



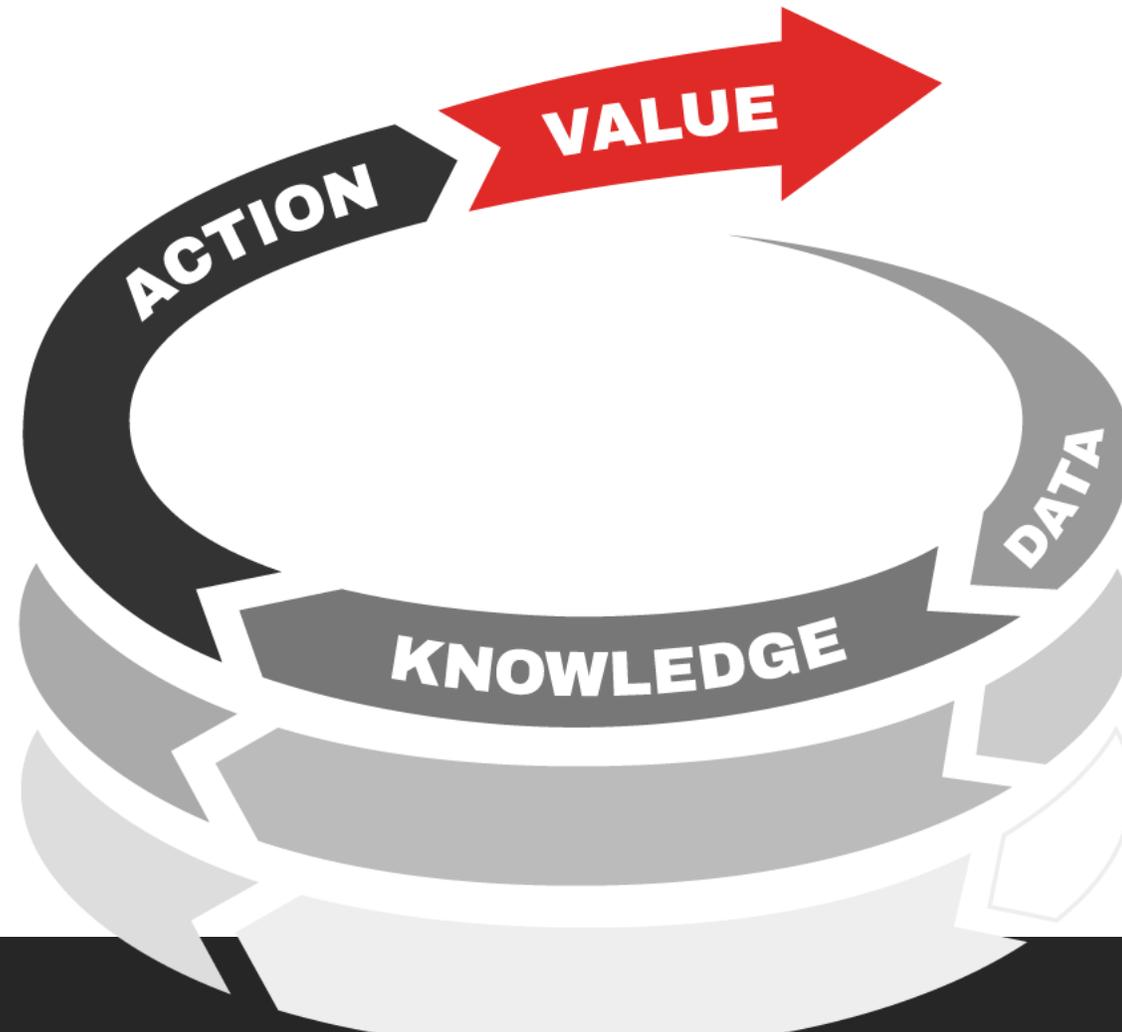
Liberty Engineering Solutions

Overview



Engineering Solutions

A Focus on Data and Creating Value for our Customers



Engineering Solutions

“Always Spiraling Up”

Proppant Selection

- Conductivity Testing
- Regained Permeability Testing

FracRx

- Surfactant Selection
- Biocide Selection & Post-Frac Monitoring
- GreenSelect
- Spirit Fluid System™
- HVFR Selection
- PowderFR
- Spearpoint
- SafeBuffer
- GreenFrac
- Scale Selection
- ClayTreat Selection

Real-Time Analysis

- DFIT Support & Analysis
- RT Design Refinement
- Stepdown Test / Perfs Open Analysis
- WellWatch™ Real-Time Monitoring
- Dynamic Diversion

Production & Economics

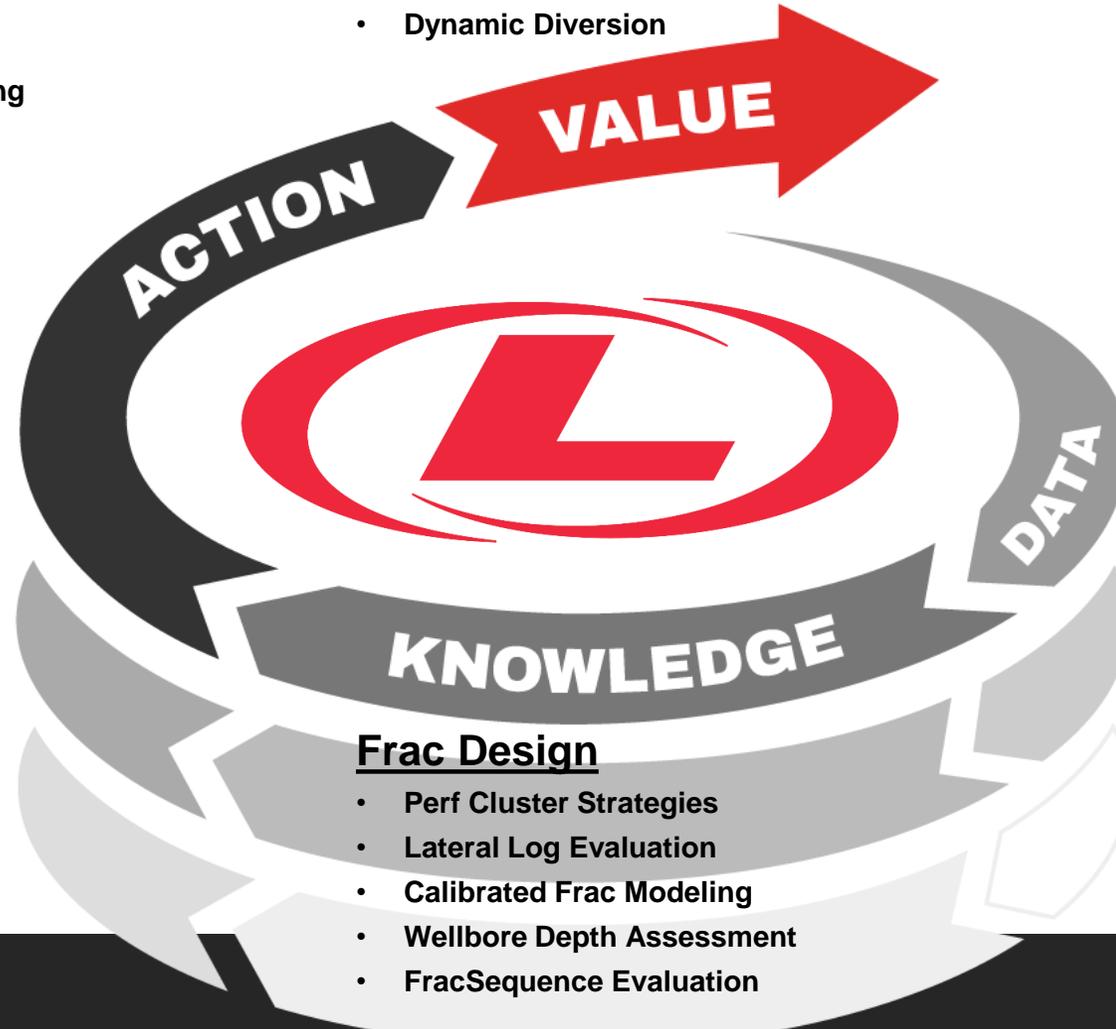
- Fraconomics™
- Integrated Frac & Production Modeling
- WellWatch™ Well Spacing Evaluation

Area Assessment

- FracTrends™
- LibertyMVA™
- Better Well Consortium
- Rock Quality Assessment
- FracTrendsNP

Frac Design

- Perf Cluster Strategies
- Lateral Log Evaluation
- Calibrated Frac Modeling
- Wellbore Depth Assessment
- FracSequence Evaluation





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