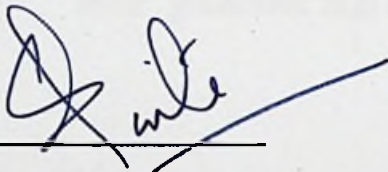


# CERTIFICATE

This is to certify that this thesis submitted by **Maryam Farooq** , Enrolment No. 04-161081-005 is accepted by the **Department of Earth & Environmental Sciences Bahria University Karachi** as satisfying the thesis requirement for the degree of Bachelor of Sciences in Geophysics.

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# Contents

## 1. INTRODUCTION

1.1) Introduction of Study Area.....	1
1.2) Concept of Exploration Geophysics.....	2
1.2.1) Application of Geophysical Methods in Hydrocarbon exploration.....	2
1.2.2) Seismic Surveying for Hydrocarbon Exploration .....	2
1.2.3) Seismic Surveying Procedure & Workflow .....	3
1.3) Objectives of the Project .....	3
1.4) Base Map.....	4
1.5) Seismic Line Parameters .....	4
1.6) SPREAD DIAGRAM .....	7
1.7) SCALES.....	7
1.8) DISPLAY PARAMETERS.....	7

## 2. GEOLOGICAL SETTING OF BITRISIM BLOCK

2.1) Summary of Geology.....	8
2.2) Tectonic zones of Pakistan.....	8
2.3) Sedimentary basin of Pakistan.....	9
2.3.1) Southern Indus basin.....	12
2.3.1.1) Kirthar fore deep.....	13
2.3.1.2) Kirthar fold belt .....	13
2.3.1.3) Thar platform.....	13
2.3.1.4) Karachi trough .....	13
2.3.1.3) Offshore Indus .....	13
2.4) Geology & Exploration History of the Study area.....	13
2.4.1) Exploration history .....	13
2.4.2) Geological setting .....	14
2.5) Stratigraphy of upper Indus basin .....	14

### 3. SEISMIC METHODS

3.1	Introduction .....	17
3.2	Types of Seismic Methods: .....	17
3.3	Theory of Elasticity:.....	19
3.3.1	Stress:.....	20
3.3.2	Strain & Its Types .....	21
3.4	Types of Seismic Waves :.....	21
3.4.1	Body waves.....	22
3.4.2	Surface waves. ....	24
3.5	Seismic Wave theory :.....	25
3.6	Basic wave propagation principles:.....	27
	Geometrical spreading or Spherical spreading .....	27
3.7	Huygens–Fresnel principle.....	27
3.8	Fermat's Principle:.....	28

### 4. SEISMIC DATA ACQUISITION

4.1)	Introduction.....	30
4.2)	Planning of Seismic Acquisition:.....	30
4.2.1)	Getting a Suvery Permits :.....	31
4.3)	Elements of Seismic Acquisition Survey :.....	31
4.3.1)	Surveying /Navigation system:.....	31
4.3.2)	Energy Source: .....	32
	(C) Thumper truck.....	34
4.3.3)	Receivers: .....	37
4.3.4)	Cables: .....	38
4.3.5)	Recording System.....	39
4.4)	Field Procedure .....	39

4.4.1) Basic Spread: .....	39
4.5) Seismic Acquisition Parameters .....	40

## 5. SEISMIC DATA PROCESSING

5.1) Introduction:.....	42
5.2) Processing Sequence:.....	42
5.2.1 ) Preprocessing :.....	42
5.2.2) Deconvolution and trace balancing: .....	43
5.2.3) CMP Sorting:.....	45
5.2.4) Velocity analysis: .....	45
5.2.5) Residual statics: .....	46
5.2.6) NMO correction:.....	46
5.2.7) Time- variant band-pass filtering: .....	47
5.2.8) Migration: .....	48
5.2.8.1.2) Depth Migration: .....	50
5.2.9) Gain recovery: .....	50

## 6. SEISMIC VELOCITIES

6.1 Fundamental Observations of Rock Physics with respect to Seismic Velocities: .....	52
6.2 Velocities depend on fluid modulus and density .....	52
6.3 Typical Rock and Fluid Velocities :.....	53
6.4 Seismic velocity, attenuation and rock properties .....	53
6.5 Rock properties that affect seismic velocity .....	55
6.5.1 Porosity. ....	55

6.5.2 Lithification.....	55
6.5.3 Pressure.....	55
6.6 Ways that Pore Pressure Impacts Velocities.....	56
6.7 Fluid saturation.....	57
6.8 Temperature Control on Velocity :.....	58
6.9 Velocity in unconsolidated near surface soils (the weathered layer).....	59
6.10 Attenuation.....	59
6.11 DIX Formula :.....	60
6.12 Types of Seismic velocity:.....	60
6.12.1 The interval velocity ( $V_i$ ) :.....	60
6.12.2 The average velocity:.....	60
6.12.3 The NMO velocity ( $V_{NMO}$ ).....	61
6.12.4 The root-mean-square velocity ( $V_{RMS}$ ).....	61
6.12.5 The stacking velocity ( $V_S$ ).....	62

## **7. SEISMIC DATA INTERPRETATION**

7.1 Summary of Interpretation.....	63
7.2) Interpretation of Provided Seismic Data (Bitrism Block).....	66
7.2.1) Seismic Section; Definition :.....	66
7.2.2) Seismic interpretation workflow for Seismic line 20017-BTM-09.....	67
7.2.2.1) Horizon Picking :.....	67
7.2.5) RMS Velocity & TWT graph:.....	68
7.3) Structural Analysis.....	73
7.3.1) Seismic Time Section.....	73
7.3.2) Seismic Depth Conversion.....	74
7.4) Faults interpretation.....	87
7.5) Conclusion.....	88

## **ABSTRACT**

A final stacked seismic section line 20017-BTM-09 provided by Oil & Gas Development Company Limited (OCDGL) for the interpretation, based on 60 fold data. Survey was conducted over the BITRISIM BLOCK, Southern Indus Basin of Sindh Province.

Processed NMO velocity information on different shot points, as a function of time, on the line is available from which average velocity is calculated. The velocities are plotted versus time to obtain the velocity function for the preparation of time section and depth section of the given line.

In the given seismic section line 20017-BTM-09, nine strong and continuous reflections with moderate amplitude are picked. Eight faults have been marked on the seismic section. The identified faults are normal faults.