

## FloMax SSC®

### SUPERIOR SAND CONTROL FOR GRAVEL PACKS

WHERE PRODUCTION MEETS POTENTIAL

#### SUPERIOR SAND CONTROL FOR ENHANCED WELL PERFORMANCE

The introduction of ultra-lightweight (ULW) particles for gravel pack was deemed a “Quantum Leap in Horizontal Gravel Pack Technology” (SPE 94945). The development of FloMax SSC™ with a specific gravity of 1.06 in a stable nanocomposite co-polymer bead provides the operator with sand control placement not previously achievable. FloMax SSC™ can be placed in higher volumes with lower pumping rates and less fluid volume allowing the operator to achieve both production and economic goals.

The spherical form of FloMax SSC™ accomplishes the primary goal of formation retention and sand control providing an optimum flow path around a smooth surface for the produced fluids to reach the well bore unrestricted. The challenges for production companies in the years to come will be to drill deeper, in higher temperature environments and to drill further horizontally into producing formations. Gravel pack placement issues need a solution (SPE 98298); FloMax SSC™ provides it.

FloMax SSC™ is durable, not acid soluble, will not crush or break forming production restricting fines and contaminating the effluent stream.

Advantages of FracBlack® ULWP Over Conventional Proppants:

- Tested for 1,000+ hours under constant pressure and heat with no breakage
- Chemically inert, physically smooth and spherical.
- Deformable - does not crush, chip, break, or generate migrating fines like sand proppants.
- No dust during handling for improved HSE compliance.
- Non-abrasive - will not damage tubing, pumps or surface equipment during application or production.
- Manifests excellent dissipation of static electricity, facilitating ease in handling.
- No sticky resin coatings to impact fluid performance, pumping, or production equipment.



#### Technical Data:

##### API RP 19C/ISO 13503-2:

- Specific Gravity 1.054g/cm<sup>3</sup>
- Bulk Density 41.2 lb/ft<sup>3</sup>
- Absolute Density 65.8lbs/ft<sup>3</sup>
- Sphericity & Roundness >0.9
- Acid Solubility < 1%
- Turbidity 26
- US Mesh Sizes 14/40, 30/80 & Other by specification
- Median Diameter (mm/in)
  - 14/40 0.762/0.030
  - 30/80 0.313/0.012
- Crush Resistance > 8 Kpsi
- Fines Generation <0.5% @ 8000 psi

##### API RP 19D/ISO-13503

- Reference Conductivity:
  - 0.02 lb/ft<sup>2</sup>, 250°F, 6000psi, 50hrs
  - 14/40 121 mD-ft
  - 30/80 482 mD-ft

\*Proptester™ Report 400-16-08-15-02-J

#### Application Recommendations:

- BHST Maximum\*\* 275°F

\*\*Well conditions exceeding recommendations should be considered on a case by case basis

Enhancing Your Value Horizons

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