Expro Excellence

Expro downhole video camera used for high temperature geothermal well intervention

Geothermal | Well Intervention

Objectives and background

- During routine pressure/ temperature logging, the incumbent service provider was unable to retrieve logging tools from the client's geothermal well (>300°F)
- Assuming there was a casing integrity issue, the client sought an alternative solution to running gauge rings or a caliper log

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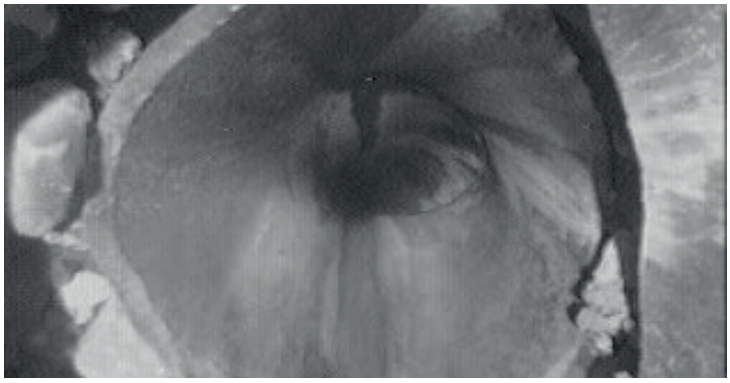
- Expro's high temperature downhole video camera was deployed to 971 feet (325°F) and confirmed the parted 13-3/8" casing, causing rock and cement entering the wellbore and trapping the logging tools
- Running additional logging tools could have potentially been caught in the split casing and either damaged or irretrievable

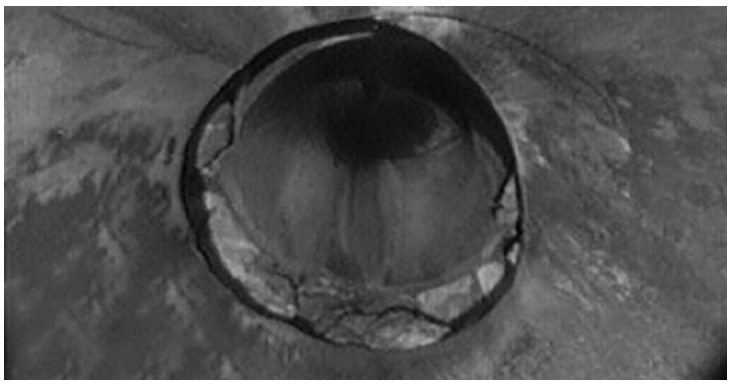
Value to the client

- Running the high temperature camera saved the client 16 hours of rig time and two runs downhole
- Visualisation of the parted casing provided detailed images of rocks and cement through the gapping split enhanced decision making for cost-effective remedial work
- The client now routinely deploys Expro's downhole video cameras within their maintenance program (up to twice a year in older wells) due to the fluids in geothermal wells being highly corrosive – invaluable data avoids costly repairs (for example, c. $1.5 million to repair the well or c. $5 million to cement the well)

Time saving

Cost saving





To find out more, contact **wellintervention@expro.com**
or visit **expro.com/sustainable-energy-solutions/geothermal-solutions**