

# 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 Drilling Products Corporation 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 LC<sub>50</sub> of the drilling mud system and does not cause sheening. Packaging in 275 gallon 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 and Benefits

- ◆ 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 for diesel/mineral oil based fluids

### Physical Properties

- ◆ Specific Gravity: 0.80
- ◆ Viscosity SUS 100°F 51.3
- ◆ Flash Point COC: >300°F (149°C)
- ◆ Pour Point -20°F (-28°C)
- ◆ Base fluid thermal stability >600°F (315°C)
- ◆ Appearance: Clear amber liquid

### Packaging

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

Call or email SUN to discuss your application with a Product Line Specialist.

**SUN...The HOLE Solution Company!**

**USA Toll Free 1.800.962.6490**

**Canada 403.319.0677**

*www.SunDrilling.com*

*Solutions@SunDrilling.com*