Been There – Cored That
Your Coring Solutions Provider

Coring Services

Global Performance
- Over 400 jobs performed each year
- 28,000 runs in our global database
- Coring for 173+ customers in 47 countries
- Superior service quality with virtually zero NPT
  - No LTI in over 13 years
  - 18 years LTI-free operations in Oman
- 94% core recovery

Full Range of Coring Services
From unconsolidated to ultrahard abrasive formations
- Conventional coring with Heavy Duty Threadform (HDT) core barrels
- Coring in unconventional reservoirs with
  - RockStrong™ jam mitigation system
  - Continuous wireline coring systems
    - Latch-Les™ 2” OD core
    - RockSwift™ 3” OD core
- HPHT coring with RockStrong System
- Specialized coring services
  - Full Closure System for unconsolidated formations
  - Sponge Coring™ for EOR; original developer of the sponge technology
  - Oriented coring

RockStrong Coring System
Core barrels with
- RockStrong swivel assembly to mitigate jamming; absorbs axial vibrations to prevent jams from forming
- Best-in-class core bits to maximize ROP and extend bit life

Sponge Coring - the sponge liner absorbs oil expelled from the core during retrieval to surface.

Full Closure System – a “collapsing sleeve” mechanism captures unconsolidated formation.
Best-in-Class Core Bit Technology

**Ci3156c Diamond Impregnated Core Bits**
- Increased ROP in very hard formations; up to 4X that of legacy impregnated bits
- Increased life span – up to 10X in some cases – for longer runs and longer barrels

**FC3000 Series PDC Core Bits**
- Latest premium PDC cutter technology available
- Impact and abrasive resistant for higher ROP

**BHA Modeling**
- Understanding BHA and drillstring dynamics
- MAXBHA™ modeling of vibration and optimal RPM ranges
- Identify optimal stabilizer placement

**FE / Petrophysical Services**
Halliburton offers a complete range of Formation Evaluation and Petrophysical consulting services. We can work with these groups to utilize your core data to enhance the reservoir description process.

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**Case History**

**Deepwater Timor Sea**
- Challenge – recover 384-ft in a single run in an HT environment
- Solution – deploy a 390-ft HDT core barrel with RockStrong for jam mitigation and Ci3000 bit for optimal ROP
- Results – 100% core recovery in less than 33-hrs

**Luna Field, Scandinavia**
- Challenge – core in a conglomerate reservoir of pebbles in a sandstone matrix. Traditional core recoveries averaged 82% with an efficiency of only ~50%.
- Solution – deploy a HDT core barrel with RockStrong for jam mitigation and Ci3000 series impregnated core bits bit for optimal ROP and bit life
- Results – core recovery jumped to 95% with 100% efficiency