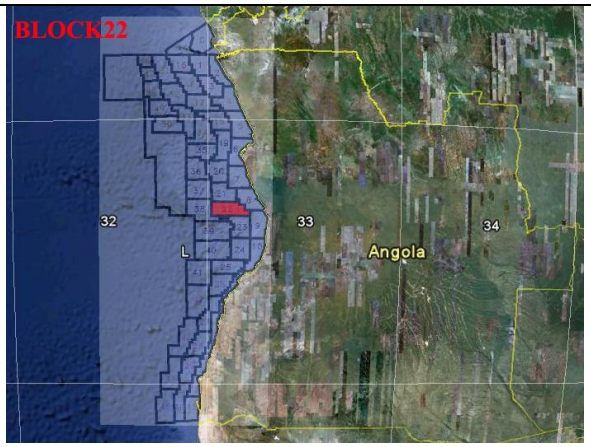
Abstract:

INCULCATING OIL & GAS VISUALIZATION WITHIN THE GENERAL BIG DATA REALM

Prior to the big data emergence the oil and gas community especially in the upstream sector, have been plagued with data not only voluminous in numbers but humongous in terms of its file size e.g. terra or gigabytes. With these humongous volumes working with the data digitally is almost impossible. These software vendors have created image rendering utilities whereby all these digital data are presented in the form of editable images where one can visualize, analyse, model the dataset resulting in productive decision – making to be implemented across key disciplines viz. Exploration drilling and finance. These images rendering software which have evolved throughout these years not only to capture and depict the true nature of the underlying strata of the earth not only to pinpoint the where about of the hydrocarbon deposits but also to provide invaluable information of the geology of the area or region.

Here we would like to share with our colleagues from other disciplines the importance of visualization. The techniques used in search of oil & gas which is for subsurface data can co-exist in other disciplines viz. with three examples below;

1		**Landmark Housing Management @ Halliburton** This is a complete package of a housing management system whereby users and developers alike can use the software to their needs.
2		**GE Voluson E10 Ultrasound Machine** To facilitate viewing of internal entities like normal scanning & for investigating anomalies
3		**GIS** Display of both Oil & Gas data i.e. Block boundary and the natural habitat i.e. vegetation of Angola