



CASE STUDY



Revolutionizing Wellbore Scaling Solutions for Producers

CUSTOMER CHALLENGES

- Frequent workovers
- Accelerating production declines
- Equipment degradation

CUSTOMER RESULTS

- Increased oil extraction
- Stabilized production curves
- Extended well performance with reduced failure rates*

EK RECOVER BENEFITS

- Extended production lifespan
- Enhanced operational efficiency
- Lower maintenance costs

PRODUCTION TREND

Below is the percentage increase in daily oil production using EK Recover on actual EnviroKlean customer wells.



The Challenge

Wellbore scaling presents one of the most persistent challenges for oil producers, particularly when scaling occurs in inaccessible zones. As scaling accumulates, it restricts fluid flow, reduces production efficiency, and causes well downtime. In severe cases, blockages in fissures or tubing can completely halt oil production. With traditional mechanical methods and chemicals unable to fully address these issues, operators are often left with no choice but to resort to expensive workovers or other costly interventions. Scaling also accelerates costly equipment wear, increases pressure differentials, and complicates overall well management. The cumulative effects force operators to make tough decisions, either spending heavily on maintenance or facing the risk of abandoning wells prematurely, which not only impacts operational efficiency, but also the profitability of the well.

The Solution

EnviroKlean's EK Recover™ solution provides a unique combination of mechanical and chemical expertise to combat wellbore scaling at its source. Our solution begins after the workover rig clears solids from the wellbore. We analyze the composition of these solids to gain a clear understanding of the scaling issue. Once the scaling material is removed, we apply our proprietary EK One™ chemical treatment precisely to the targeted areas of the wellbore and formation, focusing on the zones with significant buildup to ensure effective and lasting remediation.

The Outcome

The results speak for themselves. Treated wells have shown a significant reduction in failure rates due to minimized scale and solids buildup. With prolonged run times, these wells have demonstrated enhanced oil production, leading to increased profitability. In some cases, wells have continued to operate for over a year—four times longer than their previous failure intervals—drastically reducing the need for workovers and interventions.

Conclusion

EnviroKlean's EK Recover™ solution is a proven, long-term strategy to combat wellbore scaling, ensuring smoother operations, increased production, and reduced downtime. By proactively addressing scaling issues, EK Recover™ extends well profitability through minimized maintenance, optimized performance, and increased well unit economics.



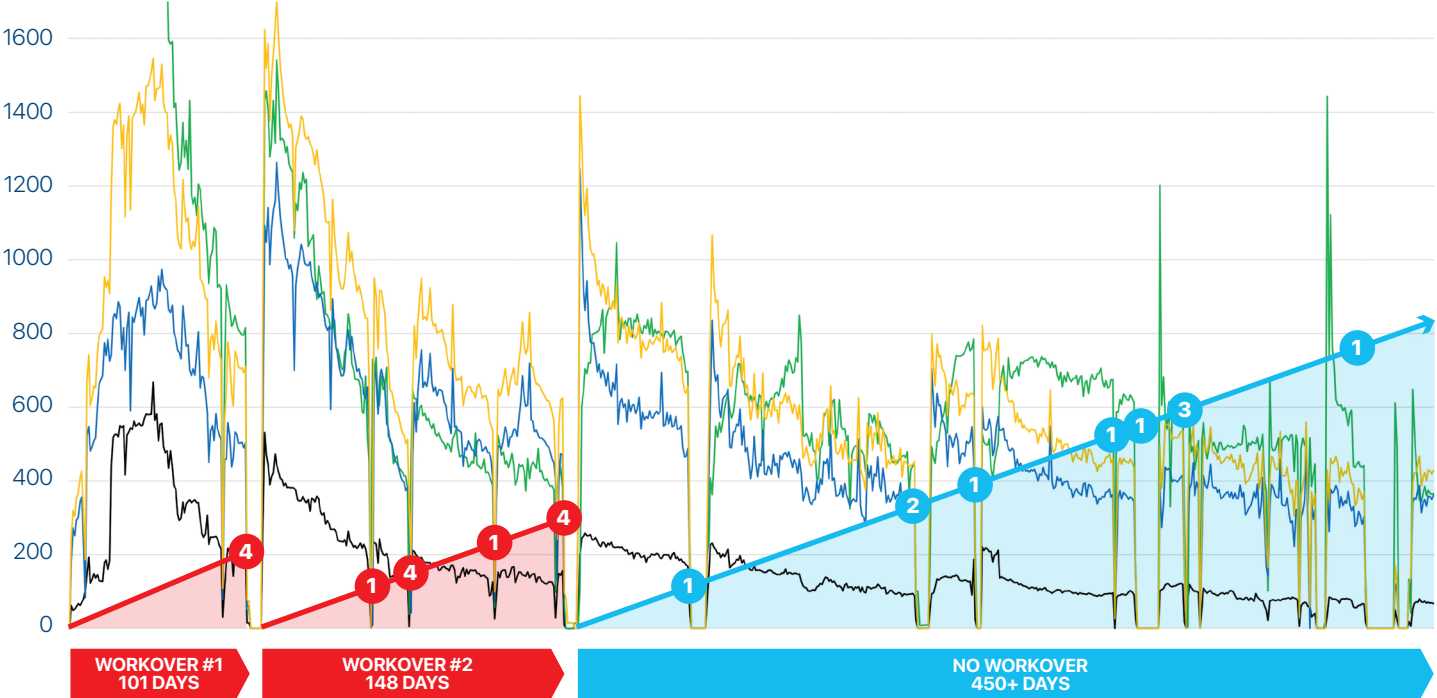
EnviroKlean's EK Recover™ solution doesn't just address scaling—it transforms well performance, making it a must-have for operators seeking to maximize their well's output and minimize costly downtime.

* See reverse side for "Days Between Well Failure" chart



Days Between Well Failure*

(October 15, 2022 – December 5, 2024)



Service Line	Elements	Reason Codes
— Before EK Recover	— Water	1 Gas Curtailment
— After EK Recover	— Gas	2 ESP Electrical Failure
	— Oil	3 Offset Frac
	— Total Fluid	4 Scaling Event

*Number of days between well failures, as measured by need for workover, for an actual EnviroKlean customer well experiencing calcium sulfate scaling issues in the Permian North Shelf from inception (10/5/22) through (12/5/24).

