



Weatherford®

REAL RESULTS

Fraxis® ASPs Isolate 36 Zones for Fracturing Operations, Eliminate Cementing Requirement

Objectives

- Isolate 36 zones for horizontal openhole fracturing operations.
- Eliminate the need for cementing.

Results

- Weatherford successfully installed 35 *Fraxis* annulus swellable packers (ASPs) throughout 36 zones to 20,080 ft (6,102 m) measured depth.
- The slim design and compact length (5 ft/1.5 m) of the *Fraxis* ASPs enabled the operator to run the completion in a single run through the tight horizontal section without additional downtime.
- Weatherford's proprietary, antiextrusion backups enabled shorter element length, reducing drag and facilitating a successful deployment.

Value to Client

- Using Weatherford's *Fraxis* ASPs enabled the operator to isolate all 36 zones for multizonal fracturing operations, increasing total production.
- The *Fraxis* ASPs eliminated the need for a cement job, reducing overall operational costs.

Weatherford's *Fraxis* ASPs are designed for the challenges and rigors of high-performance fracturing isolation. The packers' high-strength elastomers and extrusion-control backup systems, which enable swellable elements, achieve high differential pressure ratings in overgauged hole sizes. These ASPs can also accommodate downhole temperature changes experienced while pumping fracturing fluids.



Location

Williston, North Dakota, USA
Rocky Mountain District

Formation

Bakken shale

Well Type

Horizontal oil

Hole Size

6 in.

Depth

20,080 ft (6,120 m)

Casing

4 1/2-in., 11.6-lb/ft (17.3-kg/m) P110

Products/Services

Fraxis annulus swellable packers

Weatherford
Iain Greenan
Applications Engineer
iain.greenan@weatherford.com