



# OIL AID-WG-20

## WATER GELLANT

### DESCRIPTION

OIL AID-WG-20 is a high molecular weight biopolymer. It is primarily a viscosity modifier for fresh to salt saturated make up waters and is compatible with all water based drilling fluid additives. Its properties are:

Form	Cream-colored powder
Specific Gravity	1.6
Bulk Density	52.4 lb/cu ft.
pH (1% solution)	7.0

### APPLICATION

Solutions of OIL AID-WG-20 exhibit pseudo plastic rheological properties; i.e., the viscosity of the fluid will decrease with increasing shear (e.g., at the bit nozzle) and revert back to original viscosity when shear is removed (e.g., in the annulus). Moreover, the viscosity of OIL AID-WG-20 fluids remains nearly constant from below freezing to 300° F static bottom hole temperature and in a pH range from 3 to 12. The product is non-toxic as well as biodegradable. A biocide is recommended if OIL AID-WG-20 solutions are to be stored over 24 hours. Some of the advantages of using OIL AID-WG-20 are:

- There is a tremendous saving in transportation, storage, etc., since a very small quantity is required to prepare a fluid.
- Very low solids fluids can be prepared.
- Its lack of particulate plugging and its non-film forming characteristic have proven OIL AID-WG-20 to be excellent in making up workover and completion fluids.

### RECOMMENDED TREATMENT

Add from 0.5 to 1.5 ppb to develop viscosity and gel strength. OIL AID-WG-20 should be added slowly (20 to 30 minutes per 50 lb sack) through a hopper to obtain maximum shear.

### PACKAGING

OIL AID-WG-20 is available in 50 lb heavy duty sacks.

OIL AID-WG-20 is a Messina trademark