Flex Flow System Achieves Faster Frac Flowback

Opportunity

An operator in Andrews, Texas, allowed GR Energy Services to compare the performance of an electrical submersible pump (ESP) with a Flex Flow* system, comprising a horizontal pumping system (HPS) and a hydraulic jet pump (HJP). The test was run in two adjacent and similar wells after hydraulic fracturing and flowback. Well 1 was lifted with a Flex Flow system, and Well 2 was placed on an ESP.

Well specifications

Casing 5½ in.
Tubing 2½ in.
TVD 10,000 ft

Success

The Flex Flow system consistently lifted higher volume than the ESP during the first year of production. In addition, the Flex Flow system has a lower upfront cost than the ESP, and the operator gained hundreds of thousands of dollars in additional profit.

The Flex Flow horizontal pumping system drives a hydraulic jet pump downhole.

![Graph showing BFPD against Days on Production for Flex Flow system and ESP](graph.png)

*Mark of GR Energy Services