

REAL RESULTS

ZoneSelect[™] System, Fraxsis[®] and BULLDOG[™] Packers Cement Upper Casing, Isolate 16 Zones, Save 10 Days Rig Time

Objectives

- Set an openhole completion to 10,620 ft (3,236 m).
- Cement the upper portion of the well and hold the column of cement so that the cement does not fall to the bottom of the wellbore.
- Isolate 16 zones using fresh water as the completion fluid. The downhole temperature of 160°F (71°C) is a potential challenge because the lower temperature causes the swellable elastomers to swell slowly, adding unwanted time to the completion operation.

Results

- Weatherford personnel deployed a mechanical port collar in conjunction with Weatherford's *ZoneSelect* fracturing system consisting of the *Fraxsis* annulus swellable packers, SingleShot fracturing sleeves, and *BULLDOG* inflatable packers.
- The port collar was set at 5,600 ft (1,706 m), and the BULLDOG packers were inflated below the collar to hold the column of cement.
- Using a ball-drop system and Weatherford's *Fraxsis* swellable packers, the operator isolated 16 zones using fresh water as the completion fluid. A set of fast-swelling elastomers was used to overcome the downhole temperature challenges and meet the operator's time requirements.
- The wellbore achieved zonal isolation in the required 15 days, and the wellbore was successfully fractured.

Value to Client

- Using Weatherford's *ZoneSelect* openhole completion system enabled the operator to avoid deploying intermediate casing, drilling up a stage tool, and performing the standard plug-and-perforation operation.
- A total of 10 days of intervention and rig time and all associated costs were saved.

Using a combination of Weatherford's *ZoneSelect* fracturing system, *Fraxsis* annulus swellable packers, SingleShot fracturing sleeves, a mechanical port collar, and *BULLDOG* annulus casing packers, the operator cemented the upper portion of a 10,620-ft (3,236-m) well and isolated 16 zones in the wellbore, saving over 10 days of intervention time and associated costs.



Location Monument Butte, Uintah Basin, Utah

Formation Uteland Butte

Well Type Onshore, oil

Well Inclination Horizontal, 90°

Hole Size 6-1/8 in.

Depth 10,620 ft (3,236 m)

Casing 4-1/2 in.

Products/Services

- ZoneSelect openhole completion system
- Fraxsis annulus swellable packer
- SingleShot fracturing sleeve
- BULLDOG annulus casing packer
- Mechanical port collar

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