AsphaltSorb ISP asphaltene solid inhibitor additives

Providing long term flow assurance and mitigating intervention costs for offshore wells

Applications

- On- and Offshore oil wells

Features and benefits

- Reduces intervention costs
- Minimizes down time due to asphaltene build up
- Inhibits downhole deposition
- Treats oil before reaching the near wellbore area
- Compatible with common mix water and stimulation additives
  - Facilitates logistics and testing requirements and reduces associated costs

Inhibit downhole deposition

The Baker Hughes **AsphaltSorb ISP asphaltene solid inhibitor additives** are proppant-like controlled-release additives that slowly desorb from the proppant pack to provide immediate and long-term protection against asphaltene deposition. AsphaltSorb ISP treatments minimize the risk of lost production and can significantly delay expensive interventions in deepwater.

Baker Hughes is the only frac vessel supplier in the Gulf of Mexico that has a controlled-release solid designed to be pumped with the frac pack slurry. This product provides excellent long-term protection against asphaltene deposition and can reduce the downtime caused by asphaltene buildup in the near wellbore without conductivity losses at increased loadings. Controlled-release provides a cost effective long-term flow assurance solution by only allowing a certain amount of chemical to be released for asphaltene control, preserving the rest of inhibitor for subsequestnt release.

The AsphaltSorb ISP family of product is used as a mixture of coated and uncoated particles for longer protection of the well.

Materials compatibility

Compatibility testing is recommended prior to the job.

Safety and handling

Before handling, storage, or use, review the Safety Data Sheet (SDS) for guidance.

Typical properties		
	AsphaltSorb 150	AsphaltSorb 150M
Sizes available	20/40 and 30/50 mesh	20/40 and 30/50 mesh
Bottomhole temperatures	Up to 400°F (204°C)	Up to 275°F (135°C)
Bulk density	93-97lbm/ft^3	86-99 lbm/ft^3
Specific gravity	2.5-3.0 (20/40) 2.2-2.8 (30/50)	2.5-3.0 (20/40) 2.2-2.8 (30/50)
Closure stress range	Up to 14 kpsi depending on size and loading	Up to 14 kpsi depending on size and loading