

SYSTEM AND METHOD FOR MONITORING TOOL ORIENTATION IN A WELL

ABSTRACT

A system for monitoring the orientation and position of components in an oil well. The system includes a first well component, a second well component, and a transducer attached to the first well component, for generating a pulse. The system also includes a transceiver attached to the second well component for measuring the parameters of the pulse generated by the transducer, and a processor in communication with the transceiver that receives information about the parameters of the pulse as measured by the transceiver, and that calculates the position of the transceiver relative to the transducer.

Figure 1