

**2-D SEISMIC INTERPRETATION OF KALAR SYEDAN AREA,
POTWAR PLATEAU, PAKISTAN**



A thesis submitted to Bahria University Islamabad in partial fulfillment of the requirement for the degree of BS in Geo-Physics.

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2012

ABSTRACT

Generally our aim was to understand the tectonics and geology of the Kalar Syedan area along with the interpretation procedure of migrated seismic sections to check out the subsurface structures that may be a possible lead for hydrocarbons. Migrated seismic lines PR-92-19, PR-92-20, PR-92-24, PR-92-26 of Kalar Syedan area were obtained from the Land Mark Resources with prior approval from the Directorate General of Petroleum Concession for carrying out this study. Line PR-92-19 is trending N-S while other lines are trending E-W.

Three reflectors Kamliial (R1), Chorgali (R2) and Basement (R3) were marked to investigate the geological structure present in the area.

To investigate the lateral and vertical variations of velocity and Time and depth contour Maps were generated.

ACKNOWLEDGEMENT

In the name of Allah, The Most Gracious and the Most Merciful, Alhamdulillah. I bear witness that Holly Prophet Muhammad (PBUH) is the last messenger, whose life is perfect model for the whole mankind till the Day of Judgment.

We are especially indebted to our dissertation supervisor Mr. Yasir Zeb for giving us an initiative to this study and his inspiring guidance, dynamic supervision and constructive criticism helped us to complete this work in time.

We are also obliged to our internal supervisor Mr. Aamir Malik for his help and guidance during the completion of this dissertation.

I also wish to thank the whole faculty of my department for providing me with an academic base, which has enabled me to take up this study.

We also acknowledge the help, the encouragement, endless love, support and prayers of our family, which have always been a source of inspiration and guidance for us all the way.

DEDICATION

“To our parents and teachers who have been continuous source of inspiration for us, otherwise we would not have the goals we have to strive and be the best to reach our dreams”.

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