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**Wednesday, Oct 26th 2016**

**CWLS TECHNICAL LUNCHEON PRESENTATION**

**FAIRMONT PALLISER HOTEL**

133 - 9th AVE. S.W. CALGARY

**TIME:** Lunch served at 11:30 am, Presentation starts at 12:00 pm

**TOPIC:**
Delineation of Thermally Altered Zones along Second Stage SAGD Producer Wells through Resistivity Characterization using LWD Azimuthal Propagation Tool

**COST:**
CWLS members reserved meal: $40.00; non-members reserved meal: $45.00; Special needs meals need to be requested by phoning the office directly.

**Tickets will NOT be available at the door.**

**RESERVATIONS BY:** Monday, Oct 24th 2016 (NOON) – Register Online at [http://www.cwls.org/events/](http://www.cwls.org/events/)

**SPEAKER:** Alan D. Cull, Halliburton Sperry Canada

**ABSTRACT:**
As SAGD projects mature, there are opportunities to increase production and reduce SOR through second stage producer wells. Understanding the thermal influence from nearby SAGD well pairs offers the ability to adjust well paths and project strategies to assist with these objectives. Azimuthal resistivity LWD (logging while drilling) tools detect resistivity variations within several meters of the wellbore providing insight into the surrounding oil saturation and thermally influenced zones. Adding this LWD approach to a second stage producer offers increased understanding of a thermal producing reservoir providing information to enhance well placement and production.

**BIOGRAPHY:**
Alan Cull has been involved with geosteering and optimal horizontal well placement for 16 years. Started his geosteering career on well site with a Bachelor’s of Science from Memorial University of Newfoundland and the simple question "How can we position this well better?". Since then he has been directly involved in geosteering over 1100 horizontal wells for various companies including CNRL, Harvest Energy and EnCana (AEC) with a range of experience from conventional, CSS to SAGD. Alan joined Sperry’s geosteering team in 2010, specializing in geosteering with resistivity LWD tools. In 2012 he became coordinator for Sperry’s Canadian geosteering group.