

CHEMICAL IP

CHEMISTRY / SYSTEMS / SCALE

CORE PRODUCT CATEGORIES / COMPLETION SYSTEMS

Completion & Frac Chemistry

PolyVelocity™, EcoFlow™, MineralLock™, and
StructuraGel™.

Build completion chemistry for difficult water and cost-per-barrel performance.

APPLICATION • PROOF • COMMERCIAL SCALE



01 / 04



COMPLETION & FRAC CHEMISTRY / 01

A coordinated product set

Each family addresses a different constraint in the completion fluid system.

POLYVELOCITY™

Inverse-emulsion friction reducers and harsh-water polymer options.

ECOFLOW™

Surfactant and flowback support concepts.

MINERALLOCK™

Clay and shale stabilization programs.

STRUCTURAGEL™

Synthetic gel and rheology platforms for selected completion duties.

The final treatment package depends on actual water, fluid design, and equipment conditions.



The qualification path

A high-performing lab polymer must survive the whole field system.

ACTUAL-WATER SCREEN

Compare performance across intended fresh, recycled, and high-TDS waters.

LOOP PERFORMANCE

Measure friction reduction and dose response at relevant flow and shear.

COMPATIBILITY

Check additives, biocides, breakers, proppant, and field dilution.

DELIVERED ECONOMICS

Compare active dose, freight, make-down, reliability, and customer cost per treated barrel.

Reported dose and savings claims are specific to the grade and water tested.



Manufacturing strategy

Match product concentration and production location to delivered economics.

REGIONAL PRODUCTION

OFI and future modular options can reduce supply distance and lead time.

FORM SELECTION

Emulsion, dry, or hybrid systems are screened for total cost and handling.

QUALITY

Control polymer consistency and release against application measures.

SCALE

Advance from bench to pilot to protected regional supply.

High-solids and novel product forms remain development paths until qualified at scale.