

# VITRINITE REFLECTANCE MEASUREMENT

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Sample Details		Mean	Range	Std Dev	N° of Readings	Sample Description Including Liptinite Fluorescence, Maceral Abundances, Mineral Fluorescence
454.68m	R <sub>max</sub>	0.71	-	-	1	Fluorescing liptinite absent. (Lithic sandstone with abundant carbonate and possible gypsum. Dom rare, I>V. Inertinite rare, vitrinite rare, liptinite absent.
Core	R <sub>max</sub>	1.35	0.88-1.94	0.251	3	Abundant yellow oil drops in carbonate and the ?gypsum shows strong oil related fluorescence, probably from oil in the cleavage fractures. Rare non-fluorescing bitumen associated with carbonate that has not taken a polish. Mineral fluorescence weak to absent where oil absent, but intense yellow to yellowish orange where oil abundant. Pyrite rare.)

The field reported as vitrinite occurs within a carbonate grain and could be a bitumen, but it shows no fluorescence and is better interpreted as vitrinite. The oil inclusions are very prominent. They are concentrated near the vein minerals, but some oil inclusions occur in the main body of the sandstone.