



Weatherford®
LABORATORIES

Routine Core Analysis

OVERVIEW

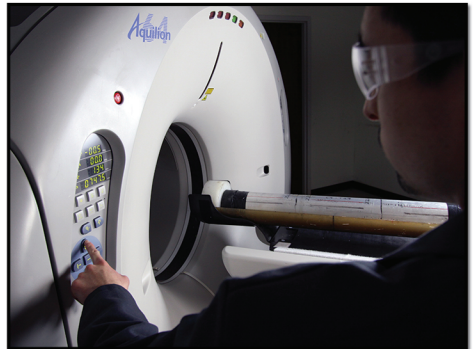
WELLSITE SERVICES

- Core stabilization
- Detailed marking & cutting / core orientation
- On-site core preservation / polymer dip
- Temperature & shock monitoring
- Weatherford transportation systems



CORE LOGGING & GAMMA

- Total gamma
- High resolution spectral gamma
- Scout CT scan with density profile
- Helical CT scanner, 3D views, data manipulation to illustrate bedding, fracture planes & other features governed by density differentials.



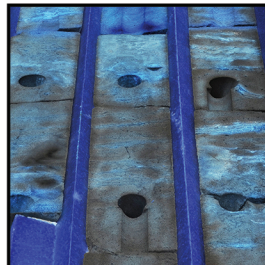
CORE EXTRUSION & MANAGEMENT

- From inner barrel for fracture description & analysis
- Wipe down, mark & stripe
- Black / red orientation stripes & meter marks
- Immediately wrapped in film



DIGITAL IMAGING

- Full & half scale high resolution photographs
- White light & ultraviolet photographs
- Strip log photography
- Core viewing in confidential core examination rooms



ANALYTIC PREPARATION

- Full diameter & plug sampling
- High speed rotary & low speed band saw
- Epoxy encapsulation core stabilization cutting
- Epoxy biscuit slab preservation
- Shale Rock Property sampling for modified GRI
- Slab surface preparation - invasive fluids
- Slab surface preparation - non-invasive fluids



CLEANING & RESIDUAL FLUID SATURATION

- Dean Stark apparatus & method for water / oil removal
- Azeotropic process to clean out salts
- Clay sensitivity stabilization drying



ROUTINE CORE ANALYSIS

- Physical rock properties (K, ϕ & grain density)
- Laser bulk volume
- Extended overburden permeability
- Klinkenberg corrected measurements



STORAGE

- Core inventory management system
- Ambient storage, chillers & -30°C freezers are all provided based on the type of rock/core



WEB PUBLISHING

- All of Weatherford Lab's Routine Core Analysis results can be directly accessed by each client to their own report page from the main website free of charge

