TBlockSure® Diverting Agent Enables Rig-Free Restimulation, Saves $40,000

Objectives

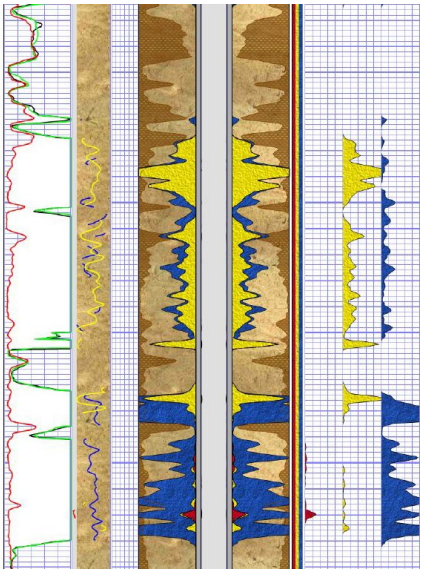
- Restimulate a six-stage well with 480 perforations over a length of 900 ft (274 m) by treating the zones that had been previously produced and then acidized.
- Achieve zonal isolation without using bridge plugs or straddle packers.

Our Approach

- Weatherford first performed modeling to predict the breakdown and stress contrast between the zones.
- The team then deployed the TBlockSure LT self-degradable diverting agent, which forms a mechanical diversion for zonal isolation in low-temperature environments. The diverter provided zonal isolation that enabled a complete restimulation of all 480 perforations.
- Finally, the team performed a high-pH flush to speed up degradation of the diverter and minimize shut-in time.

Value to Customer

- The TBlockSure agent enabled the well to be stimulated without remediation, packer movement, plugs, or a rig—which reduced operational costs by approximately US $40,000.
- The high-pH flush degraded the diverter to a liquid state and left the wellbore ready for production. Total shut-in time for the operations was 10 days.



The log illustrates TBlockSure diverter distribution across multiple vertical formations using three proppant tracers, identified by blue, yellow, and red.

LOCATION
Texas, United States

WELL TYPE
Oil producer

FORMATION
Permian Basin

CASING SIZE AND TYPE
5.5-in., 17-lb/ft K-55

TUBING SIZE AND TYPE
3.5-in. J-55

TEMPERATURE
138°F (59°C)

SECTION LENGTH
900 ft (274 m)

PRODUCTS/SERVICES
TBlockSure diverting agent and stimulation enhancer

Weatherford®

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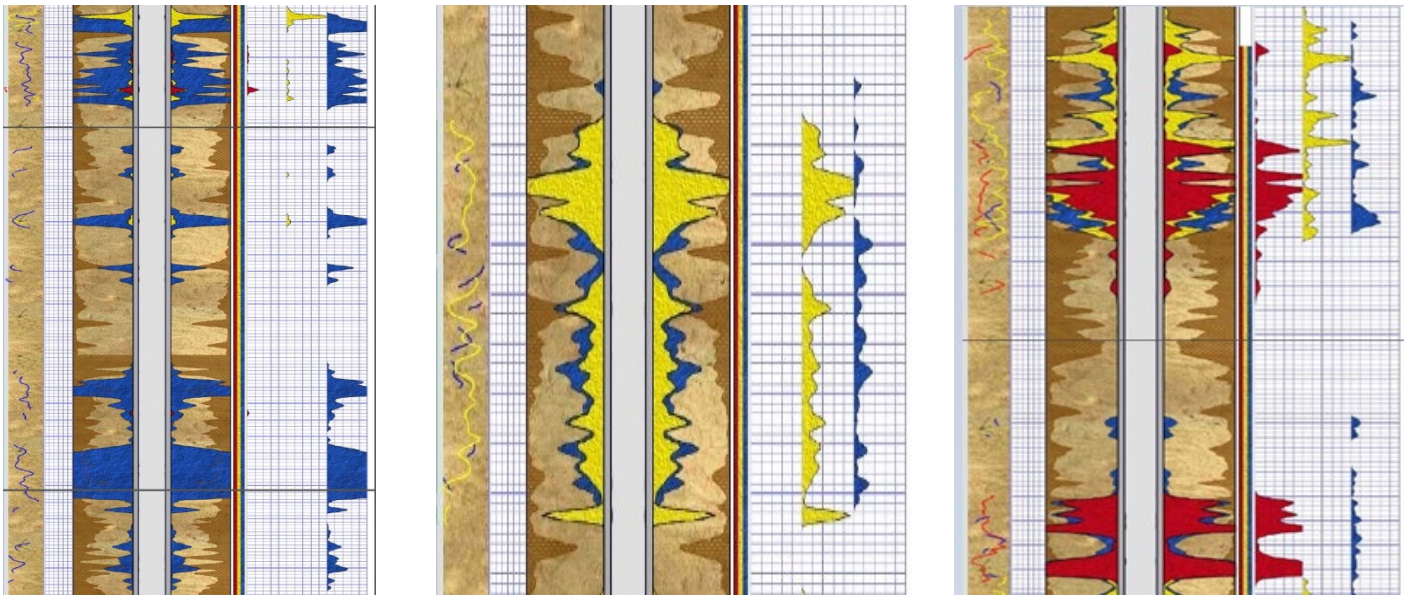

The log illustrates TBlockSure diverter distribution across multiple vertical formations using three proppant tracers, identified by blue, yellow, and red. The blue represents the first three stages, the yellow represents the middle three stages, and the red represents the final two stages.

