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## Magnetic Anomaly Detection and Installation of Ground Movement Array

# REI | DRILLING

Boreholes were drilled above the tunnel crown along a tunnel alignment in a historical oil field. The boreholes were placed in compacted sands, silts, and clays and directionally steered using heavy muds with pressure balancing. The boreholes were lined with PVC casing before performing a gradiometer survey to detect abandoned oil wells and installation of ground movement sensing arrays.