

CHALLENGE

Our client had experienced a significant drop in total fluid production in these wells over the last several months. Conventional treatments, such as acid stimulation, had yielded short term results and required frequent re-treatments. To solve near wellbore issues in the reservoir, an alternative remediation technique that was efficient and cost-effective was required.

HIGHLIGHTS

- Onshore
- Conventional oil
- Vertically drilled
- Perforated completion

LOCATION

Permian Basin (Texas, U.S.A)

CONDITIONS

Depth: 7,000 ft. (2,134 m)
Formation: Dolomitized carbonate



Producing Wells

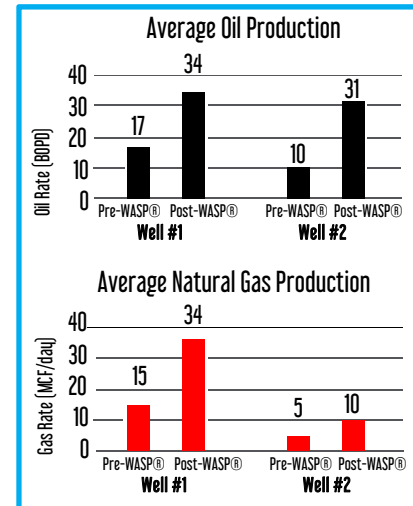
OUTCOME

Increase oil and gas production in both wells:

- The December 2013 well showed an average increase of 100% (17 BOPD) in oil production and 127% (19 MCF/d) in gas production over 5 months since treatment
- The March 2014 well showed a 210% (21 BOPD) increase in oil production, and 100% increase (5 MCF/d) in gas production over the 2 months since treatment
- The client is evaluating other candidates wells for electro-hydraulic stimulation

**140% increase
in oil production**

**120% increase
in gas production**



SOLUTION

Improve connectivity to the reservoir using electro-hydraulic stimulation technology

- In conjunction with a workover, the tubing and bottom hole assembly were pulled and the WASP® (Wireline Applied Stimulation Pulsing) tool was deployed
- Two separate candidate wells were treated (December 2013 and March 2014) with the WASP®. In both cases, 80 ft. (24m) of interval were treated in less than 24 hours.
- The client ran production tubing and pump assembly into the wellbore, and began monitoring the production pressures and fluid levels
- An immediate increase in production was observed