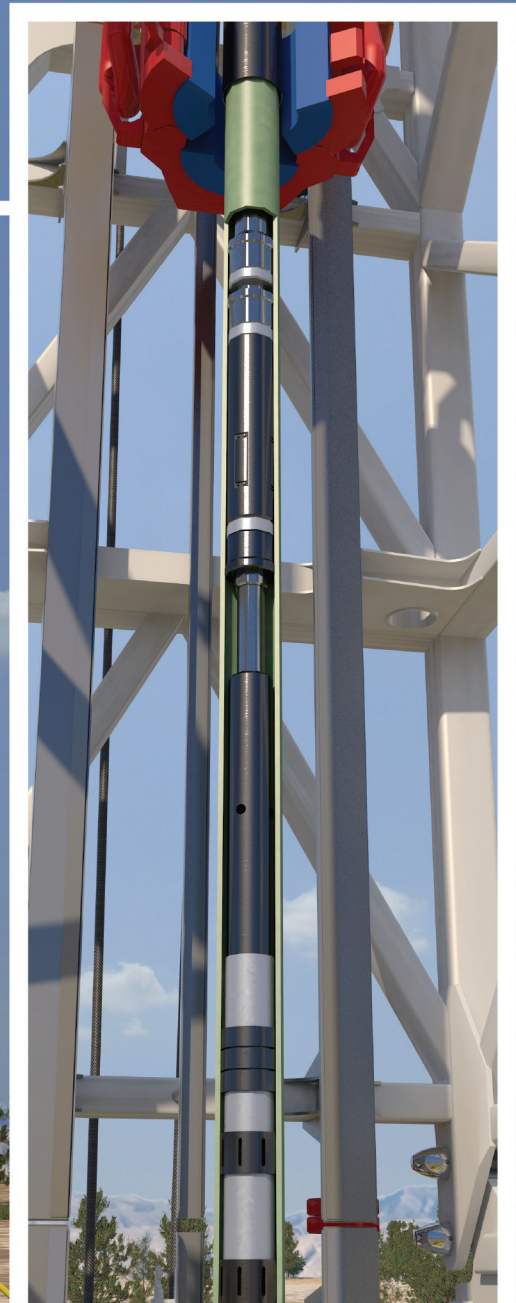




ENHANCED CASING INSTALLATION

HUISMAN WELL TECHNOLOGY PRODUCT SHEET



ENHANCED CASING INSTALLATION



GENERAL SPECIFICATIONS

ECI technology is an innovative retrievable casing installation tool that allows drilling and installing casing simultaneously. The Huisman approach results in several functional and operational advantages:

- ECI reduces effects of hole problems like stability, lost circulation, hole cleaning.
- ECI reduces rig time and increases personnel safety (no pipe tripping for BHA changes, casing or cementing).
- ECI is fully retrievable: BHA components can be retrieved through casing on cable or by reverse circulation.
- Composite casing shoe tracks allow logging through casing: M/LWD tools remain within casing and both rathole and bit/reamer stick out can be kept at minimum distance to improve stabilization and to optimize drilling performance.

SPECIAL FEATURES

- Lock Down Device to connect BHA to casing.
- ECI BHA is fully retrievable.
- Reamer for hole opening.
- Composite Casing shoetrack section allows logging.
- Flexible set up allows freedom of choice for third party BHA equipment (bits, mudmotors, logging tools).

APPLICATIONS

- ECI is available for 9 5/8" and 7" liners and casing.
- ECI simplifies the drilling process, reduces well costs, and improves operational safety.
- ECI can be used as a general mitigation to reduce NPT caused by drilling problems: open hole time is minimised while drilling through troublesome formations.
- Logging through casing.
- Performance drilling with casing.
- Directional drilling with casing.

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