

Unit Specifications

Coil Tubing Unit – Deep



Powertrain: FuelTank

Engine	Caterpillar C-15
Fuel Type	Diesel
Horsepower	550 @ 2100 RPM
Torque	1850 lb-ft @ 1200 RPM
Transmission	Eaton RTLO-18918B
Air Compressor	BW BA-921 15.9 Single Cylinder w/ Safety Valve
Air Dryer	Meritor 1200 Heated Dryer

The coil tubing unit truck is furnished with dual, 150 gal aluminum fuel tanks.

AirSystem

The air system for typical unit operation consists of the following:

- An engine mounted air compressor
- An air receiver system
- Complete pneumatic plumbing (valves, drains and gauges)



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HydraulicSystem

The hydraulic system includes the following components:

- 5 Stage commercial gear pump
- 90 Series Sunstrand injector drive pump
- Accumulator Blow Out Preventer comes with Nitrogen back up

Equipment

The Coil Tubing Unit has a variety of equipment included with the package such as an extendible control cabin, an injector, a coil tubing reel, and a blowout preventer (BOP).

ControlCabin

Mounted on the deck is an automated telescoping operator’s station. It extends to a position several feet above the deck so the operator can see the wellhead and the activity around it. It is temperature controlled so the unit can be operated comfortably in a variety of weather conditions.

There is a control panel in the operator’s station control panel is fitted with the following:

- Full Medco Data Acquisition System
- Throttle Control
- Hydraulic Controls
- Oil Pressure Gauge
- Emergency Shutdown Switch
- Engine Temperature Gauge
- Air Pressure Gauge
- Carrier/Pump Selector
- Work Lights
- Electronic BOP controls

Injector

This unit uses a Hydraco 80Series

Push/Pull	80,000 lb
Chain Tension	Hydraulically Adjusted
Skate Pressure	Hydraulically Adjusted
Tubing Stripper	NOV Quick-Strip 10K
Blow Out Preventer	10K Quad BOP



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CoilTubingReel

The reel uses an offset open spoke type of construction with square and rectangular steel tubing.

The core consists of a rolled steel tube and lateral cross support beams. The tubing reel is mounted on heavy duty roller bearings in a steel frame that is complete with level line to spool the tubing evenly.

The reel is driven by a chain and sprocket assembly powered by a Danfoss hydraulic motor. Reel braking is accomplished through a self aligning air operated brake caliper and a flange mounted disk. The coiled tubing is connected to the reel shaft inside the reel core area. A high pressure ball valve is installed between the coiled tubing and the reel shaft.

ReelCapacity

1.5" diameter coiled tubing	6000 m
1.75" diameter coiled tubing	5000 m
2" diameter coiled tubing	4000 m

BOP

This unit uses a 5" 10k Quad Hydraulic BOP system, which has Quick Lock Hydraulic Actuators, and complete with fire retardant hose package. Comes with a 20G Accumulator Skid with Nitrogen Backup and Remote Panel.

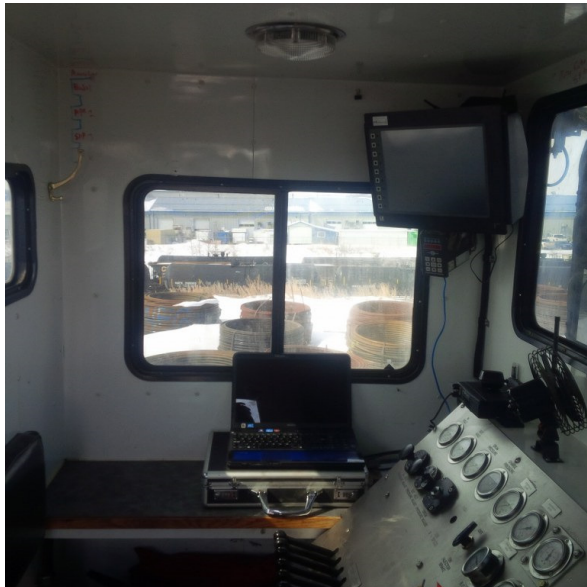


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