

# Atlanta Geological Society

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## Official Lecture/Field Trip Attendance Record for Professional Development Hours

**Tuesday, April 27, 2021**

The Gulf of Mexico Basin has been a prolific region for finding and producing oil and gas. A widespread, thick layer of salt was deposited during the early opening of the Gulf in mid-Jurassic time; then huge amounts of sediment eroded from the Rockies to the Appalachians were piled onto that unstable salt base, producing a cornucopia of structural opportunities to trap oil and gas, with much variation from region to region.

The first part of this presentation briefly reviews some of the basics of petroleum geology, oil well drilling, logs, and business environment, to set up a common understanding for the second part which discusses the geology of different subareas of the basin. Specific areas include the Texas onshore/shelf growth faults, the Louisiana onshore/shelf/deepwater salt dome region, an ultradeep fold belt near Mexico, and aeolian sands generally south of Alabama. The presentation will also include discussion of the root causes of some industry-related disasters, and other more benign tales of interest.

David Lynch received his B.S. in Physics at the University of Georgia in 1976. He entered the graduate program at New Mexico State University in Las Cruces. He received his Ph.D. in 1983 with a dissertation on computer models of continental rifting.

Date of Lecture	Lecture Topic	Sponsor	Speaker	PDH Hours
4/27/21	Oil and Gas in the Gulf of Mexico Basin, With Tales from the Oil Patch	AGS – no sponsor	David Lynch Geophysicist Shell Oil (Ret.)	1

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Signature of Attendee

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Date

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Print Name

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License Number