

**CHALLENGE**

The client’s well was fracked when it was completed, and flowed as high as 900 MCF/d of wet CBM gas. Within 2 years, the gas production rate had dropped by 75%.

Several acid treatments were done over the next few years, usually resulting in an increase from 50% – 100% that would last 2 to 4 months. The client decided to try a WASP® treatment to see if better results could be obtained.

**HIGHLIGHTS**

CBM gas field  
Vertically drilled  
Perforated completion  
Hydraulically fractured

**LOCATION**

Uintah Basin, Utah

**CONDITIONS**

Depth: 4,700 ft (1,430 m)  
Ferron coal-bearing sandstone

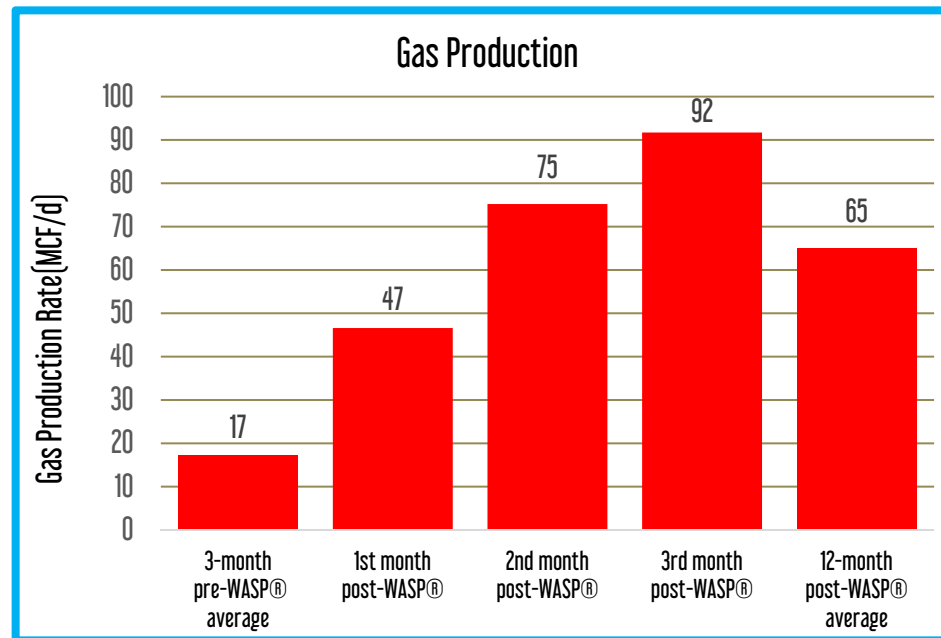


Producing Well

**OUTCOME**

- The well saw an immediate increase in gas production, which continually rose over the next 3 months
- The average gas production increased from 17 MCF/d to 71 MCF/d in a 3-month comparison, an increase of over 300%
- The average gas production for the 12-months post-WASP® was 65 MCF/d, a 280% increase over the pre-WASP® rate

**Over 300%  
increase in  
gas production**



**SOLUTION**

Improve connectivity to the reservoir by clearing out blockages using electro-hydraulic stimulation technology

- The wellbore was cleaned by a bit & scraper run
- The Blue Spark WASP® 275 (Wireline Applied Stimulation Pulsing) tool was run on third-party E-Line to the perforated intervals
- Four perforated intervals of 20 ft total (6 m) were treated in less than 8 hours of total operating time with our wireline conveyed tool to improve flow through the formation rock
- The well was put back on production and monitored

