

Case Study – Indonesia

Continued Performance Reliability with the TrackMaster Select™ in Indonesia

One-trip sidetracks in East Kalimantan highlights a predictable, reliable performance in both 13³/₈ in. and 9⁵/₈ in. casing applications

CHALLENGE

A client required two successful single trip sidetracks in 13³/₈ and 9⁵/₈ inch casing. In both cases, an extended length rathole was required. The quality of the window created was also determined to be a critical factor in ensuring that the directional drilling bottom hole assemblies would not hang up when passing through the exit in the casing.

SOLUTION

Planned the use of the TrackMaster Select one-trip sidetracking system, with the optimized configurations required for the customers' specific objectives.

RESULT

- In both cases, a successful one-trip sidetrack was achieved
- The milling time was considered to be “best in class” for the location
- An extended length rathole was drilled in both cases
- The mills used were determined to be within allowable gauge diameter tolerances after the window and rathole were completed
- Subsequent directional drilling bottom hole assemblies passed through the window freely

Efficient Milling Performance and Delivery of a High-Quality Window on Two Sidetracks

Example 1

The TrackMaster Select™ system was configured with a hydraulic set, permanent packer style anchor. The window was milled in 9⁵/₈ in. casing, and an extended length rathole was drilled in a single trip in a total of 6.2 hours. The Tri-mill was determined to be within acceptable wear tolerances when inspected on the surface. The subsequent rotary steerable system bottom-hole assembly passed through the window easily.

Example 2

In the second example, a successful window was created in a single trip in 13³/₈ in. casing. The TrackMaster Select system was also configured with a hydraulic set, permanent packer style anchor. The full gauge window was milled, and an extended rathole drilled in a total of 18.3 hours. When the mill was inspected on the surface, the dress mill section was measured to be full gauge diameter. The subsequent directional drilling bottom hole assembly also freely passed through the window.

In both the above examples, the milling time was among the “best in class” for the location. The customer expressed high satisfaction and recognized a notable performance from Wellbore Integrity Solutions.

