* **AVO on Gas Hydrates**

This folder includes Hampson-Russell Project files for AVO Analysis on Gas hydrates and Petrel Project files for seismic interpretation at Woolsey Mound Area, MC118.

Two different 3D seismic dataset are used. One dataset consists of 911 Lines and 911 Crosslines, and the other has 341 Inlines and 546 crosslines. Prestack data is used for AVO analysis, and poststack data is used for seismic interpretation.

* **4-D Seismic Imaging**

This folder includes Hampson-Russell Project files for time-lapse monitoring of gas hydrates at Mississippi Canyon 118. 4-D analysis has been carried out using four collocated 3-D seismic volumes that span over a temporal window of 14 years. All the datasets are in time domain.