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Petroleum Geology

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Presentation Outline-ES486

* Title Slide
* Introduction
	+ Overview
	+ Map of area and petroleum field
* History
	+ Variscan Orogeny
	+ Late Paleoszoic
	+ Continental collision between Euramerica and Gondwana to form the supercontinent of Pangaea
	+ Late stages produced grabens
	+ Grabens filled with Tropical sediments
	+ Major Cenomanian Transgression
	+ Series of marine depositions and clay layers through the oligocene and miocene produce bulk of gas and oil
* Thermogenic Systems
	+ Source Rocks
	+ Reservoir rocks
	+ Seals
	+ Traps
	+ Hydrocarbon generation and maturation
	+ Alteration
* Microbial Systems
	+ Source Rocks
	+ Resivoir rocks
	+ Seals
	+ Traps
	+ Hydrocarbon Generation
	+ Hydrocarbon mixing and biodegration
* Summary
* Questions
* Sources