

The fractal modeling of mechanical impurities in crude oil

Melita VISINESCU*, Viorel IACOB and Maria STOICESCU

*PETROM - OMV Group Member, INCERP - CERCETARE Ploiesti Subsidiary, 291 A Republicii, 100072
Ploiesti, Romania*

Abstract Water and paraffin drops, sand and coke particles build up the microscopically picture content of crude oil and is an interesting sight the wholly explanation of system. By classical methods of Euclidian Geometry is impossible to process this chaotic system, but is accessible by Fractal Modeling. In this article on figure in the same plot entities at a few centimeters to colloid level, having as fractal models the Koch Curve and the Cantor Set.

Keywords: oil mechanical impurities, fractal modeling.
