

ArtFusion

Latest generation LWD 2MHz Propagation Resistivity

Features

- 20 Borehole Compensated resistivity curves
- 5 Borehole Compensated Phase-Shift @ 2MHz curves
- Azimuthal Gamma Ray and 8 sector Gr images
- Downhole RPM, shock and vibration monitoring

Applications

• Basic Well Placement

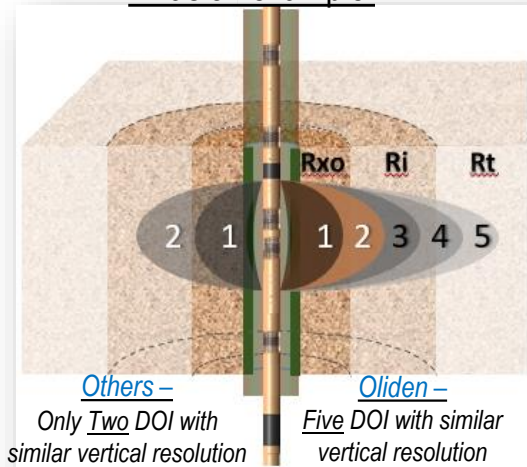
- Azimuthal Gamma Ray to help land your well on target.

• Accurate Formation Evaluation

- LWD replacement for wireline array resistivity tools.
- Uses an array of resistivity curves featuring similar vertical resolutions and varying depths of investigations.
- Apparent resistivity can be corrected for complex downhole environmental effects.
- Deepest reading propagation resistivity tool in the industry provides the most accurate Rt measurement.



Invasion example:



In order to correct apparent resistivity for environmental effects such as invasion, at least three borehole compensated measurements are required.

These measurements should have similar vertical resolutions but varying depths of investigations. Because of this reason, mixing of Attenuation with Phase-Shift curves and mixing Low with High Frequency won't provide the correct solutions when inverting to solve for invasion effects.

In an environment where 3 measurements are required, Oliden Technology provides 5 curves at 2MHz Phase-Shift with matching vertical resolutions and equally wider measurement range.