

STABILITE®OBM is a black powder gilsonite fluid loss agent used in OBM. Comparison laboratory testing of 1.8 SG oil based mud with OWR 80/20 treated with STABILITE®OBM@12 kg/m³, 16 kg/m³ and 20 kg/m³ was conducted. The mud was tested to determine the HTHP fluid loss after being treated with STABILITE®OBM. Low toxicity mineral oil was used as a base.

Conclusion: The base fluid had HTHP fluid loss of 5 ml. HTHP filtration of the base mud containing 12 kg/m³ of STABILITE®OBM was 2.2 ml, 16 kg/m³ – 1.2 ml and 20 kg/m³ – 1.0 ml.

Properties	Base mud	12 kg/m ³ STABILITE®OBM	16 kg/m ³ STABILITE®OBM	20 kg/m ³ STABILITE®OBM
MW, SG	1.8	1.8	1.8	1.8
600 rpm/300 rpm	72/40	75/43	75/43	76/44
200 rpm/100 rpm	29/18	32/21	32/21	33/22
6 rpm/3 rpm	6/5	7/6	7/6	7/6
PV, cP	32	32	32	32
YP, lbs/100ft ²	8	11	11	12
Gels, lbs/100ft ²	6/10	7/12	7/12	7/14
OWR	80/20	80/20	80/20	80/20
ES, Volt	824	835	837	828
HTHP, cc (500psi@250F)	5.00	2.2	1.2	1.0