

LOWER ST. LAWRENCE Conventional HTD Play

A. Aubiès-T., PhD., geo. & P. Laroche, ing., geo.

APGQ - QOGA

OCTOBER 31st 2016

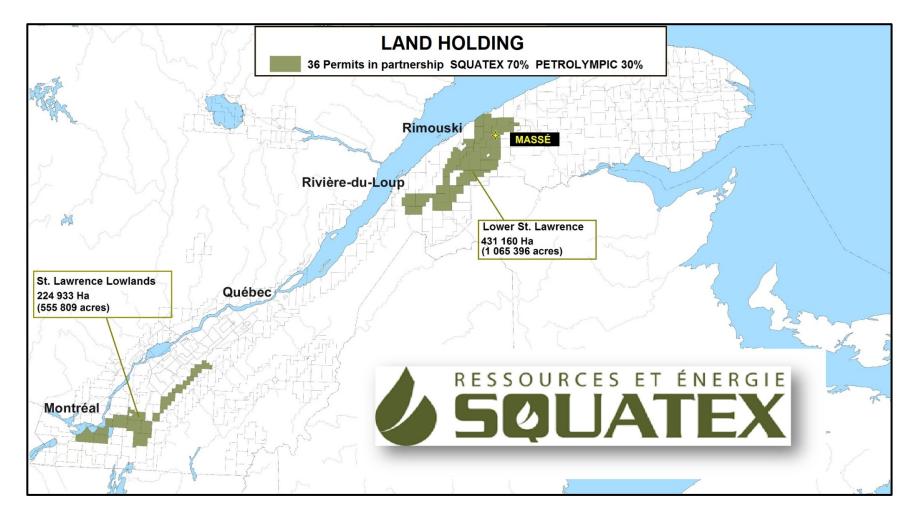
2001 - 2016 15 YEARS OF ACHIEVEMENT

FORWARD LOOKING STATEMENTS

Certain statements made herein may constitute forward-looking statements. These statements relate to future events or future economic performance of Ressources & Energie Squatex inc (SQUATEX) involve risks, uncertainties and other known and unknown factors that may appreciably affect their results, performance or achievements compared to what expressed or implied by the statements of SQUATEX.

Actual events or results could differ. Consequently, the decision to invest in securities and SQUATEX should at no time be based on such statements. SQUATEX disclaims any intention and assume no obligation to update such statements.

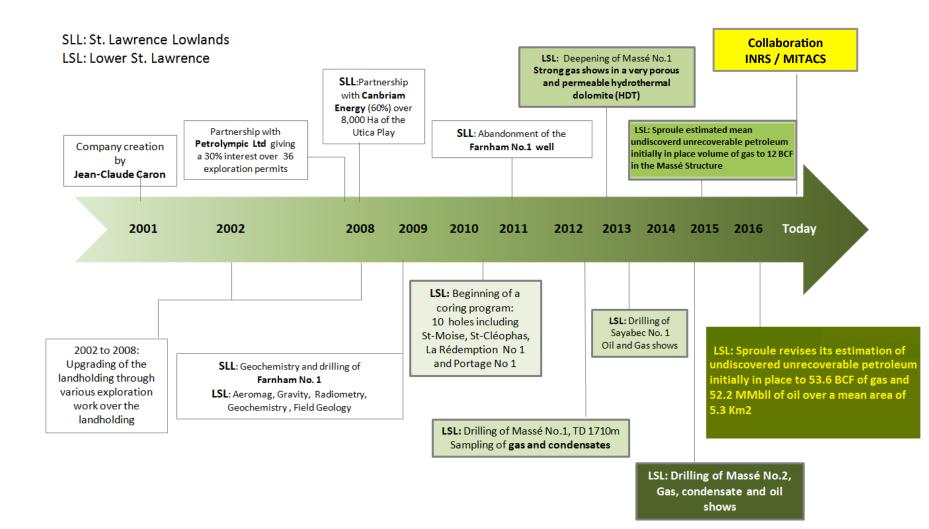
SQUATEX EXPLORATION LICENCES



656 093 Hectares (1 621 205 Acres)



SQUATEX: 15 YEARS OF ACHIEVEMENT



OUR DRILLING TECHNIQUES : SLIM HOLE REDUCED ENVIRONNEMENTAL IMPACT AND COST

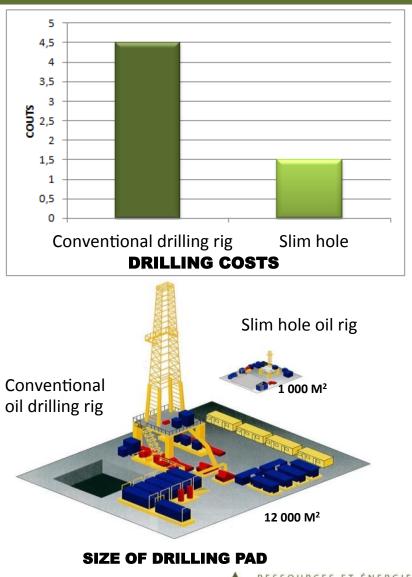
Since 2010, SQUATEX, like some major oil and gas companies such as Shell, Amoco, Total and Conoco Phillips, is using slim hole drilling techniques.

➤ The same well information and technical data are gathered at cost far lower than by using a conventional oil drilling rig.

Our resulting holes can be eventually completed and put into production.

The small well pad design allows to greatly reduce ambient noise, pollutants and the need of large quantity of water.

Squatex drilling activities have a greatly **REDUCED IMPACT** on the environment.

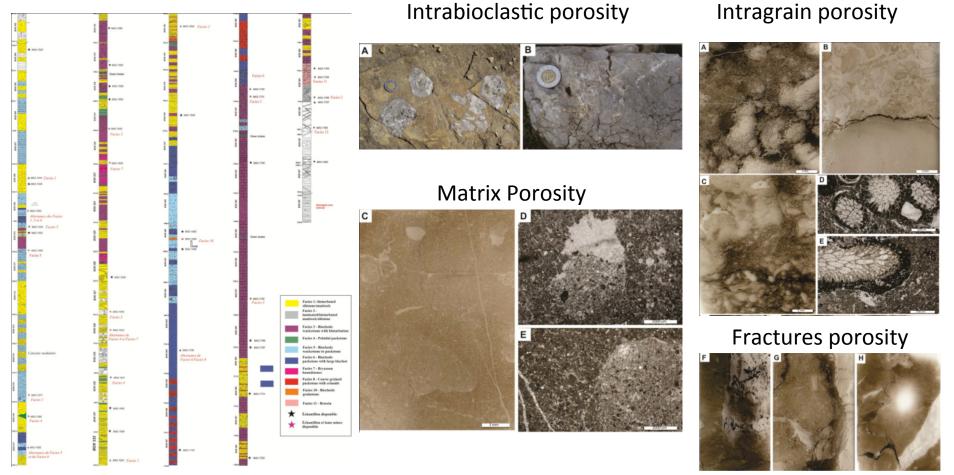


COLLABORATION WORK WITH INRS IN 2015-2016



FACIES ANALYSIS OF THE SAYABEC FORMATION

Various porosities occurring within the Sayabec Formation

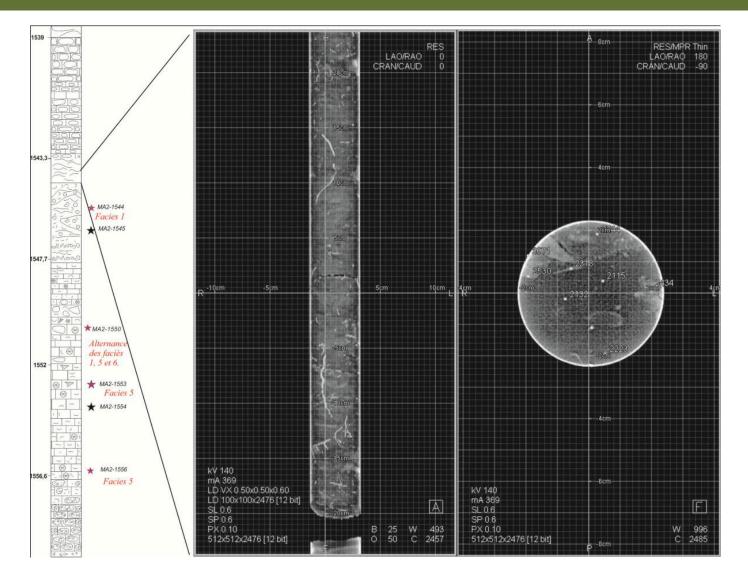


Detailed stratigraphy within the Sayabec Formation

From S. Larmagnat et al. (2016)



PRELIMINARY RESULTS FROM TOMODENSITOMETRY

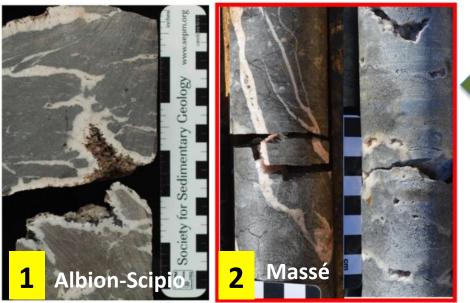




From S. Larmagnat et al. (2016)

ANALOGUE : ALBION-SCIPIO (HTD TRENTON FM.)

1

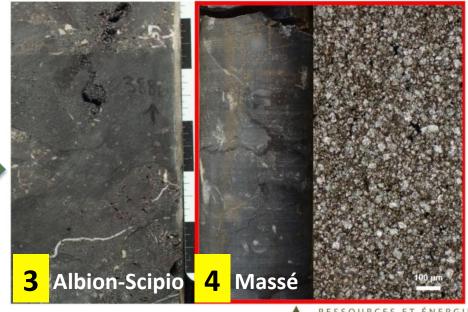


HTD Albion-Scipio (+250MMbbl of oil- Michigan).

Fractures and vugs showing effective porosity within the Sayabec Formation.

3 Albion-Scipio reservoir facies showing variable porosity at cm scale.

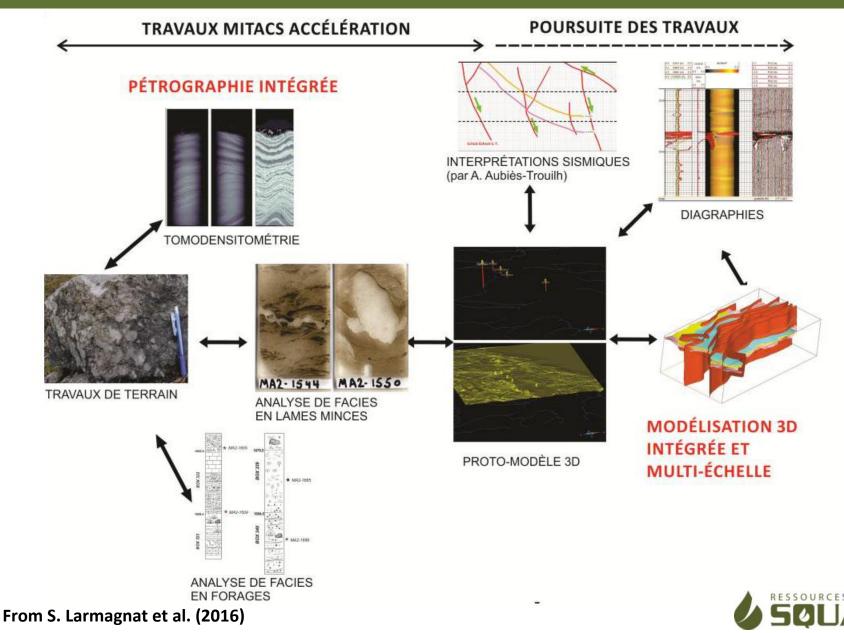
Fine grain facies with matrix replaced locally by micro-dolomite in the Sayabec Formation.





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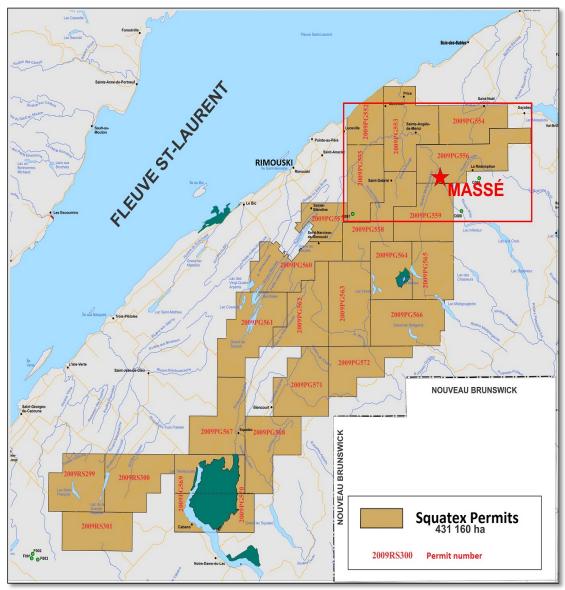
COLLABORATION SQUATEX / INRS-ÉTÉ : NEXT STEP



MASSÉ STRUCTURE DISCOVERY



LOWER ST. LAWRENCE : AREA OF INTEREST

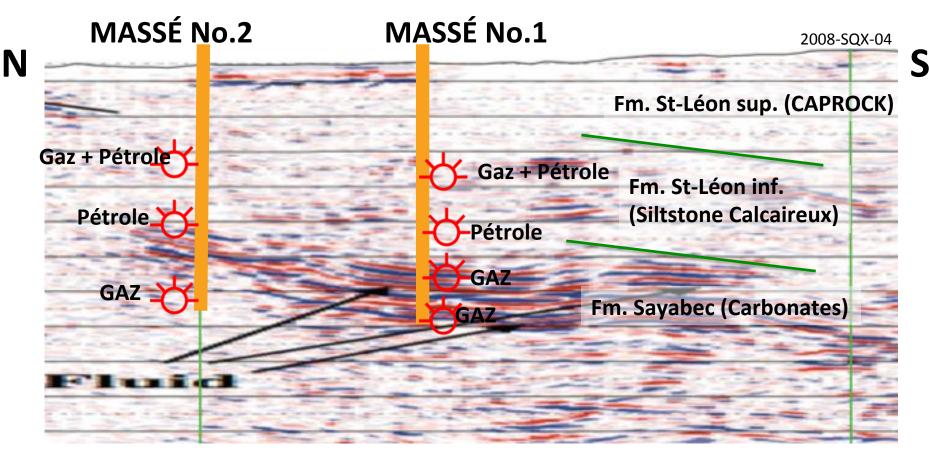




TARGET : HYDROTHERMAL DOLOMITE (HTD)

INFERRED POROSITY BY THE AVO PROCESSING OF SEISMIC LINE MNR-2001-02

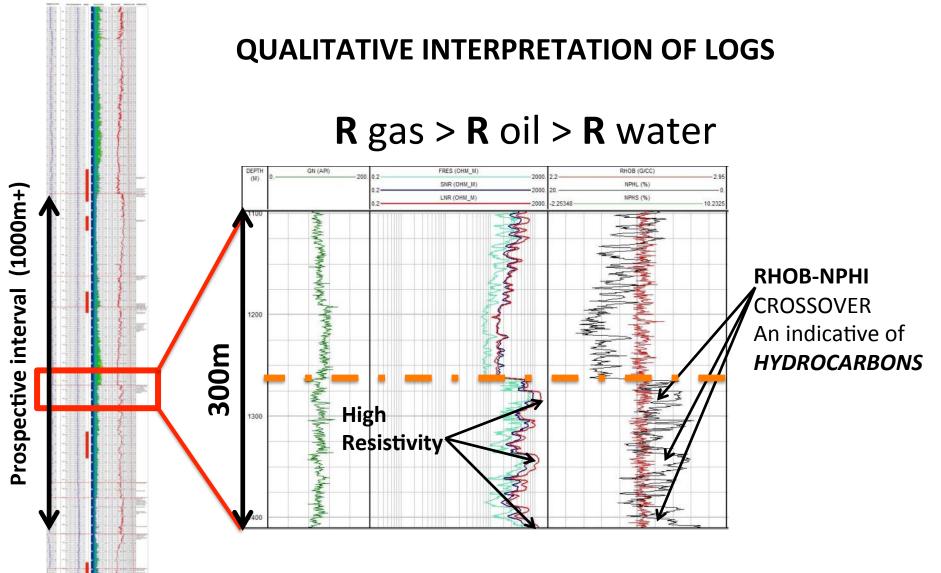
1km





2005-SQX-01

SQUATEX MASSÉ No. 2 : WELL LOGS



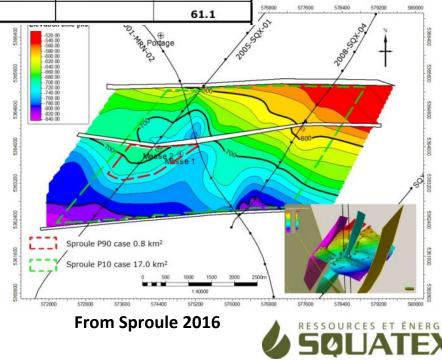


SQUATEX MASSÉ : SPROULE EVALUATION

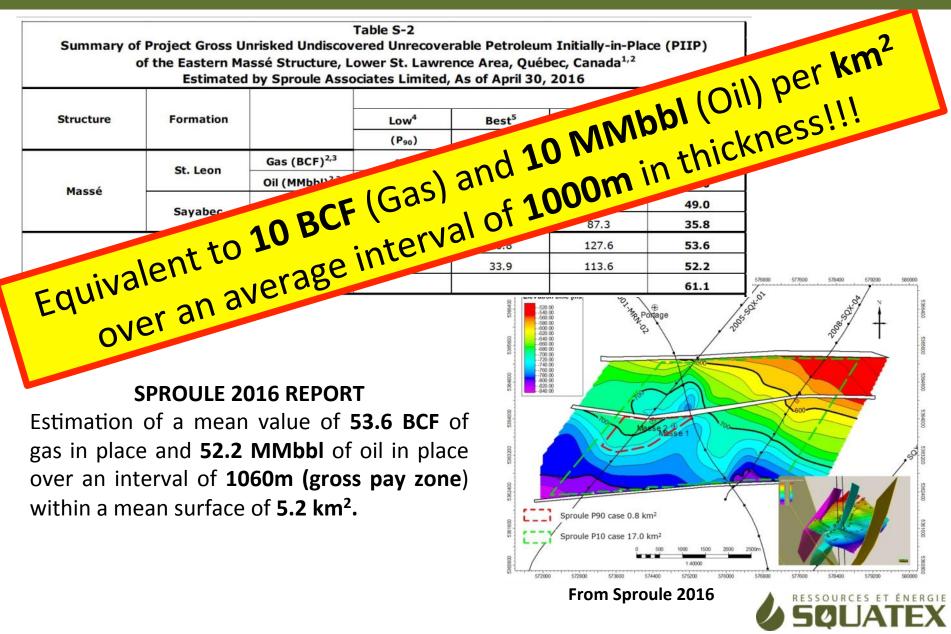
	of the Eastern M	Inrisked Undiscove assé Structure, Lou d by Sproule Assoc	wer St. Lawre	ence Area, Quét	pec, Canada ^{1,2}	ce (PIIP)
Structure	Formation		Low ⁴	Best ⁵	High ⁶ (P ₁₀)	Mean ⁷
			(P ₉₀)	(P ₅₀)		
Massé	St. Leon	Gas (BCF) ^{2,3}	0.2	1.0	3.8	1.6
		Oil (MMbbl) ^{2,3}	2.0	9.9	42.2	17.0
	Sayabec	Gas (BCF) ^{2,3}	4.4	24.0	119.7	49.0
		Oil (MMbbl) ^{2,3}	2.9	17.1	87.3	35.8
Total ⁷		Gas (BCF) ^{2,3}	5.7	26.8	127.6	53.6
		Oil (MMbbl) ^{2,3}	10.0	33.9	113.6	52.2
		MMBOE ^{2,3,7}				61.1

SPROULE 2016 REPORT

Estimation of a mean value of **53.6 BCF** of gas in place and **52.2 MMbbl** of oil in place over an interval of **1060m (gross pay zone)** within a mean surface of **5.2 km²**.



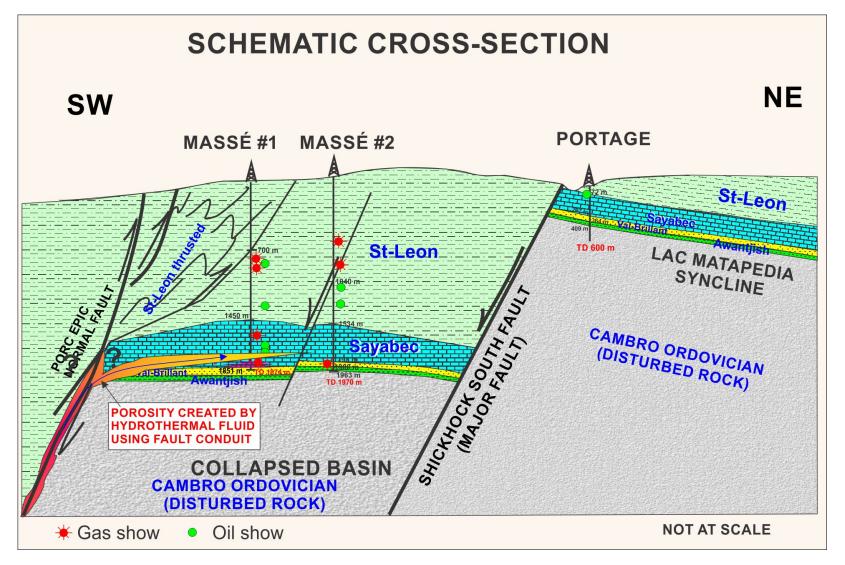
SQUATEX MASSÉ: SPROULE EVALUATION



EXPLORATION CONCEPT AND TARGETS



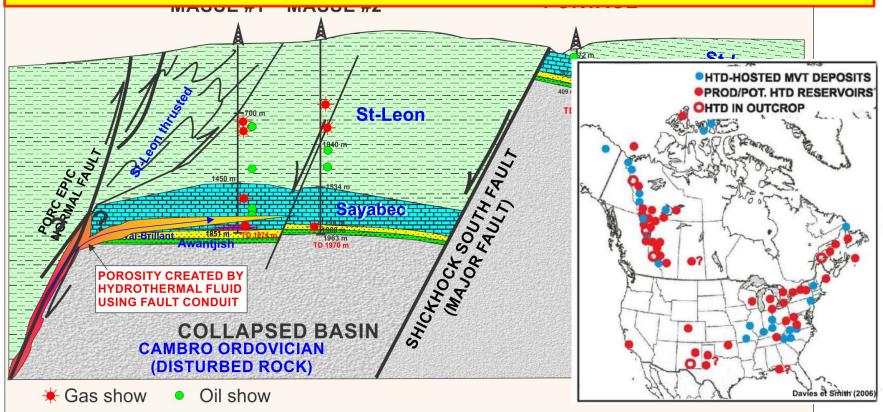
PLAY CONCEPT





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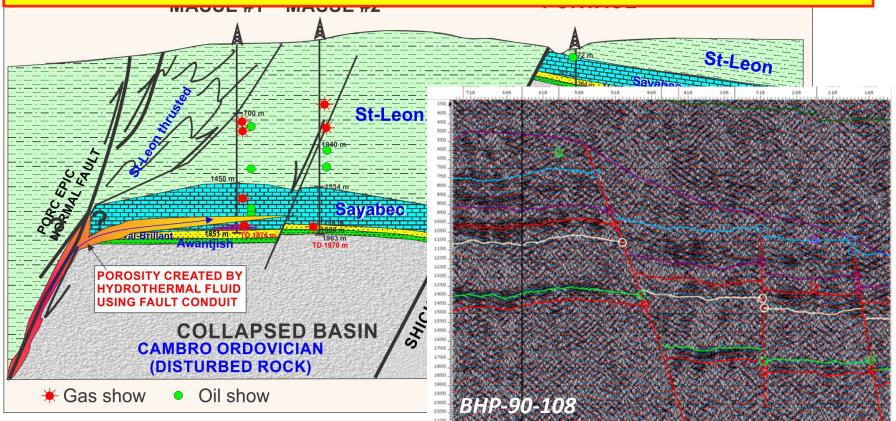
This play is also observed in the St.Lawrence LowLands within the Trenton Formation = Potential for **CONVENTIONAL PRODUCTION** (no fracturation job)!!!





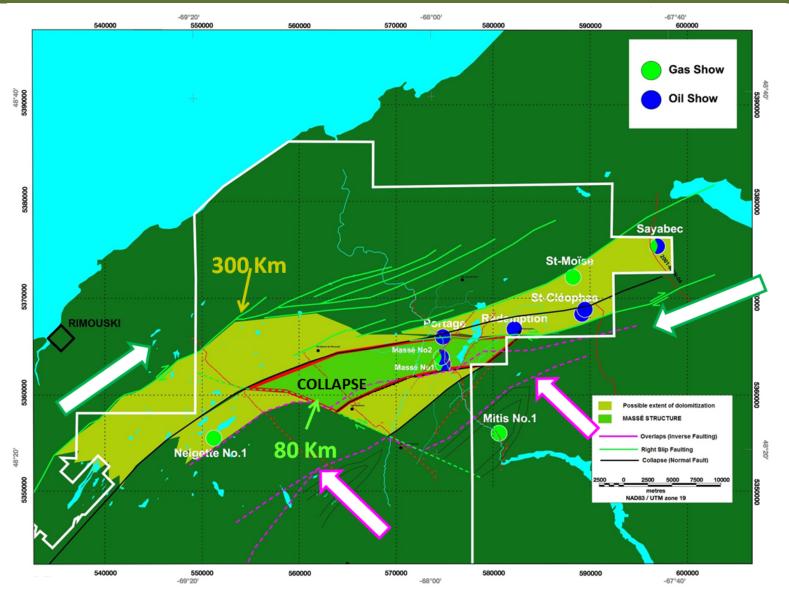
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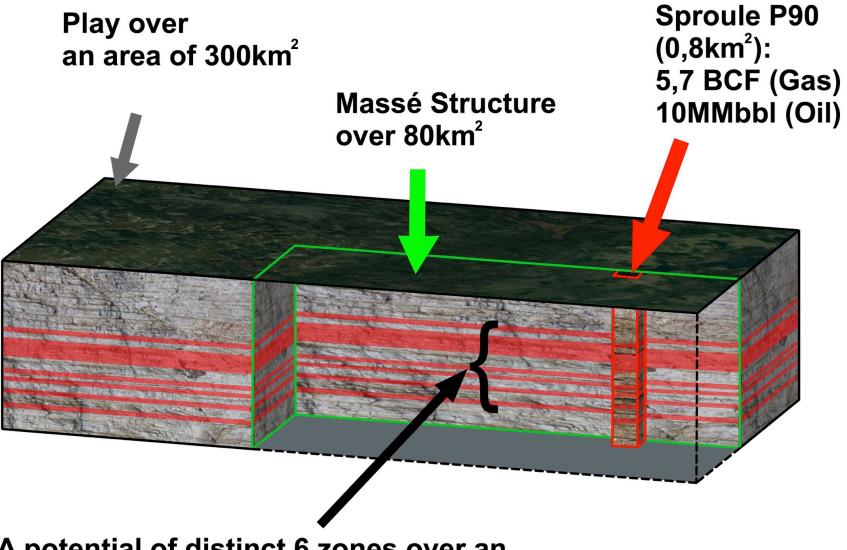


PROSPECTIVE AREAS AND FORTHCOMING WORKS





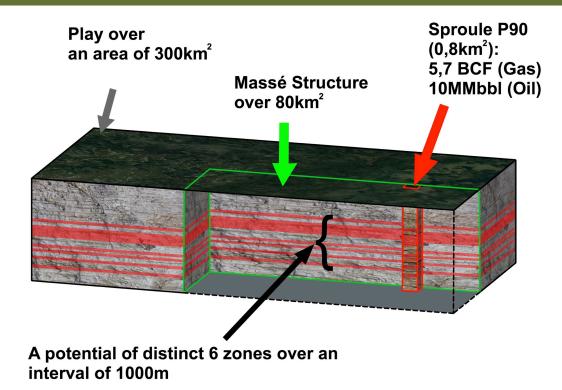
SQUATEX LSL : CONVENTIONAL HTD PLAY



A potential of distinct 6 zones over an interval of 1000m



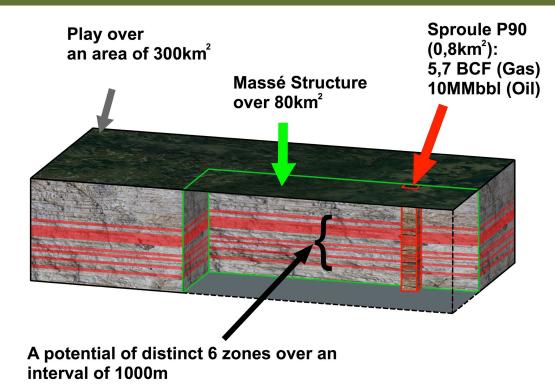
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➢Investigate the Hydrothermal Dolomites extent over the Lower St.Lawrence (on an area of +/- 300km²)



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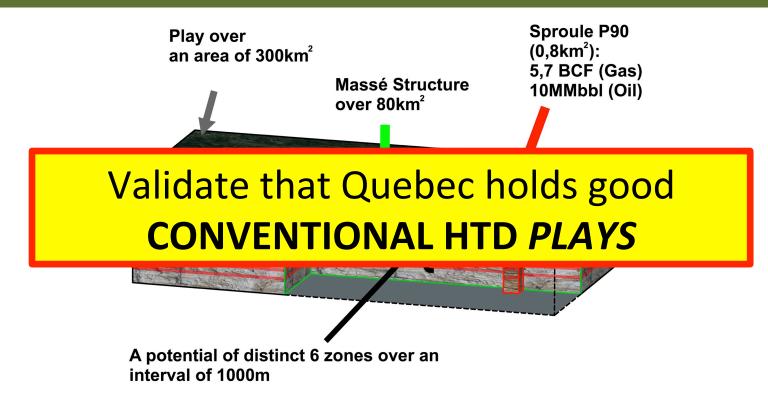


➢Investigate the Hydrothermal Dolomites extent over the Lower St.Lawrence (on an area of +/- 300km²)

➢Validate the hydrocarbon potential on a 1000m interval containing numerous porous levels which could hold 10 BCF of gas and 10 MMbbl of oil per km2 (Mean)



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➢Investigate the Hydrothermal Dolomites extent over the Lower St.Lawrence (on an area of +/- 300km²)

➢ Validate the hydrocarbon potential on a 1000m interval containing numerous porous levels which could hold 10 BCF of gas and 10 MMbbl of oil per km2 (Mean)



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Thanks:

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Université du Québec Institut national de la recherche scientifique

Eau, Terre et Environnement



