

Modular Downhole Tractor

MDT

Description

The Modular Downhole Tractor (MDT) is a wireline deployed system used to push passenger logging tools and perforating guns into difficult well profiles. The MDT contains a highly efficient (97%) and powerful electric motor that drives the tool. Signals from the MDT and associated sensors are compressed downhole in the electronics cartridge for transmitting to surface enabling the logging engineer to monitor various parameters in real-time and to control the MDT with precision. A surface-controlled switch, within the electronics cartridge, isolates the MDT from its passenger tools.

Features

- Real-time log of CCL, Head Tension, Tractor Load, Tractor Speed, and Arm Position.
- DC powered Tractor drives both uphole and downhole.
- Modular drive sections.
- WEST simulation software for pre-job planning.
- Low cost alternative to coil tubing deployment.

Applications

- Conveys downhole tools along horizontal or highly deviated sections.
- Allows normal wireline services to be carried out beyond the usual freefall depth without the need for coiled tubing or other mechanical deployment system.

Specification

O.D.	2 1/8 in
Length	24.3 ft
Pressure Rating	15,000 psi
Temperature	150°C
Pipe Range	Up to 9 5/8 in
Max Cont Load	600 lbs
Operating Voltages	50 to 660 volts at

