

# Accepted Manuscript

Garzón Massif basement tectonics: Structural control on evolution of petroleum systems in upper Magdalena and Putumayo basins, Colombia

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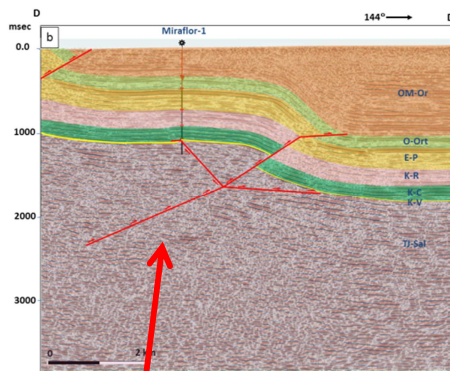
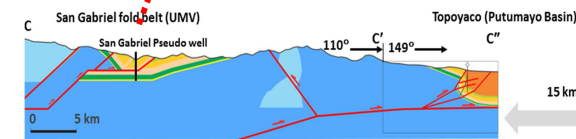
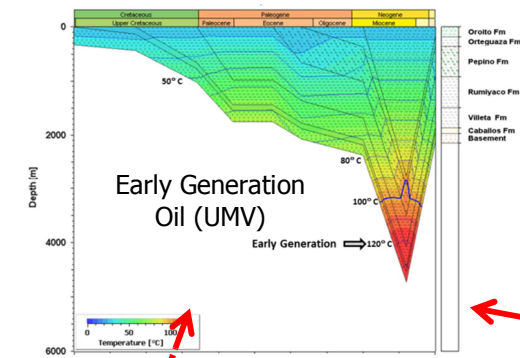
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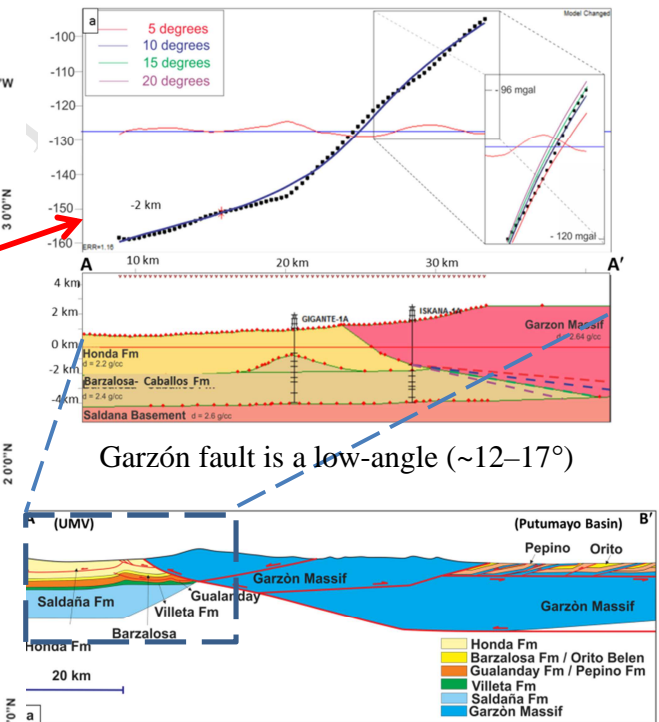
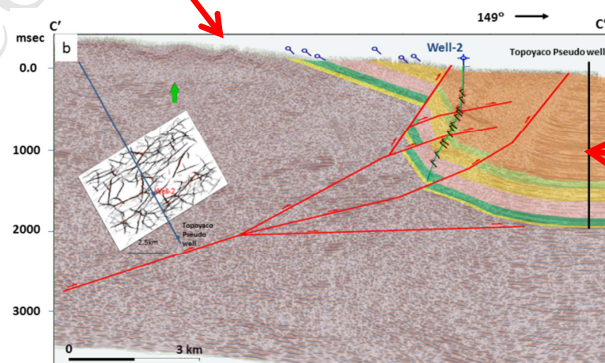
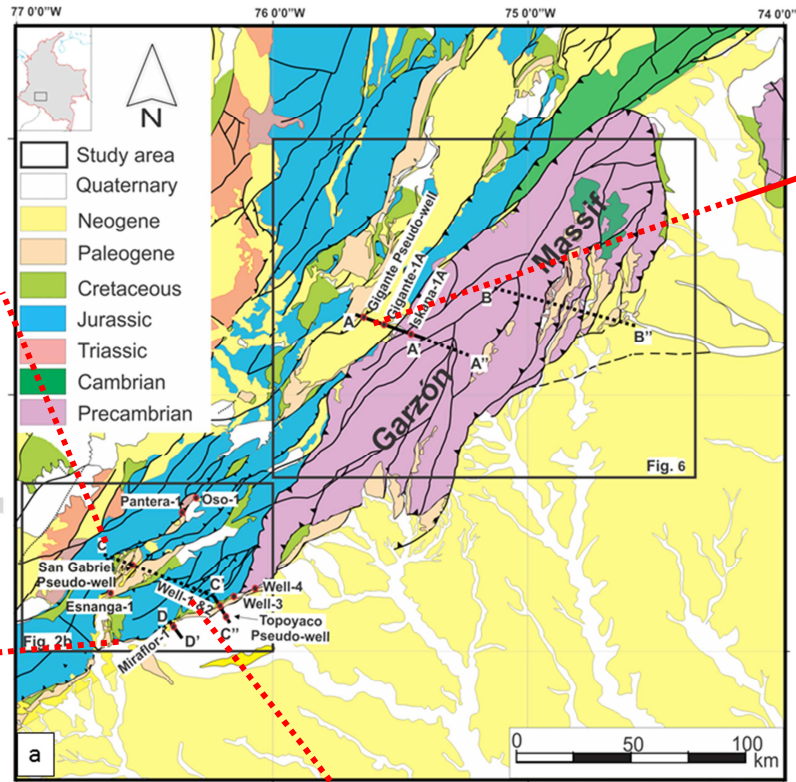
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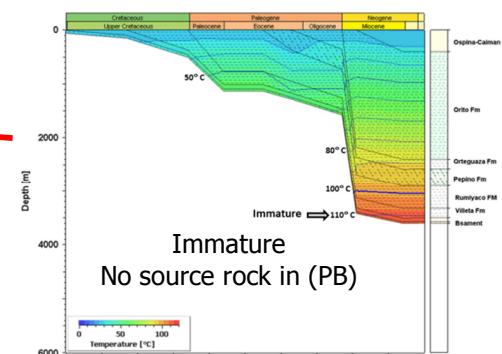


No fractures and the oil sealed from groundwater flushing and biodegradation

Intense fractures (3-D fracture analysis) groundwater flushing and biodegradation



43 km of shortening by thick-skinned (~9-16 Ma) followed by 22 km shortening (3-6 Ma) by Andean thick-skinned.



Immature  
No source rock in (PB)

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