

# GRAVEL PACKED LINER MODEL DP1 DRILL-IN ADAPTER

Chancellor Drill Pak is a method of drilling in a liner and gravel packing down the backside in one trip. These tools were developed by combining Chancellor's "tight" Drill-in liner assembly with a stinger and backup circulating valve, and modifying the hydraulic drill-in adapter with circulating ports. The Drill Pak assembly can be made up with a bit or under reamer (optional) on bottom.

The liner is drilled in to depth using foam, mud, or other drilling fluids. Normal drilling procedures apply. With the liner on bottom, and the hole changed over, the first setting ball is dropped to open up the bottom stinger valve. Reverse circulating is established followed by normal gravel packing procedures. After gravel pack is complete, the releasing ball is dropped down the drill pipe to release the DP1 hydraulic setting tool. Ports are now open to circulate excess gravel off liner top. The setting tools are pulled out of the hole, and the drive over Sand Control Adapter is run to seal off the casing/liner annulus.

The Chancellor Model DP1 Hydraulic Drill-in Adapter was developed to drill in the liner and circulate excess gravel after the backside pack is complete. It was specifically designed for excessive torque.

## THE FEATURES INCLUDE:

- > A maximum drilling torque of up to 15,000 ft-lbs.
- > A completely sealed setting tool to preclude the passage of fine sands into the hydraulic components of the setting tool.
- > Right hand rotation release for setting tool.
- > A fail safe hydraulic release for drive mechanism. Upon reaching T.D. a ball is dropped to shear out the piston to retract drive dogs and open circulating ports.
- > Ability to drill-in with any circulation fluid.
- > Simplicity and fail-safe operation is compatible with standard drill-in practice and equipment.

The hydraulic setting tool and drill-in adapter are delivered to rig site as a complete unit with drive dogs of setting tool in the mating grooves of the drill-in adapter.



MODEL DP1 HYDRAULIC DRILL-IN  
ADAPTER WITH SETTING TOOL  
ENGAGED WHILE DRILLING



HYDRAULIC SETTING  
TOOL