

## Sample report overview and rundown.

### Section 1.0 Executive Summary

- Outlines the whole inspection at a quick glance:
  - Inspection Intervals (In-service, Out-of-Service and UT Thickness)
  - Inspection findings that do not meet API 653 in punch list format.
  - Foundation Settlement Evaluations.
  - MFL recording threshold and significant findings.
  - Safe Fill Evaluations
  - Any other significant findings that would need to be addressed.



SAMPLE TANK REPORT (CLIENT NAME)  
OUT-OF-SERVICE API 653 & NDE INSPECTION REPORT  
TANK ###



### Section 1.1 Description

- Basic outline of tank data and operations.

Location  
Date  
JOB ###

### Section 2.0 Inspection Results and Evaluations

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10827 E. Marshall Street, Suite 105  
Tulsa, OK 74116  
Ph: 918-271-8968



### Section 2.1 Foundation

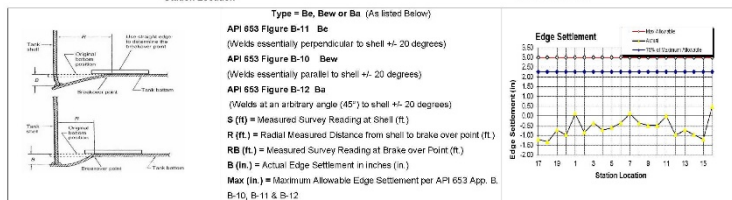
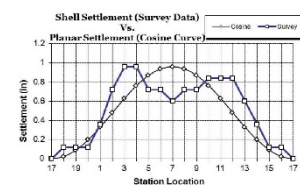
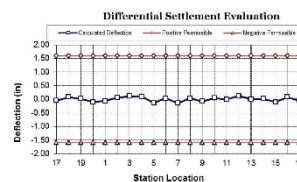
- Results of survey settlement evaluation with respective charts to aid in interpretation of data. Survey data is collected with calibrated (annually) laser level.

Out-of-Service API 653 &  
NDE Inspection Report



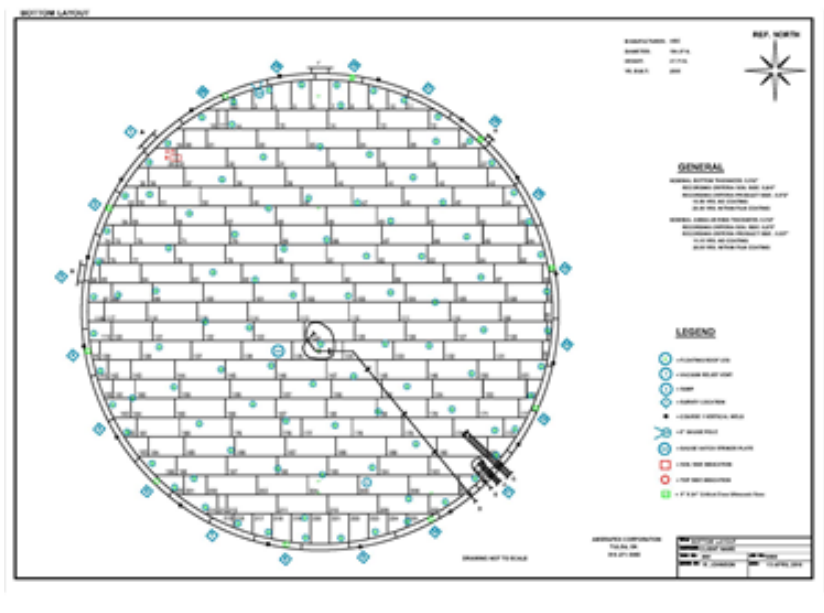
Client Name  
Location  
Tank ###  
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Settlement Data (Cont'd.)



## Section 2.2 Bottom

- Results of Bottom MFL scan with repair options based on desired intervals.
- NDE data and evaluation of results for data collected.
- Bottom Edge Projection Ultrasonic Thickness (UTT) Data. One (1) reading every 10 feet from the outside.
- Critical Zone Ultrasonic A-Scan (UTAS) Data; Typically, one (1) every other Survey Station (6 inches X 24 inches). Based on results the scope of work can be modified to include more coverage or the addition of other NDE methods.



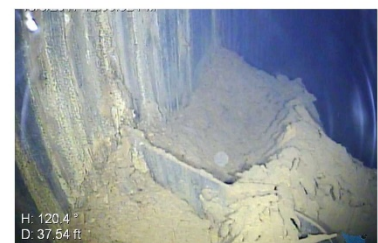
- Bottom Layout, Auto-Cad Inspection drawing of the bottom with recordable MFL findings and Visual inspection findings.

- Bottom Sump(s) Ultrasonic Thickness (UTT) Data and dimensional data.

- Significant Bottom Findings: Documented recordable soil side and or product side indications formatted to aid in repair plan and tracking.



013 Feed & Suction Nozzles



014 Suction Nozzle



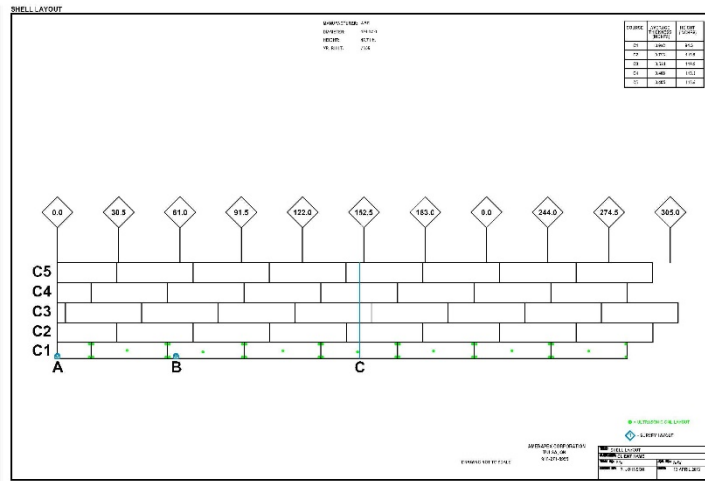
015 Manway



016 Shell

## Section 2.3 Shell

- Results of the Shell evaluation with repair options based on desired intervals.  
NDE data and evaluation of results for data collected with respective charts to aid in interpretation of data.
- Shell Ultrasonic Thickness (UTT) collected at the spiral stairway with ten (10) readings per shell course as well as five (5) readings per course one shell plate. Additional data such as crawlers can be utilized.
- Shell Layout for quick reference of shell data and associated attachments.



## Section 2.4 Attachments & Appurtenances



- Outlines the findings of the attachments and appurtenances associated with the shell. These evaluations include documentation of existing details to include dimensional, thickness and comparison to API 650 / 653 requirements.
- Ultrasonic Thickness (UTT) collected at the respective details include. Neck projection(s), four (4) around, 0°, 90°, 180° and 270° and single readings at the flange, cover plates and reinforcement plates as applicable.
- Additional NDE applications can be supported as needed.

## Out-of-Service API 653 & NDE Inspection Report



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Location  
Tank ###  
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#### 2.4.1 Shell Attachments & Appurtenance Table

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### Section 2.5a Floating Roofs (Internal or External)

- Outlines the findings of the floating roof as well as attachments and appurtenances associated with the roof. These evaluations include documentation of existing details to include, thickness and comparison to API 650 / 653 requirements.
- Roof Ultrasonic Thickness (UTT) readings collected at three (3) per plate. Adjustments for more or fewer can be performed.
- Ultrasonic Thickness (UTT)

6.0 Photographs



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025 Gauge Platform



028 Floating Roof

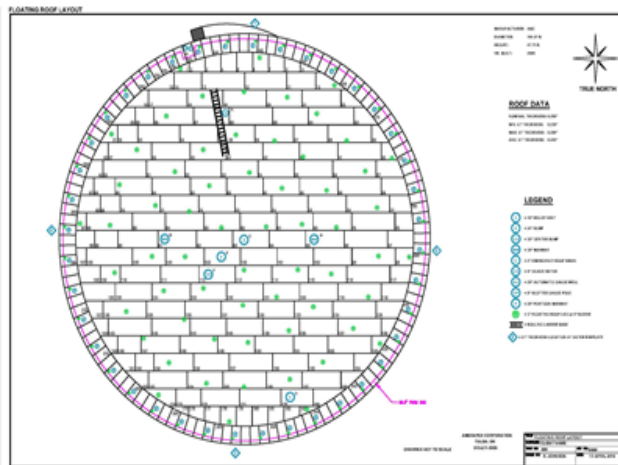


027 Floating Roof



028 Gauge Pole 1

at: Number: 4000



collected at the respective neck details include. One (1) readings at the neck.

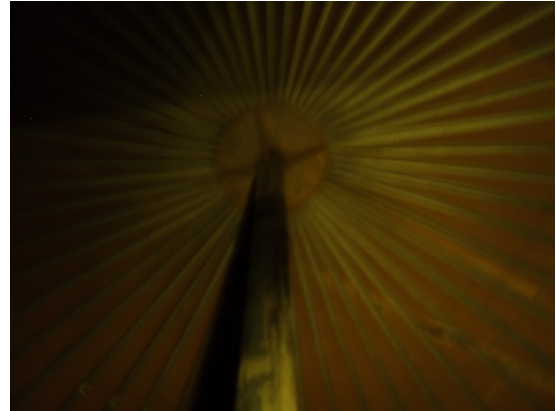
- Outer Rim plate Ultrasonic Thickness (UTT) collected in four (4) quadrants at the top, middle and bottom from inside pontoon compartment. Scope of work can be modified as needed.
- Additional NDE applications can be supported as needed.
- Seal gap data collected when appropriate and documented.
- Rim Space data collected when appropriate and documented.
- Venting capabilities documented.
- Sump(s) Ultrasonic Thickness (UTT) Data and dimensional data.
- Roof drain pipe Ultrasonic Thickness (UTT) data collected based on design.





### Section 2.5b Fixed Roofs

- Outlines the findings of the fixed roof as well as attachments and appurtenances associated with the roof. These evaluations include documentation of existing details to include, thickness and comparison to API 650 / 653 requirements.
- Roof Ultrasonic Thickness (UTT) readings collected at three (3) per plate. Adjustments for more or fewer can be performed.
- Ultrasonic Thickness (UTT) collected at the respective neck details include. One (1) readings at the neck.
- Additional NDE applications can be supported as needed.
- Venting capabilities documented.
- Rafter and column evaluations with aid of aerial platform.



### Section 2.6 Tank Data Sheets

- Condensed version of the NDE data from throughout the report.

### Section 3.0 Inspection Scope

- List items evaluated and NDE process utilized in the inspection.

### Section 4.0 Equipment & Procedures

- List equipment utilized in the inspection with calibration dates and NDE procedures utilized in the inspection.

### Section 5.0 Warranty

### Section 6.0 Photographs

- Digital documentation of the tanks condition for aid in planning repairs and tracking of condition of the tank.

