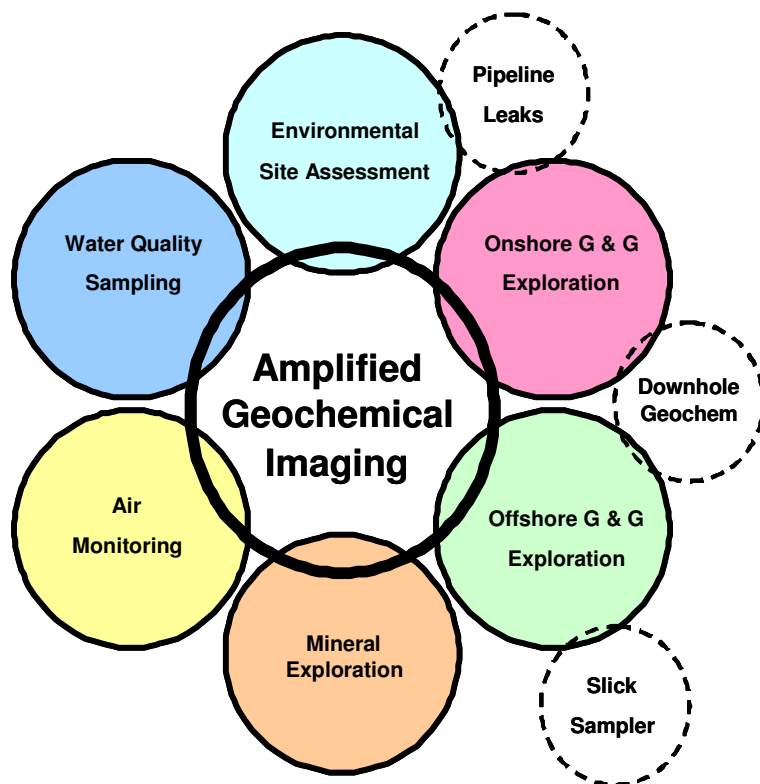


Innovative Applications

Over the next few Geotech newsletters, I will review the various applications of the Amplified Geochemical Imaging technology. Applications have been developed in the environmental, including water quality and air monitoring, oil and gas exploration and development, both onshore and offshore and mineral exploration. In addition the technology can be applied to pipeline leak identification, downhole well geochemical evaluation and offshore slick sampling.



ONGC to Pioneer Advanced Petroleum Exploration Technology in India

10 October 2008 (New Delhi India) — In a signing ceremony at The Meridian Hotel, Oil and Natural Gas Corporation Ltd. (ONGC) became the first company in India to have access to Gore's Amplified Geochemical Imaging(sm) technology for oil and gas exploration.

It is a fitting milestone for the company. Earlier this month, ONGC commemorated its first oil discovery at Lunej in Anand district of Gujarat. The Minister of Petroleum & Natural Gas Murli Deora unveiled the commemorative plaque at the site of the first discovery 50 years ago. W.L. Gore & Associates, Inc., inventor of Amplified Geochemical Imaging technology, also celebrates its 50 anniversary this year.

Two initial projects have been identified for the coming year. The "Patan" oil exploration survey will comprise **580 samples over 270 km² in the Cambay Basin**, Gujarat State. The objective is to test structural leads in Tertiary clastics. The "Cauvery" oil exploration survey will comprise **600 samples over a 500 km² area in the Cauvery Basin**, Tamil Nadu State, with the objective of determining the stratigraphic potential of Tertiary and Cretaceous sands.

According to **D. K. Pande, director of exploration**, "ONGC has always been in the forefront of exploration technology. Using Gore's Amplified Geochemical Imaging technology will give us a distinct advantage. This technology will enhance the accuracy of our exploration at a **fraction of the cost of seismic surveys**, which means that we can locate charged reservoirs more quickly and **reduce the risk of drilling dry wells.**"

The unique benefit of using Amplified Geochemical Imaging technology is the ability to also measure thermogenic hydrocarbon mass in the critical mid-range hydrocarbon compounds. These “gasoline-range” compounds, C10 through C15 and up, are not easily derived through most other geochemical methods. Samples are easily gathered by inserting GORE™ Modules (passive sampling devices) less than one meter below the surface of the survey area. With **90 percent accuracy in mapping petroleum**

versus dry background areas, Amplified Geochemical Imaging(sm) technology accommodates seasonal, ecological, topographic, and regional geological conditions that might alter the compositional transformations of hydrocarbons from place to place.



Signing ceremony with ONGC of India

ONGC was incorporated in 1993. In 2007, it was ranked as the number one oil and gas exploration and production company in Asia. The company is involved in exploring for and exploiting petroleum in 26 sedimentary basins in India.

Regards Bob Potter

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