CORETRAX

Coretrax's DAV MX provides effective circulation technology to US geothermal land well

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Account Manager – Technical Sales



Introduction



Background

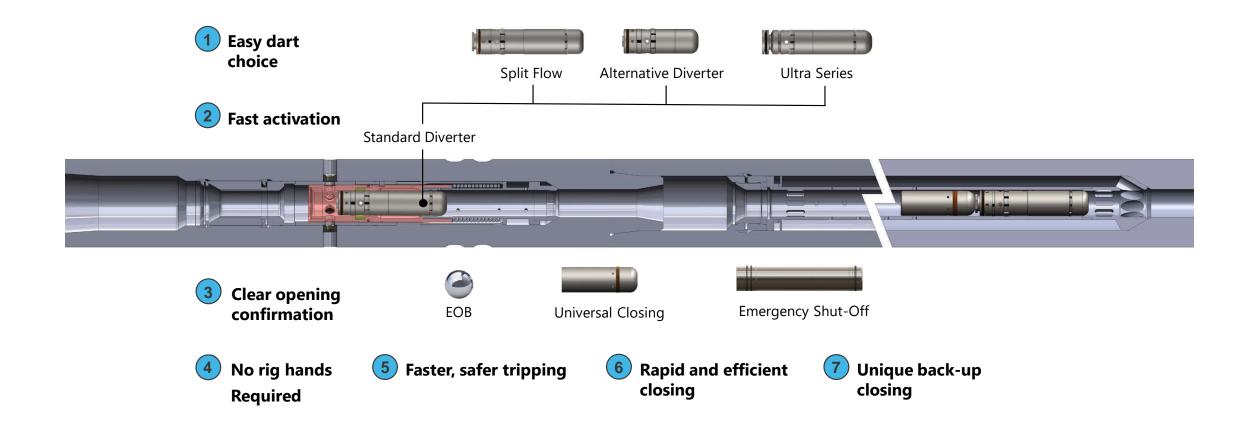
- A client in North America planned to drill a closed-loop geothermal wellbore
- Bottom hole temperatures were estimated at 400°C
- High temperatures increased risk of MWD Failure
- Risk of drill string pack off
- Need to reduce circulation through downhole motor to prevent casing damage

DAV MX Run History

- Over 3,000 Runs
- Rated to 250°C
- 115 + Clients: Majors, IOC, NOC, Private, Major Service Companies
- Oil and Gas, Geothermal
- Onshore and Offshore
- Overall Reliability % = 98.4%
 - 99.01% Activation Reliability
 - 98.24% Deactivation Reliability



DAV MX Circulation Sub Overview



DART SELECTION

Standard Diverter Dart



Spotting LCM
Dry Tripping
Poor AV

Jetting BOPs/Wellhead

Split Flow Dart



Hole Cleaning Self Filling Dry Tripping BOP / WH Jetting Reverse Circulating Poor AV

Alternative Diverter Dart



Special Applications
Jetting BOPs/Wellhead
Poor AV

Universal Closing Dart



Shear out activation dart to close the valve

Ultra-Series Standard Diverter Dart



Soft-shear High Speed Activation

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Emergency Opening Ball



Pack Off / Low Flow

Emergency Shut-Off Dart



Loss of seal integrity / Washout contingency

Execution

- Staged in hole using DAV MX for circulation and increased TFA
- Pumped down split flow dart with 250gpm
- Quickly and efficiently cooled BHA and borehole to 250°C
- Safely Reduced bit rotation and casing wear
- Successfully drilled through granite to reach TD at 18,000ft
- Proved economic feasibility resulting in additional funding to drill future wellbores



Thank You



Account Manager – Technical Sales

