

OIL & GAS SERVICES

Enhance Oil Recovery (EOR) Tracer Testing

- Water (surfactant/polymer) and steam-flood inter-well tracer testing
- Comprehensive tracer test design through numerical simulation
- Supply of specialty liquid-, vapor- and multi-phase partitioning tracers with proven stability
- High-pressure, high-flowrate tracer injection (gas and liquids) on-shore and off-shore; Produced fluid sampling, separation and pre-treatment
- Ultra-low detection of liquid and vapor tracers by advanced in-house laboratory instrumentation
- Tracer test data processing and interpretation including numerical simulation

Steam Quality and Two Phase Flow Measure Services

- Steam and water mass flow rate measurement based on Thermochem's (TFT[®]) Technology
- Determination of steam quality at steam generators and wellheads in steam-flood operations
- Allocation of steam distribution; Piping system design and optimization; Calibration and validation of two-phase flow meters

Specialized High Quality Laboratory Analysis Services

- Consistently top-performing lab in Chevron annual inter-laboratory performance audits
- Produced brine, condensate and gas analysis; Scale deposit and mineral analysis
- Mercury speciation in water, hydrocarbons and gases

Consulting Services

- Scale simulation modeling and process control in steam generation systems
- Injection scale and corrosion simulation modeling and process control
- Mercury partitioning and speciation simulation modeling in upstream and downstream processes; safety, control and treatment consulting

OIL & GAS PRODUCTS

Steam Quality and Two-Phase Flow Measurement Equipment

- Steam and water mass flowrate measurement instrumentation based on Thermochem's TFT[®] Technology, to determine steam quality at steam generators, pipelines and wellheads in steam-flood operations
- Multi-Nozzle isokinetic probes and coolers for permanent on-line applications at steam generator and steam scrubber / demister outlets