Flow Control Hanger (FCH)

Reliable Sealing Through Thermal Liner Movement

Thermal expansion and contraction can cause liner movement, steam bypass, uneven steam distribution, equipment failures, and costly workovers.

Core Design's Flow Control Hanger (FCH) works with a matched Polished Bore Receptacle (PBR) to maintain a continuous pressure and debris seal while allowing the production liner to move freely during thermal cycling.

The hardened steel seals resist washing, high temperatures, and pressure. They are set using string weight only, with no hydraulic or mechanical seal activation required.

Applications:

- Thermal steam injection wells requiring reliable heel isolation.

Key Advantages:

- Continuous seal during thermal movement
- Hardened steel, positive-memory seals
- Reduced steam bypass and workover risk
- Simple, weight-set deployment

Specifications:

Casing:	6.625", 20#, L80
Thread:	Modified High Torque
Joint Yield Strength:	459,000 lbs
Max Operating Torque:	8,600 ft/lbs
Yield Torque:	18,000 ft/lbs
Rupture Pressure:	6,090 psi (42 MPa)
Tool OD:	8.619"
Tool ID:	5.98"

CORE DESIGN
MOVING ENERGY

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