DeclineShift Well Rejuvenation Solutions
Increase productivity from underperforming wells to optimize existing well stock

Applications
- Wells challenged by low performance due to:
  - Diminishing production rates
  - Buildup of solids and debris
  - Formation damage
  - Unwanted fluids and solids
  - Undertreated zones
  - Lifting inefficiencies

Features and benefits
- Integrated technologies targeted for accelerated rejuvenation
  - Ensure a clean wellbore
  - Enhance production from the reservoir
  - Minimize unwanted fluids and solids
  - Improve lifting efficiency
- Efficient execution for quick returns
  - Minimize disruption to existing operations
  - Accelerate payback from capital-efficient job design
- Prioritized focus on high-impact results
  - Deliver incremental contributions to field revenue
  - Increase reserves from existing well stock

Mature field operations often present challenges in managing poor well performance due to plugged pathways, unwanted byproduct production, and lifting inefficiencies that result in diminishing production rates and increased operating costs. Baker Hughes DeclineShift™ well rejuvenation solutions help to increase the profitability of mature wells by clearing and enhancing hydrocarbon pathways, boosting production volume and quality, and improving well economics through enhanced efficiency and reduced downtime.

Each DeclineShift well rejuvenation solution is designed to address the challenges of your specific well, using root cause analysis to apply the right technologies that will maximize immediate and long-term value with minimal production disruptions.

Clear hydrocarbon pathway
Understanding your well’s profile and characteristics will help identify flow blockages and formation damage that are limiting reservoir access. Baker Hughes wellbore cleanup and remedial services help locate and remove these barriers with minimal footprint and downtime to restore connectivity to the formation.

Enhance production from reservoir
Viewing a clean wellbore, we are able to identify production enhancement opportunities. Increasing reservoir connectivity and conductivity allows more hydrocarbons into the wellbore to improve overall production volumes. And, drawing on efficient stimulation and perforating solutions helps to accelerate recovery to increase your return on investment (ROI) even further.
Minimize unwanted fluids and solids

Poor well performance can also result from the production of unwanted matter, like sand and water, or organic deposition along the wellbore. Baker Hughes helps combat these flow constraints at the source, identifying water influx and predicting sand production from the reservoir before designing the most suited and sustainable solution. Using customized chemical treatment technologies, we can mitigate scale, asphaltene, and paraffin deposition to help maximize production flow rates. This results in improved quality of produced hydrocarbons, as well as reduced water handling and secondary treatment costs.

Improve lifting efficiency

As your well pressure support starts to decrease, you will likely consider improving lifting efficiencies. Our advanced electrical submersible pumping (ESP) systems and tailored lifting solutions can help overcome challenges such as deviated wellbores or fluctuating production rates to boost production volumes and achieve higher returns from your existing well stock. When paired together, advanced lifting and chemical technologies also prolong equipment life and reduce downtime, minimizing deferred production.

During the execution phase, Baker Hughes will coordinate all services, including those from third-party suppliers, and can manage the entire project if necessary. We also offer flexible commercial models to align with different operators’ business objectives and operational needs. And, after a DeclineShift solution has been executed, we track the results, weighing actual production and performance improvements against the projected outcomes to ensure the rapid adoption of the most successful practices—further driving capital efficiency and returns on future projects.

Because each well rejuvenation solution is engineered in a precise manner, most require only a small wellsite footprint and can be designed to address multiple challenges in a single operation to minimize production disruptions. This helps accelerate payback and grow the present value of cash flows.

Visit BakerHughes.com/DeclineShift to learn how you can optimize production from your well stock through efficient well rejuvenation.