



Description

The Select Energy Systems Concentric Flow Packer is a coiled tubing deployed packer system designed to allow three zones to be segregated and produced through two separate flow paths. Where the lower and upper zones are of like formation and are allowed to be commingled (eg. CBM), the bottom packer arrangement provides segregation between the lower and middle zones, while allowing the lower zone to have a flow path through the packer system and into the annulus above the top packer. The top packer provides isolation between the middle and upper zones. The lower and upper zones are then produced via the casing annulus. The middle zone flows through the path provided in the Crossover Flow Sub and is subsequently produced via the coiled tubing string. The spacing required between the upper and lower packer assemblies is provided using coiled tubing. The design of the packer is such that deployment and recovery are achieved in live well conditions, regardless of spacing length, and requires no exotic deployment/recovery equipment at surface. Coiled tubing sizing is dependent on well flow capability.

Applications

- As an upper production packer in a tri-zone completion.

Features & Benefits

- Bottom hole zone segregation to monitor and control production.
- Isolation of a specific zone without separation from adjacent production.
- Live well coiled tubing or small jointed tubing deployment and or retrieval.
- Compact design.
- Spacing between upper and lower packers is provided using coiled tubing.
- Maximized flow area through the internal bypass.
- Built-in downhole shear disconnects to ensure reliable retrieval of completion string.

Specifications

Coiled Tubing Sizes (in. / mm)	Tool OD (in. / mm)	Tool ID (in. / mm)	Temp. Rating (°F / °C)	PSI (MPa)
1 (25.40)				
1.25 (31.75)				
1.5 (38.10)	4.5 (114.3)	1.25 (31.75)	-40 - 275 (-40 - 135)	3000 (21)
1.75 (44.45)				
2 (50.80)				
2.375 (60.32)	5.5 (139.7)	1.75 (44.45)		
2.875 (73.02)				