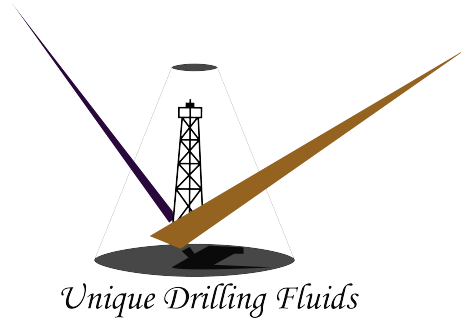


# UNIQUE DRILLING FLUIDS



## PRODUCT DATA

**UDF, INC.**  
**1700 COMMERCE ST. STE 414**  
**Dallas, TX 75202**  
**T:214-741-1100**  
**F:214-741-1755**  
**W:www.uniquedrillingfluids.com**

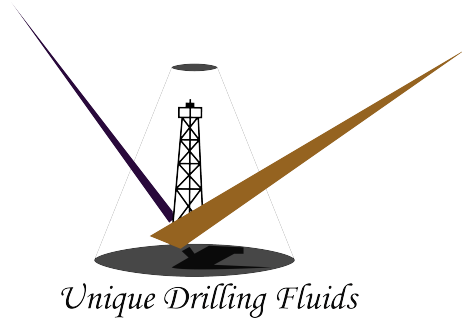
### CD-U5-L/CD-U5-P

**CD-U5-L** is UDF's liquid dispersant, which provides turbulent flow properties in cement slurries. The chemistries rely on the sulfonation of polymeric matter, which is useful at reducing the apparent viscosity and improving rheological properties of the cement slurry (pump ability). It is effective in improving these characteristics in API cement slurries with salt concentrations less than 18% by weight of water. It can also be supplied as a solid (powder) and or and applied directly to the slurry.

#### LABORATORY DATA and TREATMENT

CONSTITUENTS	BASE	TREATED
API CLASS G CEMENT	700g	
FRESH WATER	308g	
CD-DFOAM-L		0.5ml
CD-U5-L		0.2gal/sk

# UNIQUE DRILLING FLUIDS



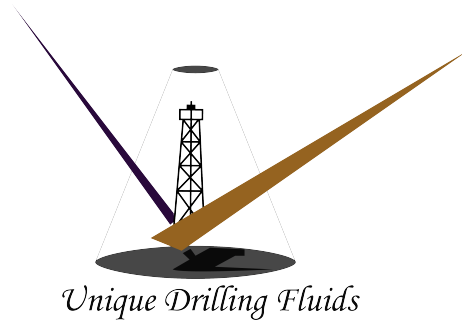
## PRODUCT DATA

CRITICAL VELOCITY @ 125 F	1.29	0.64
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**Table 1.** Comparison of base vs treated slurry at 15.8 ppg for critical velocity using CD-U5-L cement dispersant.



# UNIQUE DRILLING FLUIDS



## PRODUCT DATA

**FIGURE 1.** The picture reflects the reduction in apparent viscosity and the ease of pouring of the cement slurry after treatment with **CD-U5-L**.

### Discussion

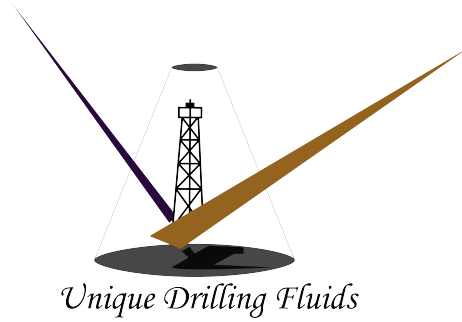
In the above data, **CD-U5-L** dispensability application is exhibited by its critical velocity. The lower the critical velocity (0.64) the more dispersible the system (cement slurry) becomes and the more pumpable the slurry will be. It is obvious that excessive viscosities make for a difficult cementing job so UDF technical division recommends this dispersant to cure your viscous slurry's.

### PROPERTIES

- Brown Liquid (33% solution)
- Specific Gravity – 1.16
- Bulk Density – 9.70 lb./gal.
- Absolute Volume – 0.1035
- Packaged in 5 gallon pails and 55 gallon drums
- Water Requirements – none
- Loading Rate – 0.15 to 0.44 gal./sk (0.56 to 1.67 L/sk)

QUALITY AMERICAN CHEMICALS

# UNIQUE DRILLING FLUIDS



## PRODUCT DATA

### PACKAGING

**CD-U5-L** is packaged and can be shipped in 55 gal/208 l drums. Other packaging is available at our clients request.

[www.uniquedrillingfluids.com](http://www.uniquedrillingfluids.com)  
**"GIVING THE WELL WHAT IT NEEDS"!**