



**BRINE GEOCHEMISTRY SOLUTIONS - MEASURED BY FLUIDPRO PAL™**



# ACCURATE MEASUREMENTS

## FOR PRODUCTION SYSTEM DESIGN AND CONTROL

Brine geochemistry methods available with the FluidPro PAL™ unit provide valuable data for evaluating potential issues related to the production of organic and inorganic solids. These basic tests are commonly associated with screening in advance of designing production systems and process controls. Measurements are made using proven instrumentation and by SGS certified Chemists to assure the most accurate and representative screening data in the industry – onsite and on demand.

### BRINE GEOCHEMISTRY CAPABILITIES

#### Brine/Water Measurements

- Multi-temperature density/viscosity measurements
- pH measurement for brine/water acidity
- Conductivity and Total Dissolved Solids (TDS)
- Ionic concentrations by programmed digital (ISE) titration
- Automated methods for high quality analyses

#### Oil & Condensate Properties

- BS&W (conforms to ASTM, IP, API, ISO, DIN and NF M methods)
- Karl Fisher water content (conforms to ASTM, IP, API, BS and ISO methods)
- Molecular weight by freezing point depression
- Oil pH and TAN by digital titration

#### Gas Properties

- Moisture content by hygrometer (optional)
- Stain tube measurements to client specifications
- Radon/Mercury content (optional)

#### Technical Specifications

- Temperature Range: variable
- Pressure Range: atmospheric
- Sample Volume Requirement: 5 to 200ml

#### Range of Applications

- Brine geochemistry
- PVT/Flow Assurance Screening
- Sample quality assessments

#### Range of Samples

- Bottom-hole samples
- Wellhead samples
- Separator samples
- Pipeline samples
- Atmospheric samples

**FOR MORE INFORMATION ON BRINE GEOCHEMISTRY, CONTACT [SGSUPSTREAM@SGS.COM](mailto:SGSUPSTREAM@SGS.COM), CALL +1 (832) 813 0145 OR VISIT [WWW.SGS.COM/OGC](http://WWW.SGS.COM/OGC)**

