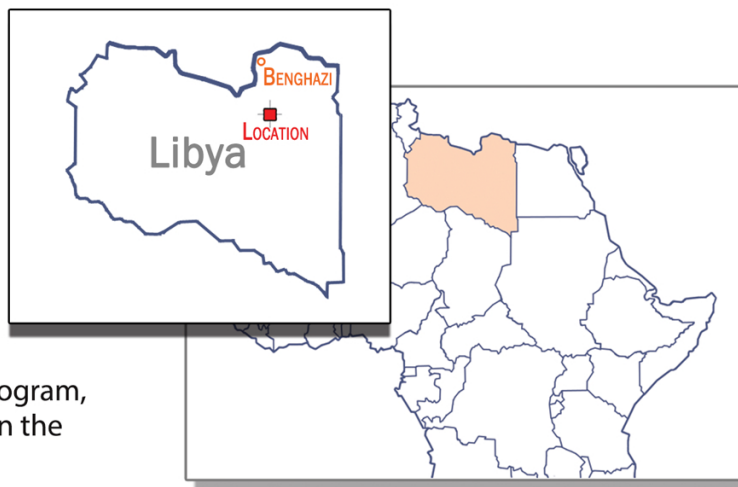


Serti Oil Company

Benghazi, Libya
 Beaver Lodge. AB

Longhorn was called out for our first trial well for Serti Oil Company in Libya, a customer of our MENA distributor Wildcat Oilfield Services. As part of the Longhorn training program, our personnel was dispatched to educate TNDE Oil Services in the proper procedures for our casing landing tools.



On Thursday morning, the 7" Stubby PDC Drillable tool was made up to the casing string and ran in hole. The area is prone to issues with swelling shale and bridges that often make it difficult to land casing at TD. Serti's trial well was a vertical application with a TVD of 1935 m (6350 ft), trouble was expected over the last 60 m (200 ft) of the well, where the shale formation had been giving the rig crew trouble while drilling. True to form, the casing run proceeded without issues until approximately 41 m (135 ft) from bottom, where the first tight spot was encountered. After circulating for half an hour, and with shale returns found at surface, the Stubby was employed. Initially, 6 to 12 inch gains were made through each stroke of the Stubby, but eventually dropped to negligible gains by the end of the second last casing joint. Modifying the running circulation pressure, the Stubby tool incrementally increased 12 to 18 inch gains over the last joint, and was used to effectively ream the section of swelling shales that generally prohibit casing from reaching TD. Over the course of the last joint, vast amounts of shale were circulated to surface as the Longhorn tool cleared the bridges and tight spots before landing the casing string at TD. The whole casing run took approximately 21hrs from start to finish.

The mood on lease after landing the casing string was extremely positive, and much acclaim from the drilling manager at Serti Head Office. That evening, TNDE Oil Services received a call from Serti Head Office praising the Stubby tool run, and indicated that they will be running future Longhorn equipment in various sizes. In the weeks following the run, an initial order of an additional 8 tools has been placed by Serti.

Run Summary

Client:	Serti Oil Company
Tool:	7" Stubby
Bit:	7" Casing Pilot
Target:	7" Intermediate Casing
Hole Size:	222mm / 8 3/4"
TVD:	1935 m / 6,350 ft

Total Run Time: 21 Hours

Noteworthy

The tool worked through a 135 ft bridge comprised of shale cavings. Vast amounts of shale were circulated to surface as a result of clearing the bridges and tight spots before finally landing the casing at TD.



LEFT: Serti's rig in the desert at dusk
 ABOVE: Stubby tool loaded on its way to the rig
 RIGHT: Stubby tool being put into the slips

