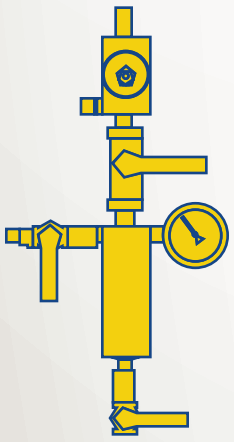
RESERVOIR DATA SYSTEMS

RDS is an oilfield technology company focused on the development and implementation of innovative tools that allow the user to save money on their projects by making better, smarter, and faster decisions.

ABOT acoustic well sounder

The use of Acoustic Well Sounders has been a common practice in our industry for years. From the days of a field hand sitting on a bucket listening for the echo of a shotgun blast to the newest fully-automated sounders, development of this fundamentally straightforward operation has continued to advance. AWS systems serve a multitude of purposes and, when in the right hands, can yield truly invaluable information. Our version, the ABOT system, sits at the top of the AWS hierarchy.



- Wide range of applications
- All tests performed by highly skilled technicians, ensuring best possible data
- Can be operated manually by technicians for short term testing, or automatically for continuous testing over a longer duration.
- Minimal size, sturdy housing is explosion/blast, water, and chemical proof.
- Internal components and fittings are suitable for installations to 15k psi.
- Nonintrusive capture of data reduces cost.

Applications

Fluid Level Determination
On occasion, our customers will come across a well that is underperforming due to the loading of a liquid column. In gas wells, the ABOT system is used by our skilled technicians to first identify the severity of liquid loading, allowing customers to quickly plan a course of remediation, and then to monitor the progress of the recourse. In oil wells, found liquid levels can help customers determine a well's producing rate efficiency and maximum production potential.

Bottom-hole Pressure Determination
Oftentimes customers are uncertain of the presence of a liquid level in a well, which can lead to the miscalculation of bottom-hole pressure. Combining our EBOT and ABOT systems, we verify the presence of a potential fluid level and incorporate it into bottom-hole pressure calculations. This increases the accuracy of the calculated bottom-hole pressure and the applicability of the surface pressure testing.

Obstruction Location
Another cause of decline in production can be a blockage somewhere downhole constricting or, in extreme cases, totally ceasing flow. Scale, paraffin, and other natural deposits are common blockages that can be successfully remedied using common practices once located using our ABOT system. Other debris, such as lost fishing tools, stray pipe, or broken wireline, are also easily located using our system.

Other Short-term Surface Pressure Testing and Monitoring
Determine permeability, skin, and pressure using a multitude of test scenarios: flowing/buildup, multi-rate, injection/falloff, fracture/leak-off, perforation/inflow --- Pressure integrity testing of flow-lines, pipeline, packers, and vessels --- Monitor formation fracturing and flowback pressures