

*Maultzsch, S, Mancini, F. & Payne, S. 2006.*

Observations of time-lapse converted-wave anomalies on Valhall LoFS data.

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ABSTRACT

We analyse a subset of the converted-wave data from the Valhall LoFS surveys 1 and 3 in order to investigate whether any time-lapse signal can be seen on the converted waves. Measurements of shear-wave splitting indicate a change in the magnitude of azimuthal anisotropy in the overburden between the surveys. After PSTM we observe a significant time-lapse anomaly at the reservoir level at the location of a production well. The anomaly is only found for azimuth sectors around the average polarization direction of the slow shear wave in the reservoir interval.