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TECHNICAL DATA SHEET

UMT

Ultrawire™ Memory Tool

The Ultrawire™ Memory Tool (UMT) is designed to be run with well integrity and production logging sensors enabling them to be run in memory mode (e.g. slickline or coiled tubing) without the requirement for surface read out.

A laptop and software are used by the READ engineer to program the UMT prior to logging. Sample rates and start and stop times are variable for each logging sensor, allowing power and memory to be preserved. The UMT is powered by a separate, high capacity Lithium battery pack.

Downhole, the UMT controls the toolstring and stores logged data against time in non-volatile flash memory with full redundancy. When the toolstring is returned to surface, the recorded data is downloaded to the laptop. This data is then merged with data from a Depth-Time Recorder (DTR) before processing to industry standard depth-based log files.

APPLICATIONS:

- Coiled Tubing logging
- Slickline logging
- Memory production and injection well logging
- Memory well integrity logging

BENEFITS

- Deployment on slickline eliminates requirement for costly electric wireline spreads
- Deployment on CT to enable memory operations in highly deviated and horizontal wells
- Flexibility to operate with a wide choice of sensors and applications
- Both well integrity and production logging
- Fully built-in memory redundancy



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Specifications

| | UMT 003 | UMT 007 |
|--------------------|-----------------------------------------------|----------------------|
| Temperature rating | 350°F (177°C) | |
| Pressure rating | 15,000 psi (103.4 MPa) | 20,000 psi (138 MPa) |
| Tool diameter | 1 11/16 in (43 mm) | 1 11/16 in (43 mm) |
| Tool length | 25.66 in (652 mm) | 12.5 in (317.6 mm) |
| Tool weight | 10.6 lb (4.8 kg) | 5.9 lb (2.7 kg) |
| Memory | 128 MB | 1,024 MB |
| Sample rates | From 20 ms to several days (20 ms increments) | |
| Materials | Corrosion resistant throughout | |