LiteProp 108 Ultralightweight Proppant

Improve productivity with more effective fracture area

Applications

- Unconventional reservoir, such as coalbed methane, tight gas, and shale

Features and benefits

- Ultralightweight
  - Maximizes proppant transport and effective fracture length compared with conventional proppants
- Approaches neutral buoyancy in fresh water
  - Enables placement of a proppant partial monolayer with high conductivity
- Fills 250% greater volume than an equivalent mass of Ottawa sand
  - Simplifies logistics
- Robust Material
  - Provides long service in harsh reservoir environments
- Near-perfectly spherical beads with smooth surface
  - Minimizes friction and surface horsepower requirements
- Does not crush, chip, or break
  - Minimizes migrating fines due to proppant crush
- Non-abrasive
  - Will not damage tubing or surface equipment during use

LiteProp™ 108 ultralightweight proppant (ULWP) from Baker Hughes controls proppant is a proprietary low-density proppant with a specific gravity approaching that of water. Transport of LiteProp 108 ULWP in fracture fluid is extremely efficient, and inherently slow settling rates provide optimal fracture height coverage. LiteProp 108 ULWP can be applied in a proppant partial monolayer and provide high fracture conductivity.

LiteProp 108 ULWP improves logistics and economics by producing a greater equivalent effective fracture with fewer pounds of proppant than would be required with sand.

When used in horizontal openhole gravel-packing operations, LiteProp 108 ULWP extends effective screen coverage.

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	
Specifc gravity	1.06 g/cm3
Bulk density	0.66 g/cm^3 (41.2 lb/ft^3)
Maximum BHST	270°F
Maximum Closure Stress	8000 psi
Sphericity and roundness	Both >0.9 Krumbein
Crush resistance	>8 kpsi (fines <0.5%)
Acid solubility7	<1%
Turbidity	26
Mesh sizes	14/40, 30/80