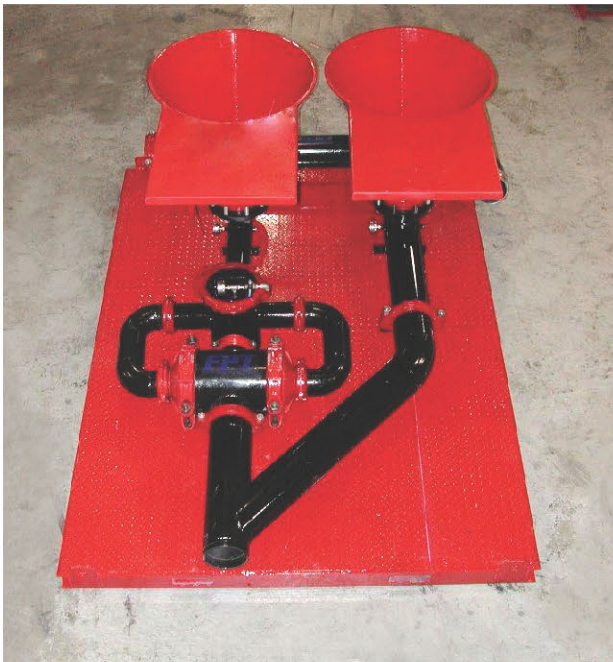


- ✓ **Lower mud cost per foot**
- ✓ **Higher drilling performance**

AquaShear™ drilling fluid mixing technologies with single- and dual-hopper feeders are a significant enhancement to JST's ZNPT Drilling Performance Packages because they lower the total cost of operation and reduce NPT and ILT (invisible lost time). How?



- Near-instantaneous hydration, dispersion, mixing, blending, and shearing of DF additives reduces product volume and delivers more stable drilling fluid volumes.
- Up to 20 percent less volume of additive products is needed per well.
- Rig time associated with mixing and equipment maintenance is reduced by 50%.
- Eliminates sludge at the bottom of tanks, so cleanout times and costs are lower.
- Easily mixes high volumes of lost circulation materials with no particle clogging.
- No need to continuously adjust fluid properties to maintain viscosity levels for effective hole cleaning and high rates of penetration.

Operators who replace traditional agitators and mixers with a rented AquaShear mixer will achieve near-instantaneous hydration, dispersion, mixing, blending and shearing of additives to eliminate fisheyes, viscosity humps, and angel hair. These units optimize powdered mud additive yield and oil mud and packer fluid emulsions. And there is no loss of undissolved materials across the shakers.

With no moving parts and 15 min of maintenance per month, these units save several tens of thousands of dollars per well in fluid management costs. Bottom line, operators and drilling contractors have proven lower mud cost per foot and higher drilling performance using AquaShear technology.



