Cost-Saving Specialized Solvent Remediation Solution Improved Deepwater Well Production

Greater efficiency achieved with combined Paravan M and RESTORE well remediation treatment

Lost production
An operator of a deepwater well in the Gulf of Mexico has a known asphaltene deposition issue that required frequent xylene treatments to keep the well’s production rates up. The last xylene job performed consisted of about 400 bbls of solvent which only increased production by 1700 BOPD. The customer’s targeted production goal was to increase from 2400 BOPD to 5000 BOPD.

Remediation treatment solution
The operator approached Baker Hughes about recommending a stimulation treatment that could be more beneficial than the xylene washes previously performed on this well. One of the challenges with this well was to confirm uniform coverage of the treatment in the long interval of 98ft. Taking this into consideration, Baker Hughes recommended 100 bbls of a specialized Paravan™ M and RESTORE™ wellbore stimulation combination treatment utilizing their solids free diverter. The treatment was applied via the Blue Tarpon™ stimulation vessel. After the Paravan M and RESTORE remediation treatment the well’s production increased to 7303 BOPD, exceeding the customer’s expectations.

This case history is presented for illustration purposes only, as results may vary between applications.
Pre- and Post-Stimulation Oil Production

- **Post-Paravan M and RESTORE program**
  - Small volume/great benefit

- **Pre-Paravan M and RESTORE program**
  - Large volume/less benefit

- **Post-xylene stimulation**

- **Pre-xylene stimulation**

*At the time of this case history the well was still performing above expectation*