2D INTERPRETATION OF SAWAN AREA, CENTRAL INDUS BASIN, PAKISATAN

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DEDICATION

I would like to dedicate this project to my parents, especially my beloved father Amjad Masood with his support and love this has become possible.

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ABSTRACT

Migrated seismic lines PSM96-114, PSM96-115, PSM98-202 of Sawan area, which lies in the Central Indus basin, Pakistan, lines were obtained from Directorate General of Petroleum Concession (DGPC) for seismic interpretation and well logs of well sawan 01 were also obtained. Main objectives include to delineate the subsurface structure and to locate the prospective zones in the study area. To achieve these objectives, two seismic lines are strike lines and one seismic line is dip line.

Five reflectors were marked with Sui main limestone Eocene and Base Formation is Chiltan of middle Jurassic, in between these Formations three more formations are marked ; Top upper goru ,Top B sand and Top C sand from early cretaceous, faults are also marked .Time contour maps were generated after that some sections were converted into depth section with the help of average velocity and finally depth contour maps were generated ,that helped to know the basic mechanism of the tectonic movement in the area.

The major faults in the area are normal faults because the study area is located in transtensional regime. There may be some reverse faults due to some local activity.

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