TATUÍ - Integrate Petroleum System Information Using Network Enabled GIS Database

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TATUÍ is an integrated database system uses a Geographic Information System (GIS) that is successfully applied to the study and display of regional petroleum system with geological, geophysical and geochemical features. A layered system is used to easily classify information from different data sources to create a fully integrated system of both onshore and offshore studies from multiple scientific disciplines. Different data types including satellite images, geological sections, geological models, piston coring results, oil slicks and high resolution geochemical data (HRGT) can all coexist in one GIS database. Information on any results can be readily available by selecting the GIS feature and report can be delivered to users immediately. The GIS features can be used through any web enabled computer or workstation, making petroleum system integrated information management easier than ever. This leading-edge technology was applied to integrate different petroleum systems. Recently, all data generated from Mexico Petroleum System study has been seamlessly integrated into a single GIS enabled database, which can be readily used by exploration and production users. The system handles all field work, analytical data, geological and geophysical data as well as satellite images. The system uses minimum resource on local computers and no installation is required to access the GIS features, distributed computing concept is used to optimize the system performance. The GIS internet system is the perfect platform for storing, viewing and accessing data in petroleum systems.