

# PACKER ACCESSORIES

BARRACUDA OIL TOOLS. LLC

## HYDRAULIC DISCONNECT

The Hydraulic Disconnect Assembly allows the tubing string to be disconnected from permanent or retrievable tools, which must be left in the well. These tools are typically used in highly deviated or horizontal wells where tubing rotation is very difficult. In addition, these tools are used for coil tubing operations. Hydraulic pressure is applied to disconnect. No tubing rotation is required to operate this tool.

The Hydraulic Disconnect Assembly consists of two primary components. The lower portion of the tool is a lug nipple, threaded onto the bottomhole assembly (BHA). This nipple is disconnected from the running tool and remains down hole attached to the BHA. The upper portion of the running tool is the release coupling. This coupling remains latched to the lug nipple until pressure is applied to disconnect the tubing string from the BHA. When internal string pressure reaches a pre-determined value, based on the number of shear screws used, screws in the running tool are sheared. This causes the Shear Valve to shift, and the tubing string is disconnected at that point.

Tool OD	Tool ID	Thread
3.62	1.94	2-3/8 8RD
4.25	2.25	2-7/8 8RD
5.25	2.75	3-1/2 8RD

