



**Toro
Downhole
Tools**

Highlights

**Record Run
Ellis County, TX**

One Motor — One Bit

236.40 ROP

**TD Section in 6.63
hours**

Toro Drills 1,500' in 6.63 hours in Ellis County, TX

CHALLENGE:

Provide a Motor that would reliably drill the surface section downhole drilling life and maximize ROP.

SOLUTION:

A Toro 800-9:10-4.0 Slow Speed Motor with a 1.76° Bend Housing utilized with a Baker 12-1/4" PDC drill bit. This Motor operates at a 0.20 RPG, producing 14,800 ft. lbs. peak torque.

RESULTS:

The section was drilled in 6.63 hours, drilling a total depth of 1,509' with a single Motor and drill bit. The Motor was operated at a flow rate of 835 GPM with 10,000 WOB and rotated @100 RPM. The ROP was 236.40' per hour. Drilling this section, the Motor outperformed all expectations and outperformed all other previous Motors.

OPERATOR VALUE:

The customers operating costs were significantly lower than expected, thus increasing his profits accordingly. Drilling the hole with "one trip" eliminated the need to change the BHA.

As a result, the customer expectations were exceeded and they continue to utilize the Toro 800-9:10-4.0 Slow Speed Motor with comparable results.



Reliable Tools | Proven Performance

