

## **Facies Study of the West Ells SAGD Project, Athabasca Oilsands**

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### **Abstract**

A facies study was conducted over the four sections outlining the West Ells SAGD Project (Figure 1). The primary focus was to enhance reservoir characterization for modeling, simulation, and future well pair placement. Although limited in areal extent, the project also resulted in refinement of the existing depositional environment interpretations. Key surfaces and facies were picked from 42 cored wells, using standard log suites, core photos and Compact Microimager (CMI) logs. The facies data was then converted to LAS files and used to constrain core analysis cross plots to identify trends and correlations. Net facies maps were created to show any depositional trends over the project area. The final data is being used to refine the geomodel and run various reservoir simulations.