PROJECT EXPERIENCE

LiquiGel® Delivers Compliant Abandonment & Liquid Product for Sale

A Gulf of Mexico upstream operator required pipeline abandonment solutions for one 6 inch pipeline. The operator's permitted Department of Interior (DOI) decommissioning obligation required a seawater flush volume equal to 110% of the internal pipeline capacity.

CHALLENGE

1. Comply with the federal pipeline hydrocarbon free protocols.
2. Reroute all liquids onto the adjacent receiving platform and account for all liquids by means of a temporary LACT unit.
3. Achieve a successful static sheen test on the customers pipeline system post flushing procedure.
4. Provide an alternative solution that would mitigate the risk of mechanical pig failure, but also maintain a clear interface between the pipeline fluids.

TECHNICAL ACHIEVEMENTS & BENEFITS

- LiquiGel® Pig Technology insured a clean interface between the pipeline fluids in order to keep oil below 3% BS&W.
- DynoWash De-Oiling solvent encapsulated and assisted in the removal of hydrocarbons out of the pipeline system.
- Identical tie-in points for the LiquiGel® Pig Technology and the seawater displacement.
- No pig launchers/receivers required.
- Mitigated concerns of pipeline internal integrity or mechanical pig failure.
- LiquiGel® Pig Technology and pipeline cleaning system minimized project extensions compared to routine flushing procedures requiring a successful static sheen requirement.
- The LiquiGel® Pig system traveled a total 49 miles without composition degradation.

LOCATION

Gulf of Mexico

SPECIFICATIONS

6" x 24.75 miles

SOLUTION

Engineer a multiphase procedure to achieve both an accurate measurement and delivery of the operator's liquid product downstream, and a complaint pipeline system permitted for abandonment.

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