

Overview of Bakken Research Consortium, North Dakota

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The Bakken Consortium was conceived as an opportunity to deploy the most advanced available technology to investigate opportunities to optimize the drilling, completion and production of horizontal Williston Basin Bakken wells. Of special significance was the implementation of microseismic technology to monitor fracture initiation and growth. In an effort to maximize the potential for successful microseismic monitoring, it was decided that three parallel horizontal wellbores would be drilled within a 640 acre unit. Two of the wellbores would be completed using completion methods common to the Williston Basin. The middle wellbore would be used initially to deploy geophones horizontally in the Bakken to allow for microseismic monitoring of fracture stimulation.

The primary operational phase of the project has been completed. All three wells have been drilled; both producers have been completed and stimulated and are currently producing. Pertinent aspects of the drilling and completion phase are summarized in this presentation.

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Doug McCrady graduated from Marietta College in 2002 with a Bachelors degree in Petroleum Engineering. He subsequently went to work for Marathon Oil Company supervising drilling rigs in Oklahoma and Texas. In 2004, Doug took a position with Headington Oil Company in Dallas, Texas, as a Reserves Coordinator. In June 2007, he moved to Denver, Colorado, to serve as Engineering Supervisor in the Headington's Rocky Mountain Division. Doug currently works for XTO Energy Inc. in Denver as a Production Engineer.