**October 27, 2022, workshop Presentations**

Bill Harrison, MGRRE, discussed the Mid-Michigan Rift/Gravity Anomaly and how that structure has influenced oil and gas fields in Michigan’s central basin and provides more areas of interest.

Josh Kirschner, and Dylan Foglesong, Savoy Energy, L.P., presented a case study using Electric Submersible Pumps (ESPs) to increase production from the Trenton/Black River formation in Lenawee County.

Harry Faulkner, Lambda Energy Resources, presented a new twist on an old idea, explaining the science behind using high-density surface geochemistry sampling to confirm the presence of hydrocarbons in virgin Niagaran reefs, prior to drilling, where strong reef structure signatures were found through 2- and 3-D seismic.

Mohammed Al-Musawi, Ph.D. candidate at WMU, presented his recent work on building a chronostratigraphic framework of the Early Silurian succession of the Michigan Basin to identify new stratigraphic traps.

Adam Wygant, MDEQ/OGMD, contrasted the difference between the dashboards of the first state geologist and the 16th state geologist 185 years later and he included some new regulatory developments and OGMD updates.

Nelson Fairchild, Encompass Oil & Gas Consulting, and Jessica Kane, Line 45, LLC, presented no-cost options using data and software to make decisions and reveal the right deals and increase profits.

Chuck Knox, Knox Geological, LLC, presented methods and results from his recently completed LiDAR survey over four counties in central Michigan to find out if there was a correlation between the Silurian reef system and LiDAR-derived flow accumulation signatures.

Jennifer L. Trout, MGRRE, gave an update on MGRRE’s recently acquired cores, cuttings, thin sections, well records and new projects, and showed how you can access some of these collections online.

Jim Schramski, Riverside Energy Michigan, detailed several case studies of recent Antrim production facility consolidations executed to reduce operating costs and extend the life of reserves.

Jonathan Garrett, Consumers Energy, showed us how to use and apply simple and free programming tools and software that can help us to get the most out of our data.

Tim Brock, Brock Engineering, LLC, presented a review of successful completion techniques that have been used in the St. Peter/PdC play in Michigan.