



## Overview

**Location:** Wolf Bay Field, North Dakota

**Well/Run Type:** Vertical

**Total Depth Drilled:** 11,963 ft (3,646m) / 8.75" hole

**Products / Services:** InFocus 7.00-in RE|FLEX Premium Drilling Motor  
w/7:8 Lobe 5.7 Stage elastomer power section.  
Operator was NEWSCO



**Date:** March - April, 2019

## Objectives

Successful field trial of the 7-in RE|FLEX motor, using a 7:8 Lobe 5.7 Stage elastomer-based power section.

## Tool Deployment

RE|FLEX Premium Drilling Motors contain double-shouldered connections to handle the torque requirements of tomorrow's power sections. Recently, an InFocus 7.00-in RE|FLEX Premium Drilling Motor was sent to drill a vertical well in North Dakota. This provided a great testing ground for InFocus' beefed up 7.00-in bearing section paired with a 7:8 Lobe 5.7 Stage elastomer-based power section.

**Run 1 of 3:** The tool was in the hole for almost 52 hours and drilled 6,072 feet (1,851 m). While drilling, the motor easily handled torque ranges of 4,000 - 12,975 ft-lbs (5,420 - 17,590 N-m). It was pulled to replace the bit.

Upon return to the InFocus facility, the 7.00-in RE|FLEX was inspected, with special attention paid to our new patent-pending driveshaft design. As expected, the drive assembly (as well as the rest of the tool) was unphased by this drilling environment. The tool was re-assembled and returned to the customer in the same field three days later.

**Run 2 of 3:** Tool was downhole for 19 hours and drilled 1,676 feet (510m).

**Run 3 of 3:** The 7.00-in RE|FLEX reached planned total vertical depth after being downhole for an additional 39.75 hours, drilling 4,215 feet (1,285m).

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**CASE STUDY: 7.00-in. RE|FLEX Motor Gets It Done in North Dakota, USA** | case study no. 0025

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The average ROP was 111.4 feet/hour (34 meters/hour).

**BHA**

- HWDP
- Hydro Mechanical Drilling Jar
- HWDP
- Crossover
- Drill Collar
- Non Mag Flex Monel Drill Collar
- Non Mag Flex Monel Tool Carrier
- UBHO Sub
- 7.00-in InFocus RE|FLEX Premium Drilling Motor w/7:8 Lobe 5.7 Stage elastomer power section
- 8 3/4-in. PDC Bit

*InFocus would like to thank NEWSCO. [www.newsco-drilling.com](http://www.newsco-drilling.com)*

