Universal Sandstone
Well Cuttings Comparator Set

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Canadian Geologists will have another tool available to facilitate the accurate description of siliciclastic cuttings samples. In conjunction with Continental Rocktell Services, Doug Hayden of Hayden Geological Consulting is producing a Rock Cuttings Comparator Set, which can be applied to a wide variety of siliciclastic reservoirs in the Western Canada Sedimentary Basin (W.C.S.B.) and formations world-wide.

The Universal Sandstone Well Cuttings Comparator Sets will be made available to all individuals that are interested in possessing a robust comparison tool for use with siliciclastic drill cuttings. The comparators cover what we feel are the most challenging and critical range of porosity in potentially productive sandstone reservoirs (6-14 % φ).

Also, an additional reference component will be available to compliment the physical rock comparator sets. Cuttings samples with unique rock properties will be further characterized with relevant petrologic data, and this data will be made available to clients as a quick reference CD-ROM. This modular system will be used to further describe the sample within the comparators, outlining the specific rock properties significant for hydrocarbon production. Petrological data in this component of the package includes total porosity, effective porosity, sample mineralogy, rock fluid sensitivity, digital drill cutting photographs, and thin-section photomicrographs. The CD’s easy to use format will allow the rapid comparison of the cuttings samples from wellsite to measured standards significant to oil and gas producers.

The utilization of advanced petrographic analysis during the drilling, and evaluation of a well is often advantageous, however, too often it is omitted as the generation and evaluation of this data must be completed prior to the operational decisions being formulated.

Compounding the importance of accurate detailed descriptions being generated from wellsite is the fact that often the project Geologist may have little contact with rock samples from an actively drilling well. Such an approach can have

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