

FORSA technology eliminates rod pump issues across 20+ wells, restoring production and saving OPEX

CHALLENGES

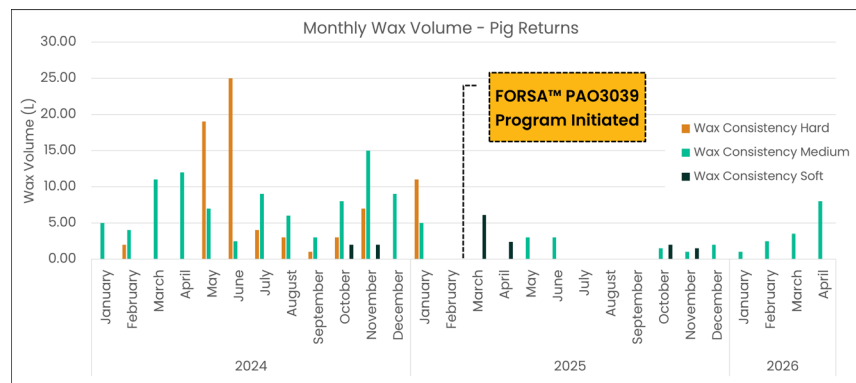
- A Canadian operator was experiencing rod pump well hang-ups that were requiring routine hot oil jobs on a quarterly basis
- Liquid inhibitors were not effective and the operator was estimating lost production of >550 m³/year due to downtime
- There was a high volume of wax in pig returns
- Because of the environment, the high-concentration paraffin inhibitor treatment would need to be fully winterized

SOLUTION

- Baker Hughes recommended and applied a [FORSA™ paraffin inhibitor](#) (PAO3039) that was 100%-active in pellet form
 - A treatment of 4 to 9 lb. was applied on 21 wells weekly or bi-weekly based on the well conditions
 - The treatment was applied through batch pots and flushed with water
- Baker Hughes also recommended that the operator extend time between pigging from every day (or every other day) to once a week



Batch pot on the well head to deliver the pelletized FORSA paraffin inhibitor



Pig return volume trending pre- and post-FORSA implementation

RESULTS

\$450,000 CAD
saved by eliminating 60+ hot-oil jobs and eliminating deferred production losses

560 m³
of recovered (non-deferred oil) by eliminating due to hang-up events

Zero
hang-up events since implementation and significantly reduced wax returns

“No wax, no hang-ups, no injection sites.”

– **Elisha Bambridge**
Technical Account Manager