

All-Hydraulic Intervention Tractor (IT)[™] Now Available!

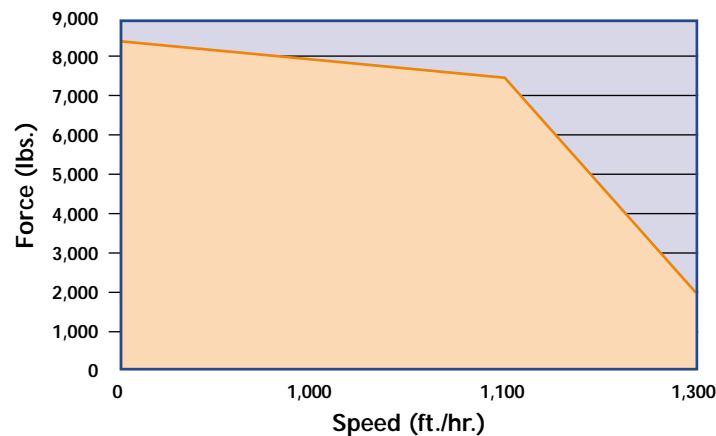


For coiled tubing operations *without* the complication of e-line, there is now a powerful, easy-to-use, fast and economical solution for conveying and deploying perforating, logging and fishing equipment – the All-Hydraulic Intervention Tractor (IT)[™] from Western Well Tool, Inc. (WWT).

Extensively tested, our high-capacity, multipurpose, fluid-powered and -controlled Intervention Tractor will enable you run further and faster with more load, more cost-effectively.

Superior Transporting Strength

With 8,500-plus pounds of transporting power, Western Well Tool's 29-foot IT is *two and a half times stronger than any wheeled tractor on the market*. Featuring a unique, patented positive-grab gripper design, this state-of-the-



art, uni-directional tool can *traverse virtually any cased or open-hole environment*.

Superior Horizontal Reach

WWT's Intervention Tractor doesn't just offer you higher load capacity – it takes you farther. The IT transports coiled tubing loads to a new horizontal reach – *2,000 to 5,000 feet further than comparable products*.

Unique Positive Gripping Design

Western Well Tool's patented grippers positively grab the hole wall to provide consistent, continuous traction



without damaging casing or formations. WWT grippers adjust to the hole size while providing just the right amount of grip to prevent slip for its load. Our unique design enables the IT to overcome many of the problems encountered by other tractors on the market when confronting debris and irregular surfaces within the well bore.

Extremely strong and reliable, our grippers are designed for long, problem-free service – operating the equivalent of 175,000 feet without problems in test conditions. A simple reduction in pressure closes the gripping mechanism.

Uncomplicated, Operator-Friendly Control

Operation of the Western Well Tool Intervention Tractor is simple and utilizes controls that are familiar operational procedures. Increasing flow until the pressure at the tractor exceeds a set point, starts the IT. The IT will then pull down the hole at the maximum possible force and speed for the available pressure. The rate of advance down the hole is controlled by the coiled tubing injector speed. Slowing the pumps disengages the IT, and increasing the pressure again beyond the set point, re-engages the tractor. Simply reducing the pressure and retracting the coil onto the reel, retrieves the tractor.

Complimentary Need Assessment

To determine if a tractor is necessary to accomplish your job, WWT provides a comprehensive analysis of your well – at no cost to you. Whether you need to convey a large

perforation gun string into a deep ERD well, move sliding sleeves or convey a BHA with coiled tubing through a well with high tortuosity, WWT's Engineering team will give you straight answers on how to achieve your objectives.

Dependable Service and Support

Our customers' satisfaction is our number one priority. We are available to serve you through our many offices and representatives worldwide.

The Right Choice

Western Well Tool's Intervention Tractor runs further, faster and more economically than other commercially available intervention tractors, and it's easier to operate, too. You'll find it's the right choice for your coiled tubing operations without e-line.

Please inquire regarding your specific needs. Additional sizes will soon be available. For more information, contact Clive Mitchell at 281-345-8019 (e-mail: cmitchell@wwtco.com) or Bruce Moore, Director of Engineering for Western Well Tool, at 714-632-0810 (e-mail at NBMoore@wwtco.com).

Western Well Tool IT Tractor Specifications

SPECIFICATION	4.5-Inch Gripper Design
Tractor OD	4.5 inches
Tractor ID	0.8 inches
Length of Tool	29 feet
Expansion Diameter	6.35 inches
Maximum Pull or Thrust	8,500 pounds at 1,600 psi
Speed Range	1,000+ ft./hr.
Maximum Dogleg	20 degrees per 100 feet
Operating Flow Rate Range	140 gpm
Maximum Hydrostatic Pressure	16,000 psi
Maximum Temperature	350°+ F
Materials	Stainless Steel/CuBe

To find out more about Western Well Tool hydraulic and electric intervention tractors, Nonrotating Drillpipe Casing Protectors or other products, visit our web site at: www.wwtco.com.

Western Well Tool

Innovative Products for Drilling Profitability

www.wwtco.com

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Western Well Tool's



All-Hydraulic

Intervention

TractorTM

A Powerful,
Economical
Workhorse for
Coiled Tubing
Intervention

