CASE STUDY: MIDDLE EAST

First in-country deployment of XACT bi-directional telemetry system enables real-time data interpretation

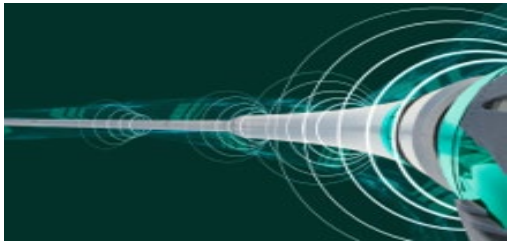
CHALLENGES

- Run a conventional liner hanger with real-time access to downhole and surface data
- Manage the significant risk to well viability if the liner failed to reach total depth(TD)
- Mitigate high risk of fluid losses and poor cement jobs that could compromise zonal isolation
- Prioritize rig efficiency by ensuring any solution is adaptable and minimizes critical path time of the rig
- Address concerns of deploying new technology in the region, where personnel have limited experience of the system

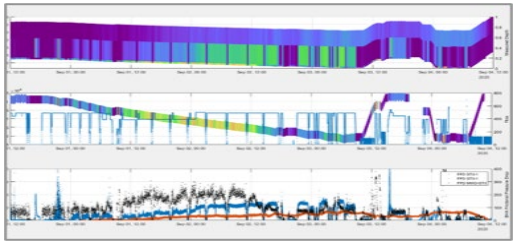
SOLUTION

For the first time in the country, Baker Hughes deployed its XACT bi-directional acoustic platform with a conventional HMC liner hanger to:

- Enable real-time monitoring of downhole data including pressure, torque, and weight during various operations
- Integrate seamlessly and deploy easily without requiring modifications to existing rig equipment
- Leverage Baker Hughes' remote support center for expert data interpretation, deployment, and informed decision-making



XACT Bi-Directional Acoustic Platform



XACT Real-time and high definition memory data

RESULTS

- Demonstrated reliable real-time transmission of downhole data to surface, unaffected by fluid types or levels, even while tripping
- Achieved customer objectives for acquiring downhole data to improve liner hanger setting and cementing
- Enabled remote operations support with real-time visibility of downhole conditions providing monitoring, interpretation, and immediate intervention
- Completed offline system set up and rig integration within hours of arrival, leveraging the remote operations center expertise
- Analyzed high-definition memory data of pressures, weights, torques, from multiple stations along the work string to provide further operational insights and guide future run improvements

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