

Project Overview

Thermite Plug

Technology company



Project sanctioned

August 2017

What is it?

A thermite plug to seal and abandon wells.

How does it work?

Creates a high temperature chemical reaction in the wellbore, leading to a molten metallic plug that melts the adjacent casing strings and on solidification fuses to the rock creating a barrier.

Key project milestones

- August 2017 – Build collaborative industry group
- December 2018 – Cross industry verification
- October 2017 – Field Trial
- March 2018 - Field Trial

Project background

- Collaborative approach
- 12 operators involved

Benefits/added value to industry

- Barrier placement and verification is a major challenge
- Plug and abandonment needs a new philosophy
- High potential contributor to reducing P&A costs by 35%
- Technique could unlock significant value

Design



Thermite Plug

High potential contributor to reducing P&A costs by 35%