

Top Quartile Oil Sands Reservoirs - EnCana Foster Creek SAGD Project, Cold Lake Area, Alberta, Canada

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Abstract

The EnCana Foster Creek SAGD project is located along the southern end of the Primrose Ridge. The estimated 1.5 billion barrels of exploitable bitumen consisting of high quality, continuous pay is created by multiple stacked channel deposits. Stacking is achieved as a result of the McMurray river system being forced to diverge westerly and easterly around the Primrose Ridge. This interpretation is supported by paleocurrent data from over 300 borehole imaging logs (FMI) and examination of over 80 McMurray cores.