

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 about 6" of mill carbide gage and released. (no progress at 500 #WOB)

Wear on shoe about 20%

