



Weatherford®

REAL RESULTS

ZoneSelect® System, FracGuard® Plug, Fraxsis® Packers Combine to Isolate 38 Zones, Create Hybrid Openhole Completion in Lateral Well

Objectives

- Efficiently treat the maximum number of zones in a 10,000-ft (3,048-m) lateral well. The 4 1/2-in., 13 1/2-lb/ft liner landed at a measured depth of 19,000 ft (5,791 m).

Results

- Weatherford deployed *ZoneSelect* sleeves in the toe of the completion and the *FracGuard* composite plug in the heel of the completion, each sleeve and plug isolated with *Fraxsis* packers.
- The liner was set using a Weatherford TSP liner-top packer with a Model-C hanger, and included the following components: 38 4.5- × 5.65-in. *Fraxsis* water swellable packers, 19 *ZoneSelect* SingleShot XL sleeves, and a *ZoneSelect* toe sleeve.
- The operator isolated 38 individual zones in the 10,000-ft (3,048-m) lateral well. The first 20 zones were treated using the *ZoneSelect* system. The final 18 zones were treated using *FracGuard* composite plugs.

Value to Client

- Using Weatherford's *ZoneSelect* technology, *FracGuard* plugs, and *Fraxsis* swellable packers eliminated cement in the lateral well and enabled the operator to complete the open hole.
- The zones treated with the *ZoneSelect* system decreased treatment time in each zone, reducing overall completion costs.
- Using the *FracGuard* composite plugs enabled the operator to maximize the contact with the reservoir and increase the initial production rates compared to the average completion.



Weatherford's *FracGuard* composite plugs combined with the *Fraxsis* swellable packers and *ZoneSelect* technology isolated 38 individual zones in a 10,000-ft (3,048-m) lateral well, decreasing the overall costs of the well while increasing production rates.

Location

North Dakota, USA

Formation

Bakken shale

Well Type

Onshore, oil

Well Inclination

Horizontal

Hole Size

6 in.

Measured Depth

19,000 ft (5,791 m)

Products/Services

- *ZoneSelect* SingleShot XL sleeves
- *ZoneSelect* toe sleeve
- *Fraxsis* water swellable packers
- *FracGuard* composite plug
- TSP liner-top packer with a model-C hanger

Weatherford
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