Weatherford®

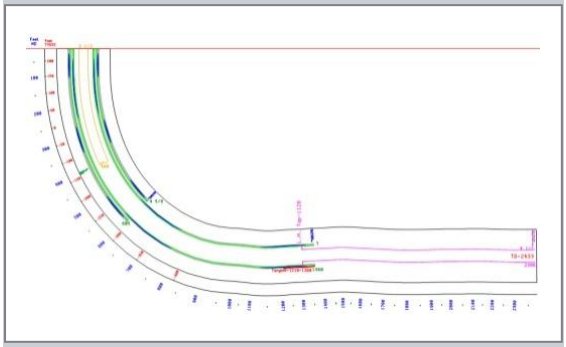
REAL RESULTS

Model 28-1800 PCP Exceeds KPIs in Challenging Horizontal, Heavy-Oil Application

With high production, lift capacity, and system efficiency, Weatherford's PCPs successfully exceeded the operator's KPIs despite demanding well applications.

Objectives

- Maximize oil production by overcoming the challenges of sand-laden heavy oil and the final 90-degree angle where the progressing cavity pump (PCP) was to be landed.
- Install a system that requires minimal well-servicing and reduces the risks of pump-replacement and associated costs.



Well profile schematic illustrating the well's final 90-degree angle where the pump was landed.

Results

- Weatherford installed the Model 28-1800 PCP to improve the movement of heavy oil and sand.
- The rod string was designed with the appropriate rod guides and centralizers to alleviate concentrated contact loads, reduce rod and tubing wear, and increase the overall run life.
- The system was run between 130 to 280 RPM and has operated for more than 180 days without failure, significantly exceeding the operator's key performance indicators (KPIs).

Value to Client

- Using Weatherford's PCP system provided the operator with a sustainable solution that maximized oil production, extended run times, and avoided costly well intervention and pump change expenses.

Location
Kuwait

Well Type
Onshore, horizontal

Depth
- 1,000 ft (304.8 m) measured depth
- 800 ft (243.8 m) vertical depth

Products/Services
- Model 28-1800 PCP
- Mini GX direct drive drivehead

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