



An Enhanced SET[®] System

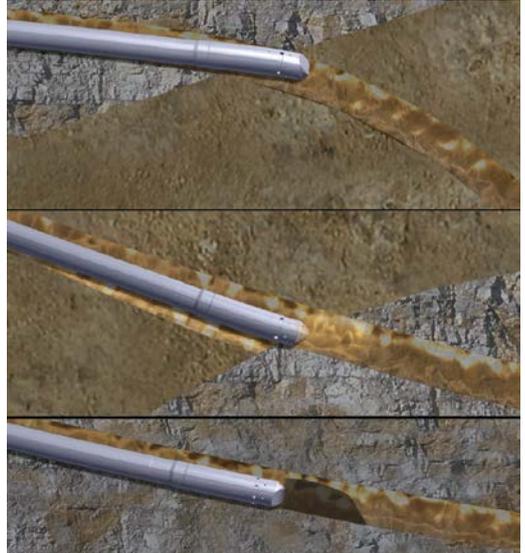
Increasing the operating envelope of Solid Expandable Tubulars

Ledging, highly deviated, long-reach, and equally challenging well geometries can stop conventional expandable liner runs short of the target setting depth.

Enventure, a leader in expandable technologies, developed the ESET[™] system, the industry's only solid expandable liner that can be rotated and reciprocated to help operators meet their objectives, reduce non-productive time (NPT) and elevate the value of high-cost assets.

The high-torque ESET rotational liner allows you to break friction to reduce NPT and efficiently work to the targeted setting depth in highly deviated and tortuous well paths. The ESET can also be rotated once at the setting depth to improve cementation of the expandable liner ensuring the best possible cement job and effective isolation of the openhole section.

Typically, the ESET system is tripped in the hole conventionally and only begins circulation and rotation to confront ledges, dips and other wellbore tortuosity issues. Unlike a standard non-rotational SET[®] solid expandable liner where the progress can be halted when encountering a ledge or increased friction in tortuous extended wellbores, the ESET simply rotates across the ledge or out of the well cavity and continues toward targeted depth. Wellbore clean-up will be improved with the ability to rotate to help deliver a clean wellbore for expansion. Once at bottom rotation will help promoting a turbulent cement flow to help enhance the integrity of the cementing job and the shoe test.



The ESET[™] Advantage

- ▶ Minimizes NPT risks, by allowing the liner to be rotated across ledges and through tortuous wellbores
- ▶ Increases probability of reaching setting depth
- ▶ Enhances quality of cement job, shoe test
- ▶ Reduces costs
- ▶ Optimizes asset value

Enventure Global Technology

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**Engineered for toughness, reliability**

The re-designed expansion assembly and high-torque connections combine to make ESET the most robust solid expandable liner on the market and the only one capable of being rotated and reciprocated.

- ▶ Enventure engineered high-torque expandable connections specifically to accommodate the different sizes and weights of the ESET expandable liner suite. In high-angle and long-reach wellbores, these connections enable rotation of the liner and minimize the risk of connection back-off or connection make-up down hole, either of which could lead to pressure losses while expanding the liner.
- ▶ We modified the launcher inner string to handle the increased torque, by removing the set screws, reducing the number of components and increasing the make-up torque of the internal connections. The launcher and inner-string components have been tested to 40,000ft/lb of torque.
- ▶ An eccentric guide nose on the ESET liner will help to guide the tool over ledges in the wellbore.

When your application calls for even more durability and flexibility, we offer optional components for ESET to address your specific objectives and issues, including:

- ▶ Proprietary and sacrificial tungsten carbide OD coating further protects the pipe and eliminates the risk of scoring.
- ▶ Solid blade centralisers can be used to decrease the liners contact with the wellbore to decrease the drag on the liner.

Let Enventure show you how the ESET Solid Expandable System can reduce the NPT risks and costs, while increasing the value of your most challenging and high-profile assets.

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