

# A life of Field Monitoring Array for the Sanish Field, North Dakota

*Peter M. Duncan<sup>1</sup>*

*A permanent microseismic monitoring array consisting of a 292 stations has been deployed across the 394 km<sup>2</sup> Sanish Field of North Dakota. The array is connected by wireless telemetry and can be monitored continuously. Since it was first turned on, March 1 of last year, it has monitored an average of 125 frac stages per month. The low operating cost of such an array allows the operator to monitor every frac treatment in the field and offers the potential for the monitoring of other production processes beyond well stimulation.*

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