



ENHANCED OIL RECOVERY

OUTSTANDING CHARACTERISTICS:

POWERLIFT is a high-performance enhanced oil recovery fluid for Jack pump systems, improving production in down-hole condensate and oil and gas..

- Boosts Hydrocarbon Recovery
- Cleans Hydrocarbon Deposits
- High viscosity assures maximum distribution by lift-gas.
- Excellent persistency for down-hole applications.

DESCRIPTION:

POWERLIFT“JACK” is formulated for use in pump jack systems to remove hydrocarbon deposits for maximum flow. POWERLIFT’s cleaning technology bonds to vital well equipment to minimize carbon deposits which helps keep oil and gas flowing at peak performance. The product contains a combination of dispersants and solvents to effectively remove and disperse oil wet solids. POWERLIFT disperses deposited paraffin and other oil wet solids into the oil phase to remove and prevent further accumulations of these solids down hole. The active ingredients are a system of unique cleaning agents that will not water wet oily solids to prevent oil in water carry over problems in water handling facilities.

TYPICAL PHYSICAL PROPERTIES

Form.....	Oil base liquid
Density.....	7.90 lb/gal.
Pour Point.....	-40° F
Flash Point.....	Below 85° F
Solubility.....	Highly dispersible in oil. Dispersible in fresh water and brine.

APPLICATION METHOD:

POWERLIFT is recommended to be applied by continuous injection. Continuous injection of POWERLIFT Jack will disperse oil wet solids and paraffin from down hole pumps rods, tubing, flow lines and heater treater. POWERLIFT should be injected at a point prior to where the paraffinic deposition is occurring. Common injection points are down the back side with a slip stream. Treatment rates vary according to the severity of the deposition problem being encountered, but typically range from 100 ppm and greater of total production. In cases of high paraffin deposition it may be necessary to treat the flow lines as well as down hole to prevent flow line plugging.

POWERLIFT "JACK" works best in systems with continual flow. Timer operated systems will see increases but may not optimize.

Conventional control techniques should be used to optimize chemical rates for individual cases.

SHIPPING & HANDLING:

POWERLIFT is shipped in 55-gallon poly drums and in bulk as a flammable liquid, N.O.S. from our Van Vleck, Texas plant. A material safety data sheet outlining recommended safe handling of POWERLIFT is available upon request.

IMPORTANT:

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