CASE STUDY

MICROGUIDE HELPS CUSTOMER SUCCESSFULLY GET WATER PUMP TO CORRECT SET DEPTH AT LOCAL PLANT, AVOIDING EXCAVATION OF CASING SECTION

TECHNOLOGY

- MicroGuide™ wellbore tortuosity logs

APPLICATION

- Water pump station improvements

LOCATION

- Miami County, Kansas

INDUSTRY CHALLENGE + OBJECTIVE

An independent company working in integrated construction and design for civil engineering projects needed to update a submersible pump at a local plant. The maximum achievable depth with the new assembly was well short of the specific intake depth, which was no less than 10 ft minimum from the end of the casing for motor cooling. As the casing ID was 19¼ in. and the pump assembly was 17¼ in., the customer needed to better understand what was preventing the assembly from reaching the set depth successfully.

TECHNOLOGY + SERVICE SOLUTION

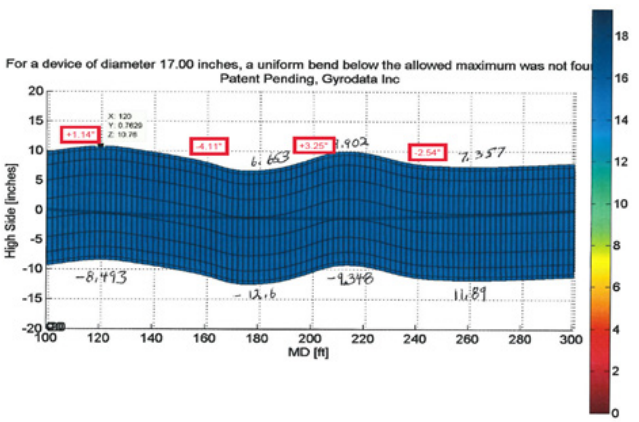
- MicroGuide was chosen due to its ability to provide highly detailed information on actual downhole conditions. The level of detail received from MicroGuide was not achievable with typical solutions in the space.

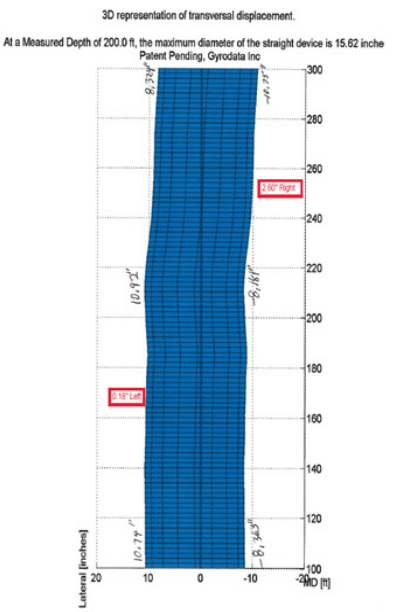
RESULTS + VALUE DELIVERED

- After running an analysis of the MicroGuide data, we were able to show the deviation from the centerline of both the highside and lateral of the centerline of the casing.
- The customer had initially believed that the only solution to the problem was to excavate and remove a section of the casing, which they though was causing the problem. After MicroGuide revealed the deviations, they decided to modify the pump carrier assembly itself to enable it to reach the set depth. This saved a substantial amount of time and cost versus the other solution.

CUSTOMER TESTIMONIAL

- "We made modifications to our assembly based on data from MicroGuide logs, allowing us to successfully get the pump to bottom. Thank you for the great job."





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