



Location: Maari Field,
New Zealand

Customer: OMV

Well Type: 1,200ft true depth
(82 degree deviation)

Products/Services:

High Temperature /
High Strength Magnet

Case Study

Wellbore Cleanup and Debris Removal

Recovery of Magnetic Junk in High-Temperature Wells

The Challenge

The customer was completing a workover on a well when three control line/ESP cable clamps broke free whilst retrieving the completion back to surface.

Considerations

- The clamps were lost in 10 3/4-in casing with 82 deg deviation
- The well fluid contained approximately 3% KCl, however, the Peak High Temperature/High Strength Magnet is highly resistant to CO₂ and H₂S environments

Peak's Solution

Using a Peak 2.72-in OD High Temperature/High Strength Magnet, the service company working on the well at the time

managed to recover the clamp pieces in five tractor runs on e-line and, due to the powerful strength of the Peak Magnet, even retrieved two blocks and allen key bolts lost from an earlier clamp.

Value to Customer

Compared to other magnets available on the market, Peak's High Temperature/High Strength Magnet is particularly strong and can withstand prolonged exposure to very high downhole temperatures (500 deg F) without losing magnetic strength.

Peak's High Temperature/High Strength Magnet is available in a range of sizes (1.75-in up to 4.5-in OD) to suit the application and well geometry.



▲ High Temperature / High Strength Magnet

Product Code(s): SIM Retrievable Bridge Plug – 351, SIM Running Tool – 350

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