1. Introduction

1.1 Objective of the project

The objective of this study is to delineate channels and thin sands using inversion techniques and well property predictions using Artificial Neural Network.

1.2 Scope of work for the project

1. Data loading and QC
2. Data conditioning
3. Log analysis, identification of markers
4. Well to Seismic tie
5. Tracking of key horizons Log editing and conditioning
6. Impedance inversion studies using Spectral blueing, Colored and Deterministic approach
7. Property prediction using Artificial Neural Network

1.3 Work flow

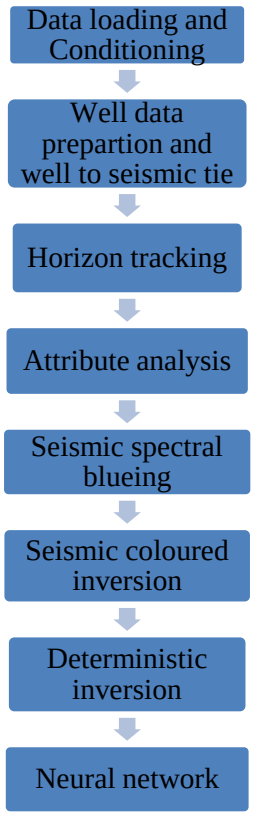

Figure 1: Work Flow of the project

1.4 Software used

- OpendTect™ vs 4.6 introduced by dGB Earth science, Norway is used for the interpretation of the given seismic data.