

Asset Management Solution for Seismic Data

Case Study

Overview

Like all exploration and production companies, a National Oil Company (NOC) relies on seismic data to make critical business decisions. The company owns terabytes upon terabytes of seismic data, which is managed by a separate, third party organization that services the individual needs of each business unit. Asset management teams at the NOC access and analyze seismic and geological data to identify drilling opportunities. This means countless hours are spent analyzing seismic prospects, well logs, maps, and more. The process for obtaining and retrieving information from the third party is also a time-consuming and inefficient process.

iStore Role

iStore assisted the NOC by applying its PetroTrek® Asset Management solution to enhance the users' abilities to access and order seismic data being stored and processed by the third party. The solution would enable the timely and accurate exchange of information, giving employees at the NOC the information they needed to make faster and more efficient decisions.

The implementation of the Asset Management solution resulted in the following:

- Asset team members no longer had to fax requests to the data management team for seismic information, as they were able to use an online portal to order any needed information.
- Time spent locating and retrieving important seismic information fell from weeks or months to hours or minutes.
- A detailed index of the information stored on each cartridge was tied to a map software interface, allowing asset team members to go to the web-based PetroTrek® software, click a region on the map, and see what information was available in that area.
- Once asset team members drilled down to the specific data they needed, they could either place an order for the cartridges holding the data or access the information online, depending on the capabilities of their desktop workstations.

Conclusion

More than one hundred users, representing all asset teams in the NOC, began using PetroTrek® to locate and order field or processed seismic data and associated documents. As a result, the time required to obtain specific information fell dramatically. Through the implementation of the Asset Management solution, the NOC was able to make critical decisions, based on its extensive library of data, faster and more proficiently.

iStore provides integrated products, services, and solutions for the oil and gas industry focused on maximizing the value of data by providing quick and easy access to organized, high quality information.