



DataCoil™

DataCoil™ is a state of the art coiled tubing logging sensor capable of recording multiple parameters simultaneously when placed at the end of the coiled tubing string or included in the BHA. The system is designed to be extremely rugged and can be used in virtually all coiled tubing applications including reservoir fracturing, stimulation, pressure testing, multi lateral entry, drilling, etc.

The ability to analyze forces and stress acting on the coil permits the operator to better determine alternate solutions for thru tubing operations and bottom hole assembly configuration. The ability to accurately acquire dynamic forces acting on the coil at depth increases operator awareness of coil and fluid movement down hole that will ultimately enhance the entire thru tubing process.

UAI sensor technology has been in operation since 2008 through the application of the DataStem™ and MPact™ logging sensors for slickline operations. The adaptation of the sensor module from these tools was applied to the DataCoil™ system and repackaged, resulting in a very reliable and robust system. The current sensors have acquired over 10,000 impacts from hundreds of installations in the field and are proven to have an exceptionally high reliability record. The fact that our 'Impact Sensor' has never failed is a testament to the robust nature and design of this particular part of the system.

Features

- Two sizes available, 2.125" and 2.875"
- Pressure
- Temperature
- Weight on bit
- Inclination

Applications

- Thru Tubing frac pack pressure monitoring for circulating, squeeze and displacement analysis
- Thru Tubing screen deployment and setting:
 - Force recognition
 - Pressure/temperature analysis
 - Inclination analysis
- Thru Tubing perforating:
 - Pressure waves
 - Impact data
 - Temperature
 - Inclination analysis
- Data analysis of the following:
 - Parameters of setting
 - Parameters of recovery
- Pressure, Temperature, Impact, Inclination and Strain:
 - Thru Tubing Packers
 - Inflatable Packers
 - Permanent Packers
 - Straddle Packers
 - Retrievable Bridge Plugs
 - Lock Mandrels
 - Side Pocket Mandrels
 - Sliding Side Doors
 - Intelligent Completion Sleeve Manipulation Confirmation

SmartCoil™
Ready