



CUSTOMERS

Companies that are currently providing services on horizontal wells will use Teledrill's technology to improve their performance for the operating company, thus differentiating themselves from their competition. Example companies are directional drilling companies, measurement while drilling companies, coil tubing providers and turnkey drilling contractors.

MANAGEMENT

Chief Executive Officer Bob Macdonald has widespread industry experience in the development and commercialization of downhole drilling tools. He enjoyed a 24 year career at Baker Hughes, holding executive



positions in Marketing, Technology and Operations. He has held international assignments and traveled the world extensively. Mr. Macdonald is the holder of two U.S. patents. He began his career with Schlumberger Offshore Services.

MARKET STRATEGY

Teledrill is targeting the drilling, completion and intervention market segments for horizontal well services in the U.S. land market.



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downhole technology

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TELEDRILL PULSER TECHNOLOGY.

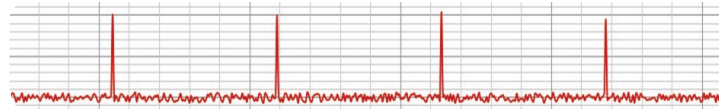
Designed for rugged, low-maintenance operation, the TeleDrill Pulser induces a strong axial force. Improving weight transfer to the BHA.

There is a need in the marketplace for new technology that aids in extending lateral reach while improving drilling efficiency, resulting in lower well costs.

In response to this need, Teledrill has developed a drilling tool that utilizes pulse technology to improve drilling efficiency in horizontal wells by modulating pressure, flow and weight at the bit.

DOWNHOLE SOLUTIONS

- IMPROVED DRILLING EFFICIENCY
- EXTENDED LATERAL REACH
- REDUCED COSTS



PULSE TECHNOLOGY WAVEFORM

CUSTOMER PROBLEM

Horizontal wellbores typically encounter drilling inefficiencies due to friction. In severe cases, further advancement of the bit or downhole tools will cease due to the inability of existing technology and methods to overcome the friction forces retarding forward motion. This problem is seen in drilling, completion and intervention activities and is particularly acute in coil tubing deployed bottom hole assemblies used for milling plugs.

PRODUCTS/SERVICES

Teledrill's pulsing technology is delivered in multiple sizes to fit customer requirements and field applications. Existing sizes are 4 $\frac{1}{4}$ " and 6 $\frac{1}{2}$ " outside diameters for measurement while drilling applications in horizontal wells. A 2 $\frac{3}{4}$ " conceptual design exists for milling frac plugs in coil tubing applications.

COILED TUBING COMPLETIONS

Scalable to any size, the TeleDrill Pulser can be utilized in all small diameter applications. In coiled tubing completion applications the pulsing motion eliminates coil lock-up, resulting in improved weight transfer for faster milling and allows reach to the toe of the well, ensuring all plugs are milled.

HORIZONTAL WELLS

In horizontal well applications the TeleDrill Pulser over comes drilling inefficiencies such as stick slip, friction, and ledges through its patented axial thrusting motion. Full weight transfer to the bit provides for consistent downhole motor torque and tool face orientation, allowing the directional driller better control of the bottom hole assembly, resulting in less cost per foot drilled.



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