

PETROLEUM EXPLORATION AND DEVELOPMENT FRONTIERS IN SOUTHWEST ALABAMA

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Alabama Oil and Gas
Seminar
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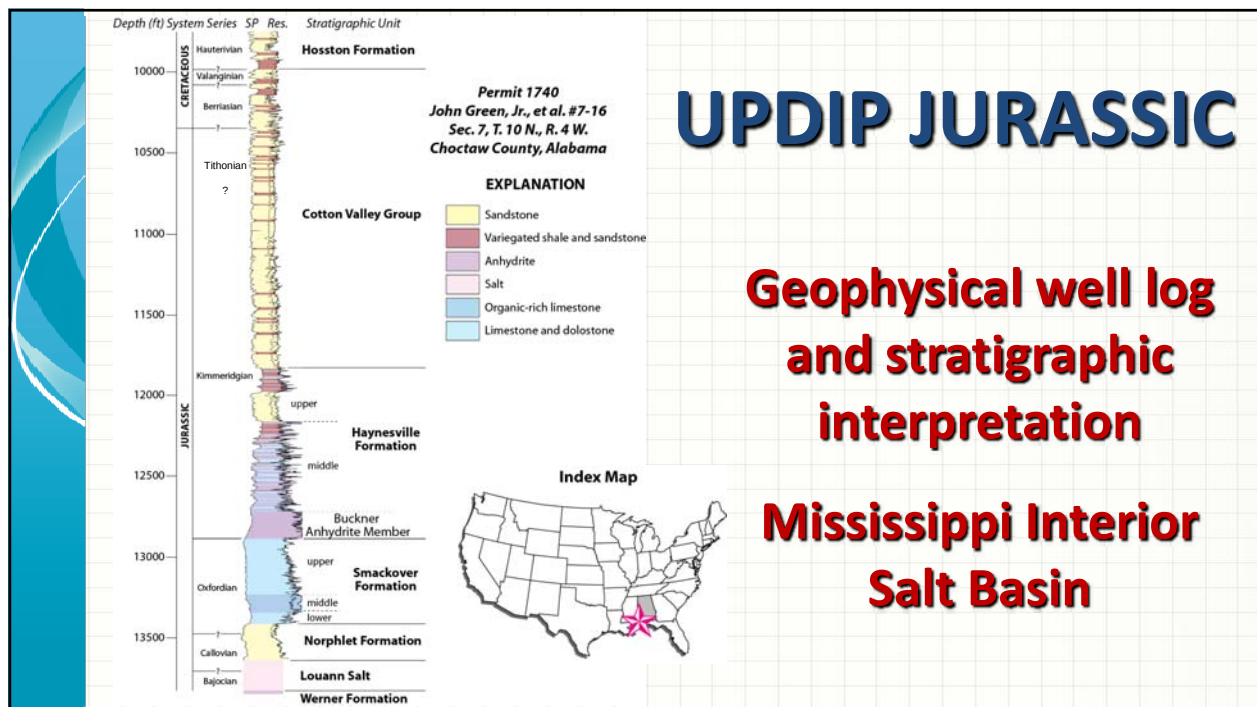
ACKNOWLEDGMENTS

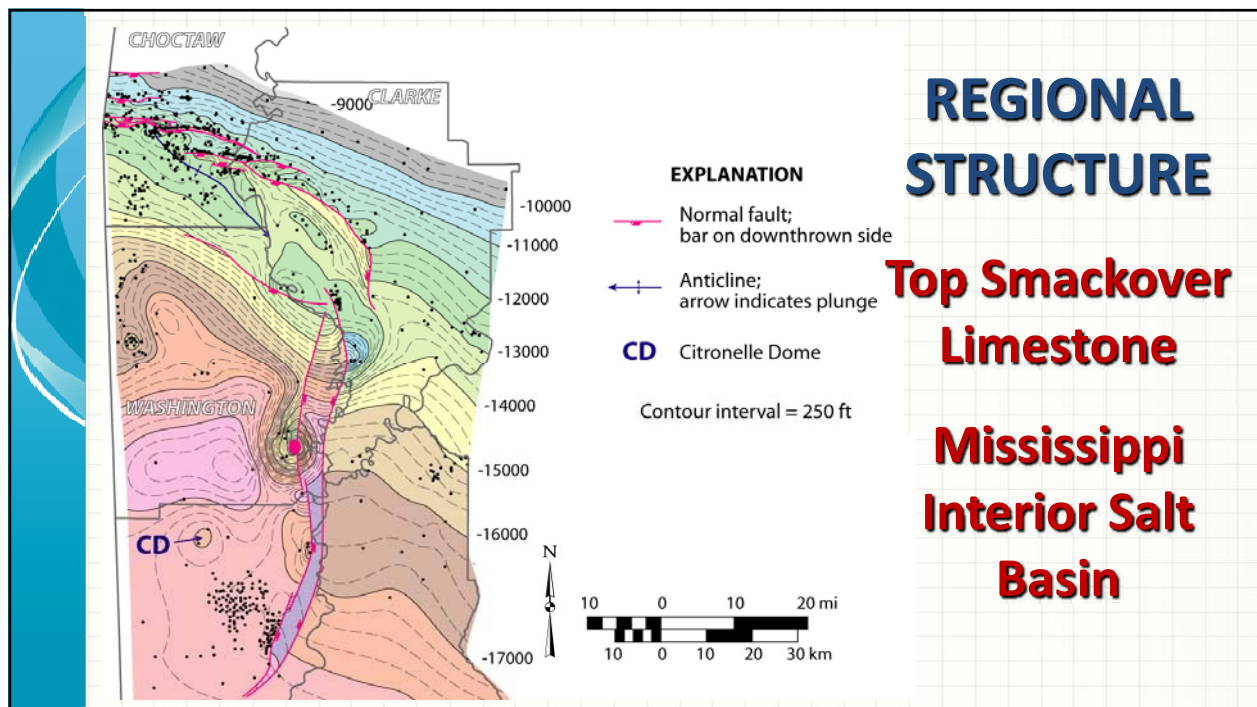
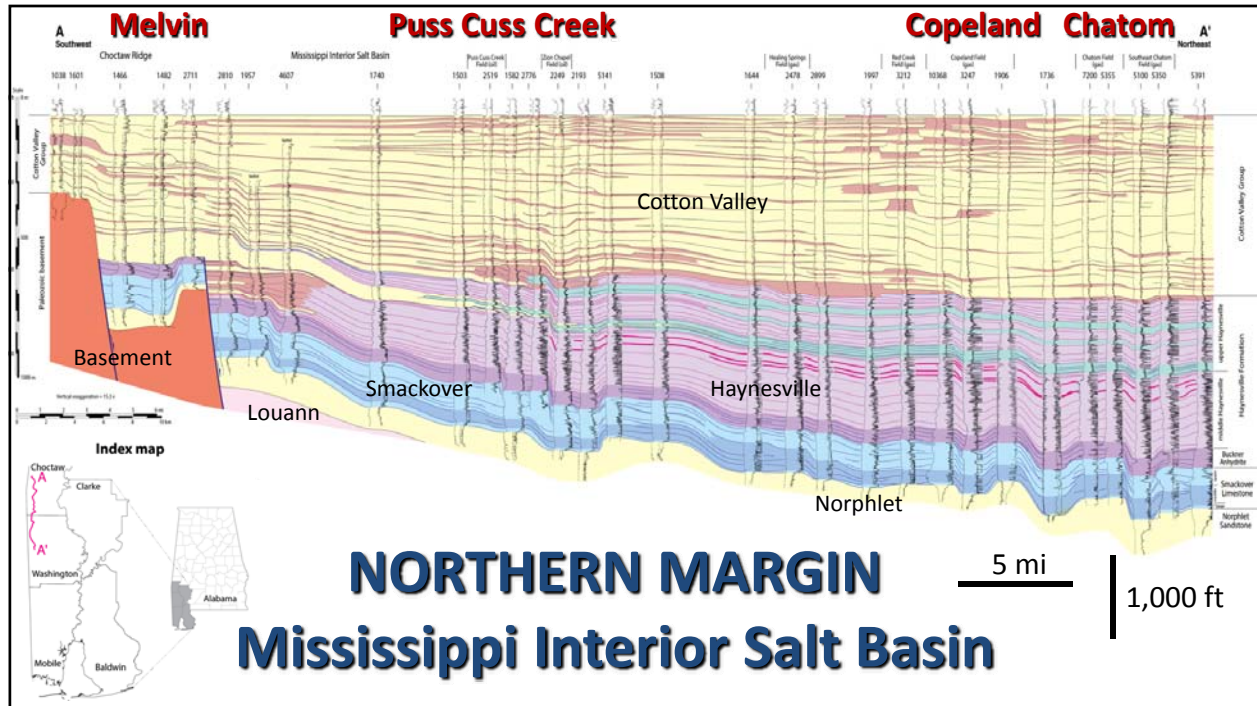
- ✓ **Geological Survey of Alabama**
- ✓ **University of Alabama**
- ✓ **Bureau of Ocean Energy Management**
- ✓ **USDOE – National Energy Technology Laboratory**
- ✓ **Southern States Energy Board**

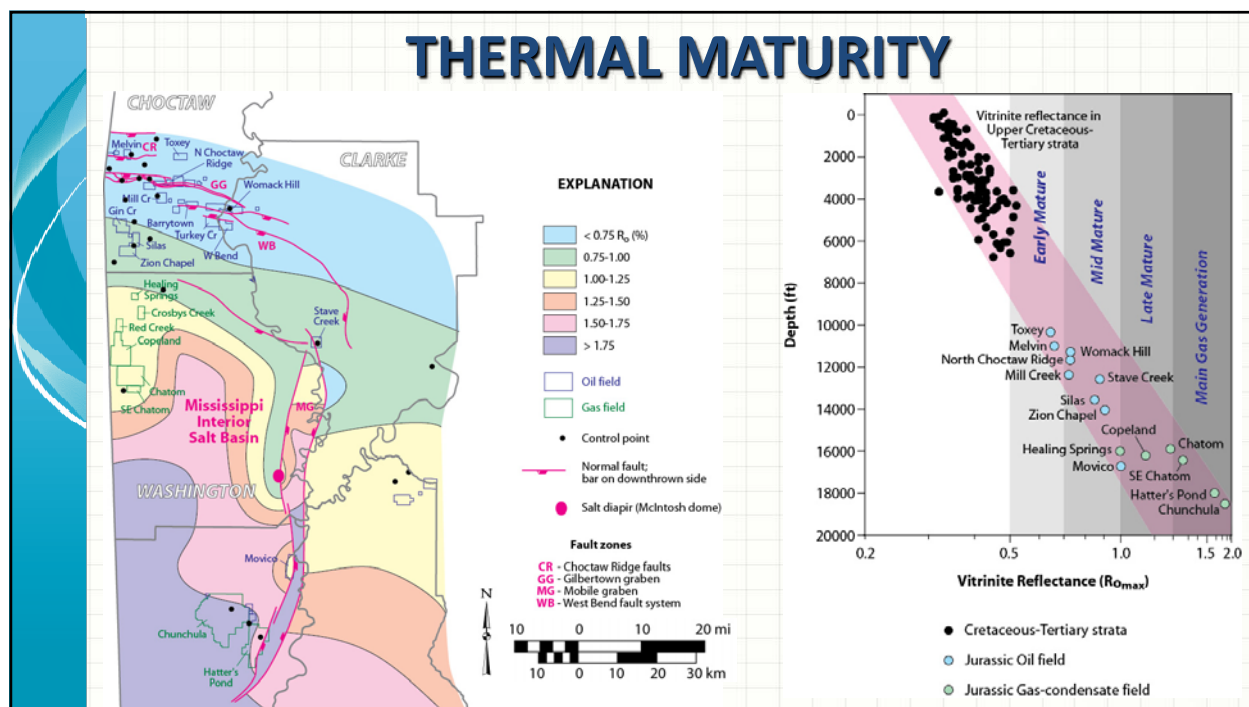
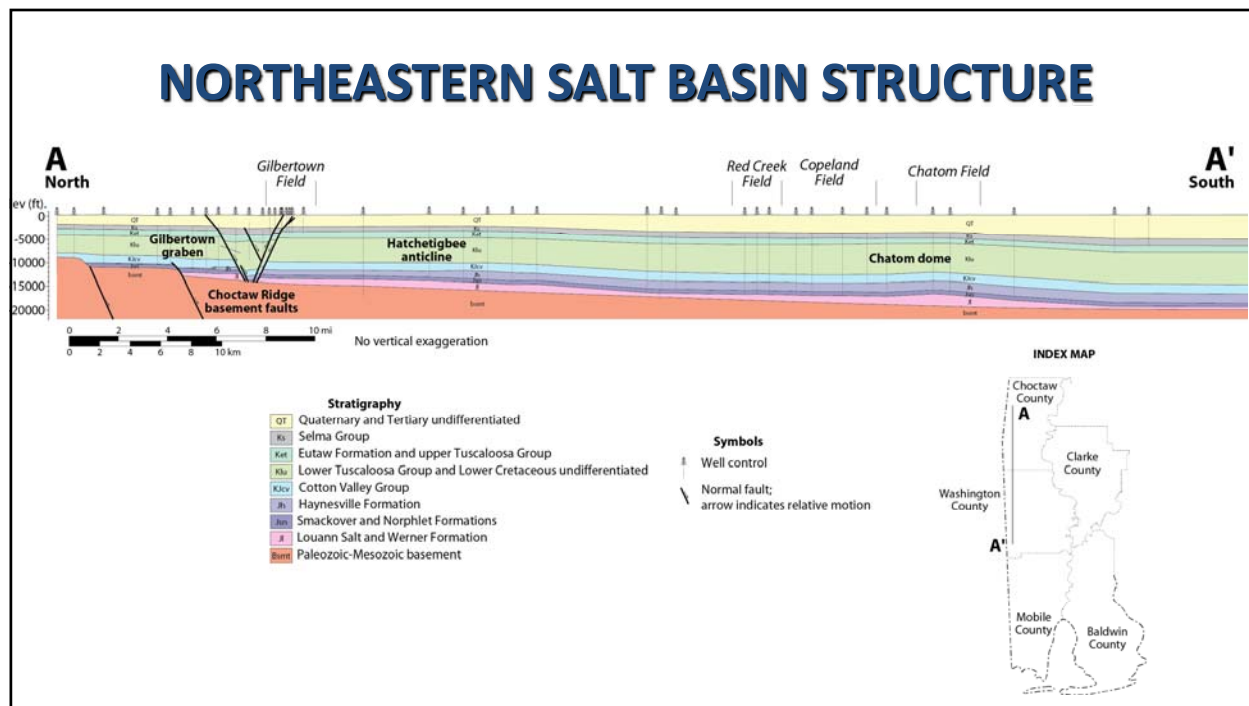
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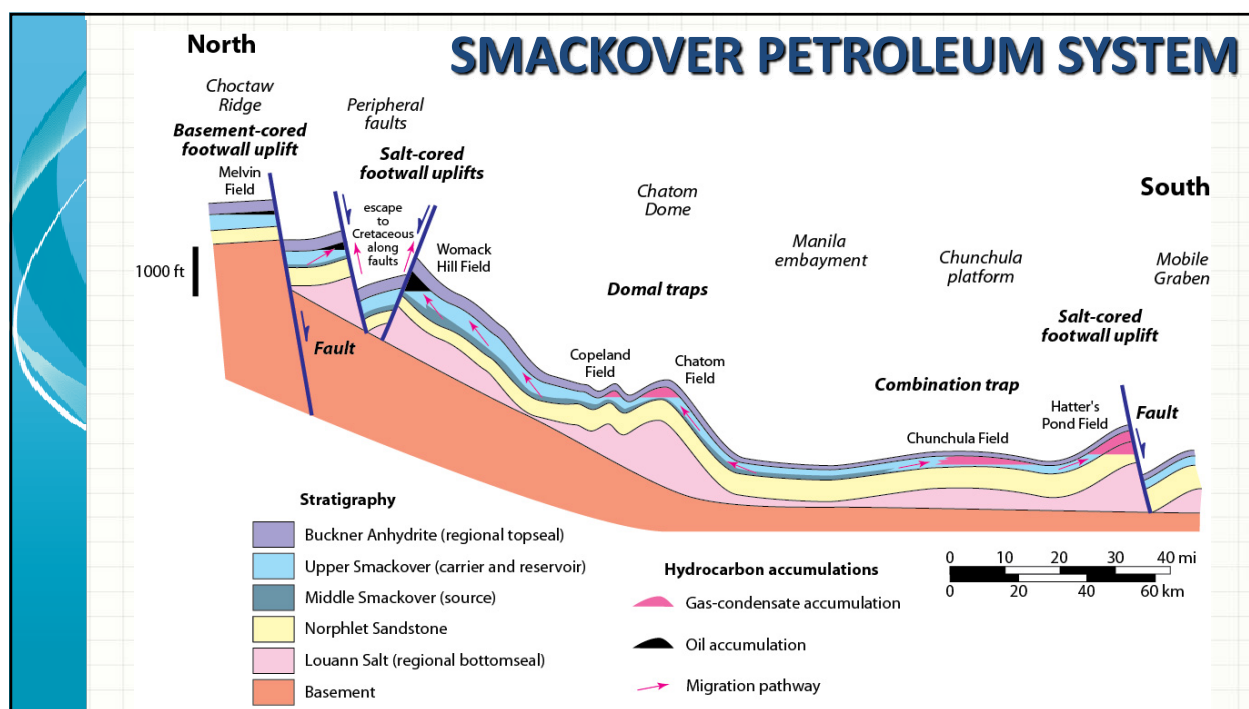
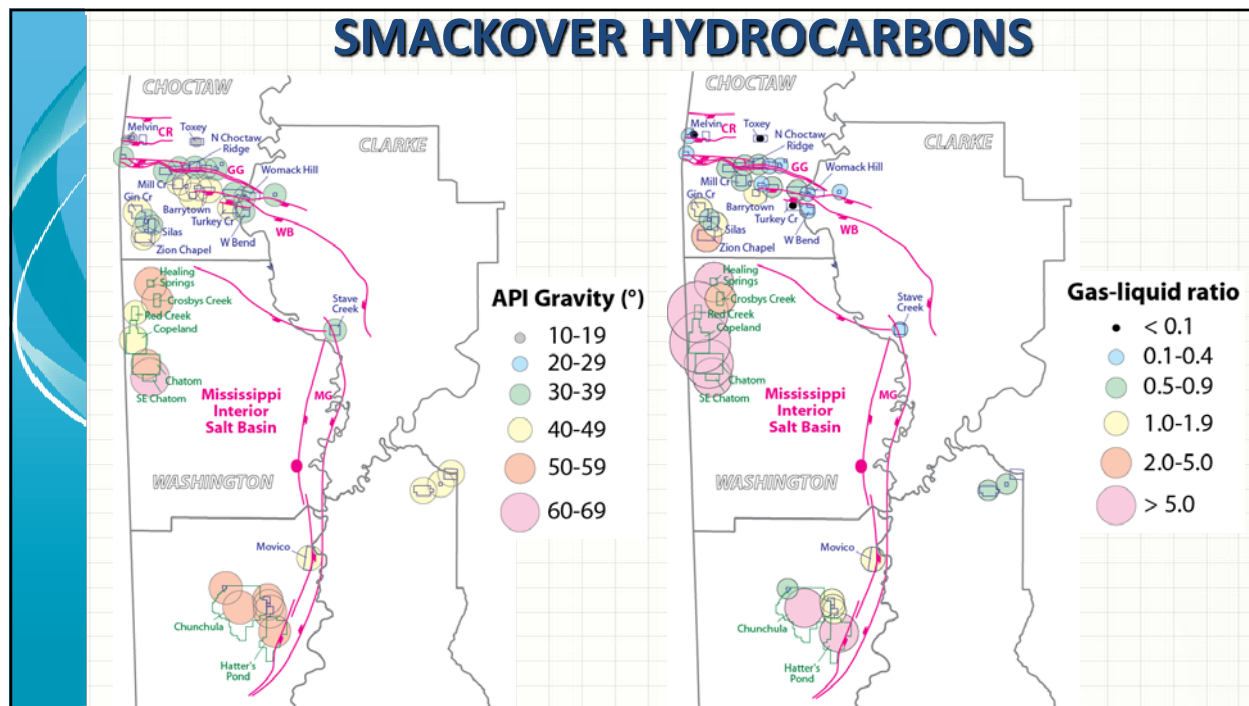
TOPICS

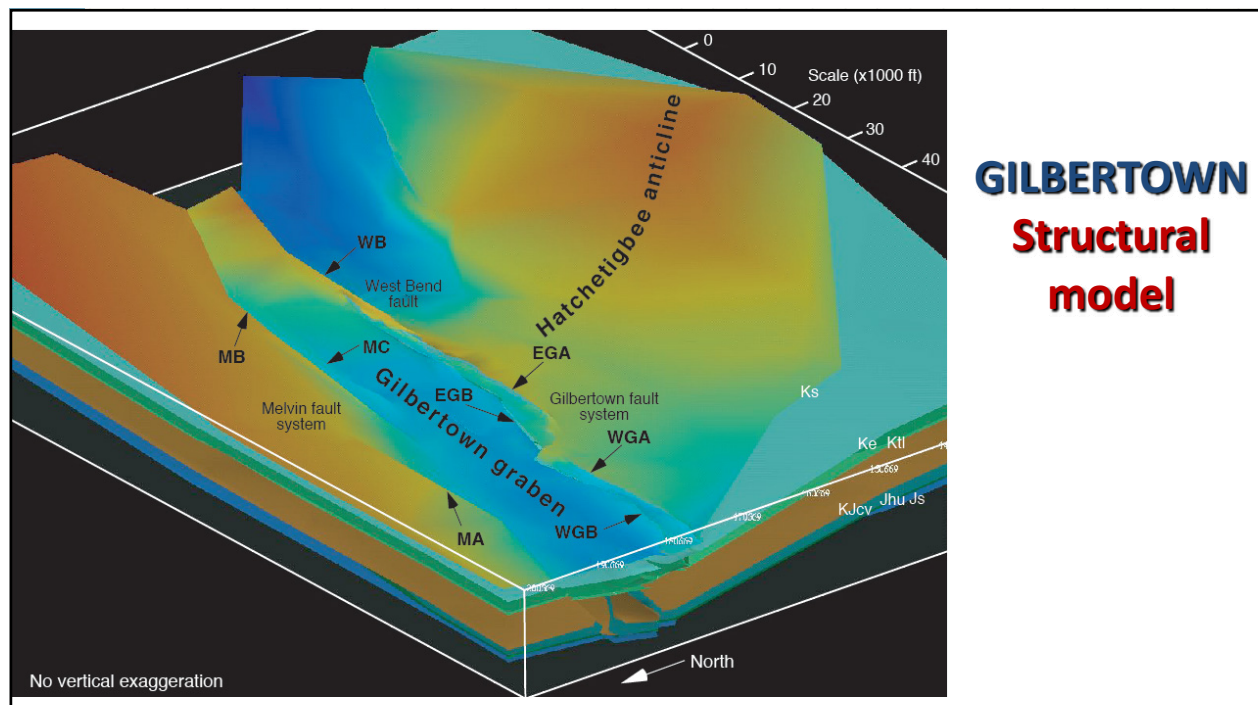
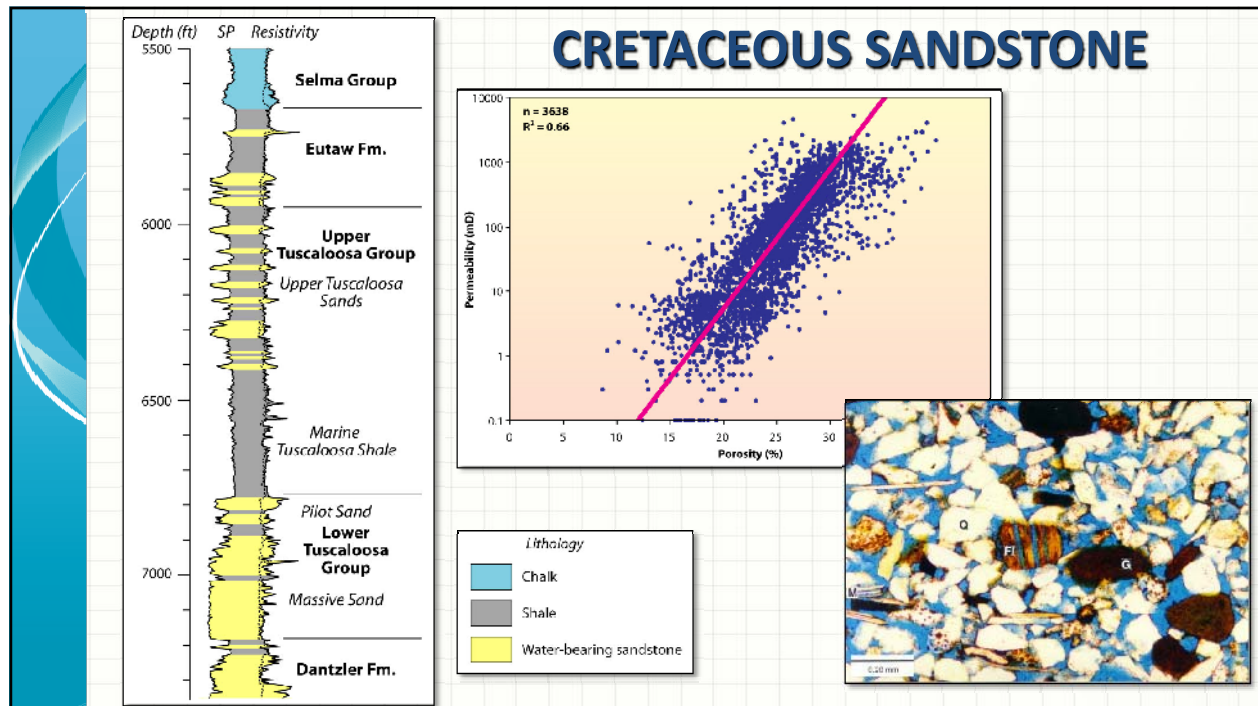
- ✓ **Updip Jurassic, Mississippi Interior Salt Basin**
- ✓ **Cretaceous Heavy Oil Reservoirs**
- ✓ **Citronelle EOR and CO₂ Storage**
- ✓ **Offshore Petroleum Systems**
- ✓ **Offshore CO₂ storage**

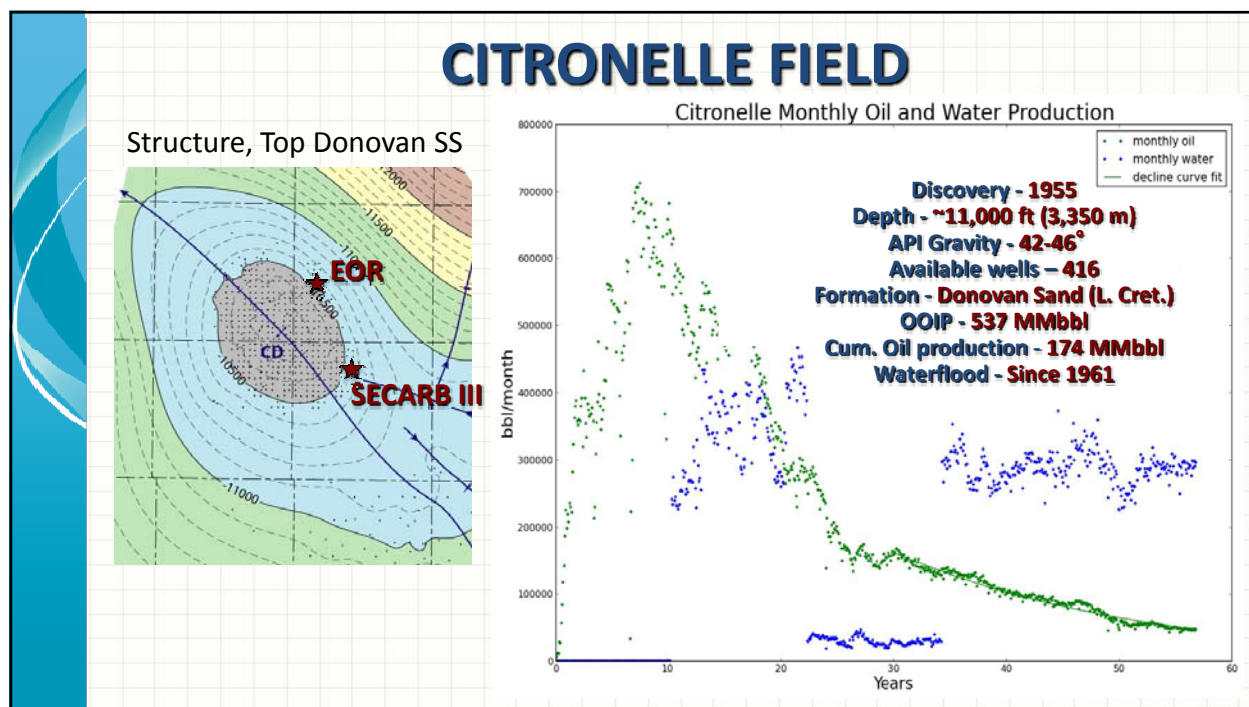
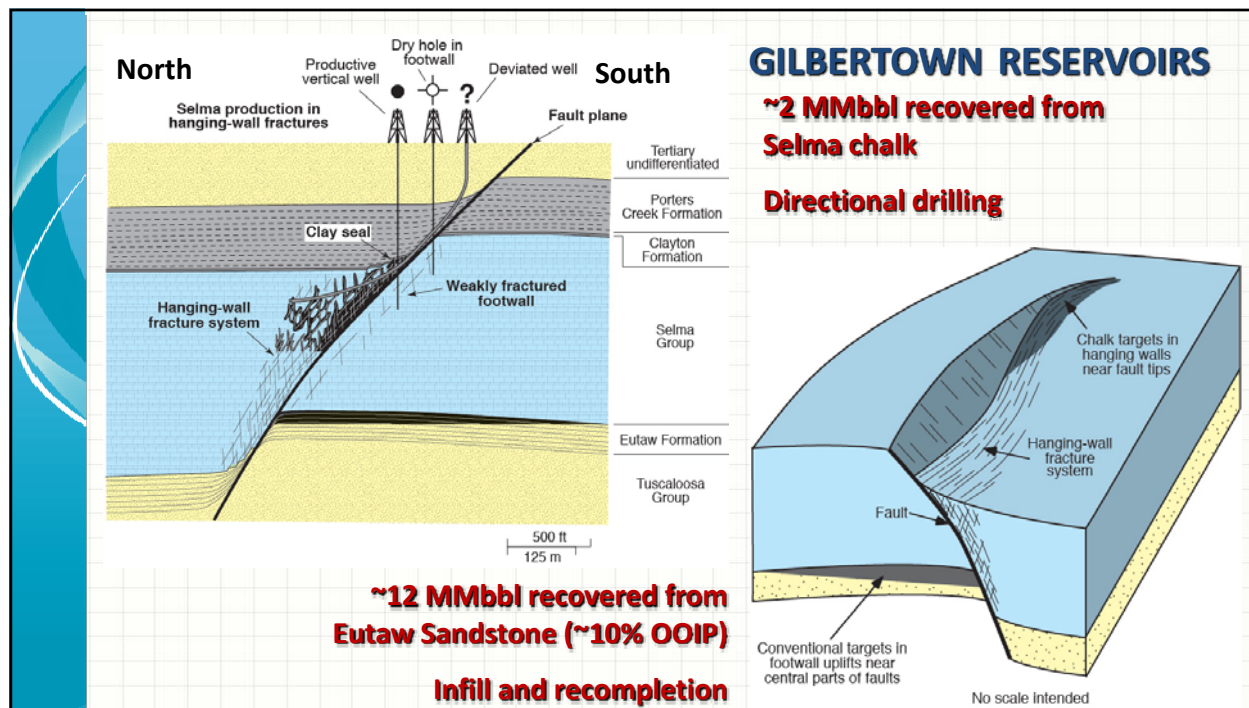




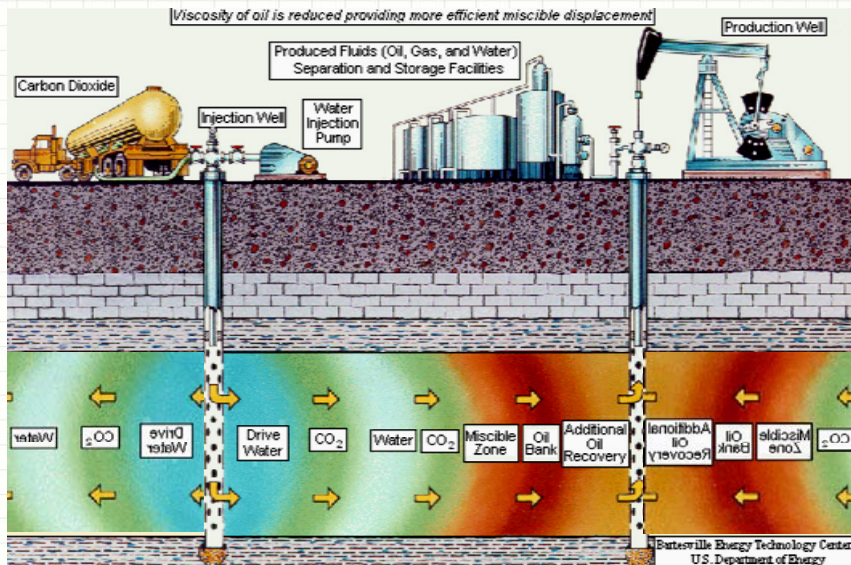






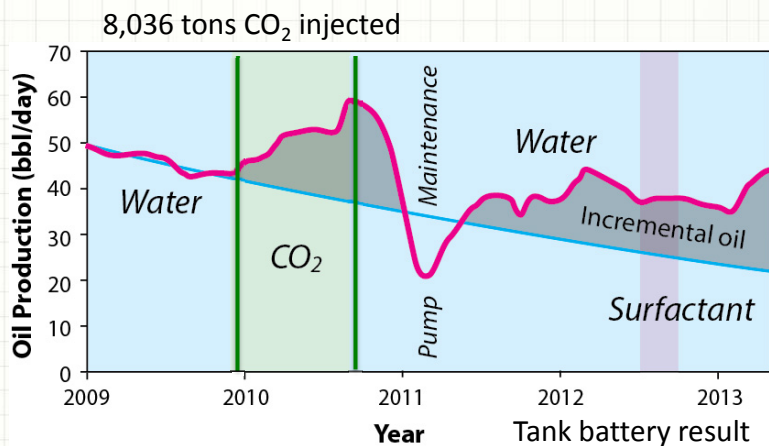


CO₂-ENHANCED OIL RECOVERY

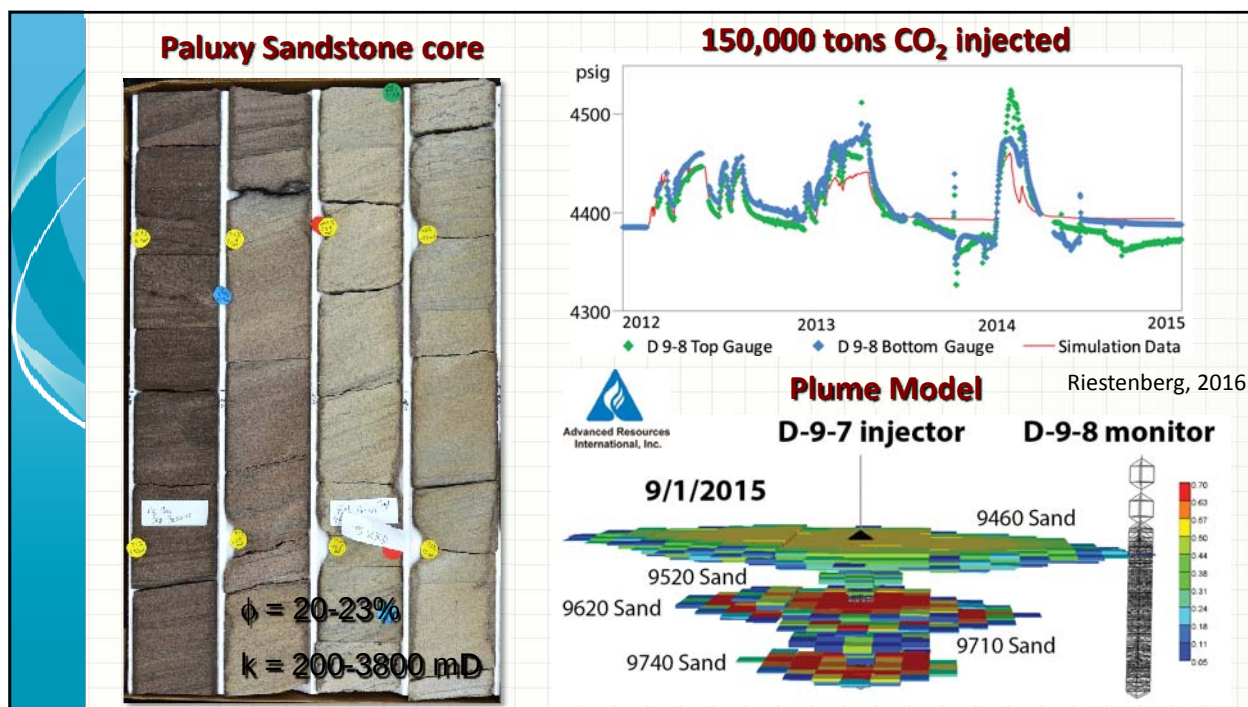


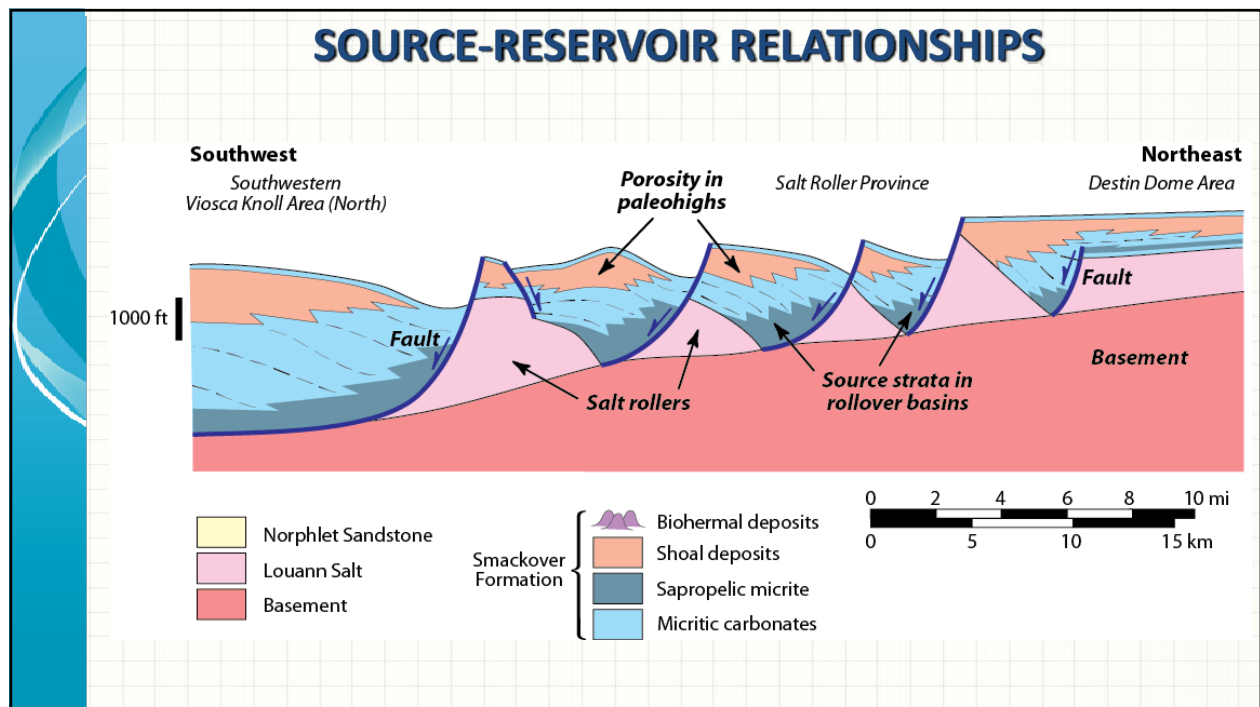
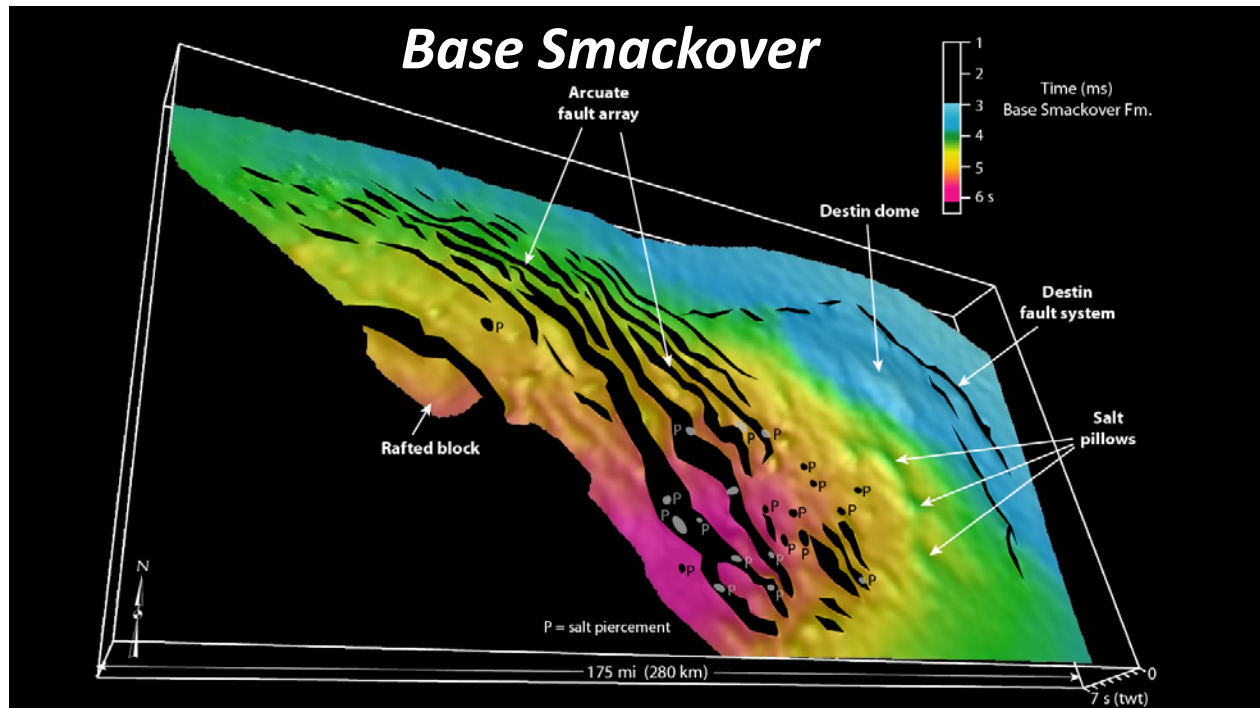
INCREMENTAL OIL RECOVERY

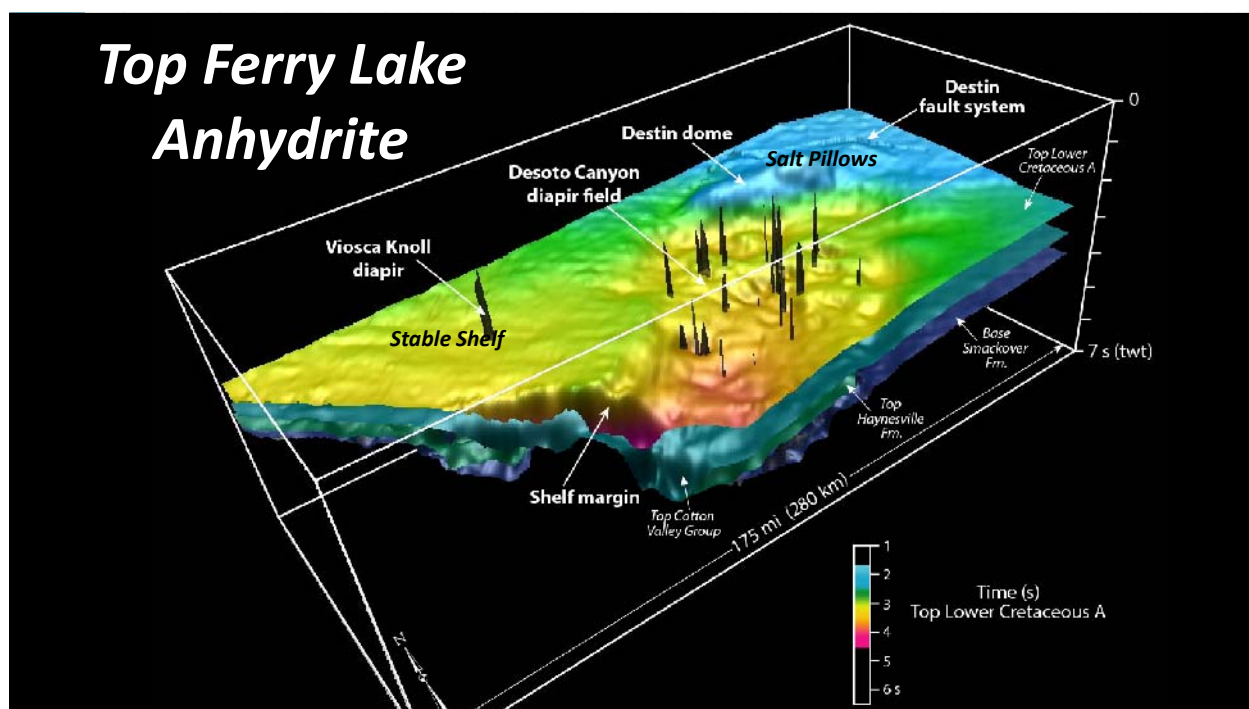
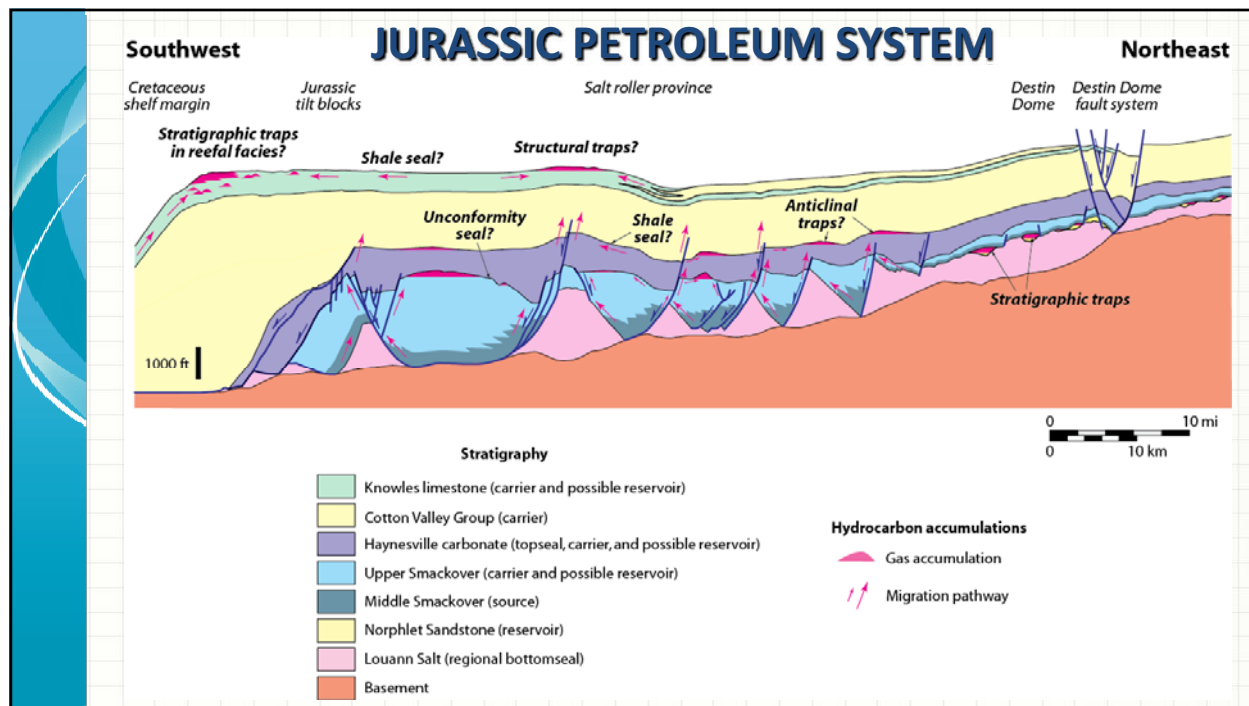
B-19-10 #2 injector

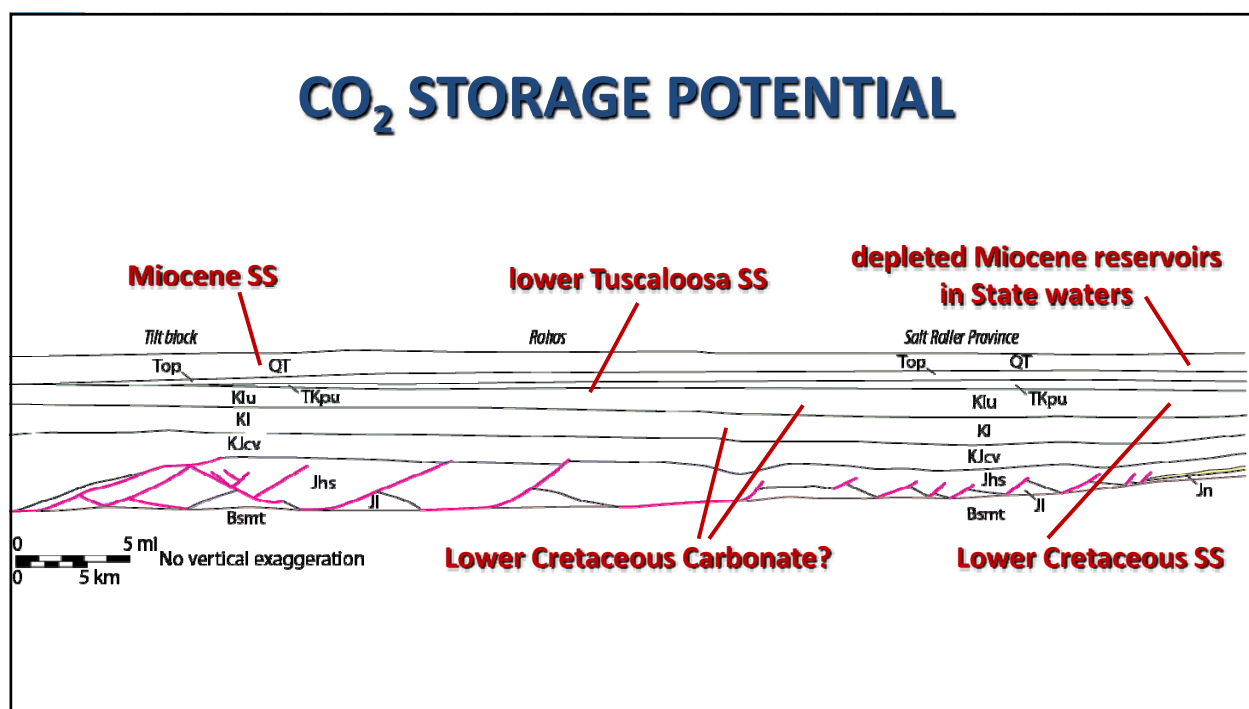
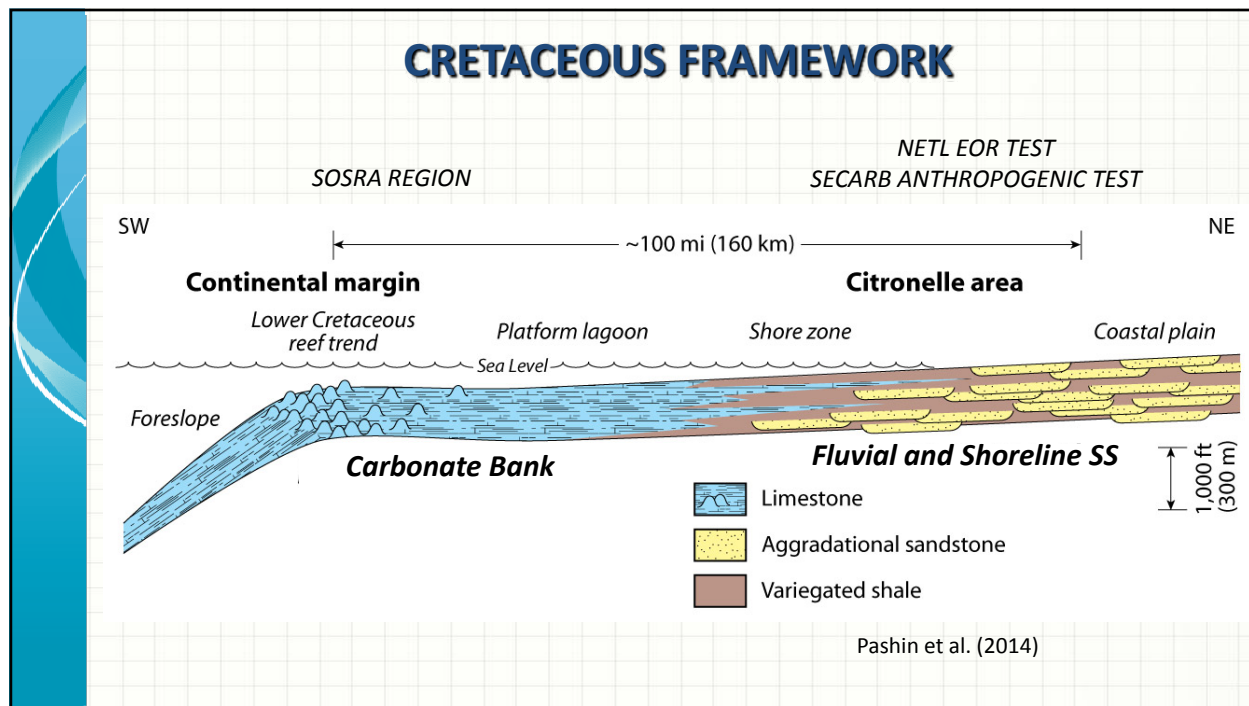


Early breakthrough of CO₂ along hydrofracture direction









CONCLUDING THOUGHTS

- ✓ Many opportunities for continued development.
- ✓ Updip Smackover limit poorly defined; unconventional potential in source rock section?
- ✓ Smackover CO₂-EOR potential poorly understood.
- ✓ Redevelopment opportunities abound in Cretaceous sandstone.
- ✓ Citronelle giant opportunity for CO₂ EOR and storage.
- ✓ Jurassic offshore potential incompletely characterized.
- ✓ Eastern Gulf CO₂ assessment underway.