

BaseWorks

GoM Regional Basement



The BaseWorks package for the Gulf Coast Province is a regional interpretation of the basement structure (faults, anticlinal and synclinal elements). The data are from CGG aeromagnetic regional 4x8 mile spaced surveys.

BaseWorks functionality is its immediate interactive interface with a Client's proprietary database via a set of digital template-inspired interpretation maps. All the surfaces will high-grade basin, thermal and/or stratigraphic models that are required for deep-gas evaluation. The application of BaseWorks delineates basement structure configuration, basement faults & lineations, basement transforms, reservoir constraints, sand/sediment thickness.

The depth analysis was done utilizing various depth estimation techniques. The depths have been calibrated to seismic refraction data and geologic trends.

Deliverables:

Structural Framework

Magnetic Basement Structure Map
Pre-Mid Jurassic-Magnetic Basement Isopach
Depth to Top of Volcanics

Magnetic Data

Total Magnetic Intensity Field
Reduction-to-Magnetic Pole (RTP)
Data Enhancement Maps (3)

Geological Interpretation

Regional Geologic Features
Bufler (MJS) Basement

BaseWorks Report

An interpretation report includes the data source description, data processing, and interpretation methodology, a summary of the regional geology (with references), interpretation results and conclusions.

Output Format

Digital Archive, VIDL or ArcGIS Library



www.igcworld.com