

Can't Complete Without it: Understanding the complexities of sourcing water

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The Duvernay Formation presents challenges in sourcing water for well completions. This presentation will address the intricate process of identifying and securing water resources, focusing on some of the complexities specific to the requirements for the Duvernay play. Attendees will learn about the latest techniques in hydrogeological mapping, the role of geology and hydrogeology to locate suitable water sources. We will discuss the importance of water quality, including total dissolved solids, hydrologic head, and their impact on well placement and performance. Additionally, this presentation will cover sustainable water management practices, potential regulatory considerations, with water transportation and disposal for Duvernay operations.