

Deep Guide avoids costly sidetrack and successfully intersects 2 wells.

Date:	2024	Project Type:	Horizontal Intersect
Location:	Middle East	Length:	610m
Industry:	Mining	Depth:	293m

Description: Drilling contractor was hired to intersect completed vertical wells with third horizontal well but only had conventional MWD tools and no ranging capabilities. 6" vertical wells are cased and tied into existing infrastructure and need be connected by a single horizontal bore drilled from a separate location.

Solution: Hazen **Deep Guide** was deployed via wireline into the vertical wells and **MagSub** was installed behind the bit on the drilling BHA.

Result: Drilling the lateral was underway before ranging was deployed. Initial Deep Guide surveys contradicted the MWD showing the reported bore was 3m right of the planned path. The discrepancy between the MWD and ranging data identified a potential to miss the intersect target. Drilling was paused to allow for all stake holders to collaborate on a solution. Hazen suggested sliding 100% left which was ultimately adopted and **Hazen successfully guided the directional contractor to intersect both vertical wells without a sidetrack.**

