CASE STUDY: COLOMBIA

EC Prime Plus fracturing system successfully increased injection rate

CHALLENGES

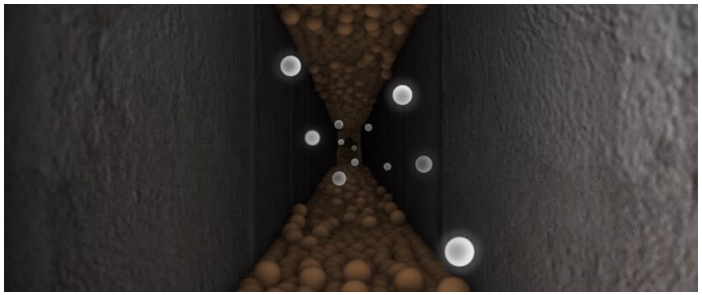
- As part of an Enhanced Oil Recovery program, the customer needed to increase the injection rate in a well with a net interval of 199 ft The well had low injection rates and showed a contrast of high permeability and leak off values
- The formation was damaged due to the presence and migration of fines, and there was communication between intervals, causing cross flow
- Additionally, the pressure values were close to the integrity limit of the well completion

SOLUTION

- Baker Hughes recommended the EC Prime™ Plus Fracturing System and pillar fracturing technology for its ability to enhance well recovery and improve injection rate
- A bullheaded treatment incorporating acid, fines control, and stabilizers (BH SSA 2% and Brine with FSA-2) was also recommended
- The inclusion of FSA-2 into the PAD stages of the fracturing fluid was advised
- Additionally, REAL Divert NW, Baker Hughes' particulate diverter, was also used in the fracturing schedule to ensure zonal coverage

RESULTS

- Performed pillar fracturing operation under the EC Prime™ Plus methodology, as reviewed and approved by customer and Baker Hughes technical authorities
- Achieved heights consistent with post-fracture temperature logging
- Successfully placed an EC Prime Plus treatment into the target zone while maintaining the integrity of the completion
- Customer was able to achieve the desired high water injection rates after the completed stimulation



Enhance your production through a stable, reliable pillar fracture network.

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