VERTECHS, SOUTH SICHUAN BASIN

USING CENTEK S2 ACHIEVED AN AVERAGE REDUCTION IN LINER RUNNING TIME OF 23% COMPARED TO USING THE PREVIOUS RIGID CENTRALIZERS IN SIMILAR HORIZONTAL WELLS

The rigid alloy centralizers were not strong enough to bear the side forces in horizontal wells. The welded bow spring centralizers also proved susceptible to damage and were unsatisfactory because they could not maintain restoring force in the open hole resulting in poor casing centralization and bad cementation.

THE PROBLEM
The rigid centralizers were metal alloy and failed to get to total depth. When the drill team pulled the casing out of the hole they found the rigid centralizers had broken and left fragments downhole.

THE SOLUTION
The use of Centek 5 1/2" x 8 1/5" S2 centralizers produced a reduction in torque and also drag. The surface area contact was reduced, coupled with improved stand-off ratios allowed the pipe to remain more central to the bore hole creating the optimum RIH conditions.

THE RESULT
The Centek S2 achieved an average reduction in liner running time of 23% or 11 hours per well, compared to using the previous rigid centralizers in similar horizontal wells. The average liner running time in this project was around two days.

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