

The Power of GeoScience Information Management

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Summary

We work in an industry where knowledge is power and change is constant. Times change, goals change, methods and technologies change but 'data' is still data. We spend a lot of money for data whether it is seismic data from the field or geological data from a well. Then we spend more for experts to process the data and analyze the processed information and even more money to act on decisions made as a result of the analysis. Data is generated in every aspect of our business and sometimes it is an astronomical amount of data. Data managers are tasked with making the data accessible and maintaining the integrity. There are legal and contractual issues to manage. Data can help generate revenue or be a big expense. We can see this as a corporate asset or end up with a liability.

Introduction

We will overview the types of GeoScience data generated and used by the Oil and Gas industry and the challenges in maintaining and accessing this asset and the related information. GeoScience Information Management refers to Geophysical, Geological, and MicroSeismic that is gathered in field formats **(Data)**, processed formats **(Information)** and interpreted formats **(Knowledge)** both physical and digital. We will talk about the origin of the data, the volumes of data, the ethics concerning the use of the data as well as storage, retention and economic efficiencies.