The Most Accurate Whipstock Orientation

- **Speed**: Speed – OmegaX collects data at 32-second sequences for reduced rig time and is four times faster than other gyro providers.
- **Precision**: Precision - OmegaX is the most precise gyro available with repeatable, highly accurate measurements from stable earth rate and gravity field, both constants and neither are affected by magnetic interference. Which delivers the most exact downhole survey available today.
- **Efficiency**: Efficiency – Survey sampling seamlessly occurs with rig operations requiring no additional rig time as the measurements are collected during pipe connections. OmegaX also serves as an independent survey for confirmation of borehole location, which eliminates the need for costly wireline services.
- **Accuracy**: Accuracy - The new solid state C.V.G. sensor developed by Gyrodata is highly accurate, does not require regular calibrations, eliminating mass imbalance error present in spinning mass mechanical gyros.
- **Reliability**: Reliability - Rugged solid-state sensors ensure reliability in high shock and vibration environments, jarring while pulling out of hole or back reaming. OmegaX results in a greatly reduced Ellipse of Uncertainty eliminating the need for the added complexity and cost of In-Field Referencing and Multi-Station Analysis corrections.
Tortuous areas can cause whipstock to not set properly. High tortuosity logs provide better management of torque, drag, and sticking of directional equipment and motors. Identifies tortuous areas that can affect proper weight transfer.

**MICROGUIDE PROVIDES HIGH-RESOLUTION TORTUOSITY LOGS**

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- High tortuosity logs provide better management of torque, drag, and sticking of directional equipment and motors.
- Identifies tortuous areas that can affect proper weight transfer

**WELL INTEGRITY LOG**

- Radial Cement Bond Log ensures the kick off is in an area that has high quality cement and formation adhesion
- Casing Collar Locator and Gamma Ray provide proper depth correlation and identifies the location of the collar joint which is difficult to mill through and to ensure whipstock is not set in a collar

**PLUG SETTING SERVICES**

- Set appropriate bridge plug necessary for mechanical whipstock operations

**GYRO ORIENTATION AND STEERING SERVICES**

- Highly accurate toolface orientation services to orient whipstock
- Real-time reactive toolface monitoring for steer/drill out operations

**ADDITIONAL SIDETRACK SERVICES**

- Provide full service Directional Drilling
- Partner with whipstock and/or bridge plug provider for turn key services

**WHIPSTOCK PLACEMENT SERVICES**

Gyrodata provides an unparalleled combination of services to ensure your whipstock is placed and oriented in the best possible section of the wellbore. Gyrodata can partner with any whipstock provider chosen even acting as the agent for turnkey operations. Gyrodata can provide a combination MicroGuide and Radial Cement Bond Log to ensure the whipstock is not located in a tortuous area and that the cement quality behind the casing is adequate to support the casing exit. We have the ability to set the appropriate bridge plug necessary to place the whipstock where you choose. Add all of this to the industry leading orientation services traditionally associated with the Gyrodata name and you have an unbeatable package. Gyrodata offers additional services including gyro while drilling (GWD), measurement while drilling (MWD), rotary steerable systems and real-time reactive toolface monitored gyro steering.