

# **So, You Want to Drill Your Own Oil Well – An Oil and Gas Drilling Primer**

**The 49<sup>th</sup> Ernest E. Smith Oil, Gas and Mineral Law  
Institute**

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## **Agenda**

- Geology
- Drilling
- Bringing Oil, Gas and Water to the Surface
- Selling the Oil and Gas, Disposing the Water
- Interspersed with the Types of Agreements Needed
- Assumptions
  - Onshore
  - Oil and Gas Well
  - Vertical Well
  - Privately-owned minerals
  - Basic Material (for those already in the industry)

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**Grateful Acknowledgment to  
Mr. Berry Simpson  
for his generosity in sharing  
his slides**

Additional Source:  
Van Dyke, Kate - *Fundamentals of Petroleum*,  
Fourth Edition, 1997  
Petroleum Extension Service  
Division of Continuing Education  
The University of Texas at Austin  
Austin, TX

**So You Want to Drill a Well?**

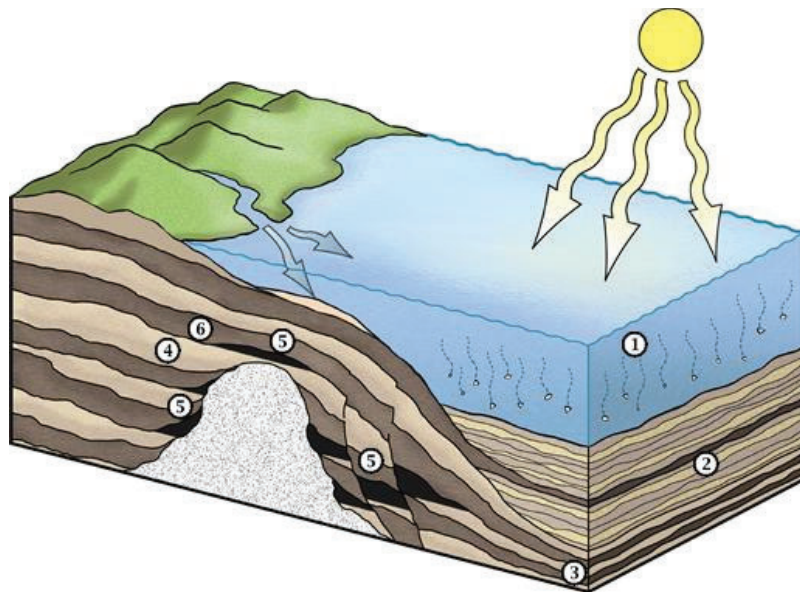
- Where?
- How Deep?
- Geologist will tell you

## What Geologists Do

- Collect Data
  - Seismic, Logs, Core Samples, etc.
- Map the Underground
- Study the Maps
  - Likely oil and gas-bearing formations
  - Seals and Traps

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## Oil and Gas-Bearing Formations



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