



Visco Elite

Product Description:

Houston Chemical's **Visco Elite** is a very powerful elastomeric polymer used as a viscosifier in water-in-oil emulsion drilling fluids and other oil based systems. It is extremely effective in viscosifying diesel and other aromatic hydrocarbon solvents as well as the low aromatic mineral oils and other paraffinic and naphthenic hydrocarbons. For many wells, particularly deep hot wells, relatively large amounts of the organophilic clays must be used to be effective. Excessive solids in the mud can lead to problems such as high plastic viscosity, and result in mud circulation problems.

Features:

- Temperature Stability in excess of 400° F
- Environmentally safe
- Compatible with other oil mud additives
- Can be used with or without conventional oil viscosifiers
- Concentrated dry product- low treatment levels
- 1 lb can replace up to 9 lbs of organophilic clay
- Will not burn out so there is a significant reduction in usage

Suggested Treatment:

Typical treatments are 1-2 lb/bbl in conjunction with organophilic clay. It is suggested that **Visco Elite** be added in small increments and allowed to yield for several circulations before adding additional product. The rate at which **Visco Elite** yields depends on the type of oil, fluid temperature and the amount of shear.



Test results: (in accordance with API RP 13)

Results **without** Houston Chemical's **Visco Elite**

Mud Sample (T°F)	(150°F)	(400°F)
RPM		
600	71	47
300	42	22
200	31	13
100	21	7
6	11	2
2	10	1
Plastic Visc.	29	25
Yield Point	13	-3
Gel Strength	13/39	1/1

Results **with** Houston Chemical's **Visco Elite**

Mud Sample (T°F)	(200°F) 1.06 lb/bbl	(400°F) 1.5 lb/bbl
RPM		
600	109	111
300	68	62
200	41	45
100	23	25
6	4	3
2	3	2
Plastic Visc.	41	49
Yield Point	27	13
Gel Strength	3/8	2/4