

# FULLSWEET HSS1005 multiphase H<sub>2</sub>S scavenger delivered on-spec crude and chemical savings of \$275k USD for South Texas operator

## CHALLENGES

- Off-spec crude was causing well shut-ins and penalties on crude sales
- Non-ideal mixing conditions within facilities prohibited standard options for treatment and was contributing to the incumbent cost of operation
- Treatment costs needed to be significantly lower than incumbent and FULLSWEET HSS1001
- Water soluble chemistries were not possible as they led to increase in basic sediment and water (BS&W)
- High H<sub>2</sub>S of the incoming crude was leading to HSE concerns for personnel

## SOLUTION

- Bottle testing indicated [FULLSWEET™ HSS1005 multiphase H<sub>2</sub>S scavenger](#) to be superior in terms of scavenging efficiency compared to incumbent chemistry
- Technical collaboration with the customer was conducted to identify injection location to optimize mixing and contact time



FULLSWEET multiphase H<sub>2</sub>S scavenger treated this off-spec crude while reducing chemical consumption and costs

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## RESULTS

50%

Reduction in chemical consumption (12,000 ppm to 5,000 ppm)

69%

Savings in chemical costs

\$275k USD

Total savings (chemical costs, deferred production, tariffs on off-spec crude)

**“Our combination of superior chemistries and technical knowledge helped this operator cut chemical consumption and costs.”**

– **John Rosas**  
Lead Operations Specialist

**Baker Hughes** 