



## **EMTEL MWD**

### **Electro-Magnetic MWD Service**

#### **Service Benefits**

Provides reliable MWD / LWD measurements in hole sizes down to 5-7/8" diameter. (9-1/2" - 4-3/4" Collar Sizes).

Data Transmission Independent of Rig Hydraulic System

System Operates in Underbalance, Air / Multi-phase Fluid systems.

Compatible with All Target Well Control existing MWD and LWD Sensors:  
Directional, Vibration, Gamma, Resistivity and Pressure

#### **Operating Parameters**

Operating Frequency: 5Hz

Maximum Flow rates by Collar Size:

9-1/2" OD: 1200 GPM

8" OD: 900 GPM

6-3/4" OD: 700 GPM

4-3/4" OD: 480 GPM

No lower flow limit

Power Source: High temperature lithium battery (200 Hours)

Maximum sand content: 0.5% by volume

Maximum operating temperature: 302°F

Maximum operating pressure: 15,000psi  
(20,000psi available)

Maximum drill String RPM: No limit

LCM circulation limits: No limit