FloDrift Real-Time Drift Tool

The FloDrift™ real-time drift tool equips customers with an easy and cost-effective means of providing real-time well inclination measurements. The FloDrift tool conducts surveys during the normal operation of making a connection, minimizing nonproductive time (NPT).

Features

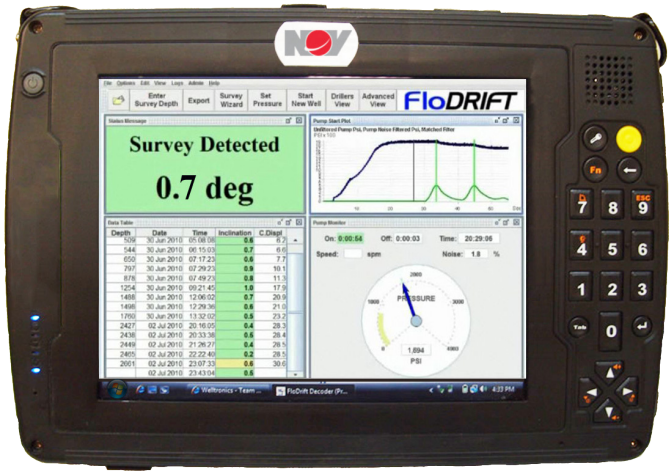
- Modified float valve as telemetry means
- Accurate decoding
- Accurate inclinations with resolution of 0.1° and a range of up to 20°
- Patented Pressure Release Encoding System (PRES) telemetry
- Runs in float sub with ODs ranging from 4.75 to 9.5 in. (12 to 24 cm)

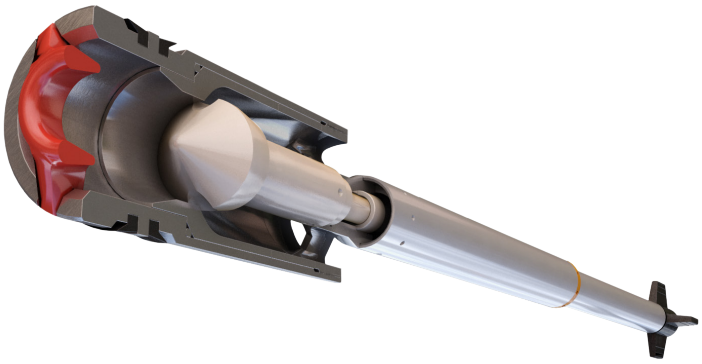
Benefits

- Survey taken during connection, minimizing NPT
- No counting pulses to approximate inclination means the tool can easily be run by the driller
- Fastest decoding in the industry, with inclination displayed in only 45 seconds from pumps on
- Tool automatically compensates for most flow rate changes and works in noisy surface hole sections
- The tool runs in float subs with standard float valve bore backs and API bottomhole assembly connections

General Specifications

Inclination range.....0 to 20°
Inclination resolution.....0.1°
Surface readout inclination.....±0.1°
Operation pressure range.....250 to 15,000 psi
Power source.....Lithium battery
Battery life.....3 months (average)
Operation voltage.....7.8 volts (2x C Cells)
Rechargeable.....No
Signal height.....Approximately 100 psi
Maximum operating temperature.....329°F (165°C)
Minimum operating temperature.....-13°F (-25°C) (*battery)
Flow range.....200 to 1,200 GPM
Barrel pressure rating.....15,000 psi
Maximum tool length (made up).....65 in.
Full survey transmission time.....Under 1 minute
Pulse telemetry type.....Pressure drop/PRES
Sub sizes.....9.5- and 8-in. OD (6R FloValve)
.....6.5-in. OD (5R FloValve)
.....4.875-in. OD (4R FloValve)
The FloDrift tool runs in standard 5-ft float subs





The FloDrift FloValve is a ruggedized float valve that runs in a standard float sub with a standard float valve bore back. The FloDrift tool is the smallest survey tool in the industry, weighing only 30 lb (13.6 kg) and measuring only 65-in. (165-cm) long.

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