ROTOSTEER™
DRILLING SYSTEM

ENERGY DRILLING TOOLS® INTERNATIONAL

The RotoSteer™ employs conventional drilling technology with the addition of a specialized drilling-based motor system as a method of drilling horizontal wells. The revolutionary alternative to rotary steerable allows the operator to utilize the benefits of a conventional BHA while at the same time, capitalizing on the advantages of continuous drill string rotation.

KEY BENEFITS

- Reduced cost to production in conventional drilling applications by improving ROP, reducing torque and drag and eliminating slides
- Further cost savings in the completion of the well with reduced doglegs, improved borehole quality
- Simple installation and operation. The RotoSteer™ is installed above the BHA with no additional setup required
- No additional electronics – compatible with existing MWD technologies
- Easily adjustable for a variety of mud motors and drilling conditions
- Limits torque output preventing the damaging effects of “stalling” the PDM
- Uses familiar conventional drilling methods. Controlled by balancing rpm and WOB

HOW IT WORKS

Generating torque from drill string rotation, the RotoSteer™ holds against the reactive torque of the drilling motor. During drilling ahead operations (higher string RPM) the RotoSteer™ drives BHA rotation based on motor reactive torque. During BHA sliding operations (lower drill string RPM) the RotorSteer™ is balanced against the drilling motor reactive torque holding the BHA stationary with small changes in RPM.

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