Abstraact of the Disclosure

IMPROVED RAM BORE PROFILE FOR VARIABLE BORE PACKER RAM IN A RAM TYPE BLOWOUT PREVENTER

An improved ram bore profile for use with a variable bore ram packer designed for use in a standard ram-type blowout preventer used in oil and gas drilling operations is disclosed. The improved ram bore profile in the ram body is a substantially U shaped cutout in the front face of the ram body. The U shaped ram bore profile extends between the upper surface and lower surface of the ram body. The substantially U shape of the improved ram bore profile is further characterized by having an arcuate rear portion with a pair of diverging sides that extend outwardly toward the front face of the ram body to a front throat that intersects perpendicularly the front face of the ram body. The improved ram bore profile is capable of being used with variable bore packers of different configurations.

Fig. 1