



Transmitter Verification Report

Submitted By



[Cayden Gray](#)

Started On February 1 2024, 2:23pm

Submitted On February 1 2024, 2:24pm (2 minutes)

Weather 72°, clear

Version V2 (latest)

Report No. 36229584

Location



Transmitter Verification Report

RATIONALE OF VERIFICATION

Gage Western verifies the proving trailer transmitters identified below have been verified with devices that have calibration standards traceable to the National Institute of Standards and Technology (NIST). At the time of verification, a visual inspection was performed. This instrument has been found to be in good working condition. Each month, every technician is given the responsibility to verify their assigned temperature and pressure transmitters. "The accuracy of all electronic liquid measurement (ELM) equipment should be verified quarterly (API MPMS 21.2 §11.3.2).

- The first step is a visual inspection to verify proper serial number labeling and a satisfactory working condition.

To verify temperature devices

- A temperature bath set at normal operating temperature is used to compare the temperature as indicated by the transmitter to a certified reference yellowback thermometer.
- The temperatures are recorded to at least the first decimal place, since the temperature reading from a temperature transmitter during a verification "should agree within 0.2°F (0.1°C) of the reference device (see MPMS Chapter 7.2, Table 2)" (API MPMS 21.2 §11.6.1.3)
- If the difference in temperature is beyond this tolerance, the report fails.

To verify the pressure transmitter on the prover

- The technician pressurizes the system to a typical normal operating pressure observed from the field, and uses a certified analog gauge to compare to the pressure indicated by the transmitter.
- The pressure readings must agree within 3 psig (API MPMS 21.2 §7.1.1, Figure 2).
- If the difference in pressure is beyond this tolerance, the report fails.

Prover No. [PROVER_4](#)

Reference Temperature Device [881693](#)

Reference Pressure Device [CD4-7813](#)

TRANSMITTER FOR TEMPERATURE OF THE PROVER

Tp Transmitter Serial Number [0016073](#)

Tp Temperature Reading 74.4

Reference Temperature 74.4

TRANSMITTER FOR AMBIENT TEMPERATURE

Td Transmitter Serial Number [0019539](#)

Td Temperature Reading 77.1

Reference Temperature 77.1

TRANSMITTER FOR PRESSURE OF THE PROVER

Pp Transmitter Serial Number [0023974](#)

Reading 55

Reference Reading 55

Signature



Supervisor Signature



Supervisor Name [Joshua Murray](#)

Reference Yellowback and Pressure Device Certificate

Please exit to the webpage linked in the proving report to see the reference devices' certifications, along with the rest of the proving equipment's verifications.

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