CASE HISTORY

VULCAN™ MFT 24 DELIVERS RAPID ANALYSIS, REDUCING OPERATIONAL UNCERTAINTY

APPLICATION

Casing Evaluation

TECHNOLOGY

Vulcan™ MFT 24
(Multi-Finger Tool)

LOCATION

North Sea

CUSTOMER CHALLENGE

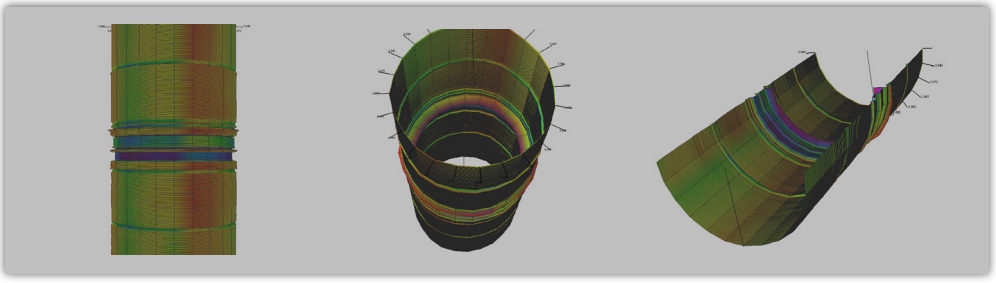
There was suspicion of cement blockage, so the customer needed to evaluate the condition of the 5" x 4 1/2" liner, as well as the five frac sleeves/ball seats in the 4 1/2" liner of the lateral section. A multi-finger caliper tool, capable of being deployed on coiled tubing, was required to determine if there were any anomalies. It was critical for the customer to receive a quick response to minimize rig time and proceed with operations as planned.

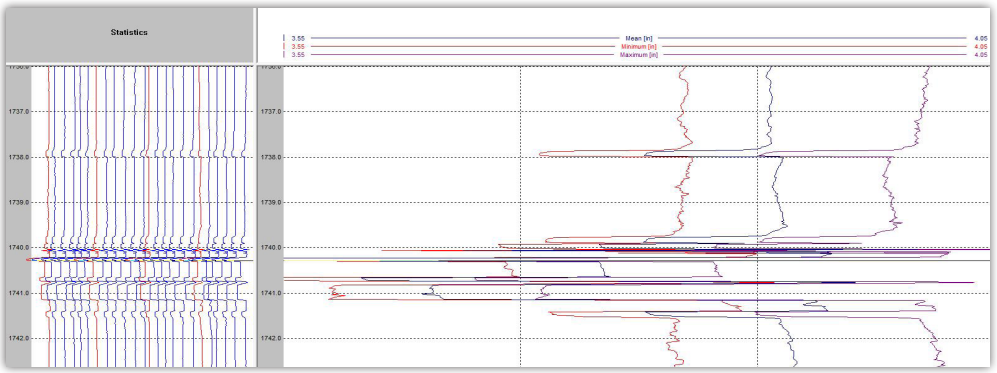
SCIENTIFIC SOLUTION

Scientific Drilling deployed their Vulcan™ MFT 24 on coiled tubing as a high accuracy solution for a rapid, detailed analysis of anomalies. The tool provided radial measurements with an accuracy of ±0.02" and resolution of 0.001". SDI's log analysis team, provided 24 hour coverage and was on standby for the data, providing a quick turnaround, allowing operations to continue with minimal disruptions.

CUSTOMER VALUE

The comprehensive well profile confirmed the condition of the frac sleeves/ball seats were in-fact normal. The rapid retrieval of data from the analysis and 3D visualization confirmed there were no anomalies, allowing the customer to continue operations with peace of mind. In addition, the data from this project can be utilized as a reference for future evaluation of the completion to monitor any damage or build up that may be present.





VULCAN™ MFT 24
LOG & 3D VISUALIZATION

Vulcan™ MFT 24 was deployed on coiled tubing in a horizontal well for the North Sea operator.

This showcases a high accuracy resolution image of the wellbore condition after the multi-stage frac completion.

Updated August 2015