

Benefits of Field Development User Database Archiving and Deployment of Multiuser Knowledge Management Platform

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ABSTRACT

In an environment where the industry faces the task of exploiting more and more challenging reservoirs with a shortage of experienced industry professionals, productivity is crucial. This requires intuitive software solution that facilitates integration and collaboration across multiple disciplines—and which promotes knowledge preservation for later reuse. The E&P knowledge environment and application softwares empowers the users with a new level of usability and productivity that supports an E&P organization's quest to streamline and optimize its workflow across the asset lifecycle, while also capturing vital knowledge to maximize personal and team productivity. It features a powerful set of tools that allow geoscientists and engineers to access, review, and use information, all of this in the context of their workflows. The E&P industry is going to face high volume data and technical knowledge challenges along with change management challenges from a non-technical perspective. The case study in this paper addresses the achievement of implementing Studio Knowledge environment in Umm Gudair (UG) field, West Kuwait Asset, Kuwait Oil Company (KOC) as a first milestone project. The requirements are different from Geologist to Geophysicist to Petrophysicist to Reservoir engineer and guides platform to customize workflows which helps to reduce data challenges from technical side and change management challenges from non-technical side. This project of Knowledge Management Environment not only saved 30% non-productive time for data gathering and validation, but also assisted G&G professionals to make better decision by applying drilling and operation workflows. The paper will also address the current project implementation overview in term of data, process and technology.