

## Case History: Viceroy Petroleum. LLC

**Target:** Carbide Mill stuck on top of fish with loose carbide packed in annulus on top of the mill.

**Shoe Run:** 2.850" x 2.250" SXDS thinwall diamond shoe run on jointed pipe with 1000 to 1500 # WOB and 120-140 RPM.

**Result:** Total 14 hours cut all of loose WC and about 6" of mill carbide gage and released.

Wear on shoe about 20%

