

Weatherford®

REAL RESULTS

Fraxsis® 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 Fraxsis 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 Fraxsis
 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 Fraxsis ASPs enabled the operator to isolate all 36 zones for multizonal fracturing operations, increasing total production.
- The Fraxsis ASPs eliminated the need for a cement job, reducing overall operational costs.

Weatherford's *Fraxsis* 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

Fraxsis annulus swellable packers

Weatherford Iain Greenan Applications Engineer iain.greenan@weatherford.com Weatherford products and services are subject to the Company's standard terms and conditions, available on request or at weatherford com. For more information contact an authorized Weatherford representative. Unless noted otherwise, trademarks and service marks herein are the property of Weatherford and may be registered in the United States and/or other countries. Weatherford products named herein may be protected by one or more U.S. and/or foreign patients. For more information, contact patients@weatherford.com. Specifications are subject to change without notice. Weatherford selfs its products and services in accordance with the terms and conditions set forth in the applicable contract between Weatherford and the client.