

Project Interests with PETRO Case

- Please contact Dr. Advincula for discussions and capabilities (rca41@case.edu)
 - Several projects are on-going and others are in discussion with specific companies.
 - COI and NDA requirements with CWRU apply.
 - Referral to PETRO Case core research and associate faculty.
 - Referral to PETRO Case consortium members and sponsors
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- Oilfield Production Chemicals synthesis and validation.
 - Hydraulic Fracturing Chemicals and Proppants
 - Drilling Fluids
 - Asset integrity management tools for non-metallics and polymers
 - Lifetime, Stability, and Degradation Testing
 - Corrosion and scaling monitoring and specialist training (scheduled with NACE) -sweet, sour, HTHP, brine
 - Coating technologies
 - Oil/water spill technologies
 - Chemical testing: upstream, midstream, downstream.
 - New additives and formulations specific for local produced oil or gas.
 - Polymeric Cement
 - Flow assurance, well-stimulation, EOR, CO₂ capture,
 - Mitigation of asphaltene, paraffin, formation fines,
 - New Polymer Materials: testing of materials in extreme conditions (API, ISO, NACE, ASTM, NORSOK, etc.).
 - Rheology Training
 - Thermo-mechanical analysis Training
 - Certificates Program and in-house training
 - Training of MS/Ph.D.