

Duvernay Geochemical Study 1

Fox Creek

Trican Geological Solutions is proud to offer our Fox Creek Duvernay geochemical study.

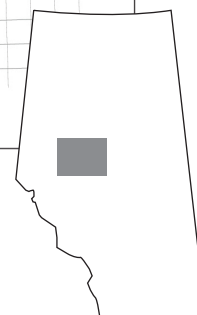
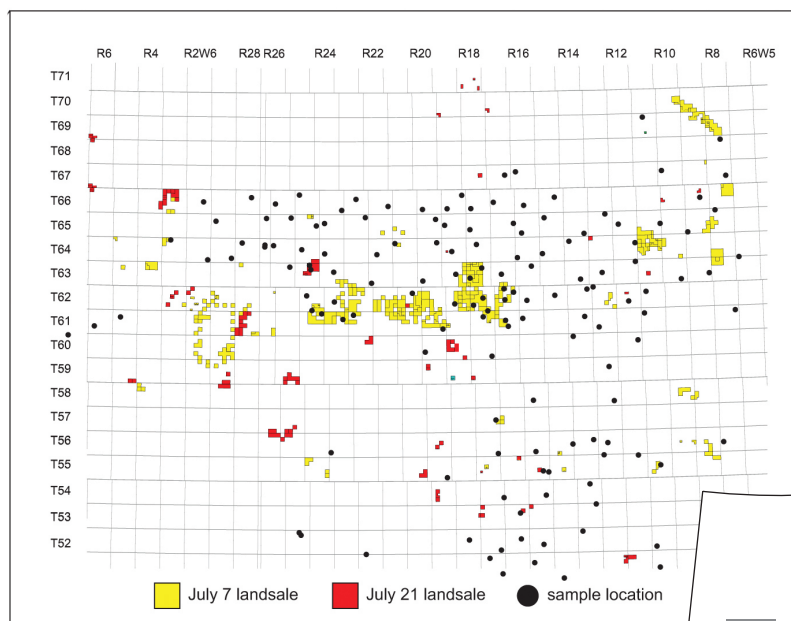
Fox Creek Duvernay Study

The Fox Creek Duvernay geochemical study analyzed 154 wells to provide geochemical data for the Fox Creek landsales in July 2010. The study focused on the light hydrocarbon potential of the Duvernay shales, with two to three samples per well location tested. All data included is new and has been generated by Trican Geological Solutions. Each sample was handpicked by highly trained and experienced geologists from archived cuttings, and each well has at least one SRA/RockEval analysis, as well as one interpreted XRD trace.

Deliverables

SRA Analysis:

- Where is the Duvernay relative to the oil window?
- Do these shales have the potential capability to produce and store light hydrocarbons or dry gas?
- Which lands have the greatest potential based on the geochemistry?
- Where is the total organic carbon distributed and in what amount?



Well Loc				Depth (ft) Top	Depth (m) Top	Tmax °C	S1 (mg/g)	S2 (mg/s)	S3 (mg/s)	PC (%)	PI	S2/S3	S1/TOC	TOC%	HI	OI
LSD	Sec	Twp	Rge/Mer													
x	xx	xxx	xxx	11320	3450	452	0.26	0.92	0.43	0.10	0.22	2.14	0.07	3.54	26	12

XRD Analysis:

- What is the mineralogy of the Duvernay?
- How are the carbonates and quartz distributed?
- What is the relationship between the TOC and the mineralogy?
- Does this provide a high-grading of the landsale blocks?

Well Loc				Depth (ft) Top	Depth (m) Top	Quartz	Feldspar Microcline	Carbonates			Clays	Sulphides	TOC (wt%)
LSD	Sec	Twp	Rge/Mer					Calcite	Dolomite	Ankerite	Illite	Pyrite	
x	xx	xxx	xxx	11456	3492	19.3	8.4	29.3	18.1	10.4	10.9	3.5	3.78

Sorption Capacity & TOGIP Modelling:

- What are the hydrocarbon resources per section?
- What variables are important?

The study integrates ten unpublished Bustin et. al. adsorption isotherms from the Duvernay to determine gas capacities.

The study also includes 72 cases modelling total free and sorbed gas variables using Trican Geological Solution's proprietary analytical software to evaluate the light hydrocarbon potential. Variables include ranges in porosity, reservoir temperature and pressure, gas compositions and sorption capacity.

Data

The basic data will be provided in .xls format for tables and charts. The maps and charts include only the basics for lateral and vertical trends.

Terms

The original six subscriptions were sold prior to July 7, 2010, with further subscriptions now available at a cost of \$35,000 + GST. The data will be delivered within a day of the contract being signed.

Conditions

A confidentiality agreement will be required to restrict transfer of data to outside parties. The data remains the property of Trican Geological Solutions.

Trican Geological Solutions, formerly CBM Solutions Ltd., specializes in unconventional reservoir evaluation. We have analyzed and evaluated rock from most major basins in the world and are currently active in North America, Europe and Australia. Trican Geological Solutions offers a broad range of field and laboratory services, focusing on comprehensive reservoir evaluation.



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