

ABSTRAK

IDENTIFIKASI ZONA *RESERVOIR ROCK* BERDASARKAN DATA *LOG* PADA SUMUR SOY DAN SUMUR BEAN, LAPANGAN “R”, CEKUNGAN SUMATERA SELATAN

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Penelitian dilakukan pada lapangan “R”, Cekungan Sumatera Selatan. Analisis kuantitatif petrofisika dilakukan dengan menghitung nilai porositas, saturasi air, menentukan litologi, permeabilitas dan indeks mobilitas hidrokarbon. Metodologi secara umum dari data *log* yang didapat, ditentukan litologinya kemudian menghitung nilai porositas, saturasi air (persamaan Indonesia) dan permeabilitas.

Berdasarkan interpretasi data sumur yang telah dilakukan, terdapat tiga zona produktif atau zona reservoir, yaitu sumur SOY terdapat pada kedalaman 2837.11ft sampai 2890.64ft. Pada sumur BEAN zona satu terdapat pada kedalaman 2882.22ft sampai 2890.42ft. Sedangkan pada BEAN zona dua terdapat pada kedalaman 2892.06ft sampai 2899.03ft.

Kata Kunci : Minyak dan gas, Petrofisika, Reservoir

ABSTRACT

IDENTIFICATION OF RESERVOIR ROCK BASED ON LOG DATA AT SOY WELL AND BEAN WELL, FIELD "R", SOUTH SUMATERA BASIN

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The study was conducted on the field, "R", South Sumatra Basin. Quantitative petrophysical analysis performed by calculating value of porosity, water saturation, determine the lithology, permeability and hydrocarbon index mobility. Generally methodology of log data, determined by lithology then calculate the value of porosity, water saturation (Indonesian Equation) and permeability.

Based on the interpretation of well data has been done , there are three productive zones or reservoir zones , which are at a depth of SOY well at depths 2837.11ft until 2890.64ft . At the BEAN well zone one is at depths up to 2890.42ft until 2882.22ft . which at the BEAN well zone two is at depths up to 2892.06ft until 2899.03ft .

Key word : Oil and Gas, Petrophyscs, Reservoir