

**2-D SEISMIC DATA INTERPRETATION AND
PETROPHYSICAL ANALYSIS OF ZAMZAMA AREA,
CENTRAL INDUS BASIN, SINDH, PAKISTAN**



By

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DEDICATION

We dedicate this thesis to our loving parents and respected teachers whose love, strength of character and spiritual insight show us the light in the dark moments of our life.

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ABSTRACT

The main purpose of the dissertation is to evaluate the structure and hydrocarbon potential using seismic and well log data of Dadu area, Pakistan. Dadu area lies in Sindh Province, Central Indus Basin Pakistan. The Dadu structure is thought to be enriched by potential hydrocarbon. The targeted Formations were of Eocene, Permian and Cambrian age. For structural enhancement, five migrated seismic lines HPK98-31A (strike line), HPK98-32A (dip line) HPK98-33A (strike line) HPK98-34(dip line) were used. Time and depth contour maps of four horizons, Dunghan Formation, Khadro Formation, Pab Formation and Fort Munro Formation were generated which confirmed the Pop up triangular structures in the subsurface. For petrophysical analysis both zones have been marked at the level of Pab Formation.

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