

BECOME TRULY DIGITAL LIVE WELL DATA IS KEY

DESCRIPTION

WiCCS offers the benefits of electrical Coiled Tubing (eCT) without an injected wire. A “wireless” Coiled Tubing (wCT) feature can be added to any standard coiled tubing string, extending its capabilities. WiCCS is a real-time logging and circulation control tool fully compatible with drilling motors and hydraulic tractors, plus offers selective circulation controls. An electrical interface can adapt WiCCS to third-party logging and activation tools, including the WINS ALADIN Advanced Lateral Detection and Imaging system for use in multilateral wells.

BENEFITS AND FEATURES

WiCCS contains a turbine-generator that provides downhole power, two-way pressure pulse telemetry, and flow rate measurement. Basic logging functions include pressure, temperature, tension and compression, inclination, and position. A three-way, three position variable valve controls mud motors, tractors, and bypass circulation or injection whenever needed. Additional logging capabilities like CCL and Gamma are available. Contact WINS about more sophisticated logging tool capabilities.

APPLICATIONS

- Coiled tubing milling and cleaning
- Extended reach coiled tubing drilling
- Extended reach treatment, thermal evaluation, and retreatment
- ICD manipulation
- Very slim CT logging and treating through ESP Wye tools.

SPECIFICATIONS

Description	WiCCS Specification
Pressure Calibration ¹	Range Choices: 5,000, 10,000, or 15,000 psi Accuracy: ±0.01% Full Scale Resolution: 0.00005% Full Scale
Temperature Calibration ¹	Range Choices: 125 or 150°C Resolution: 0.001°C Full Scale
Flow Calibration	Range Choices: 0.5-2.5 or 1.0-5.0 bbl/min Accuracy: ±2% Full Scale
Force Sensor	Range Choice: -20,000 to 40,000 lbs Accuracy: ±2% Full Scale
Inertial Measurement Unit (IMU) ² (Accels, Gyro, Euler Angles)	Range: ±8g, ±2000°/s, 90,180,360° Resolution: 0.004g, 0.06°/s, 0.1° Accuracy: 0.036g, 3.1°/s, n/a
Telemetry Distance:	20,000+ ft
Tool OD:	2.125"
Tool Upper and Lower Thread Interface:	1.5 AMMT Box Up x Pin Down
Materials:	Inconel 718 & Electron Beam Weld (EBW)

1 – MEMS Micro Pressure and Temperature Digital Sensor from www.openfield-technology.com

