



DUVERNAY GEOCHEMICAL STUDY 1- Fox Creek



DATA AVAILABLE NOW

CBM Solutions and Trican Well Service Ltd. are pleased to announce the availability of our Fox Creek Duvernay geochemical study .

Update: September 13, 2010 news release:

....Celtic Exploration Ltd., as operator, has drilled and completed its first exploration horizontal well at Kaybob South targeting the Devonian Duvernay shale formation. The well, which is located at 00/15-33-060-20W5.... The horizontal lateral was 1,787 metres... After three days on test, the well is currently producing natural gas at a rate of 2.1 MMCF per day and 56°API condensate. The gas is liquids rich and is expected to yield total liquids of approximately 75 barrels perMMCF of raw gas including free condensate..... [LET CBMS' STUDY HELP YOU UNDERSTAND HOW MUCH GAS OR LIQUIDS AND WHERE TO GO ON YOUR LANDS](#)

General:

154 wells have been analyzed to provide a geochemical data set to the explorer of the Fox Creek landsales in July 2010. The focus of the study is the light hydrocarbon potential of the Duvernay shales. Two to three samples per well location have been tested. All data included is **NEW** and has been recently generated by CBM Solutions. Samples have been hand-picked by CBM Solutions geologists from archived cuttings. Each well has at least one SRA/RockEval analysis and one interpreted XRD trace.

Terms:

Original six subscriptions sold prior to July 7, 2010. Subscriptions available NOW.

Price is \$35,000 + GST. Data will be delivered the next day after the contract is signed.

Conditions:

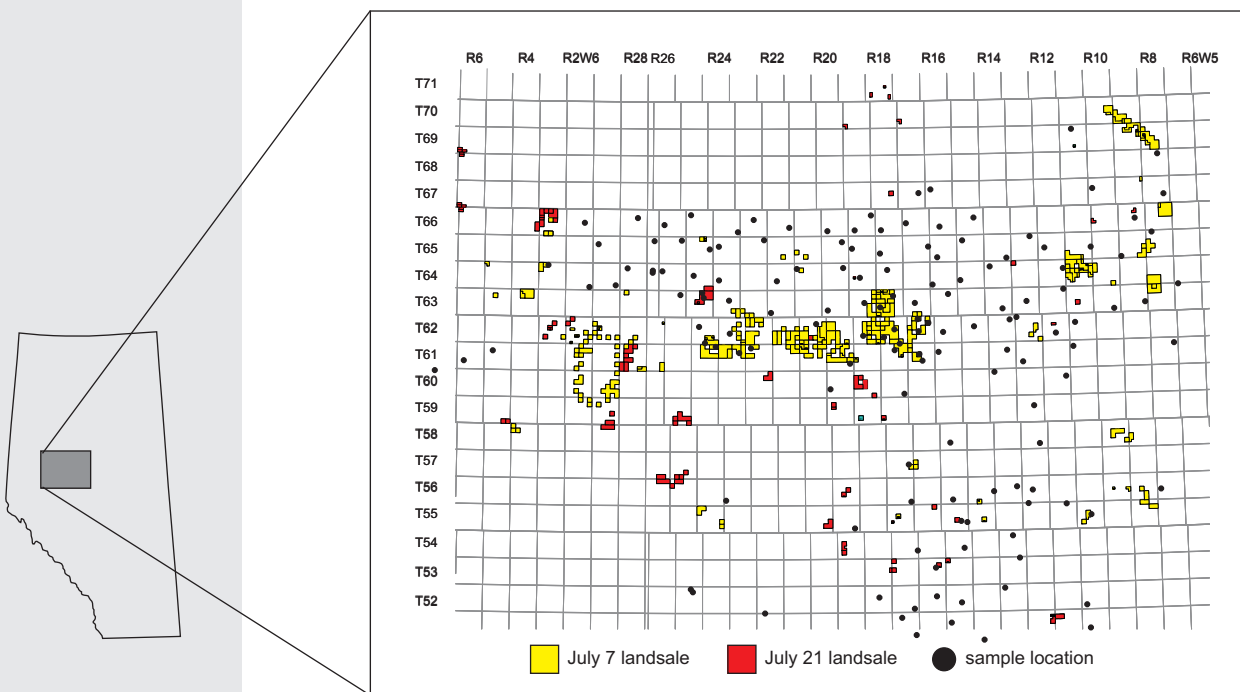
A confidentiality agreement will be required to restrict transfer of data to outside parties. Data remains the property of Trican Well Services Ltd.

Contact:

ron.brezovski@cbmsol.com or brent.nassichuk@cbmsol.com

403-510-8154

403-703-1908



Deliverables:

SRA analyses: why? 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? In what amount?

SRA analyses provides:

Well Loc				Depth (ft)	Depth (m)	Tmax	S1	S2	S3	PC	PI	S2/S3	S1/TOC	TOC%	HI	OI
LSD	Sec	Twp	Rge/Mer	Top	Top	°C	(mg/g)	(mg/g)	(mg/g)	(%)						
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 Analyses: Why? 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?

XRD analysis and calculated quantitative Rietveld data:

Well Loc				Depth (ft)	Depth (m)	Quartz	Feldspar	Carbonates			Clays	Sulphides	TOC
LSD	Sec	Twp	Rge/Mer	Top	Top		Microcline	Calcite	Dolomite	Ankerite	Illite	Pyrite	(wt %)
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 modeling: Why? What are the hydrocarbon resources per section? What variables are important?

Ten unpublished Bustin et. al. adsorption isotherms from the Duvernay have been integrated into this study to determine gas capacities.

72 runs modeling total free and sorbed gas variables using CBM Solutions proprietary analytical software are included to evaluate the light hydrocarbon potential. Variables included are ranges in porosity, reservoir temperature & pressure, gas compositions, and sorption capacity.

The basic data:

.xls format for tables and charts

Maps & charts: just the basics for the lateral and vertical trends. You map better than us anyways.

- Tmax distribution map
- Tmax vs depth and oil window chart – all wells
- Mineralogy with TOC correlation chart
- Quartz distribution map
- 72 TOGIP cases in chart and table format