

TerraTRAC OH

Openhole completion wireline tractor



H₂S-rated conveyance tractor with next-generation production logging tools and real-time surface readout

Applications

- Production logging
- Openhole logging
- Analysis behind casing
- Cement and corrosion evaluation

How it improves performance

- Improves speed and accuracy of flow measurements by logging on down pass
- Reduces stuck toolstrings through look-ahead capability
- Conveys tools more cost efficiently than CT
- Works in a wide range of borehole sizes and conditions
- Cooldown stops not required

Features

- NACE-MR0175 compliant
- Only conveyance for H₂S operations in barefoot completion wells
- Inchworm traction with continuous motion
- Ideal for low unconfined compressive strength (UCS) formations
- Real-time surface readout while tracting

How it works

TerraTRAC OH* openhole completion wireline tractor is an H₂S-rated conveyance that delivers greater reliability in sour environments than conventional systems. Although specifically engineered for openhole operations, this product performs equally well in both open- and cased hole environments, making it ideal for conveying most wireline services, especially in extended-reach wells.

A unique ability to log on the down pass improves logging speed and accuracy while providing a look-ahead capability that helps to identify and avoid downhole issues—greatly reducing the risk of a stuck toolstring in horizontal wells.



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How it improves monitoring and control

Integration with the latest generation of SLB logging tools enables real-time surface readout while tracting to further improve monitoring and control. Internal diagnostics and surface control capabilities permit evaluation of such complex completions as Y-tools, gravel packs, screens, perforated liners, and slotted liners. In addition to motor current, motor torque, and computed speed for each tractor section, the TerraTRAC OH tractor records cable head tension, casing collar location, deviation, and relative bearing.

How it handles diameter changes and washouts

The TerraTRAC OH tractor can be used in hole sizes ranging from 2¼ to 10½ in and can tractor through restrictions as small as 2¼ in. Its slim cross-sectional profile also reduces risk associated with lifting forces during production logging. The system's modular design enables operators to space multiple drive sections to straddle diameter changes and washouts. Up to three tractor sections can be run at any time, driven by any two that have good borehole contact.

How it optimizes power and reach

Hydraulic tractors operate at high power levels that can cause auxiliary systems such as heads, collectors, rope sockets, and cables to fail. TerraTRAC OH tractors, however, optimize power from the surface, delivering more than 40% efficiency when compared with conventional tractor systems that offer only 10% to 20% efficiency.

TerraTRAC OH tractor can be run on all readily available cable types to depths greater than 30,000 ft—limited only by cable strength. Because it is not limited by helical lockup, the tractor's reach can often extend beyond the maximum depth achievable with coiled tubing.

The TerraTRAC OH tractor also reduces health, safety, and environmental issues by using proven wireline pressure control equipment. This simplifies pressure testing procedures, eliminates handling of heavy equipment, requires fewer operators, and reduces the time needed to rig up, operate, and rig down.

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TerraTRAC OH Openhole Completion Wireline Tractor Specifications

Output	Production logging while tractoring
	Casing collar locator (CCL) and optional gamma ray
	Wellbore pressure and temperature
	Openhole logging
	Head tension
Drive section operation	Automatically adjusts to borehole diameters (2¼ in to 10½ in)
Max. speed	2,400 ft/h [732 m/h]
Max. tractoring force, two grip sections	600 lbf [2,669 N]
Outside diameter†	2⅞ in [54 mm]
Max. hole size	10½ in [267 mm]
Mud type and weight	All
Pressure rating	13,000 psi [89.6 MPa]
Temperature rating	302 degF [150 degC]
Length†	46.8 ft [14.2 m]
Weight†	400 lbm [182 kg]
Tension	13,000 lbf [111,200 N]
Compression	13,000 lbf [111,200 N]
Special applications	All cased hole and openhole completions
	NACE MR0175 compliant for H ₂ S and CO ₂ resistance

All specifications are subject to change without notice.

† Values depend on configuration, pipe size, and weight to be cut. Applications outside the defined operating envelope should be shared with your SLB representative for risk assessment.

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