Global Geophysical Services

Seismic Data Processing, Analysis and Interpretation

INTEGRATED SERVICES

- Full 2D, 3D, and 4D data processing
- Prestack time and depth migration
- AVO inversion and reservoir characterization
- Pore pressure and fracture prediction
- Seismic data interpretation
- SeisFacies analysis
- Depth conversion
- Petrophysical analysis
- Regional geologic studies
- Deterministic and stochastic inversion, including joint PP/PS
- Time lapse processing and analysis for dynamic reservoir characterization
- Converted wave processing and analysis

PROCESSING & INTERPRETATION PROVIDED BY GLOBAL GEOSCIENCE

Global Geophysical processing, imaging and analysis services are built on the innovation and technology of two industry flagship brands – Weinman Geoscience and Sensor Geophysical, under the new integrated banner of E&P Services. For nearly three decades, Weinman GeoScience has been helping clients optimize assets through expert consulting, seismic data processing, geophysical, geological, and engineering services. Weinman’s patented azimuthal scanning technology has revolutionized stress field characterization and fracture prediction from surface seismic data. Sensor is a recognized leader in multicomponent (3C/4C), time lapse, and joint inversion. In combination the capabilities that Global brings to the E & P industry ensure optimal imaging and characterization of even the most complex reservoirs and unconventional resources.

NOT ALL SEISMIC DATA IS CREATED EQUAL

Global Geophysical Services’ RG-3D Reservoir Grade 3D™ acquisition technology, combined with our integrated processing and analysis solutions, maximize seismic image and reservoir characterization potential.

PROCESSING, ANALYSIS & INTERPRETATION SOLUTIONS

- High-fidelity time and depth imaging including azimuthal velocity analysis
- P-wave and converted wave fracture prediction, and stress field analysis
- P-wave fracture prediction
- AVO prospecting and portfolio ranking
- Regional studies and reservoir characterization

Our technical team includes major-oil company trained geoscientists, as well as service company professionals with extensive field experience.

E&P INDUSTRY INNOVATION

Global Geophysical Services is leading the industry in geomechanical and reservoir characterization in both conventional and unconventional plays, an emergent technology that has become a critical production enabler to oil and gas E&P activities worldwide.
E&P SERVICES

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