

#### IV. EVALUATION AND TESTING

##### A. Hydrocarbon Evaluation

Standard mud-logging techniques were used for hydrocarbon evaluation while drilling Tilana No.1. Combustible gas levels were monitored continuously using a Flame Ionisation Detector, and the gas analysed continuously for methane through butane using an FID Chromatograph. A hydrogen sulphide detector was run continuously for the duration of the well. Gas trapped in cuttings was detected by pulverising 100cc of sample in a blender, with water, and monitoring the amount of gas liberated, using a hot-wire detector. Mud, unwashed cuttings, and washed cuttings were observed under ultra-violet light for the presence of hydrocarbons.

##### B. Wireline Logging

The following Wireline-Logs were run:

Depth	Log Suite
1662m (5452')	ISF-BHC-GR-Cal-SP
3066m (10059')	ISF-DDBHC-MSFL-GR-SP LDL-CNL-GR HDT WST CST
3900.3m (12796')	ISF-MSFL-BHC-GR-SP LDL-CNL-GR HDT WST CST RFT