



车载页岩气现场综合分析系统

Vehicular Onsite Shale Gas Test and Analysis System

可以对页岩含气性参数、油气地球化学参数、岩石学性质参数、储层物性参数、岩石物理力学参数进行现场测试的多参数综合分析系统，专用于为页岩气地质勘查提供及时、快捷、保真的现场测试数据。

The system is based on a vehicular test and analysis platform for acquiring multiple shale gas parameters, such as content and components of the gas, petroleum geochemical and petrological parameters of the shale, **physical property parameters of the reservoir, rock mechanics parameters of the shale, etc.** Characterized by real-time and fidelity, it is professional at onsite data collection for shale gas exploration.



及时到达
On time



专业操作
Professional



实时测试
Real-time

功能参数

- 含气性**测试**：页岩含气量，解析气化学成分
- 烃源岩**分析**：TOC，成熟度，有机质类型
- 岩石学**分析**：矿物组成，常量、微量元素
- 储层物性**分析**：页岩的孔隙度、渗透率、流体饱和度
- 岩石力学**测试**：单轴抗压强度，弹性模量，泊松比，三轴抗压强度，粘聚力，内摩擦角，抗拉强度

特色与优势

- 多功能集成
- 集约化管理
- 地质学解译
- 图示化表达

Functions and capabilities

- Gas property **analysis**: Content and composition of shale gas
- Source rock **analysis**: TOC, Maturity and type of OM
- Petrological **analysis**: Mineral and elemental composition of shale
- Reservoir property **analysis**: Porosity, permeability and fluid saturation of shale
- Rock mechanics **test**: Uniaxial compressive strength (UCS), Modulus of elasticity (E), Poisson ratio (ν), Triaxial compressive strength, Cohesive (C), Internal friction angle (ϕ), Tensile strength

Highlights

- **Multifunctional data acquirement**
- Integrated facility management and operation
- Geological data interpretation
- Graphical data presentaion

