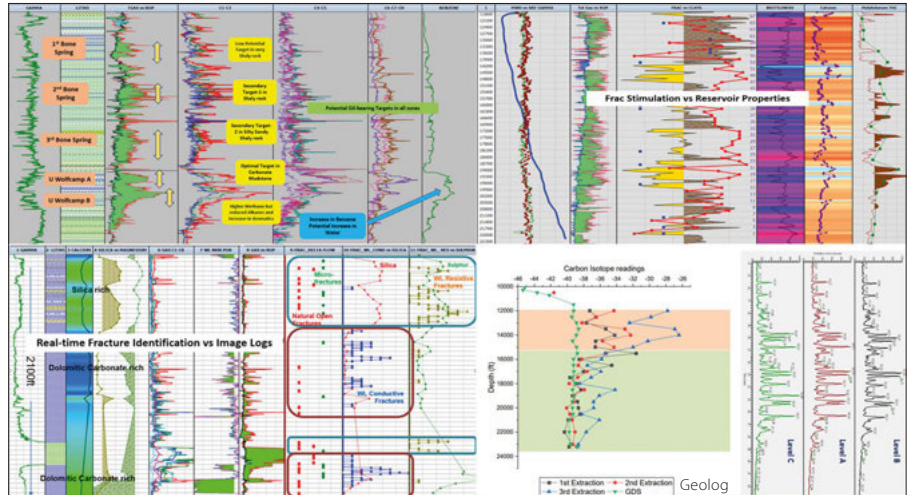


Unconventional Formation Evaluation: Advanced Surface Logging Solutions

Ongoing market pressure has led operators to focus on cost-control, seeking improved value from services delivering well data. **GEOLOG Surface Logging** has developed solutions utilising mud gas and drill cuttings to deliver hydrocarbon and formation characterisation: helping operators understand reservoirs, drill efficiently, predict production potential and improve well placement and completion strategies.

By applying advanced rig site analysis of hydrocarbon composition from mud gas and drill cuttings from C1 to C27 alongside C1 to C3 carbon isotopes, GEOLOG delivers fluid typing, heterogeneity/compartmentalisation assessment, gas maturity data, reservoir sealing and biodegradation information. Combined with analysis of cuttings mineralogy, lithology, clay type, chemical composition, total organic carbon, source rock maturity and formation potential, a comprehensive suite of critical reservoir information is achievable whilst drilling.

GEOLOG's patented real-time monitoring of micro fluid losses, integrated with drilling parameters and formation evaluation data allows identification and characterisation of pre-existing and drilling-induced fractures in real time, facilitating completion decisions. Analysis of cuttings headspace gas allows relative permeability and reservoir heterogeneities in laterals to be understood, further improving completion planning and well economics. By utilising these surface technologies, results are achieved without the risk and costs of downhole tools. ■



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Surface Logging Services
Drilling Solutions
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COST EFFECTIVE SOLUTIONS TO UNDERSTANDING YOUR RESERVOIR

GEOLOG's advanced technology solutions deliver invaluable data to understand your reservoir's structures through industry leading analysis and interpretation of geochemical properties

GEOLOG: 40 years of delivering advanced solutions and increasing value

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