Deep Black LB™ is part of a family of additives consisting of stabilized dispersion of graphite in an environmentally friendly oily medium (low BTEX).
Deep Black LB™ provides all functions of graphite lubricants.
Deep Black LB™ is a stabilized oily suspension of 40% modified graphite.

TREATMENT
• Deep Black LB™ is easily dispersed and may be added via a hopper directly into the active system or through pre-mixing.
• Concentration should vary dependent on mud types, density, well path design (anticipated torque and drag) and anticipated formation.
• Torque reduction does not become significant until a concentration of solid graphite 3.0 kg/m³ is exceeded. The optimum solid graphite concentration is in the range of 6.0 - 7.0 kg/m³.
• Concentrations from 15 l/m³ to 20 l/m³ (4-5 gal/m³) are recommended.

BENEFITS AND USE
• Deep Black LB™ uses the new technology concept which means to treat solid particles with a teflonized derivative.
• Deep Black LB™ with a slippery surface tension free ability to coat the well bore and drill bit and therefore reduces torque and drag which in turn increases ROP.
• Deep Black LB™ is non-toxic, non-combustible and contains no heavy metals or environmentally hazardous chemicals.
• Deep Black LB™ provides for high drilling efficiency and minimization of well costs in vertical, inclined and horizontal wellbores, completion and work-over operations, as well as coiled tubing.
• Deep Black LB™ does not generate damage formation.

ADDITIONAL ADVANTAGES
• Optimizes lubrication, especially at higher temperatures
• Inhibits hydration of the clay fraction in shale
• Reduces wellbore damage, especially vibration induced formation damage resulting from the stick-slip phenomenon
• Stabilizes rheological properties, leading to greater borehole efficiency
• Stabilizes HTHP filtrate values
• Slicks the entire open-hole, casing and drill-string; reducing frictional forces
• Reduction of torque and drag values
• Reduction or elimination of bit and BHA balling
• Significant reductions in tubular and drilling equipment wear.
• Improved tripping, logging and casing run times
• Provides additional viscosity to WBM

PACKAGING
• 55 Gallon Drum
• 275 Gallon Tote
• Bulk

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