

# HC-Vision reservoir characterization service

Enabling real-time reservoir  
characterization with gas ratio  
geochemistry data

Wellsite geochemistry datasets have become an indispensable tool for obtaining key characteristics for decision makers. While  $C_1$ - $C_5$  and total gas data are regularly collected at the wellsite, often they are not used for formation evaluation or decision-making.

Baker Hughes can equip you with a greater geochemical understanding of the wellbore by using basic drilling data and  $C_1$ - $C_5$  values to provide formation evaluation insight from gas ratios that have been removed from drilling artifacts, as well as calibrated for various surface logging companies with the **HC-Vision™ reservoir characterization service**.

With the flexibility to utilize data from legacy projects or current drilling projects, a standardized plot format can be created with data inputs either from Baker Hughes Surface Logging Services or other third-party providers.

The HC-Vision service provides critical indicators of wellbore hydrocarbon volumetrics, saturations, porosity, and permeability. These indicators deliver answers about a reservoir's fluid type, productive or non-productive zones, potential fluid contacts, reservoir connectivity, and natural fractures. Now you can be more confident in your decisions that will minimize operational risks, control costs, and allow you to capitalize on reserves entirely from surface measurements.

Contact your Baker Hughes representative today to find out how you can optimize your formation evaluation efforts.

## Applications

- Conventional or unconventional plays
- Exploration and development
- HPHT environments
- Engineered completion designs

## Benefits

- Identifies fluid composition, productive and non-productive zones, and natural fractures
- Detects fluid contacts
- Provides visual reservoir interpretation
- Indications of hydrocarbon porosity, permeability, volumetrics, and saturations
- Integrates with other services
  - STRATA-Vision™ advanced cuttings evaluation service from Baker Hughes (XRD, XRF, and pyrolysis)
  - Wireline
  - LWD/MWD