

**2-D SEISMIC DATA INTERPRETATION AND
STRUCTURAL ANALYSIS OF SANGHAR AREA, LOWER
INDUS BASIN, PAKISTAN**



By

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ABSTRACT

This dissertation contains the study and interpretation of 2-D seismic reflection data of seismic lines of Sanghar area , Lower Indus Basin, Pakistan. The main objective of this research was delineation of subsurface structures favorable for hydrocarbon accumulation. This area is situated in the Sanghar district of Sindh province and is licensed to Oil and Gas Development Corporation Limited (OGDCL). The seismic data for this dissertation was provided by the Land Mark Resources (LMKR) by the permission of Directorate General of Petroleum Concessions (DGPC). The names of lines obtained are (862-SGR-148, 862-SGR-149, 862-SGR-150, 862-SGR-155). Three prominent reflectors were marked on the basis of their reflection character. Two-way time (TWT) was read from the seismic sections and average velocities were used to create TWT and Depth Counter maps.

TABLE OF CONTENTS

Content	Page
ACKNOWLEDGEMENT	I
ABSTRACT	II
LIST OF FIGURES	VI
LIST OF TABLES	VIII

CHAPTER 1

INTRODUCTION

1.1. Exploration History of The Study Area	1
1.2. Introduction To Study Area	2
1.3. Objective Of The Study	4
1.4 Data Used	4

CHAPTER 2

REGIONAL GEOLOGICAL SETTING

2.1. Tectonics	6
2.2. Basin Development	7
2.2.1. Lower Indus Basin	9

CHAPTER 3

STRATIGRAPHY OF THE STUDY AREA

3.1. Stratigraphy Of The Lower Indus Basin	12
3.2. Stratigraphy Of The Study Area	14

3.2.1. Lower Goru Formation	14
3.2.2. Upper Goru Formation	14
3.2.3. Khadro Formation	14
3.2.4. Parh Formation	15
3.2.5. Mughal Kot Formation	15
3.2.6. Pab Sandstone	15
3.2.7. Ranikot Formation	15
3.3. Petroleum Prospects	16

CHAPTER 4

SEISMIC DATA AQUISITION

4.1. Introduction	18
4.2. Basic Principles	18
4.3. Components	19
4.3.1. Input Devices	19
4.3.2. Receivers	20
4.3.3. A Recording Instrument	21

CHAPTER 5

SEISMIC DATA PROCESSING

5.1. Seismic Data Processing	22
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CHAPTER 6

SEISMIC DATA INTERPRETATION

6.1. Introduction	24
6.1.1. Structural Interpretation	24

6.1.2. Stratigraphic Interpretation	25
6.2. Interpretation of Seismic Lines of Study Area	25
6.3. Identification of Horizon	26
6.4. Identification of Faults	26
6.5. Time Section	32
6.6. Depth Section	34
6.6.1. Preparing Depth Section	34
6.7. Time Contours	36
6.8. Depth Contours	40
6.9. 3-D Surface Model	43
CONCLUSIONS	46
REFERENCES	47

LIST OF FIGURES

Figure 1.1. Location Map of Study Area	3
Figure 1.2. Base map of the study area.	5
Figure 2.1. Regional tectonic setting of Pakistan	8
Figure 4.1. A Geophone	21
Figure 4.2. A Hydrophone	21
Figure 6.41. Seismic Section of line 862-SGR-148	27
Figure 6.42. Seismic Section of line 862-SGR-149	28
Figure 6.43. Seismic Section of line 862-SGR-150	29
Figure 6.44. Seismic Section of line 862-SGR-155	30
Figure 6.5. Time Section of line 862-SGR-148	32
Figure 6.6. Time Section of line 862-SGR-149	32
Figure 6.7. Time Section of line 862-SGR-150	33
Figure 6.8. Time Section of line 862-SGR-155	33
Figure 6.9. Depth Section of line 862-SGR-148	34
Figure 6.10. Depth Section of line 862-SGR-149	35
Figure 6.11. Depth Section of line 862-SGR-150	35
Figure 6.12. Depth Section of line 862-SGR-155	35
Figure 6.13. Time contour map of Ranikot Formation.	37
Figure 6.14. Time contour map of Khadro Formation.	38
Figure 6.15. Time contour map of Parh Formation.	39
Figure 6.16. Depth contour map of Ranikot Formation.	40

LIST OF TABLES

Table 3.1. Stratigraphic Sequence of Sanghar Area.	13
Table 3.3. Sequence Stratigraphy of The Study Area.	17
Table 5.1. Processing parameters used in the given seismic lines.	23