

## WATERMELON/STRING MILL



STRING MILL IS USUALLY POSITIONED IN THE DRILL COLLAR STRING FOR MILLING OUT TIGHT SPOTS IN CASING. THE STRING MILL (PLACED IN THE DRILL COLLAR STRING) IS REAMED UP AND DOWN OVER THE SIDETRACKING PORTION TO DEBAR AND CUT CLEARANCE FOR SUBSEQUENT CASING OR LINER OPERATIONS. THE STRING MILL IS DRESSED WITH TUNGSTEN CARBIDE MATERIAL.

WATERMELON MILL IS USED IN RUNNING THE SIDETRACKING SYSTEM. THE WATERMELON MILL IS USED IN THE SAME STRING WITH THE STUCKEY'S WINDOW MILL FOR SMOOTHING AND CUTTING CLEARANCE IN THE PACK-STOCK WINDOW. THE STRING MILL IS THEN ADDED TO THE STRING WITH THE TAPER MILL AND WATERMELON MILL TO MAKE A STIFFER CUTTING ASSEMBLY AND FURTHER OPEN THE WINDOW FOR SUBSEQUENT DRILLING OPERATION. ONCE AGAIN THE MILL IS DRESSED WITH TUNGSTEN CARBIDE MATERIAL.