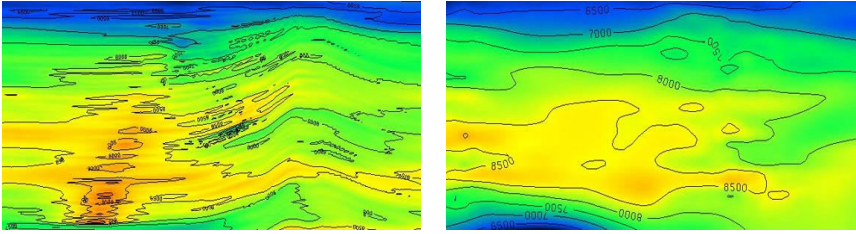


Case 2: Imaging Salt under Geo-pressure

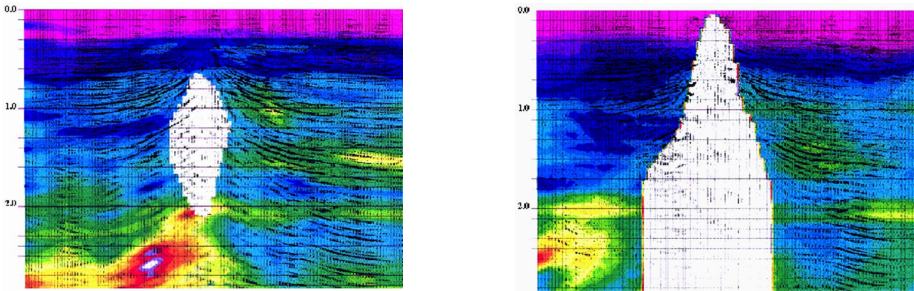


Software: [iDEPTH](#) 3D velocity modeling and well data integration, was the key success factor.

Results: Two successful wells were drilled as a result of [iDEPTH](#) Velocity Modeling (reference: [TLE January 2000](#) - click [here](#) to download .pdf file).

Problem: Prior to applying SeisLink technologies, client had poor image quality due to high pressure pockets near the salt face. As a result seismic data did not tie to well control information.

Solution: SeisLink [iDEPTHing](#) included a new geo-statistical algorithm for geo-pressure anomalies was developed for well data integration and subsequent seismic depth imaging. Geo-pressure conditions were included in the velocity model, accommodating velocity anomalies with strong velocity contrasts between geo-pressure zones and surroundings. The integrated high resolution velocity model (left) and smooth velocity model (right) was used for migration results shown.



Request Proposal