



Weatherford®

REAL RESULTS

Advanced Gas Detection and GC-TRACER™ Detector Identify Liquid Phase and Tar in Saudi Limestone Formation

Objectives

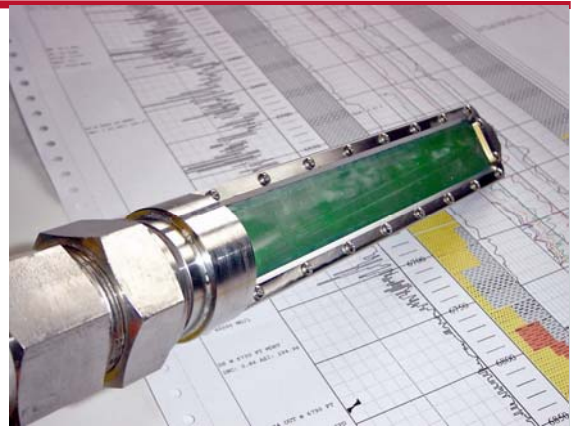
- Identify potential reservoirs through onsite detection and interpretation services. While drilling a series of exploration wells, the operator encountered particularly high values of heavy gases C3 through C8 but was unable to identify the reasons for the anomaly. Two of the wells presented the same gas trend between 8,100 and 8,500 ft (2,469 and 2,591 m) of a limestone formation.

Results

- Weatherford's surface logging crew used the GC-TRACER surface gas detector for advanced gas detection and provided interpretation to identify and characterize the liquid phase and associated gases.
- The high C3 content, low C1 and C2 content, high value of total hydrocarbon, and heavy compounds increment indicated the presence of tar.

Value to Client

- The speed and accuracy of the GC-TRACER detector, plus Weatherford's onsite gas interpretation service, helped the operator make a more informed decision about the potential for the identified zone and saved the operator about US\$0.5 million.



The speed and accuracy of the GC-TRACER surface gas detector enhance reservoir detection and evaluation capabilities. Leveraging a patented membrane-based extraction technology, it delivers more precise results in less time than traditional methods, such as the gas agitator trap.

Location
Saudi Arabia

Number of Wells
2

Well Type
Exploration

Products/Services

- Surface logging services
- GC-TRACER surface gas detector

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