

## Surface Logging Rentals



### Advanced Wireless Infrared Gas Detection Technology

Easy to use, real-time data acquisition and display for on-demand reporting and responsive decision making.

### Our Hardware: Innovative, Reliable, Accurate

- Infrared sensor detects C<sub>1</sub> to C<sub>4</sub> (methane to n-butane) for on-demand reporting
- CSA special acceptance approved for Class 1, Division 2 groups B, C & D (explosive areas)
- The rugged, durable aluminum enclosure is explosion proof and withstands the tough environment of drilling rig operations
- Secure, wireless data transfer

### Wireless Benefits

- Increase safety by eliminating the potential entry of poisonous gases in the geologist's work area
- Powerful radios are built to military specifications, software and operate with a non-line-of-sight of 8 km (5 miles)
- Saves space in the geologist's work area
- Safe, easy and quick to rig up
- Less risk of freezing with the reduction of poly lines
- Gas is analyzed in seconds increasing accuracy and safety

### Infrared Advantages

- Detects trace amounts of hydrocarbons
- Provides excellent thin-bed resolution and fracture analysis
- Has no known contaminants and works in the presence of moisture
- Increased repeatability and sensor life
- Optical filters allow detection of gases within a precise wavelength
- Carbon Dioxide, Nitrogen, Hydrogen Sulphide, mud additives, etc. do not affect sensor readings
- Non-destructive sampling method (no combustion of gas sample)
- No carrier gas
- One second sampling provides increased accuracy for geosteering
- Isomer gas collection friendly

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### Advanced Wireless Infrared Gas Detection

#### Our Software: Concise, Powerful, Flexible

- Software is WITS compatible enabling communication with any Electronic Drilling Recorder (EDR)
- ROP, Total Gas, and Gamma Ray data are easily exported
- Data can be viewed and exported in both time and depth formats
- Gas lag calculations are based on annular velocity, and circulating data, accurately correlating Gas, and ROP against depth
- Gamma data is logged according to the location of the tool
- Gas normalization feature and plot
- Full suite of user configurable alarms

#### Why Surface Logging Rentals?

- We offer industry-leading, CSA approved, wireless infrared hydrocarbon monitors using advanced technology.
- Exceptional field support and customer service makes Reservoir Group the most logical choice for your gas detection requirements.