

Global Footprint

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







Impact Selector products and services are subject to the Company's standard terms and conditions, available upon request or at impactselector.com. For more information contact an authorized Impact Selector representative. Unless noted otherwise, trademarks and service marks herein are the property of Impact Selector. Specifications are subject to change without notice. Impact Selector sells its products and services in accordance with the terms and conditions set forth in the applicable contract between Impact Selector and the client.