

HORIZONTAL SLOTTED LINER ASSEMBLIES

MODEL HS STEEL THERMAL LINER PACKER

When running long horizontal or highly deviated slotted liners in steam flood applications, Chancellor recommends the model HS Steel Seal Liner Top Packer with the Model HLTP Hydraulic Setting Tool and the Model HR Hydraulic Release tool. These hydraulic setting tools feature complete hydraulic packer setting and hydraulic straight pull release where mechanical setting and release is sometimes difficult or impossible. The liner can be circulated and rotated in tension, compression, and neutral while running in the hole. The HS Liner Top Packer works remarkably well for thermal wells where liner expansion and contraction and steam cutting often cause other seal elements to fail. The metal to metal seal element will maintain a full circle contact seal through such cycles. The seal has been field tested to 1200 psi. The HS can also be provided with hanger or hold down slips. U.S. Patent No. 4,796,786 has been given to this invention.

The HS Liner Top Packer with the HR//HLTP setting tool can be run in assembly with a circulating shoe and inner tubing string providing for the ability to circulate while running in the hole or well bore change before and/or after the Packer seal element is set.

After circulating, a setting ball is dropped down the drill pipe and conventionally pumped to hydraulically set the liner top packer. The ball lands in a seat below the packer or within the the tubing string. The hanger/packer starts to set at 1000 Psi. The setting tool releases at 2000 Psi. 2000 Psi will put sufficient setting force (43,000 lbs for 9 5/8") on the packer element. 3000 Psi shears the ball seat to allow for bypass circulation. The setting tools are released with straight pick up. A mechanical emergency release is available with LH rotation. Conventional circulation can resume after set and release.



MODEL HS

MODEL HR/HLTP