

Zerust® Tank Internal Flood Inhibitor Delivery System (IDS)



Zerust® OIL & GAS
WORLDWIDE CORROSION SOLUTIONS

Conclusions/Recommendations Cont.:

- Corrosion monitoring technologies were not implemented for this tank but consideration for the installed of “Electrical resistance” (ER) probes may be possible through the four (4) ports found in the dead shell at a later date.



FIGURE 1: TANK



FIGURE 2: DEAD SHELL WITH LEAK PORT

CLIENT APPLICATION

Internal Flood IDS | July 2018

Project Summary:

- Zerust Oil & Gas was awarded a project encompassing the injection of a corrosion inhibiting solution through the floor plates of the requested tank for protection of the underside floor plates from soil-side corrosion.
- The tank had a double bottom with a sand fill between the floors.

Goals and Objectives:

- Preparation of tank ports for corrosion inhibitor slurry injection through the floor plates.
- Injection of corrosion inhibitor slurry.

Conclusions/Recommendations:

- The project was completed successfully and ahead of the planned schedule with all thirteen (13) pails of corrosion inhibitor injected through the floor in four (4) batches for a total of 800-gallons of corrosion inhibitor slurry applied.
- Approximately 55-gallons of corrosion inhibitor slurry was injected in the twelve (12) ports located approx. 20 ft from the tank wall and approximately 140 gallons injected into the center port as it was far from the other ports.



FIGURE 3: INJECTION PORT



FIGURE 4: MIXING SITE AND DOORWAY



FIGURE 5: GARDEN HOSE MANIFOLD

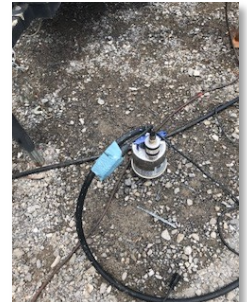


FIGURE 6: SUBMERSIBLE PUMP FOR INJECTION