

Persian Carpet 2000

Global Geophysical Services (Norway)

Persian Gulf and Gulf of Oman

DELIVERABLES

Author - John Boldock (Geo Brokers Pty Ltd)

Deliverables

- ▶ **2D Seismic**
- ▶ The PC-2000 seismic database covers the entire Iranian Offshore with a 2 km x 2 km seismic grid , and the Iran part of Oman Sea with a 8 km x 8 km grid. The data serves as the main tool for all future exploration activity offshore Iran. Data can be supplied in Kingdom Suite [™], Geo Frame [™] or Petrel [™] formats.
- ▶ **Seismic Velocity Data information**
- ▶ Seismic Velocity data will be delivered in a format to be specified by client.
- ▶ **Interpretation Reports**
- ▶ GGS offers high quality Interpretation Reports for PC-2000 seismic data.
- ▶ The PC-2000 data have been interpreted by Snr. Staff at Robertson Research, with extensive experience in the Middle East.

Deliverables (continued)

- ▶ **Golshan & Ferdowsi Field Pseudo 3D Surveys (G&F Structures)**
- ▶ GGS collected an additional dense grid of 2D seismic data over the “Golshan” and “Ferdowsi” Fields. The data was processed as 3D data, and thus we generated a pseudo 3D data set.
- ▶ **Gravity Data**
- ▶ GGS has collected approx. 30,000 KM of Gravity Data which covers substantial parts of the PC-2000 grid areas. The coverage is especially good for the Oman Sea, the Strait of Hormuz, the Lavan island Areas, and in the shallow parts of the Northwestern Gulf. All Gravity Data has been collected using a state of the art “ chekan-AM” Gravity Meter. In addition to raw datasets, the following maps are supplied: Bathymetry, Bouguer Anomaly, high pass Bouguer Anomaly with 100 km x 50 km cut off, and also Free Air Anomaly.
- ▶ **Seismic Well Tie Data**
- ▶ Many of the wells in the Persian Gulf are located in areas with steeply dipping strata. Additional seismic lines became especially important for us in tying such wells to the PC-2000 grid. GGS therefore collected well tie surveys over most wells in the Persian Gulf.

Deliverables (continued)

▶ Well Data

- ▶ GGS has an extensive well data base of the Persian Gulf, this is essential information for any explorationist
- ▶ Phase 1 - Tops in depth for 100 wells offshore (time for 50 wells)
- ▶ Phase 2 - Tops in depth for 10 wells offshore (time for 5 wells)
- ▶ Phase 3 - Tops in depth for 22 well near offshore (time for 11 wells)
- ▶ Phase 4 - GR SON for 23 wells offshore (12 high quality)
- ▶ Phase 5 - GR SON + other logs for 7 wells offshore (high quality)

▶ Prospect Atlas

- ▶ GGS put some considerable resources into pointing out different play types in the PC-2000 Area. The Atlas is considered a valuable supplementary tool in Offshore Exploration.