2D INTERPRETATION OF BADIN BLOCK, SOUTHERN INDUS BASIN

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ABSTRACT

The thesis deals with the 2D-seismic reflection data. The data is given by the LMKR (Landmark Resources) by the authorization of Directorate General of Petroleum Concession (DGPC). The seismic sections having line numbers PK86-1200, PK86-1202, PK85-960, PK85-958, PK85-964, are dip lines shot in east-west. The remaining line PK85-35 is strike line shot in North-South direction. Root mean square is also computed during processing are also provide with the seismic section at selected CDP'S and are used for the calculation of average velocities to convert the given time into depth.

Kirthar, Khadro, Parh, top Lower Goru and C-sand are the noticeable reflectors on the seismic section. Time contour map of top Lower Goru (TLG) and C-sand are prepared and depth contour map are also drawn by using velocity and one-way travel time. Normal faulting exists in the area. Horst and Graben structures are observed in the area. Amplitude maps are made which suggest probable presence of hydrocarbons at the well location.

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