



Case Study

Articulating Hole Finder™ Enables Logging in Challenging South East Asia Well

Challenge

- Logging was planned in a new well in an area with historically difficult hole conditions.
- A combination of shallow kickoff depths and unconsolidated formations previously resulted in many wireline logging attempts failing to reach Total Depth (TD) due to washouts and bridges.
- Lightweight tools limit set-down weights with which to pass obstacles.

Solution

- Pre-job modelling using Impact Selector’s Smartplanner™ simulation software showed that the tool string could reach TD by reducing friction.
- Friction reduction was achieved through the introduction of I-Wheel™ roller conveyance, improving modelled set-down weights by over 80%.
- The Articulating Hole Finder™ was integrated into the tool string to provide reactive 360-degree articulation for optimal angular deflection to negotiate all obstructions.

Value to Customer

- Increased well logging efficiency.
- Reduced risk and cost.
- The open hole logging was successfully completed, the tools reached TD and the data acquisition objectives were achieved.

Impact Selector Products/Services

- Articulating Hole Finder™
- I-Wheel™
- Smartplanner™ Wireline Simulation Software

Well Data

Directional Openhole

Hole Size

12.25 in (311.15 mm)

Open Hole Section

> 1500 ft (457.2 m)

Well TD

< 10,000 ft (3048 m)

AHF Ball Size

7.125 in (180.975 mm)

I - Wheel™ Type

XT, Integrated, ST



Download
AHF Data Sheet



Download
I-Wheel Data Sheet