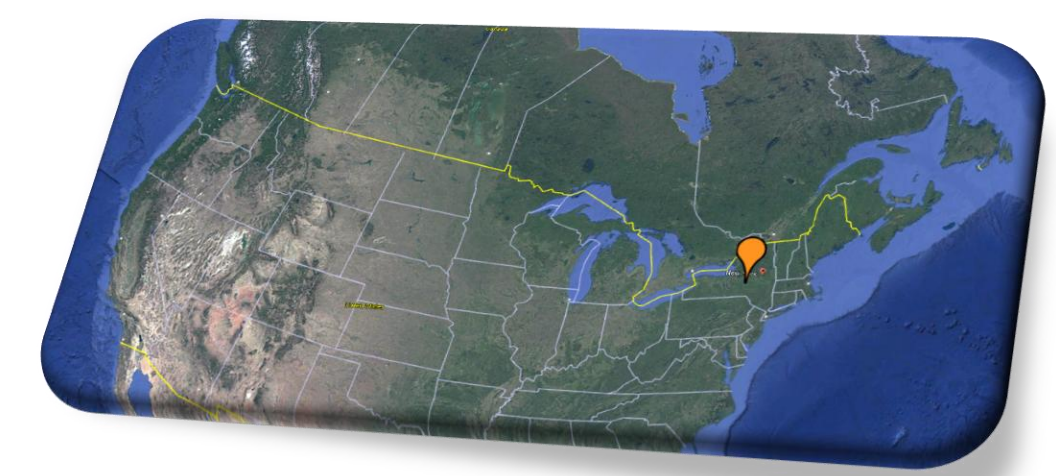


Successful intersects steered from across the continent using remote service.



USA, New York | True North | Solution Mine | Horizontal -Vertical well intersect | 2024

Using the Deep Guide ranging tools and remote steering services, Hazen supported a customer project on the opposite coast successfully intersecting both vertical wells while saving additional logistic and personnel costs.

Challenge:

Drilling contractor needed to intersect a 3.5" (8.9cm) vertical well target. Customer was familiar with the process of ranging but did not have all the required equipment. Timeline for deployment made on site support challenging.

Solution: - Deep Guide tools with remote intersect service

Hazen Deep Guide was deployed to site, and the drilling contractor installed it via wireline into the vertical wells. Customer installed their magnetic sub on the BHA behind the bit. The system was accessed remotely, and guidance support would be provided virtually via Hazen Remote Operations Center (ROC)

Result:

While drilling , the Deep Guide ranging data was relayed from site to the Hazen ROC where a ranging specialist provided real time data to the directional driller. From over 400m away Deep Guide data was used to guide the bore ultimately intersecting 3.5" target on the first attempt.

