



WELSAVER®

Fluid Loss Prevention / Intervention / Wellbore Stability / Drilling Fluids

"Quality products at a competitive price with service second-to-none"

WelDril® Products have earned a prestigious reputation in the oilfield industry for their unwavering commitment to delivering exceptional products and services to clients. The WelDril WelSAVER® product exemplifies this dedication, offering a comprehensive solution that addresses a wide array of user needs. WelSAVER® incorporates a meticulously engineered particle size distribution system designed to effectively combat seepage to total fluid losses, facilitate hole cleaning, and address specific T&D challenges. Its specialized pills play a crucial role in overcoming problematic vugs, fractures, and difficult lost circulation areas. Furthermore, WelSAVER® demonstrates remarkable versatility, making it suitable for diverse applications, including various water, oil, or synthetic-based drilling fluids, as well as in HPHT and Geothermal wells.

PERFORMANCE BENEFITS:

- Delivered blended and packaged in one sack.
- Compatible with all drilling fluids.
- Mixes easily with any rig equipment.
- Ends the need for POOH with directional BHA (up to 100 ppb) or RSS (up to 80 ppb) to heal heavy to total losses.
- Mitigates the viscosity hump typically seen when pumping LCMs through jewelry.
- Presents a sizable particle size distribution (PSD) to combat known and unknown fracture sizes.
- WelSAVER® stress cage and lubricant capabilities featuring a three-dimensional high crushability bituminous coal superior to that of beads, embeds nonabrasive hard particles into the wellbore wall.
- This enhances the ease of Bottom Hole Assembly (BHA) movement, effectively reducing torque and drag (T&D) issues and improving operational efficiency, minimizing rig space, waste, and NPT.
- Cut down on transportation costs.
- ESG friendly – Passes LC50.

APPLICATIONS:

- Improves hole cleaning and friction reduction.
- Mild-to-Severe loss sweeps, Severe-to-Full
- Stress cage / lubricant for sticky pipe.
- Total losses Pills and Sweeps.
- Casing Shoe Integrity Pills.

PHYSICAL PROPERTIES:

- Black, tan flashy granules w/multicolored flakes.
- Sized Nitrile rubber.
- Specific Gravity - 1.15 to 1.30 g/cm³.
- Bulk Density - 48 lbs./ft³.
- Return Permeability - 70%.
- PSD Range - 45µ to 3,800µ.
- PSD Average - 920µ.
- In USA - 50-lb sacks | 50 sacks per pallet
- Outside USA - 40# sacks 40 per pallet
- UV Shrink Wrapped.
- Temperature Stability: Up to 1112°F (600°C).
- 30% - Acid Soluble

COST BENEFITS:

- Rigorous LCM combination.
- Easy rig footprint, reducing the need for multiple LCMs.
- Competitive pricing.
- 4 of the 5 proprietary components are produced in our facilities.

CUSTOMER SERVICE BENEFITS:

- Exemplary products and services.
- Deliveries on Trucking Availability.
- Special and Extra Larger orders are ready for shipment in 24 to 48 hours.

AVAILABLE PRODUCT INFORMATION:

- Product SDS.
- General Recommendation on back.
- Custom Recommendations and Procedures upon request.



Shipping Address: 600 E. Franklin, Haskell, OK 74436

Mailing Address: P.O. Box 2673, Muskogee, OK 74402

Phone: (918) 686-8585 | 800-247-9433

Website: www.welldrill.com



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GENERAL RECOMMENDATIONS:

Hole Cleaning Mix 10 ppb x 20 bbls in the active mud in an available mixing / slugging tank. Pump around the total hole volume and watch for product on shakers.

Seepage (5-20 bph losses): Mix 10 - 15 ppb in the active mud in an available mixing/slugging tank. Pump 10 - 15 bbl sweeps every stand or as needed. Seepage below 5-10 bph, use Cal-Carb or Mud Co. Equal

Moderate Losses (15-40 bph losses): Mix 25+ ppb in the active mud in an available mixing/slugging tank. Pump 15 - 30 bbl sweeps every stand or as needed.

Severe Losses (40+ bph losses): Mix 35 - 50 ppb in the active mud in an available mixing/slugging tank. Pump 25 - 40 bbl sweeps every stand or as needed.

Complete Losses / No Returns (while pumping) WITH downhole tools:

- For 7" and larger directional tools, mix 80 ppb - 100 bbls in the active mud in an available mixing/slugging tank, 5" and smaller directional tools, Mix 45 ppb - 100 bbls in the active mud in an available mixing/slugging tank.

Note: Never stop pumping until all products are totally through the BHA or Bit

- Spot the full-volume pill just above the known loss zone. If the loss zone is unknown, spot the pill above the depth of initial losses.
- Pull above the calculated top of the pill or back up into the last casing shoe.
- Squeeze an initial volume not exceeding half of the pill's pumped volume.
- Perform a gentle hesitation squeeze to achieve the desired pressure.

Full Losses When full losses are the problem, and only try one heavy concentrated pill say 100ppb x 100 bbls. Best practice is Pump an 100ppb x 80bbl pills as lead, pump cement with 25 ppb dry mixed at bulk plant, and squeeze the cement as a hesitation squeeze, or place and wait until.

Note: Most competitors' products are in 25# or 40# sacks and 40 sacks per pallet. It is misleading when using the number of sacks to perform the task. WELSAVER® is in 50# sacks and 50 sacks per pallet.

PILL	lbs.	bbls	Sacks
1	10	80	16
1	25	30	15
1	35	45	32
1	35	80	56
1	75	96	144
1	80	90	144
1	90	100	180
1	100	100	200

Sweeps	lbs.	bbls	Sacks
1	25	15	7.5
1	25	20	10
1	30	29	17.5
1	40	20	16



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