



# APPLICATION UPDATE

## Advanced Offset Frac Monitoring

### SUMMARY

The Alberta Energy Regulator (AER) Directive 83 and Drilling and Completion Committee (DACC) Industry Recommended Practice (IRP) 24 have mandated that well owners continuously monitor and record wellbore fracture operations to prevent and mitigate the loss of wellbore integrity into any at-risk offset wells within the Fracture Planning Zone (FPZ).

In accordance with the requirements, all well owners must document a fracture control and wellbore integrity plan for each at-risk offset well. This plan must include details of how the offset wells will be monitored throughout the fracturing operation should there be an integrity breach. If communication occurs, the operator must demonstrate accountability for monitoring and early shutdown, preventing further loss of wellbore integrity.

### APPLICATION

Prospective clients approached Ventbuster Instruments for a more informative and accurate technology for real-time visualization and monitoring of offset wellbores within the FPZ. Conventional data loggers, downhole pressure gauge build-up tests, and an array of imprecise meters could no longer meet the regulatory requirements and recommended practices now in place for offset frac monitoring.

### PROBLEM SOLVED

With tried and tested Ventbuster® equipment deployed on over 4000 wellhead vents in Canada, the USA and Australia, we effortlessly adapted our technology for intuitive, sensitive, and precise offset frac monitoring in compliance with AER and IRP requirements.

- Real-time continuous monitoring detects any pressure and temperature changes and any resultant casing vent emissions simultaneously.
- Data is digitally recorded and transmitted live to our secure IoT platform.
- The online dashboard display can be viewed by the client anywhere in real-time.
- Proven, reliable, accurate, and auditable monitoring and reporting.

To meet the regulatory and recommended practices or to improve offset frac monitoring capabilities, contact us at [info@ventbusters.com](mailto:info@ventbusters.com) to discuss and implement your solution.

*For further information about Ventbuster Instruments and our technology, please visit our website at [www.ventbusters.com](http://www.ventbusters.com). Gain insight into our technology, its function and deployment and review our technical data sheets and other information documents.*