Integrated Diagnostic and Intervention Solutions

SPECTRUM®
Real-Time Coiled Tubing Services
SPECTRUM® FUSION
Real-Time Electric and Fiber Optic Coiled Tubing

- Integrated Logging Capability
- Open Architecture
- No Power Limitation
- Enhanced Single Trip Capabilities
- Improved operations efficiency

Hybrid Cable
- Electric and Fiber Optic

Real-Time Sensors
- Precision in interventions

Wireline Capabilities
- Plug and Play

Plug and Play

Precision in interventions
SPECTRUM® FUSION
Real-Time Electric and Fiber Optic Coiled Tubing

Hybrid Cable
DTS / DAS

Cluster Efficiency
Flow Contribution
Well Integrity
Well Interference Monitoring
SPECTRUM® FUSION

Hybrid Cable
DTS / DAS

Wireline Capabilities
Plug and Play
Optimized milling operations
Pressure / Tension / Compression / Torque / Vibration
SPECTRUM® FUSION
Real-Time Electric and Fiber Optic Coiled Tubing

Enhanced Stimulation Treatment
Pressure / Temperature / Collar Locator / GR
SPECTRUM® FUSION
Real-Time Electric and Fiber Optic Coiled Tubing

Precision for Perforations
Gamma Ray / Collar Locator
Vibration / Pressure / Tool face
SPECTRUM® FUSION
Real-Time Electric and Fiber Optic Coiled Tubing

Multilateral Access Validation
Gamma Ray / Collar Locator
Inclination / Tool face
SPECTRUM® FUSION
Real-Time Electric and Fiber Optic Coiled Tubing
SPECTRUM® 360
Real-Time Camera Services

- 360 Degree Lens Coverage
- Integrated LED Lighting
- Flow Thru Technology
- Real-Time high resolution color video
SPECTRUM® 360
Real-Time Camera Services

- Enhanced diagnostics and evaluation in real-time
- Optimized decision making process on the well site
SPECTRUM® 360
Real-Time Camera Services

- Plug & Play on SPECTRUM® FUSION
- Flow thru design / Suited for all chemical services
- Single trip with mechanical or logging tools
- Rated to 300F / 15K psi
- 2.25” and 3.375” OD
SPECTRUM® 360 - Augmented Diagnostics

Cluster Efficiency / Flow Contribution

Perf Inspection

Well Integrity

Leak Characterization
SPECTRUM® 360 - Augmented Diagnostics

- Assessment of diversion effectiveness
- Dimensioning capabilities
SPECTRUM® 360 - Augmented Interventions

- Cleaning / Scale Removal
- Sleeve Shifting
- Lateral Entry
Do it Once… Do it Right.
SPECTRUM® 360
Real-Time Camera Services
SPECTRUM® FUSION
Real-Time Electric and Fiber Optic Coiled Tubing

SPECTRUM® 360
Real-Time Camera Services

MORE BARRELS

LESS COST

DEEP WATER
MATURE FIELDS
UNCONVENTIONALS