

Artificial Lift Management Dashboard

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ABSTRACT

The need for artificial lift in Greater Burgan Field has been constantly increasing with the depletion of the reservoir and weakling aquifer support. Many wells are being converted from natural flow to Artificial lift to sustain & accelerate the production. Currently New Drills under WPMP with Waterflood are being completed with artificial lift, thereby increasing the population of artificial lift wells enormously. With such a huge field having almost around 2000 wells, there is need for a Management System for following up day-to-day work, track the plan implementation, identify bottle-necks and minimize operational delays. The dashboard was created for providing the asset management with an overview of the different aspects of artificial lift for informed decision making. In addition, it allows to do a high level analysis of trips, failures and provide statistics for planning. The system links different databases of various teams and enables an easy access to diverse information related to design of the arterial lift system, co-ordination for installation of artificial lift, material availability, schedule installation and the operational performance of the pumps. This dashboard helps in following up the yearly plan implementation and identify any delays beforehand for immediate corrective action and optimization. This integrated approach between the multidisciplinary teams resulted in improvement of asset performance in terms of efficiency, business results and timely delivery of the Artificial Lift Implementation comparing with conventional traditional matrix style hierarchies.