ENSURE WELLBORE DRILLING ACCURACY AT GREATER DEPTHS

In Steam Assisted Gravity Drainage (SAGD) drilling operations, controlling the distance and direction between the injection and production wellbores can play a key role in success. Trican coiled tubing ranging services enables you to detect wellbore proximity while drilling to avoid collisions and ensure accurate spacing.

The ranging process involves a coiled tubing unit equipped with an internal electric line used to convey the ranging tool into the production wellbore, close enough to detect a signal on the Measurement While Drilling (MWD) tool located on the drilling BHA in the injection well. The ranging tool transmits an electromagnetic field that lets you know when you are getting too close or too far away from the injection wellbore.

Ranging is often done with wireline, however this method has depth limitations. With Trican coiled tubing services, e-coil is used to convey the ranging tools further and deeper into the reservoir than is possible with wireline, enabling you to ensure accuracy at greater depths.

DOWNHOLE TEMPERATURE GAUGE

The ranging tool has specific temperature limitations that must not be exceeded in order to provide accurate results. Incorporated into the cable head, Trican’s downhole temperature gauge is a temperature logging tool that provides real-time data to ensure conditions are within the ranging tool’s limitations. Additionally, in high temperature situations, this data allows you to limit the volume of fluid pumped into the wellbore to sufficiently cool the ranging tool, and prevent the active steam chamber from being overcooled.
TRICAN COILED TUBING E-COIL

- Allows fluids to be circulated downhole, unlike wireline
- Enables tools to be kept within maximum operating temperature by constantly flushing the tool to perform a heat exchange
- Prevents thermal shock in the steam chamber
- Cable rated to 260°C (500°F)
- Single and multi-conductor cables available
- Trained tool technicians for cable head installation and troubleshooting
- Can incorporate additional logging tools into the BHA if requested, as well as perform confirmation runs
- E-coil run on a conventional or mast coiled tubing unit
- Ability to run all third party ranging tools

For more information, please contact Trican Well Service.