg C/km) - - - - -

Depth (m) 0 25 50 75 100 125 150 175 200 225 250 275 300 325 350 375 400 425 0

Porosity Type
 Porosity
 Lithology
 Grain Size
 Sorting
 Rounding
 Oil Shows

Geological Descriptions



Alum Well 1186- 44- 56-29
 Lat 117'45, Long 37'45
 Elevation 5020ft or 1530.9m

0-41m: Siltstones and Sandstones; Esmeralda Fm: Firm to hard, predominately light green and gray siltstones with minor fine sandstones. Intermittent zones of silicification. Minor iron staining along factures and minor pyrite along small tight fractures.

41-111m: Siltstone: Esmeralda Fm: Med to dark gray siltstones and soft shales. Some swelling in clays at 41m. Minor calcite along rare fractures. Rare Pyrite

111-454m: Siltstone: Paleozoic ? section, hard, abrasive dark gray siltstones and shales. Bedding and laminations visable in larger chips. Intermittent, fine grained argillaceous sandstones. Pyrite 5-20%, highest amount in upper portions of section. Large (up to 3cm) pyrite crystals in white mylonite (?) from fault zone from 200m to unknown depth. Significant amounts of 80C water encountered at 200-205m. Formation appears pervasively fractured.