

Spring Coulee, Alberta: Geology, Production and Potential Hydrocarbon Bearing Zones

Lauren Ostridge and Robert Stewart
University of Calgary, Calgary, AB, Canada
ostridge@ucalgary.ca

Abstract/Excerpt

The University of Calgary holds the mineral rights to sections 14 and 23, township 4, range 23 west of the fourth meridian in the Spring Coulee area in southern Alberta. The CREWES Project is examining the hydrocarbon potential of the area and has recently shot an extensive 3C-2D seismic survey in the area. Across southern Alberta, gravity surveys have observed anomalies and deep seismic data has indicated that pre-Cambrian faulting is present on a large scale, which is then reflected in the younger Cretaceous sediments (Paukert, 1982). A very preliminary investigation into how the large-scale faulting occurs in the Spring Coulee area with respect to the University of Calgary land has been undertaken.