



Case History Pekisko Oil

Zone: Pekisko **Type:** Pumping oil well **Oil:** 1.87m³ **Water:** 2.59m³
Oil:

History: The production from this well was very erratic and it was noted that when production was lower that the well produced a very thick emulsion. The well indicated that it might have inflow problems due to skin damage.

Product: The Petrotreat APO18 Stimulation Solvent combined with the Petrotreat APM43 Mutual Solvent broke the emulsion and provided good wettability. The APO18 Stimulation Solvent is designed to be effective with a broad range of paraffin and asphaltene. The APM43 Mutual Solvent assists with water, wetting the formation, thus increasing permeability.

Treatment: A bullhead soak was performed on this well using 630 litres of Petrotreat APO18 Stimulation Solvent mixed with 320 litres of Petrotreat APM43 Mutual Solvent. This was then pumped down the annulus followed with 1.0m³ of condensate mixed with 150 litres of APO18 and 100 litres of APM43. To provide some hydrostatic head pressure an additional 1.5m³ of oil was pumped down the annulus. The well was shut in for 48 hours to allow the chemical to feed back into the formation.

Total Costs: \$4,505 (including pressure truck)

Results: The data on the graph below illustrates how the well responded to the treatment. With a net back of \$170/m³ and \$110/E³M³ of gas, the treatment paid out in 5 days. The well is currently producing 4.40m³ of oil and 4.85 E³M³ of gas. After 20 days of production the well has provided \$8,317 incremental revenue over and above treatment costs and prior production values.

