

Bitumen Evaluation in the Grosmont Carbonate Reservoir: A Case Study of Wireline Technology Applications

Rob Badry¹ and Jason Smith²

¹*Schlumberger, Calgary, Alberta, Canada*

²*Laricina Energy Ltd., Calgary, Alberta, Canada*

Abstract

In this case study, magnetic resonance, dielectric dispersion, gamma ray spectroscopy, and cased hole pulsed neutron tools are used in conjunction with conventional porosity logs to calculate weight-percent bitumen in the Grosmont formation. These results are compared to weight-percent bitumen obtained using Dean Stark analysis of core samples.