

DIASEAL-M

LOST CIRCULATION SQUEEZE

DESCRIPTION

DIASEAL-M is a designed blend of diatomaceous earth, a fibrous mineral and lime. This one bag product has been proven to be highly effective when a prepared slurry of the product is spotted in the zone of lost circulation. The rapid loss of water from the slurry results in the formation of a rigid plug.

APPLICATION

DIASEAL-M has no adverse effect (unlike cement squeezes) on water base drilling fluids. Slurries can be formulated with barite to any desired weight from 9 to 19 ppg. It can be prepared in fresh or salt water and various other loss circulation materials (such as MESUC-SEAL, MICA, PLUG AND FLAKE) can be used to complement the ability of the plug to stop the loss.

RECOMMENDED TREATMENT

Formulas for preparing one bbl of DIASEAL-M weighted slurries are shown below. Multiply figures below by number of bbl of slurry required to obtain correct weights of products and volume of makeup water to be mixed.

Weight (ppg)	10.5	11	12	13	14	15	16	17	18
<u>SATURATED SALT WATER</u>									
DIASEAL-M (lb)	46.5	44.5	41.5	38.5	35.5	32.5	29.5	26.0	23.0
BARITE (lb)	0	30	90	160	220	280	340	400	460
WATER (bbl)	.940	.920	.880	.845	.810	.770	.740	.695	.660

Weight (ppg)	9	10	11	12	13	14	15	16	17	18	19
<u>FRESH WATER</u>											
DIASEAL-M (lb)	50	42.6	38.9	35.8	32.7	29.3	26.5	23.9	21.0	18.4	16.4
BARITE (lb)	0	60	120	180	230	290	350	400	460	520	580
WATER (bbl)	.93	.90	.86	.83	.80	.76	.73	.69	.66	.62	.58



PACKAGING

DIASEAL-M is packaged in 50 lb bags.

MISCELLANEOUS

Prices and delivery schedules can be obtained from any Messina office, agent or distributor.

DIASEAL-M is a Drilling Specialties trademark

