

Montney Operator Reduces Well Completion Cost by \$125,000 while Achieving a Production Uplift of 18% Over Offset Type Curve

Challenge

- + A ShearFRAC partner that operates in the Montney formation was looking to reduce capital inputs and fluid usage while maintaining baseline production
- + Reduction of water usage is a top priority due to environmental restrictions and drought conditions in Canada

Solution

- + Quantify fracture frequency and magnitude in real-time during completion operations using non-invasive surface pressure measurements
- + Data driven decisions were made during operations to improve the application of fluid, proppant and chemicals
- + Pump schedules were modified based on the response from the reservoir to create a higher density of complex near wellbore fractures (secondary fracture network)

Results

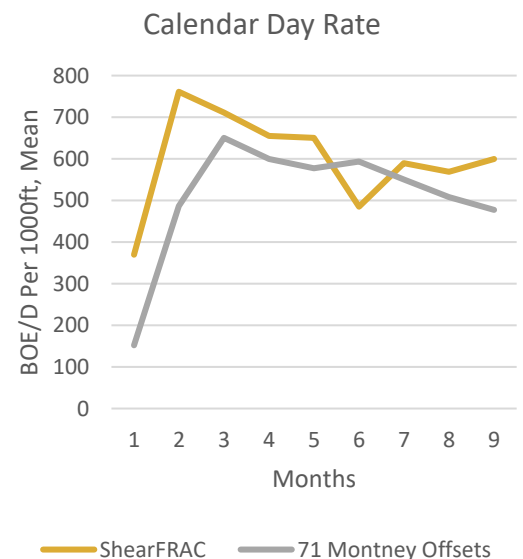
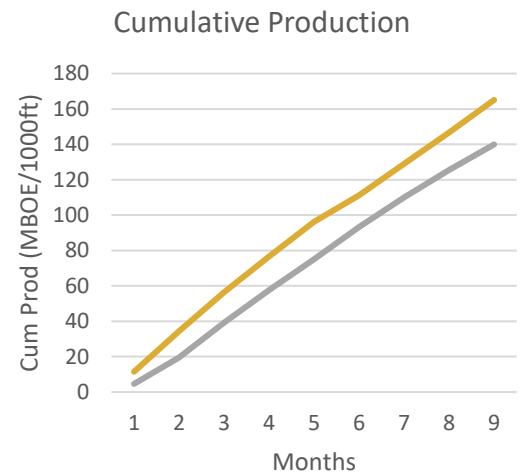
- + Our partner realized higher consistency in pumping operations reducing well completion time by 11 hours, fluid usage by 11% (4,000m³) and friction reducing chemicals by 29% (3000L)
- + Cost savings due to the higher efficiency in operations exceeded \$125,000/well above the cost of the data acquisition
- + The enhanced fracture network resulted in an improvement of 18% in 9 mo. cumulative production results when compared to 71 Montney offsets in the area
- + The complex secondary fracture network has shown sustained uplift in daily rate after 270 days production

Basin – **WCSB**

Formation – **Montney**

Location – **Wembley, AB**

Prod. Well Type – **Liquids Rich Gas**



Balancing Operational Efficiency with Fracture Effectiveness

For More Information:

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