ChemTreat
Case History

Northwest USA Oilfield Paraffin Treatment

BACKGROUND

A light oil producer in the northwest United States was experiencing significant fouling issues because of paraffin on one of their gas lift production wells. There was significant wax deposition from the formation and tubing. The customer was using a wireline weekly and feeding a competitor's dispersant at over 500 ppm.

SOLUTION

ChemTreat began a trial using ***ChemTreat FL5478***. FL5478 was fed continuously with a capillary string at 3,500 ppm for the cleanup phase and was then optimized to 2,000 ppm.

RESULTS

Significant paraffin mitigation was observed over the course of the trial. Figure 1 illustrates the difference in the oil sample at the start of the trial compared to when the cleanup phase was complete.

FL5478 also began removing paraffin and cleaning up the tubing. Figure 2 shows the change from the cleanup phase to the post-cleanup phase.

SUMMARY

FL5478 was able to reduce paraffin in the treater oil samples significantly after the cleanup phase was completed. Paraffin volume decreased in the wireline scrape and samples.

Additionally, the customer noted that water clarity in the treater during testing was the best they had even seen on the unit, with reduced oil and grease going to the production tanks as an added benefit.

CH10-121 EN-OS
February 2021

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Figure 1.

Baseline oil sample
11-2-17

Oil after the initial cleanup phase
11-13-17

Figure 2.

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