



Overview

Run Date: February 1, 2025
Location: Southern Europe
Onshore/Offshore: Onshore
Formation: Carbonate
Well/Run Type: Solvent Job
Pump Rate: 2.2 BPM
Casing Size: 4" 1/2 12.75# / Slotted Liner
Total Depth: 6675 meters Measured Depth (MD) (21,900 ft)
Products / Services: InFocus 2-1/8" AMPLI-VIBE Friction Reduction Tool w/AMP Inside

Objectives / Known Hole Problems

The objective was to perform a solvent job in a 2000 m long horizontal drain (from 4656 to 6685 mMD). Without the use of the Ampli-Vibe FRT, it would not have been possible to reach TD. Additionally, the tool must be suitable for solvent pumping, so the InFocus Ampli-Vibe FRT featuring an AMP: All Metal Power section was a natural choice.

Tool Deployment / Execution

The tool was used in a CT BHA. During the RIH, it was necessary to pump a friction reducer to improve the RIH speed. Without the use of the friction reducer, the RIH speed was around 3 m/min, while with the friction reducer, speeds of 10-15 m/min were achieved in the horizontal section. The Ampli-Vibe was activated from 5400 mMD all the way to TD.

Results

The results were positive: the Ampli-Vibe performed the RIH of the CT up to the planned depth. Moreover, no issues were encountered with the MHA due to tool vibrations. A positive aspect of the Ampli-Vibe FRT is the maximum flow rate. The tool creates minimal pressure losses and allowed pumping at a flow rate of up to 2.3 bpm.

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2-1/8" AMPLI-VIBE
Friction Reduction Tool

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Operational Notes / Well Information

Well Type: Oil Producer

BHA: Internal dimple connector
MHA with rupture disc 7000 psi
Solid Centralizer 2.250"
Pump Thru Weight bar
Infocus 2-1/8" Ampli-Vibe Friction Reduction Tool
Solid Centralizer 2.250"
Master Jet

Casing Size/Type: 4" 1/2 12.75#

Total Depth: 6685 meters

Thru-Tubing Details

Coiled Tubing Size: 2"
Tubing Size & WT: 4.1/2" 12.75#
Tubing ID: 3.893"
Min. Restriction: 2.31"

