

SUN'S COASTAL SPOT®

THE LEADER IN FREEING DIFFERENTIALLY STUCK PIPE



COASTAL SPOT® is a unique blend combining a polyalphaolefin (PAO) synthetic hydrocarbon, special emulsifiers, activators, and initiators. The PAO-base fluid is patented by SUN Specialty Products for use as a drilling fluid additive.

Differential pressure sticking is the most common cause of stuck pipe in drilling operations. Circumstances that lead to differential sticking vary and include:

- ◆ Overbalanced formation pressure
- ◆ Stationary drill string
- ◆ Excessive filter cake

As drilling fluid is lost into the formation, the small pores of the formation face serve as filters; trapping the solids present in the mud system and causing filter cake thickening. **COASTAL SPOT®** dehydrates and cracks this filter cake, penetrating the area around the pipe with the highly lubricious PAO, allowing the stuck pipe to become free.

COASTAL SPOT® contains no aromatics or other undesirable characteristics found in traditional mineral and diesel oils. Toxicity testing under NPDES guidelines shows that **COASTAL SPOT®** has no effect on the LC₅₀ of the drilling mud system and does not cause sheening. Packaging in 275-gallon tote or 550-gallon totes allows the operators to keep **COASTAL SPOT®** readily available on the drilling rig until the product is needed. This insures the operator can pump the pill down hole promptly, significantly increasing the probability for success.

Advantages

- ◆ Non-toxic
- ◆ No effect on LC₅₀ value of active mud system
- ◆ Non-sheening
- ◆ No adverse effect on rheological properties
- ◆ Easily blended on location
- ◆ Easily weighted up with barite
- ◆ Replaces diesel/mineral oil-based fluids

Packaging

- ◆ Rig storage bulk containers
275-gallon (1049 L) (6.5 bbl)
550-gallon (2082 L) (13 bbl)

Physical Properties

- ◆ Specific Gravity: 0.80
- ◆ Viscosity SUS 100°F: 51.3
- ◆ Flash Point COC: >300°F (149°C)
- ◆ Pour Point: -20°F (-29°C)
- ◆ Base fluid thermal stability: >600°F (315°C)
- ◆ Appearance: Clear amber liquid

Application

- ◆ Have adequate material on location in order that it can be applied promptly.
- ◆ See blending chart for specifics on weighted pill



Enhancing Your Value Horizons

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