

TeleFusion

Latest generation Mud Pulse MWD

Features

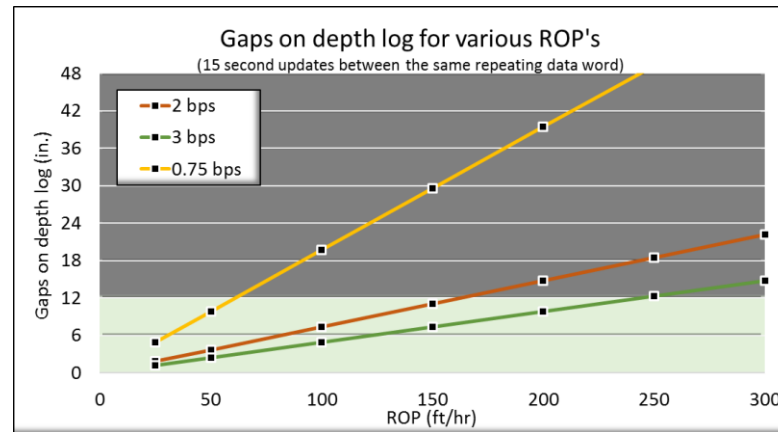
- High speed mud pulse telemetry.
- Multiple, industry-proven pulsers have been integrated providing customer flexibility.
- Oliden complete platform with latest surface system capable of advanced signal detection and processing.
- Comprehensive drilling dynamics.
- Robust Gamma Ray sensor.
- Sensor offset to bit minimized.

ToolName	ItemName	Bits
SLIDE_FRAME		
HThP MWD IOM	GTF_IOM	8
DART675	PSR202_RT	8
DART675	PSR362_RT	8
DART675	GU_RT	8
DART675	GD_RT	8
HThP MWD IOM	GTF_IOM	8
DART675	GU_RT	8
DART675	GD_RT	8
DART675	PSR202_RT	8
DART675	PSR362_RT	8
HThP MWD IOM	GTF_IOM	8
DART675	GU_RT	8
DART675	GD_RT	8
DART675	PSR202_RT	8
DART675	PSR362_RT	8
HThP MWD IOM	GTF_IOM	8
DART675	Shk_DART	2

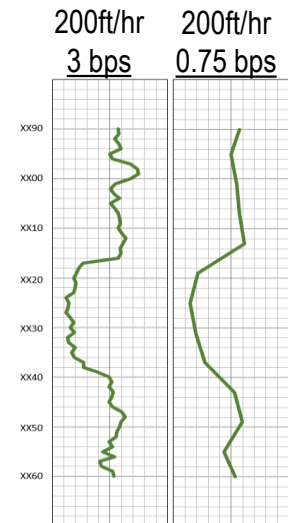
PSR202_RT updates on average every 44 bits, or 15 seconds for 3 bps

Applications

- **LWD drilling at high ROP's**
 - 3 bps telemetry provides high resolution logs at high ROP.
 - Higher bandwidth means more curves can be sent.
 - Top mounted pulser enables LWD expansion with very short data link connection system.
- **Aggressive drilling conditions**
 - Reliable design, has even operated in air drilling.
 - Stick Slip, Axial and Transverse shock measurements.
 - 25 kpsi and 175C operational capability.



The Industry expects RT data to be plotted closer than 12" on logs.
As ROP increases, slow telemetry rates degrade log quality.



Log quality at various telemetry rates