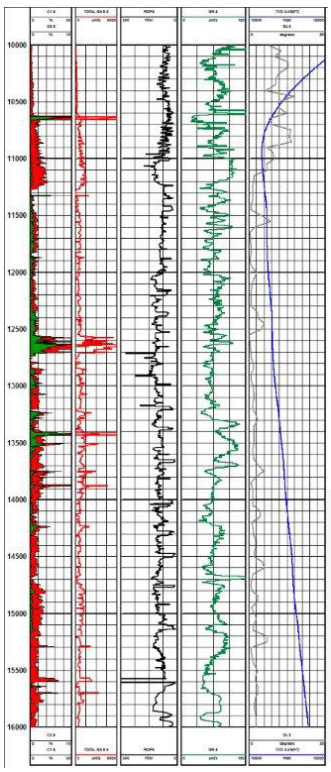
Gas Watch III

Gas Detection System

Accurately identify your pay zones

Built on NOV-patented technology, the Gas Watch™ III dual infrared system measures both methane (C1) and propane (C3) gases. Unaffected by oil-based mud, the Gas Watch III system measures only formation gasses, accurately pinpointing gas shows and their magnitude. Calculating the C1/C3 ratio can provide a valuable tool in identifying hydrocarbon characteristics, which aid in geosteering and reservoir characterization. Solid-state sensors eliminate the need for field calibration and are guaranteed for five years.



The Gas Watch III trap

The Gas Watch III trap's enhanced sampling function guarantees accurate air-to-gas mixture, which is critical in gas-ratio analysis, and the advanced beater bar configuration minimizes gas concentrations due to mud height. Our new design eliminates motor seizure due to corrosive liquids and allows quick and easy maintenance, resulting in maximum uptime.

Data integration promotes informed decisions

You can track all gas readings on the rig in conjunction with your normal RigSense™ electronic drilling recorder (EDR) and access your data though the WellData™ information system.

Contact your local NOV representative to learn how the Gas Watch III system can enhance your hydrocarbon characterization and improve your production.

Features and Benefits

Dual sensor detects C1, C3, and total gas
- Speciation of gasses aids in geosteering and hydrocarbon characterization

Hydrocarbon-specific sensors
- Identifies formation gasses only and not impacted by oil-based mud

Solid-state infrared technology
- Eliminates sensors fading over time and remains calibrated longer

No filaments to change and operating range of -22 (-30) to 122°F (50°C)
- Requires minimal maintenance and provides strong dependability

Integrates with the RigSense EDR
- Provides tracking of C1, C3, and total gas/ROP gas log on the rig

System Health Check

- Vacuum monitor
- Auto blowback
- Auto pump shutdown/restart
- Dirty optics alarm
- Sensor failure alarm

M/D Totco | NOV Wellbore Technologies

MDTotco@nov.com nov.com/mdtotco