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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