

Case History

Mud Boat Cleaning


Products:- SAS119SC

Mud Boat Cleaning – Gulf of Mexico
<p>On the 5th of August, 2005, a service company based in the Gulf of Mexico was approached by a customer that owns a dockside cleaning business located in Cameron, Louisiana, USA. The service company contacted SAS to enlist SAS's assistance in supplying microemulsion chemical products for cleaning out a mud boat. The customer is contemplating the purchase of microemulsion delivery units, chemicals and recycling units and was interested in using the SAS119SC alone with only the boat's circulation system combined with the customer's existing recycling system.</p> <p>Below is a concise overview of how the operation was conducted:</p>
Description
<ul style="list-style-type: none"> • The mud boat was configured with 4-600 bbl. mud tanks • Cargo was 16 # synthetic based mud • Tank #1 had 24" of packed barite on the bottom with approximately 40 bbls. of pumpable mud above it • Tanks 2, 3 and 4 contained approximately 6" of packed solids each with approximately 20 bbls. of pumpable mud above the settle barite • The mud boat was taken out of service for cleaning due to the extensive clogging of the gun lines
Procedure
<ul style="list-style-type: none"> • Usable mud was pumped from the tanks • Gun lines were lanced manually • 120 gallons of SAS119SC was pumped into the customer's recycling unit and 40 bbls. of water was added into the recycling unit and the solution was mixed for 5 minutes • The pill was pumped into Tank #1 of the boat and was circulated through the gun lines for 45 minutes to complete the unclogging that was begun with the initial lancing • The fluid was then pumped from Tank #1 to the recycling unit to separate solids and liquid • Next, the liquid phase from the recycling unit was pumped into Tank #2 which had 6" of packed barite, as did Tanks 3 and 4 • 30 gallons of SAS119SC was added to the contents of the recycling unit and run through the gun lines • The above described process was repeated on the remaining 2 tanks
Job Analysis
<ul style="list-style-type: none"> • Total time on job site = 4 hours • Amount of SAS119SC used = 210 gallons • Volume of viable mud recovered post recycling = 130 bbls. • Value of recovered synthetic mud according to known price structure to customer = \$15,600 • A sample of recovered drilling fluid was expedited to the mud vendor's local mud lab for verification of re-introduction into their mud plant • Recovered drilling fluid was tested by the vendor's mud


lab personnel and accepted into the mud plant

- Water usage through recycling systems =130 bbls.
- Disposal cost to customer = NONE

Note: The "chemical alone" process works only with the proper gun line design.



Photographs of OBM contaminated vessels before (Above) and after cleaning (Below) using SAS119SC microemulsion cleaning product.



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