



## The PureChem laboratory is equipped to simulate field conditions in-house.

Locally-based experts are creating tailor-made solutions based on the environment you are working in to ensure the most efficient program for your well and facilities. Some of the capabilities in our laboratory include:

- Complete oil analysis
- Complete water analysis
- Demulsifier bottle testing
- Wax analysis
- Scale analysis
- Corrosion inhibitor evaluation
- Residual tracking
- Corrosion failure analysis
- Corrosion ring monitoring
- Water compatibility
- Emulsion tendency
- Scale tendency calculations
- Advanced wax testing
- Product selection and development

Much of this analysis is performed on very advanced equipment such as:

### Equipment in our Carlyle Lab:

- ICP (Inductively Coupled Plasma)
- Gas Chromatography
- FTIR (Fourier Transform Infrared) Spectrometer
- UV-Vis Spectrometer
- Sulfur analyzer
- Dean-Stark / Soxhlet Extractor
- Fluorescence Spectrometer
- Brookfield PVS Rheometer
- Brookfield LVDV-II+ Viscometer
- Fann 35A
- Luminultra Kit

### Equipment in our JACAM Lab in Sterling, Kansas:

- Scanning Electron Microscope (SEM)
- Inductivity Coupled Plasma Optical Emission Spectrometer
- Ion Chromatograph
- High Performance Liquid Chromatograph
- Gas Chromatograph Mass Spectrometer
- Liquid Chromatography Mass Spectrometer
- Rotating Wheel Corrosion Oven
- Dynamic Scale Loop System
- FTIR Spectrometer
- Pine Rotating Cylinder Electrode
- Digital Melting Point Appartus
- Salt in Crude Analyzer
- Interfacial Tensiometer
- 3.35X-225X Stereo Zoom Microscope with 80-LED and 9M Camera