

HI-WATE

EXTREME DENSITY WEIGHT MATERIAL

DESCRIPTION

HI-WATE is a finely-ground naturally occurring lead sulfide mineral (Galena) having a specific gravity of 6.7 to 7.0.

APPLICATION

HI-WATE is used for controlling blowouts where mud densities in excess of those obtainable with baryte are required.

RECOMMENDED TREATMENT

Formulas for preparing one bbl HI-WATE slurries.

<u>SLURRY WEIGHT</u>	<u>24.0 ppb</u> <u>(2.87 kg/L)</u>	<u>28.0 ppg</u> <u>(3.35 kg/L)</u>	<u>32.0 ppg</u> <u>(3.83 kg/L)</u>
Water, bbl	0.57	0.49	0.48
Mesuco Gel or Ben, ppb	8.0	3.0	2.0
Soda Ash, ppb	1.4	1.8	2.2
Mesuco Phos, ppb	0.75	0.75	0.75
Ultracel, ppb	0.1	0.1	0.25
Mesuco-Bar, ppb	329.0	284.0	-
HI-WATE, ppb	480.0	723.0	1,178.0
Approx funnel viscosity, sec/qt	70-75	70-75	75-80

SAFETY

HI-WATE slurries are designed for fluids to be spotted or pumped to control a blowout or a threatened blowout. The system is not designed to be used as a drilling or circulating fluid.

MISCELLANEOUS

Prices and delivery schedules are available from any Messina office, agent or distributor.

HI-WATE is a Messina trademark