

Scale Integrity Management Services

WHAT CAN WE OFFER?

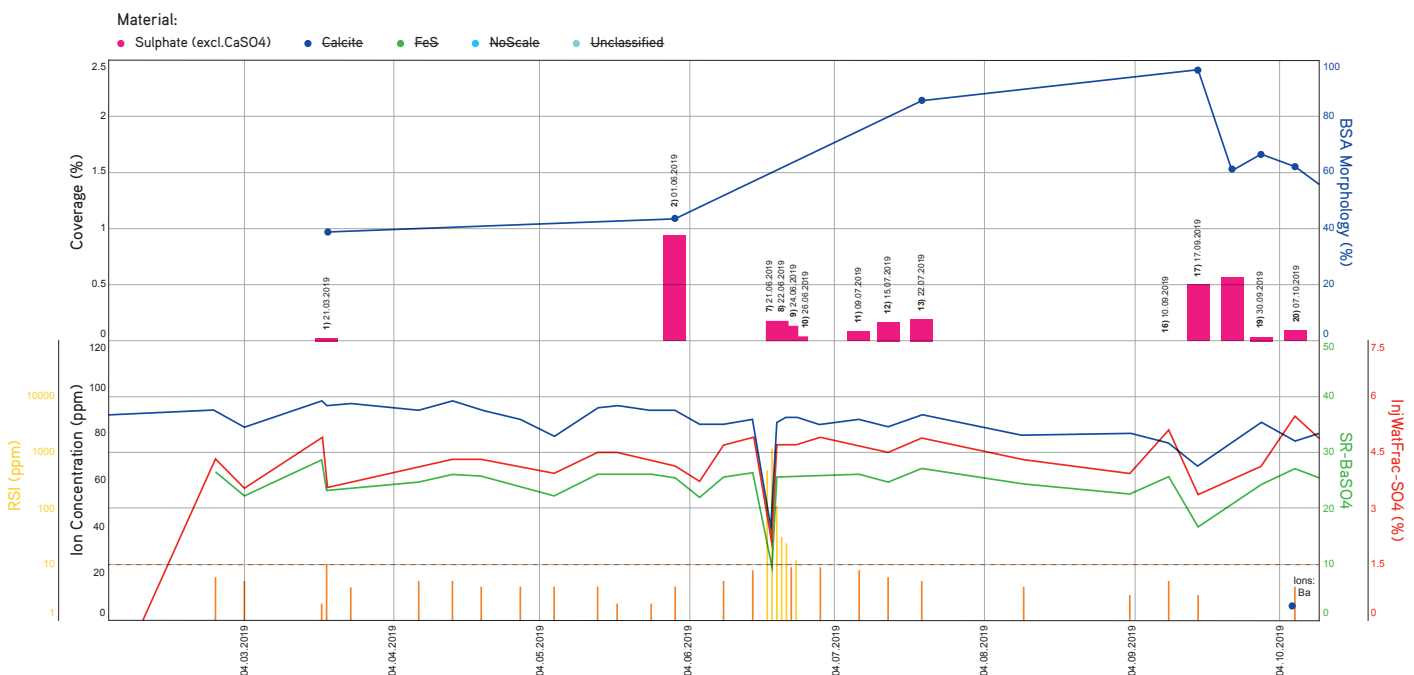
The Scale Protection team consist of industry professionals with decades of global experience from both operators and service companies. We have felt the operational challenges for scale mitigation from both sides of the table. With a multi-disciplinary team of production chemists and petroleum engineers, our expertise ranges from production chemistry to reservoir, well construction and production technology.

Combined with our in-house technologies; the scale management software ScaleMan®, the scale monitoring service BSA™ and the patented scale prevention tool SPIN®, we can give independent advice throughout the full value chain from upstream to downstream environments.



The four I's – Keeping an EYE on Scale

Scale Protection's continous scale integrity management philosophy.



Example of ScaleMan software capabilities. Sulphate scale coverage and morphology trend plot combined with trends for ion, injection water fraction, scale potential (SR), residual inhibitor concentration (RSI) and minimum inhibitor concentration (MIC).

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HOW CAN SCALE PROTECTION HELP

In today's economic environment where the oil majors are pulling out from many regions, and the fields are taken over by smaller and leaner companies, in-house staffing may be at a minimum. Often, the production and reservoir engineers are left alone with managing scale problems.

Scale Protection can offer cost effective, cradle to grave scale integrity management services of high value in terms of scale monitoring, scale management strategies and reviews of both topside and downhole treatments.

An independent cradle to grave approach for scale integrity management can offer the following benefits:

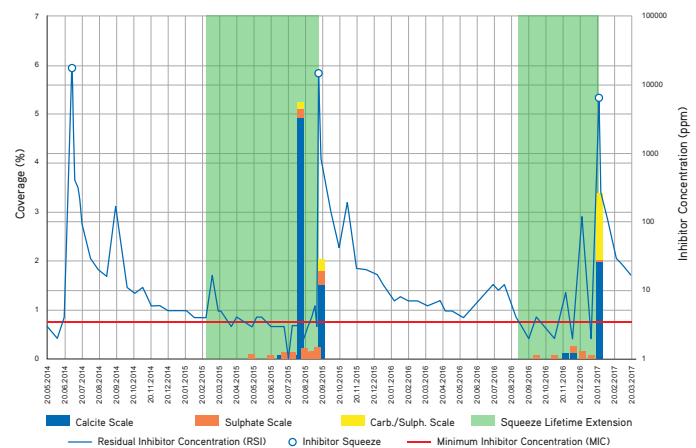
- Optimised chemical management
- Maintaining healthy wells with maximised production
- Reducing costs and environmental impact factors

Scale Protection do not provide chemicals, and the advisory service related to prevention will be given independently.

CONTACT:

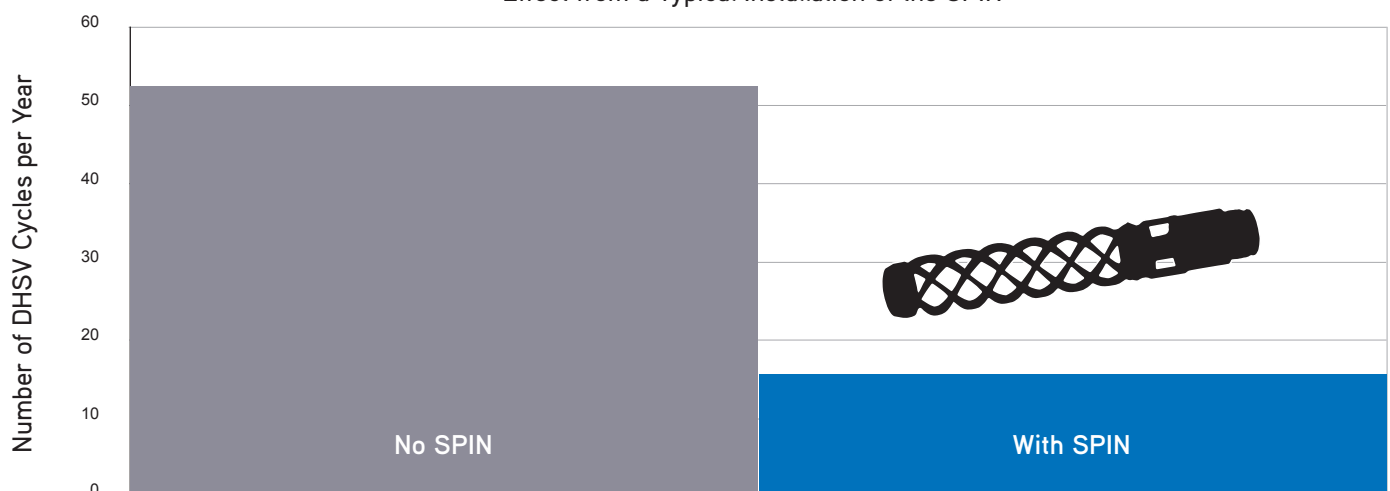
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BSA™ analysis of the amount and type of inorganic scale used for scale squeeze lifetime extension.

Effect from a Typical Installation of the SPIN®



Decrease in the number of DHSV cycles after installation of the SPIN® scale prevention tool.