OpsAuditHub opsauditihub.com	DOC ID: **SAF-0284**	REVISION: **Rev 2.4 (2026)**
	STANDARD: **49 CFR 195 / ASME B31.4 / API 1110**	AUDIT FREQUENCY: **Per Test Event / Pre-Startup**

Pipeline Hydrostatic Pressure Test Log Inspection Checklist

Operational Scope: Ensures pipeline hydrostatic testing operations comply with federal pressure integrity standards and mitigate catastrophic rupture hazards. Mandates rigorous documentation of test logs, pressure stabilization periods, and calibrated equipment verification prior to dewatering.

MANDATORY PPE:	Hard Hat (ANSI Z89.1), Steel-Toe Boots (ASTM F2413), Flame-Resistant Clothing (NFPA 2112), Safety Glasses with Side Shields (ANSI Z87.1), Hearing Protection (NRR 25+), High-Visibility Vest (ANSI/ISEA 107 Class 2)
PREREQUISITES:	Test manifold, deadweight testers, and recording charts fully calibrated with current certification tags. | Exclusion zone established with warning signage and barricade tape maintained at a minimum of 50 ft from test head. | Emergency depressurization and blowdown procedures reviewed with all participating crew members.

PRE-TEST EQUIPMENT & DOCUMENTATION VERIFICATION

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
1	**Pressure Gauges and Deadweight Testers**	Dual calibrated pressure gauges installed; calibration certificates are valid and within the last 6 months.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A
2	**Pressure Recording Charts**	Continuous pressure-temperature recorder is functional, inked properly, and paper chart matches test design specifications.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A
3	**Test Manifold and Isolation Valves**	Manifold valves rated for 1.5x maximum anticipated test pressure; zero visible leaks or packing weeping.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A
4	**Relief Valves (PRVs)**	PRVs installed, set to correct overpressure protection limit, and tagged with inspection date.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A

HYDROSTATIC TEST EXECUTION & MONITORING LOG

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
5	**Fill and De-aeration Phase**	Pipeline completely filled with water, air pockets eliminated, and fill temperature logged against ambient conditions.	**Warning**	[ ] PASS [ ] FAIL [ ] N/A
6	**Initial Pressurization (25% Increments)**	Pressure raised in controlled 25% increments with hold periods to check for fittings integrity and structural settling.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A
7	**Minimum Test Pressure & Hold Period**	Target test pressure maintained continuously for the mandated regulatory hold period (e.g., 4 or 8 hours) without unexplainable pressure drop.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A
8	**Temperature and Pressure Stabilization**	Ambient air and pipe temperature fluctuations logged hourly to account for thermal expansion or contraction effects.	**Standard**	[ ] PASS [ ] FAIL [ ] N/A

POST-TEST INSPECTION & DOCUMENTATION SIGN-OFF

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
9	**Controlled Depressurization**	Depressurization executed safely through approved containment/drainage paths at a rate not exceeding engineering limits.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A
10	**Test Log & Chart Completion**	Pressure log, deadweight readings, and continuous recorder charts signed off by authorized operators and client reps.	**Warning**	[ ] PASS [ ] FAIL [ ] N/A

Certified Inspector / Lead Operator Signature: _____	**Date / Time:** _____	**Badge / Cert #:** _____
Site Safety Supervisor / Operations Manager Sign-off: _____	**Review Date:** _____	**Audit Status:** [ ] Approved [ ] Rectify

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