
DVG
StimWRx
a division of PureChem Services

DVG - VISCO-ELASTIC DIVERSION SYSTEM

PRECISION DIVERSION FOR MAXIMUM STIMULATION

STIMWRX-DVG is an advanced visco-elastic diversion system designed for surface bullhead stimulations in both vertical and horizontal wells. This proprietary system temporarily blocks high-permeability pathways, directing stimulation fluids to more damaged or lower-permeability reservoir sections. **STIMWRX-DVG** enhances acid placement, improves overall stimulation efficiency, and optimizes hydrocarbon recovery. Its eco-friendly formulation allows seamless integration with STIMWRX's acid and nano-surfactant fluid for silica/clay management systems while maintaining cost-effectiveness.

ENGINEERED FOR EFFICIENCY

FEATURES AND BENEFITS:

01

PRE-MIXED AND TRANSPORT READY

Available in bulk or tote packaging, requiring no on-site mixing.

02

CONFORMS TO THE RESERVOIR

Unlike solid diversion agents, it provides improved sweep efficiency and fluid distribution.

03

TEMPORARILY SEALS HIGH-PERM ZONES

This diverts stimulation fluids to damaged zones.

04

GUARANTEED BREAKABILITY

Will not create additional damage or interfere with production equipment.

05

COST EFFECTIVE SOLUTION

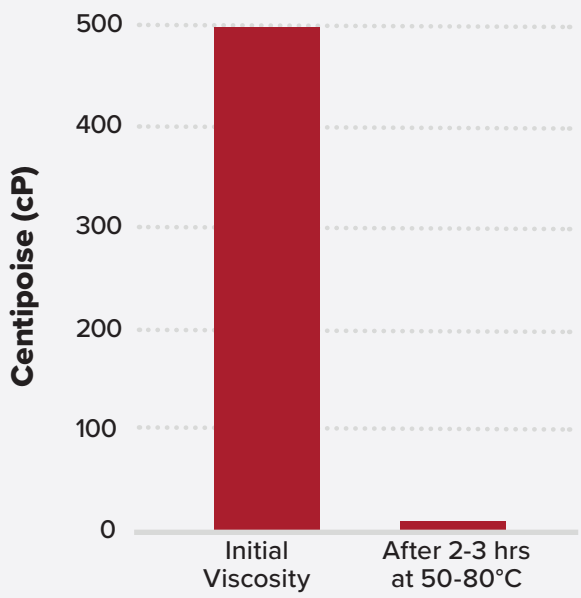
Reducing the need for expensive work overs while delivering similar if not better results.

06

RIGLESS APPLICATION

Can be applied using pumps, rods, and tubing anchors in place, reducing operational complexities.

DVG BREAKDOWN



DIAGNOSING PRODUCTION DECLINE

PIERSON FIELD, AMARANTH FORMATION

A horizontal well experienced declining production, primarily due to near wellbore scale buildup restricting flow. In 2021, a selective stimulation treatment was performed at the request of the operator, but production began to decline again. Many horizontal wells experience damage along the entire lateral, making stimulation success unpredictable.

- **Uneven Acid Placement:** Stimulation fluids tend to follow the path of least resistance, often bypassing damaged or lower-permeability sections.
- **High Work over Costs:** Traditional clean-out methods, such as coil tubing interventions, increase operational costs and downtime.

STIMWRX prescribed an alternative approach: an annular bullhead treatment to improve acid placement and maximize treatment effectiveness.

1,200+ BULLHEAD DVG JOBS SINCE INCEPTION WITH THOUSANDS OF M^3 PUMPED

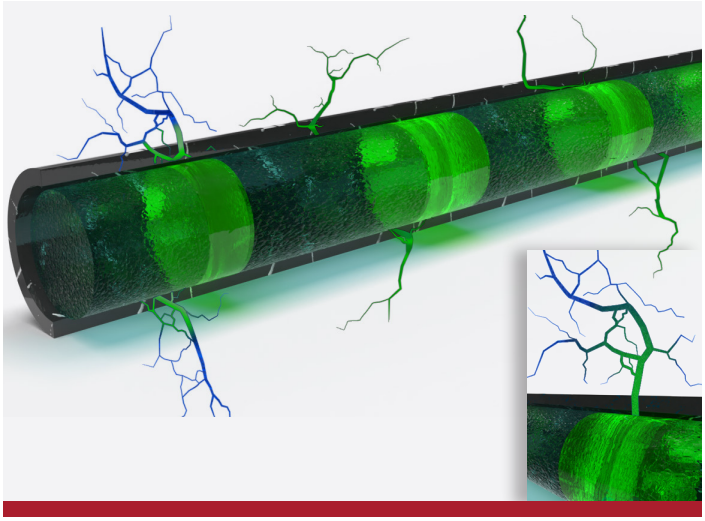
A SUCCESS STORY

STIMWRX PRESCRIPTION - SMARTER DIVERSION

STIMWRX DVG eliminates the need for high-rate, high-cost equipment to achieve MAPDIR ΔP in bullhead treatments. Unlike solids-based diverters (e.g., rock salt, benzoic flakes, bio balls), it viscosifies fluids, controls leak-off, and enables diversion at lower pump rates without turbulent flow.

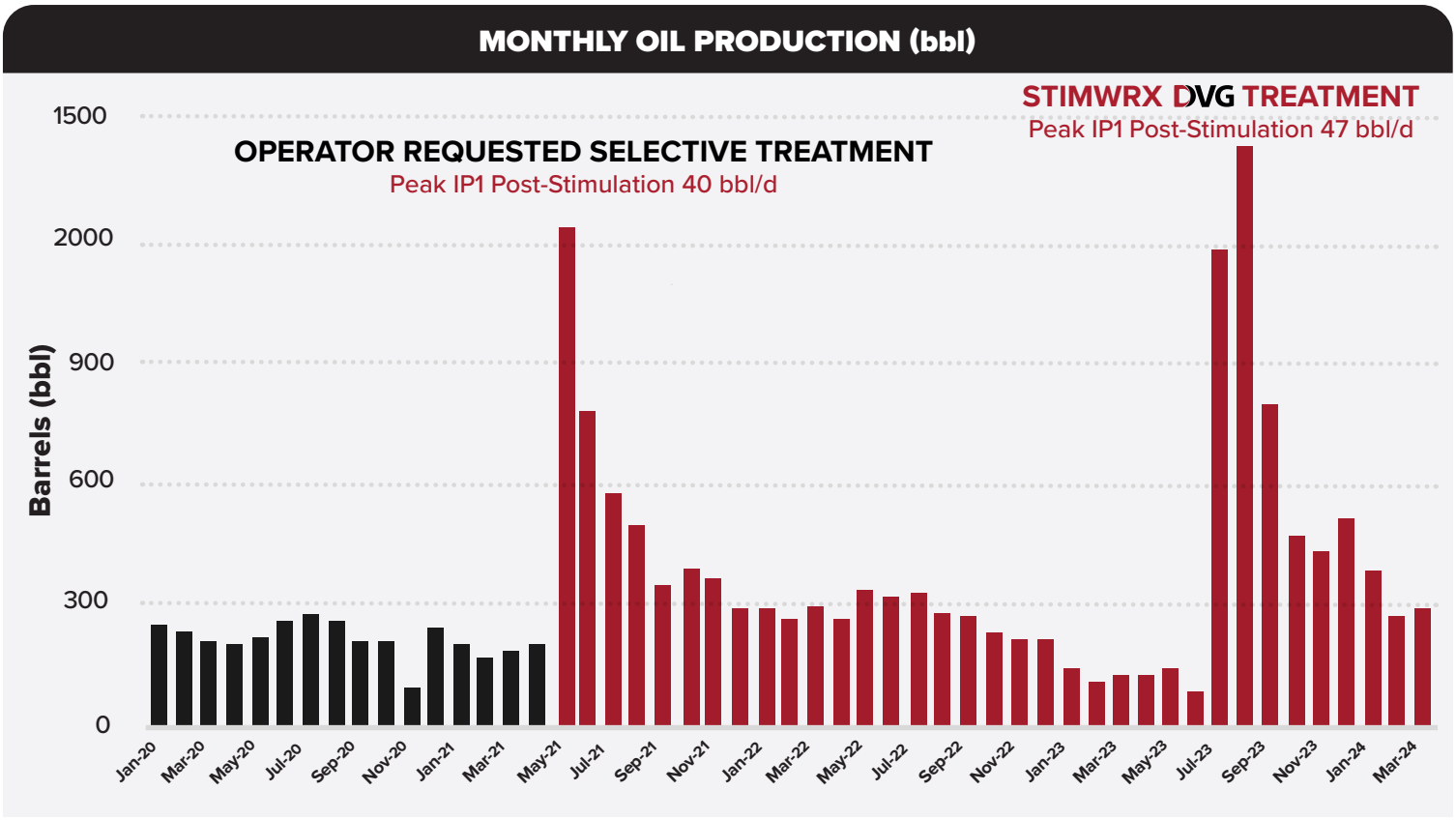
This advanced technology system also sweeps directional traps in horizontal laterals, preventing sand buildup at the heel. Unlike solid diverters, it conforms to the liner instead of settling due to gravity.

While the chemical formulation remained largely unchanged from the previous selective treatment, STIMWRX DVG ensured deeper acid penetration by temporarily blocking high-permeability paths, delivering a more effective and controlled treatment.



REVITALIZING PRODUCTION - DVG IN ACTION

- **Production increased** by **13.7** times from 3 bbl/d to 44 bbl/d, exceeding the results of the selective treatment.
- **Reduced costs** by **75%**, demonstrating that proper chemical placement can rival mechanical isolation in effectiveness.
- DVG treatment achieved **payout** in just **17 days** - **4x faster** than the *selective approach.*
- **Rapid ROI:** Economic assessments confirm STIMWRX DVG treatments pay out within weeks, delivering long-term financial benefits.



THE DVG ADVANTAGE

DVG optimizes stimulation by enhancing fluid distribution, boosting production, and reducing operational costs. By overcoming industry challenges and offering an environmentally responsible alternative, it proves to be an essential solution for modern reservoir optimization.

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