

True Successes

PureChem Product Increases Efficiency of Water Injection Well

Challenge

Multiple customers in southern Alberta and Saskatchewan were experiencing flow restrictions and plugging on injection wells. Organics and solids carryovers in the injection water was causing the wells to pressure up, thus limiting water handling capabilities. The increased pressure required to inject the same volume of water was encroaching on regulatory pressure limitations and limiting the number of producing wells that could operate at the same time.

Solution

PureChem consulted with local operations regarding high oil carryover concentrations, filtration of injection waters and injection volumes. Given PureChem's knowledge of historical challenges in the area, millipore filtration tests were performed and PureChem's CC-1400, corrosion inhibitor was recommended.

Benefit

Utilizing CC-1400 allowed for increased injected water volumes using the same or lower pressures. The companies experienced cost savings as a result of reduced power consumption and was able to bring on more wells at a time.

CC-1400's corrosion inhibition properties also benefit older water injection systems still operating with cement mortar-lined pipelines.

Area

Southern Saskatchewan and Alberta

PureChem Products

CC-1400

