

Matthew McAllen

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EDUCATION

PhD, Geology at the University of Houston, TX Expected Dec 2029
Thesis: Petroleum Systems, Basin Modeling and Crustal Flexure Loading of the Amapa Basin in Equatorial Brazil

MS, Geology at the University of Houston, TX Graduation: Dec 2018
Capstone Project: Reservoir Compartmentalization in the V1 and V2 Reservoirs at McAllen Ranch Field, Hidalgo County, Texas

BS, Geology from University of Texas at San Antonio Graduation: June 2016

WORK EXPERIENCE

Business Development Manager for Rock Properties at Stratum Reservoir:
(March 2025 – January 2026)

Special Core Analysis Lab Manager and Junior Petrophysicist at NuTech Energy Alliance: (April 2024 – March 2025)

Petrophysical Technician and X-Ray Diffraction (XRD) Analyst at NuTech Energy Alliance: (January 2022 – April 2024)

Special Core Analysis Laboratory Technician at NuTech Energy Alliance
(January 2019 – January 2022)

Intern Lab Assistant at NuTech Energy Alliance
(November 2018 – January 2019)

Intern Geo-Tech at Texas Gulf Coast Geologic Log Library
(July 2017 – September 2017)

PUBLICATIONS

Workflow for Determining Relative Permeability Behavior in Low Permeability Media Using MICP Drainage-Imbibition Measurements (James Greene, Kent Newsham, Mitch Pavlovic, Kanay Jerath, Coralee Cox, **Matthew McAllen**, 2021) – Presented at URTEC 2021 <https://doi.org/10.15530/urtec-2021-5220>

Poroelastic-Textural Characterization Through Multi-Step Hysteretic Mercury Injection Measurements (James Greene, Laurent Louis, Greg Boitnott, Coralee Cox, **Matthew McAllen**, 2022) – Presented at URTEC 2022 <https://doi.org/10.15530/urtec-2022-3722777>

Computer Programs

Microsoft Office Suite, ArcGIS, QGIS, Petrel, PowerLog, Oasis Montaj

Professional Organizations

American Association of Petroleum Geologists (AAPG) 2016 – Present

Houston Geological Society (HGS) 2025 – Present