

# Geomechanics Laboratory Tour



## Geomechanics Lab Testing—Rock Mechanics Measurements

... Capability of replicating response of geomaterials (rocks/soils) & fractures to:

- Excavation
- Stress changes
- Pressure changes
- Fluid flow
- Temperature changes
- Chemical changes

## Lab Testing Capabilities

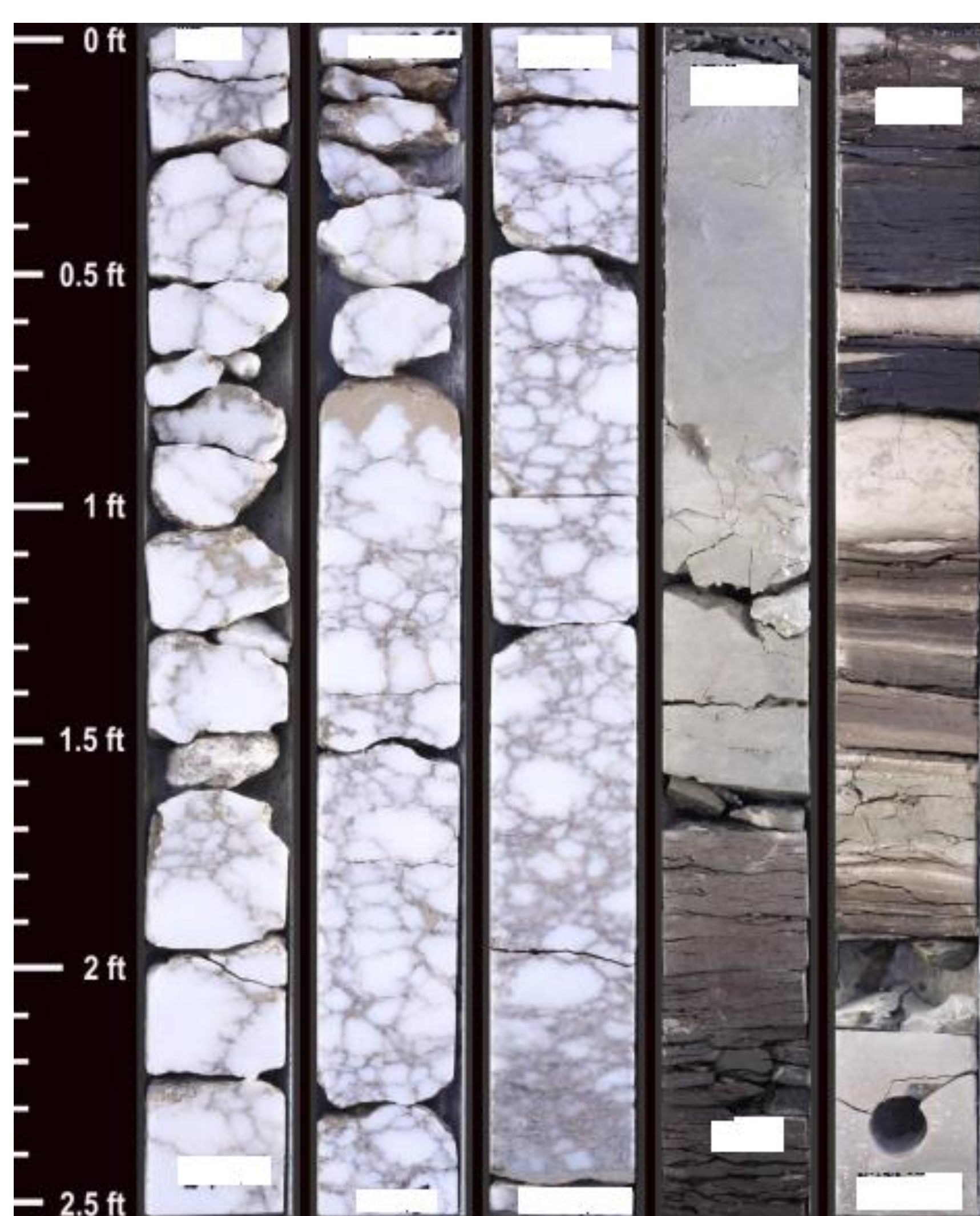
- Brazilian Tensile Strength Test
- Unconfined Compressive Strength Test
- Triaxial Drained/Undrained Tests
- Thick-Walled Cylinder Test
- Hydrostatic Test
- Multi-Stress Compression Tests
- Pore Volume Compressibility Tests
- Biot's Poroelastic Coefficient Tests
- Proppant Embedment Tests
- Scratch Test
- Brinell Hardness Test
- Rock Embedment Strength Test
- Fracture Toughness Tests
- Pressure Penetration Tests
- Membrane Efficiency Tests



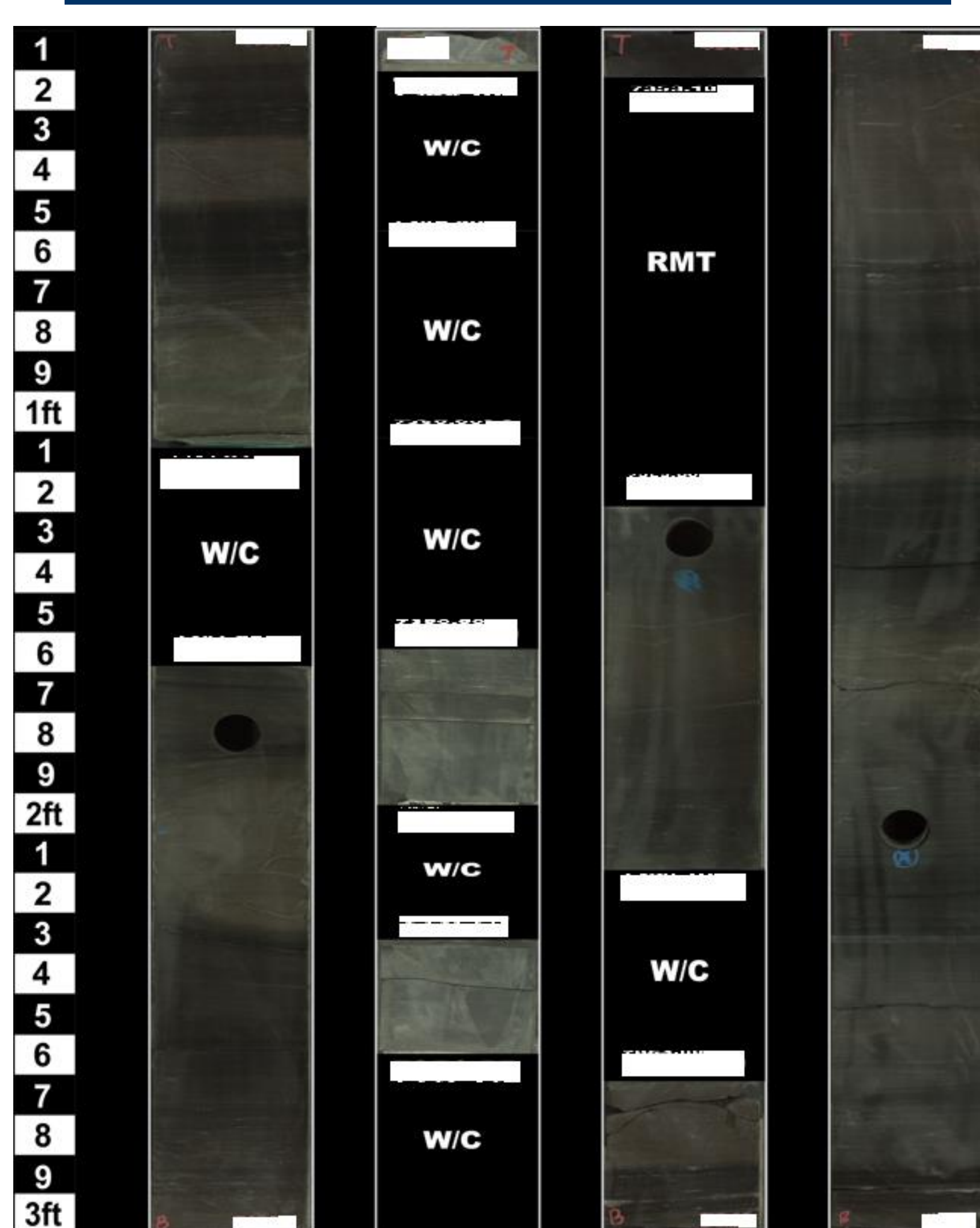
## Lab Tour Includes:

- Lab Test Demos and Test Setup (UCS, Triaxial and Brazil)
- Core Viewing of Caprock, Unconventional and Tight Carbonate Reservoirs (provided by ADNOC)
- Routine Core Analysis, Special Core Analysis, Geochemistry and Geology/Petrology Lab visits
- Downhole logging tools will be available if time allows
- Snacks and drinks

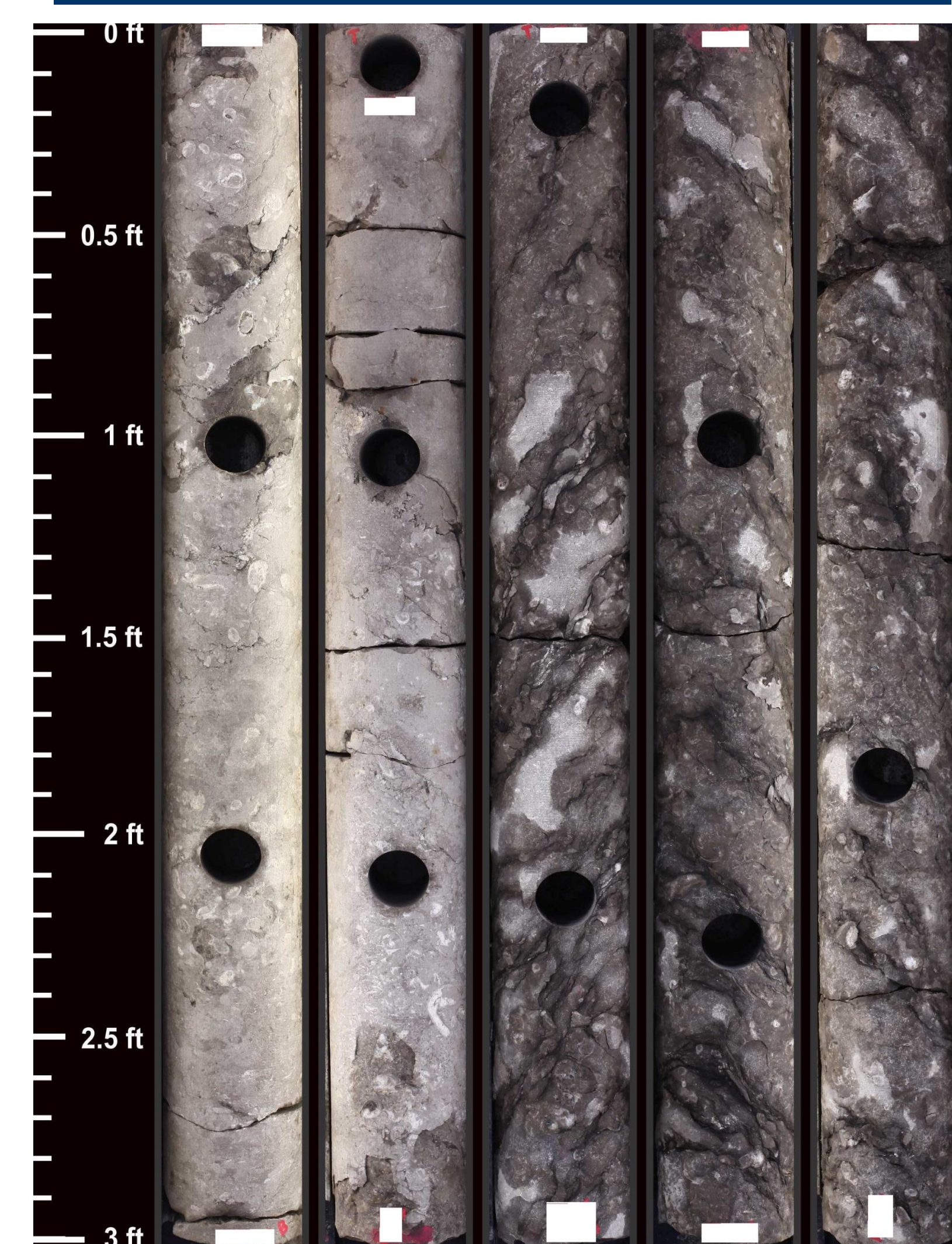
Caprock



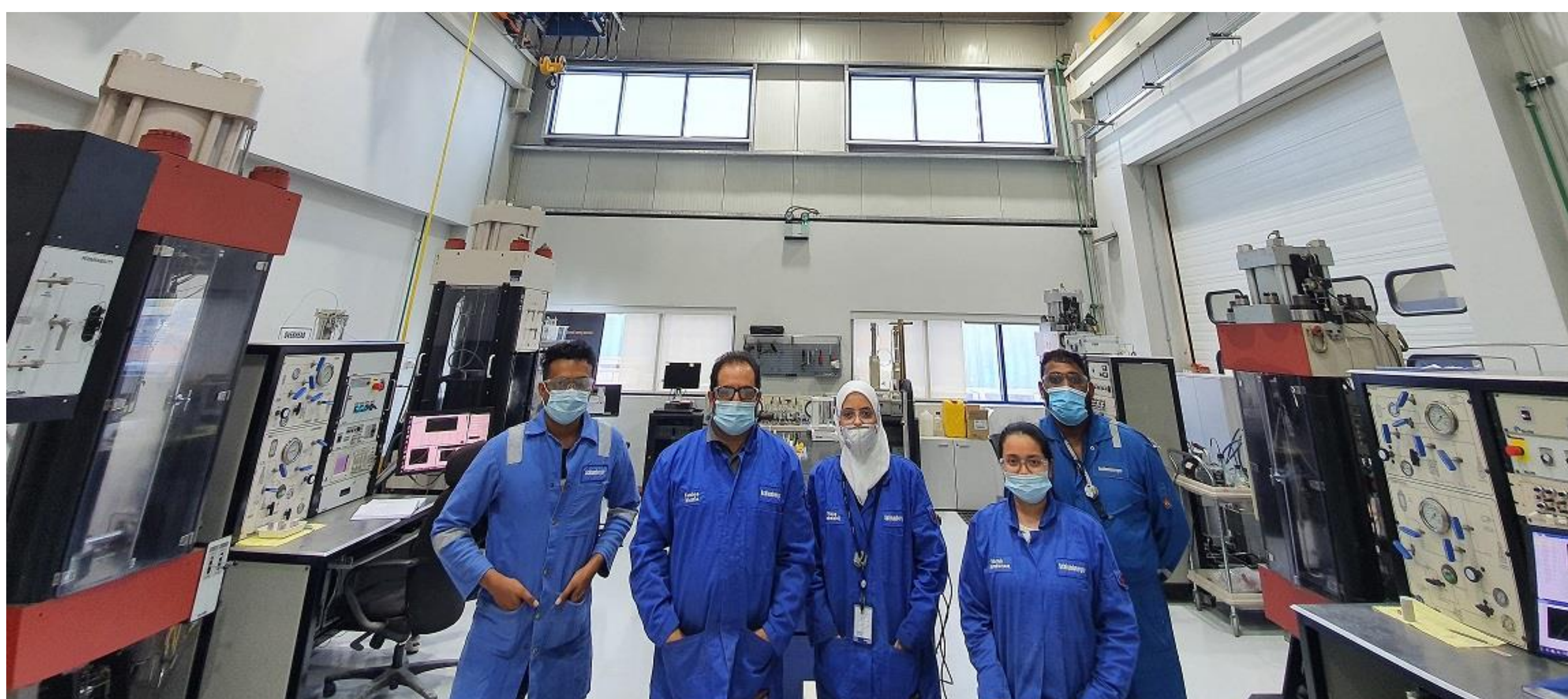
Unconventional



Carbonate Reservoir



## Your Hosts



## Let's Break Rocks Together!

When: November 6, 2022  
 Where: Schlumberger ICAD II Base  
 Departure: 7:15 (Sofitel Abu Dhabi)  
 Lab Time: 8:15-15:15  
 Return Time: 16:00