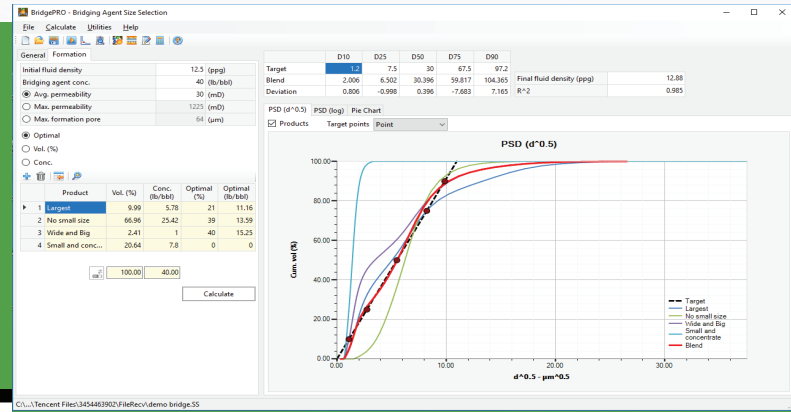


BridgePRO

Bridging Agent Design & Sizing

Optimize bridging agents for maximum reservoir protection



Particle Size Distribution (d*0.5)

OVERVIEW

Protecting the pay zone from damage is critical to realize the full potential of any well. Reservoir drill-in fluids (RDF) are designed to prevent formation damage due to fluid invasion and solids plugging. A poorly designed RDF may react with the formation fluid creating blockage or restriction for the natural flow of the reservoir. A large range of undesired solid particles from drill solids, fluid chemicals, and clay viscosifiers may end up plugging the reservoir pores. The technique for designing a non-damaging RDF is to start with selecting bridging agents with an ideal size distribution to effectively seal the formation surface.

LINQX (following its acquisition of Pegasus Vertex) has developed **BridgePRO**, a bridging agent size selection software that aids in the determination of the optimum calcium carbonate blend to achieve maximum bridging of sandstone reservoirs. The software optimization is based on specific formation characteristics and the particle-size distribution of available grades of calcium carbonates.

KEY BENEFITS

Improved Decision-Making

- Provides a scientific and data-driven approach to selecting bridging agents, allowing operators to make informed decisions based on specific formation data and particle-size distributions. This improves the

Cost Efficiency

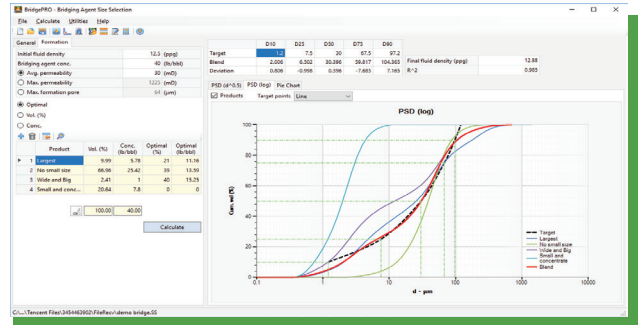
- Reduces the need for costly remedial measures by preventing formation damage and ensuring efficient well operations.

Optimal Bridging Agent Selection

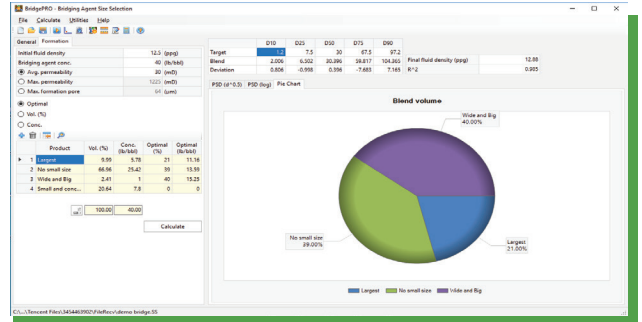
- Ensures the ideal size distribution of calcium carbonate to effectively seal the formation surface, preventing damage and plugging.

KEY FEATURES

- Optimize blending of bridging agents
- Bridging agent size selection analysis
- 3 calculation methods: Optimal, Volume percentage, and Blend concentration
- Optimal volume percentage calculation for a maximum of 5 bridging agents
- ECD and pressure
- Particle size distribution (PSD) database
- Target set by permeability or pore size
- Optimization by volume or concentration
- Sensitivity study
- Microsoft Excel®, Word®, and PDF® report
- US oil field, SI, and customized units



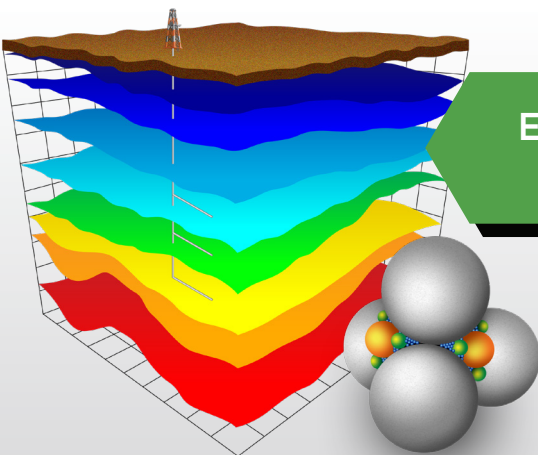
PSD Log



Pie Chart

Product					Size	
	Code	Name	Group	SG	Size (μm)	Vol. (%)
1	B	B	Group bbb	2.2	0.289	0
2	C	C	Group bbb	2.33	0.344	0
3	F	F	Group bbb	1.2345	0.409	0
4	G	g	Group DDD	0.001	0.486	0
5	J	J	Group DDD	4.5	0.578	0
					0.688	0
					0.818	0.34
					0.972	0.43
					1.156	0.55
					1.375	0.71
					1.635	0.95
					1.945	1.21
					> 2.112	1.41
					Vol. total (%)	100.00

Bridging Agent Database



ENSURE YOUR DRILL-IN FLUIDS SEAL EFFECTIVELY

Model with BridgePRO—Request Your Demo Today

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