

Tracer Sliding Sleeve

Description

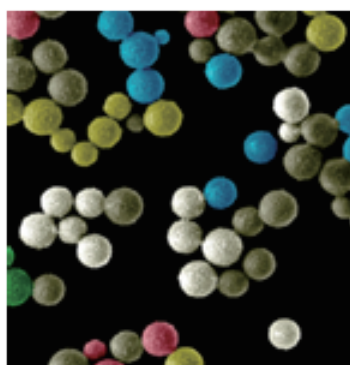
The tracer sliding sleeve is ball activated. Injection / production port incorporates a unique tracer unit consist of quantum dots. The sleeve has two flow paths. The frac port can be opened by a ball, while a ball with different size can activate production channel and close frac channel simultaneously. The tracer unit with different quantum dots can be placed in sliding sleeves. Each tracer unit is provided with unique marker code. The markers of the corresponding signature will be identified in the production fluid samples. Laboratory sample testing quickly identify fluid content (oil, gas or water) from each section.

Applications

- Open hole and cased hole
- Horizontal and vertical wells
- HPHT and acid frac
- Selective stimulation

Features

- ball seat is drillable, pipe string maintain full-bore after drilling
- Wear-resistant ball seat prevent high displacement and eliminates erosion.
- Dissoluble ball is available
- Tracer unit can detect formation fluids from different producing intervals
- Outstanding sensitivity of the quantum dots results in high accuracy of identification
- High sustainability of tracer unit ensure 2-3 years of service period
- over 40 unique signature of quantum dots can meet the modern requirements of multistage production
- Tracer unit temperature rating: 350 °F, pH: 1-14, salinity range: <300,000 mg/L
- Tracer unit is environmentally friendly



Specifications

Size	OD	Temp. Rating	Working Pressure	Material	Activated pressure	Connection	Ball material
3 1/2"	4.370"	300 F	10000psi	P110	2500-3500psi	Premium	Composite / Degradable
4 1/2"	5.630"	300 F	10000psi	P110	2500-3500psi	Premium	Composite / Degradable
5 1/2"	7.795"	300 F	10000psi	P110	2500-3500psi	Premium	Composite / Degradable