

2024 RCRL Core Workshop
Mesozoic-age Reservoirs of the Gulf of Mexico Basin
June 3-6, 2024, BEG-HRC Core Facility, Houston, Texas

Who and What: The RCRL Carbonate Research Team is excited to announce a comprehensive core workshop focused on Mesozoic age reservoirs with an emphasis on the Gulf of Mexico basin and comparative analysis with global occurrences of similar age systems from the Middle East and South Atlantic.

Where and When: This event will take place at the BEG-HRC Facility in Houston from June 3 to 6, 2024. This event will delve into the interplay of core-log and seismic-based stratigraphic architecture, structural configuration, facies-pore type distributions that are critical to GOM production from Jurassic and Cretaceous reservoirs ranging from Central Mexico to Florida.

Why: The carbonate reservoir systems across the Gulf of Mexico offer a complete spectrum of reservoir occurrences from slope, reefal, and shelf settings with a combination of structurally simple to complex heterogeneities and mild to extensive diagenetic overprints. GOM production is varied across key formations, with each play impacted by the interplay of stratigraphic architecture and facies distribution influenced by structural and stratigraphic configuration, diagenetic history, as well as the interplay of paleoclimate and oceanic-anoxic events (OAEs) with carbonate factories and resultant sediment types. Few if any systems globally display the spectrum of reservoir settings and rich data types available from the Gulf of Mexico. This workshop will allow your experts to gain new insights to overlooked opportunities and your newer team members a rare opportunity to see a cross section of carbonate units and reservoir types.

The workshop is designed to showcase key intervals with each day focusing on a different reservoir region/setting, including:

- Jurassic/Lower Cretaceous reservoirs of Central-Eastern GOM, including the Upper Jurassic Smackover-Buckner Fms., Lower Cretaceous Calvin and Winn Fms., and Albian Sunniland Field of Florida;
- Lower Cretaceous Aptian-Albian Cow Creek/James Lime, and Pettet/Sligo Fms/Glen Rose examples with emphasis on various grainstone complexes, Texas segment of GOM both east and west of the San Marcos Arch;
- Albian Edwards-Georgetown Fm reservoirs along the Stuart City margin and Maverick Basin; and presentations on subsurface outcrop equivalents in Mexico (i.e., El Doctor and Poza Rica); and
- Cenomanian to Maastrichtian reservoirs, featuring the Buda, Austin Chalk, Eagle Ford and other deep-water chalk facies reservoirs with cores from South Texas to Louisiana

Lectures will draw from analogous reservoir examples from the Middle East and the South Atlantic for comparison of facies and diagenetic styles.

This promises to be an enriching experience for professionals seeking a comprehensive understanding of Mesozoic age reservoirs in the Gulf of Mexico basin and will provide context to exploration and production strategies in similar systems.

