# PAI GME3D

## An integrated solution for GME exploration

The PAI-GME3D is an integrated 3D GME package with unique features of high-power TFEM,® CEMP,® and borehole-surface TFEM,® which has been prominently used in hydrocarbon exploration, civil engineering, mining, and environmental assessment. Riding on the coattails of GeoEast,® the PAI-GME3D enables the geologist to conduct 3D visualization interpretation based upon a wide spectrum of datasets, such as gravity, magnetic, electromagnetic, seismic, and logging, thereby producing a better in-depth knowledge of faults, igneous rocks, and reservoirs.
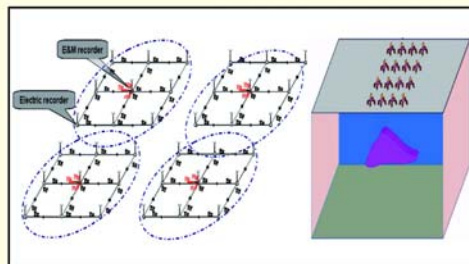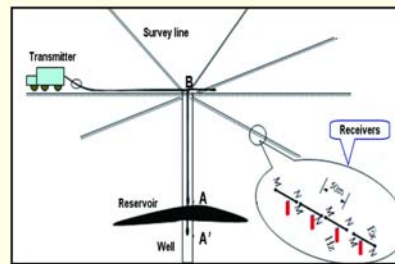
■ Acquisition
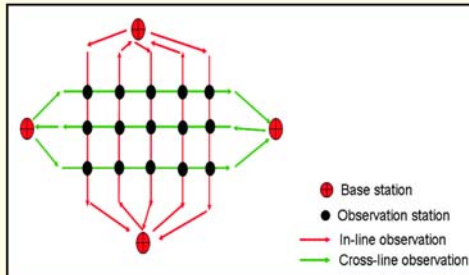
3D Gravity & Magnetic Acquisition with High Density Base-station Net and Repeated Observation®
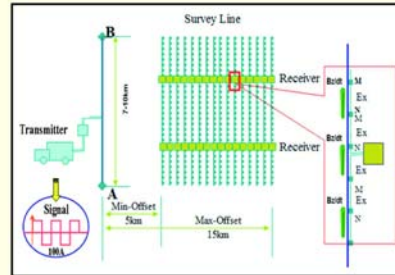
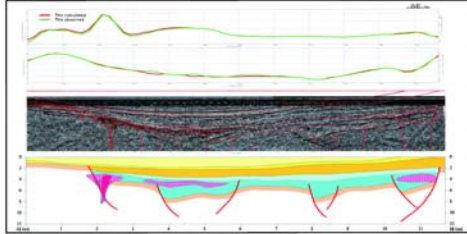High-power 3D TFEM® acquisition

3D small-bin CEMP® acquisition
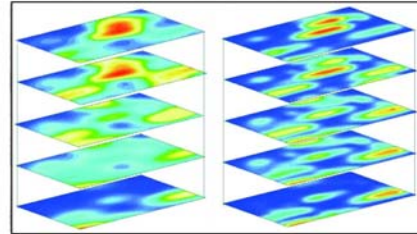

3D Borehole-surface TFEM® acquisition

中国石油东方地球物理公司
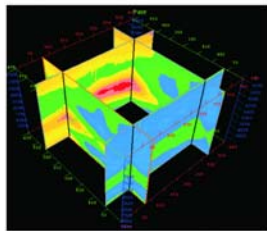BGP Inc.,China National Petroleum Corporation
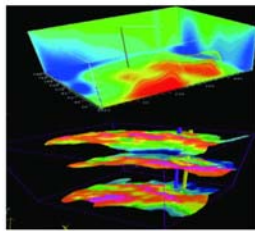
■ Processing

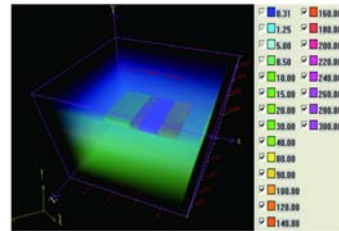3D gravity formation-separation with constraint of seismic and logging data

Processing and static corrections of 3D CEMP® data
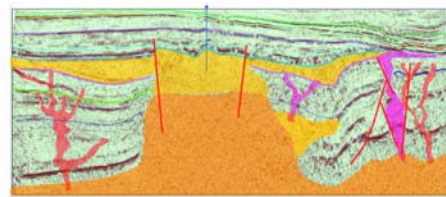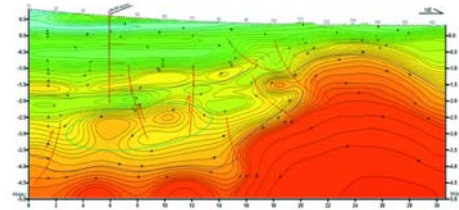

Fast cascaded Inversion of 3D CEMP® data

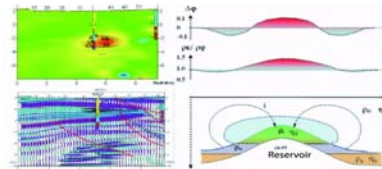3D Inversion of Apparent Density and Susceptibility®
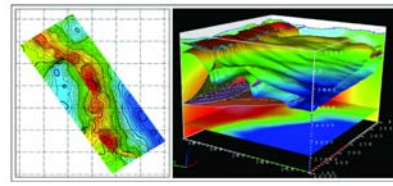

3D inversion of SBL data

■ Interpretation

Pattern Recognition and Interpretation of Igneous Rocks with Cluster Coding® based on gravity, magnetic, electromagnetic, and seismic data.

Hydrocarbon Detection and Monitoring by IPR Anomaly®

Integrated 3D visualization interpretation with gravity, magnetic, electromagnetic, and seismic data on GeoEast®