

# WATERWELL MIXING CHART

COARSE SOILS		
DRILLING CONDITIONS	RECOMMENDED CETCO PRODUCTS DOSAGE PER 100 GALS FRESHWATER	VISCOSITY
SAND	SODA ASH 0.25-0.5 LBS  AND  SUPER GEL-X (NSF) 25-30 LBS	40-50
SAND & GRAVEL	SODA ASH 0.25-0.5 LBS  AND  SUPER GEL-X (NSF) 25-30 LBS  AND  REL-PAC/REL-PAC XTRA LOW 0.5-1 LBS  IF RECYCLING  SUSPEND-IT 0.5-1 LB (TO CARRY UP LARGE SOIL PARTICLES LIKE GRAVEL)	50-70

REACTIVE CLAYS OR UNKNOWN		
DRILLING CONDITIONS	RECOMMENDED CETCO PRODUCTS DOSAGE PER 100 GALS FRESHWATER	VISCOSITY
NOT RECYCLING  CLAY	SODA ASH 0.25-0.5 LBS  AND  SUPER GEL-X (NSF) 10-15 LBS  AND  INSTA-VIS PLUS (NSF) 0.5-1 QT  OR  ACCU-VIS (NSF) 0.5 QT	35-40
RECYCLING  CLAY  STICKY CLAY  SWELLING CLAY	SODA ASH 0.25-0.5 LBS  AND  SUPER GEL-X (NSF) 10-15 LBS  AND  INSTA-VIS LOW VISCOSITY 0.25-1 LB	35-40

1. MAKE-UP WATER – Add SODA ASH at a rate of 0.25 TO 0.5 LBS per 100 GAL freshwater to adjust pH to 8.5-9.5.
2. Marsh Funnel viscosity measured in seconds per quart.
3. Ample pump rates for coarse and fine/reactive soils are necessary to maintain bore stability and flow. SUPER PAC at 0.5-1 QT/100 GAL can be substituted for REL-PAC.

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