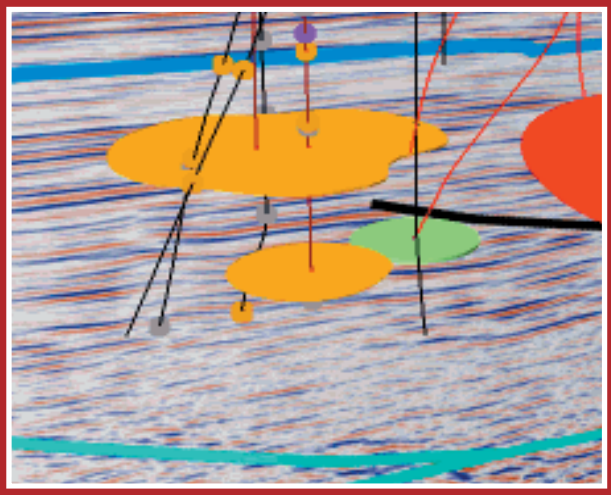
GOM³

June 2007 Monthly Newsletter

GXT's GULFSPAN in *GOM³* 3-D GIS

This month's functionality update opens a new stage of the power for GOM³'s 3-D GIS capability. Our clients who also subscribe to GX Technology's GULFSPAN regional seismic interpretation framework will now be able to introduce their 2-D depth sections into GOM³. Our adding depth-converted seismic data to 3-D GIS is a first.



GOM³'s 3-D GIS component has always integrated MMS data on wells, completions, reservoirs and paleontology for all producing fields in the Gulf. Last year, we broadened this, introducing PaleoData Inc.'s (PDI) paleo data into 3-D scenes. We now very powerfully leverage ~1,000 robust 3-D GIS field models. Adding GULFSPAN lines through and around the fields introduces the value of GXT's seismic processing, stratigraphic and structural interpretation to GOM³'s 3-D GIS.

GXT provides a Gulf Coast basin-wide structural and stratigraphic framework; 76 very long composite depth-section strike and dip lines fall offshore. Faults, salt and regional stratigraphic boundaries have been consistently interpreted across the entire grid. In a 2-D GOM³ map, add the GULFSPAN nav. grid from the GOM³ toolbar (Map Layers -> 3rd Party Data -> GXT). Hot Link on any nav. line in 2-D to open the (5: 1 interpreted or uninterpreted) line in a separate window.

For 3-D: Hot Link on any producing field in 2-D. Once 3-D opens, access the GXT data through the menu (GOM³-3D -> Map Layers). By choosing "Add Seismic to 3-D" when Hot Linking on a line, either the interpreted or uninterpreted line, at 1: 1, is clipped to the field model extent, rescaled to the model's depth and hung below the nav. line running across the top of the scene at sea level.

Wells, reservoirs and completions are juxtaposed (or intersect) the seismic section in true vertical depth. MMS or PDI paleo data, and top surfaces estimated from them, can be added to the field model on the fly, to compare GXT interpretations, refine them or extend them out of the seismic plane. In our Sept. '07 functionality release, GXT interpreted tops, faults and salt will become "smart" (i.e., vector polylines) adding even more utility.

This is a very large first step in extending GOM³'s capability to geophysical data in 3-D GIS. In the Sept. '07 functionality release, we will add a new tool that will read any SEG-Y files on your system and directly introduce the section into our 3-D GIS component, just as we've done with the GULFSPAN project.

Earth Science Associates (562) 428-3181

GOM³ Calendar

Next Public Training:
July 18 and 19, 2007

2007 End User Conference:
October 25, 2007