

Well Integrity Logging Service and Geophysical Borehole Data Interpretation

Our Service for you

Fraunhofer IEG cooperates with DMT to provide a solution for casing integrity services including logging, interpretation, and assessment of wells. Furthermore, designated IEG colleagues are recognized expert reviewers in well integrity for the Lower Saxony state office for mining, energy, and geology.

Additionally, to the geophysical borehole log evaluation offer, we support the preparation of geophysical logging campaigns, technical tenders, and market research.

We work on professional commercial geophysical logging software, own laboratory and borehole logging tools.

Two main scientific areas of Expertise

1. Borehole integrity and reservoir performance

We provide services

- cement integrity
- corrosion evaluation
- leakage identification
- evaluation of reservoir productivity
- estimation of rock mass permeability

2. Reservoir characterization

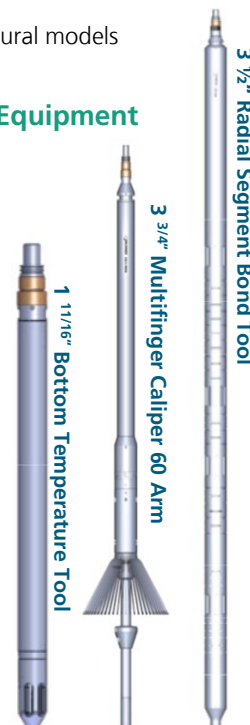
We provide services

- reservoir parameters for the evaluation of geothermal potential
- discrimination of lithological layers
- inputs for numerical models
- litho-logs and well tops
- development of geological-structural models

Well Integrity Logging Tool Equipment

- 3 1/2" Radial Segment Bond Tool (RSBT) *
- 3 3/4" Multifinger Caliper 60 Arm (MFC 60)*
- 1 11/16" Bottom Temperature*

*Tool Manufacturer: ANTARES



Interpretation and Tool Deliverables

RSBT Deliverables

- Full circumferential resolution for better channel identification
- Provides a 360-degree cement map
- Cement bond quality measurement
- Operates in casing from 4,5 into 13,63 in
- Indicates channels and intervals using radial receivers
- Quantitative analysis of cement bond to casing
- Quantitative analysis of cement bond to formation

MFC60 Deliverables

- Quantification of scale build up and corrosion
- Accurate location of holes, deformation or anomalies
- Detects axially oriented metal loss
- Identification of completion items and damage

TEMP Deliverables

- Borehole Temperature Profile

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Wireline Logging Service

Open Hole and Cased Hole Services

Geo Field Services
dmt-group.com



Casing Integrity Logging

DMT provides a range of cased hole logging solutions for all kinds of applications. DMT cooperates with Fraunhofer IEG to provide a one stop solution for casing integrity services including logging, interpretation and assessment of wells.

Various measurements are available to assess wall thickness, casing wear, pitting or other casing damages as well as cement quality.

Each logging operation will be tailored to customer requirements. The client can choose if logging service only is required, or if interpretation and evaluation of the data should be included in the service package.

Casing Inspection Services

- Casing Wall Thickness
- CBL-VDL
- Segmented Cement Bond
- Downhole Camera Inspection
- Fluid Flow Detection/Analysis
- Temperature/Salinity

Open & Cased Hole Logging

DMT offers Open- & Cased hole logging services for deep wells.

For this purpose, DMT has two logging units at its disposal, equipped with the necessary technical capabilities and capable of deployment in depths exceeding 6000 meters. Since the launch of our new product line, we have demonstrated our capabilities in a number of projects, conducting both individual logging runs to answer specific questions and comprehensive logging campaigns accompanying the drilling process of new wells.

DMT could demonstrate its capabilities even with advanced measurements such as X-Dipole, NMR and Imaging.

Our service includes, but is not limited to:

- Gamma Ray / Spectral Gamma Ray
- Resistivity (Induction and Laterolog, SP)
- Sonic (Full wave sonic / X-Dipole)
- Formation density (Pe)
- Formation Imaging
- Nuclear Magnetic Resonance

DMT

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Geo Field Services

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