OpsAuditHub opsauditihub.com	DOC ID: **SAF-0287**	REVISION: **Rev 2.4 (2026)**
	STANDARD: **ASME B31.3 & 49 CFR Part 192**	AUDIT FREQUENCY: **Daily Pre-Test & Continuous Monitoring**

Pipeline Hydrostatic Pressure Test Log Daily Log Sheet

Operational Scope: This daily log sheet governs active pipeline hydrostatic pressure testing operations to verify structural integrity and prevent catastrophic containment failures. Compliance with this protocol ensures strict adherence to federal pipeline safety regulations and mitigates high-pressure fluid release hazards.

MANDATORY PPE:	Hard Hat (ANSI Z89.1), Steel-Toe Rubber Boots (ASTM F2413), Flame-Resistant Clothing (NFPA 2113), Safety Glasses with Side Shields (ANSI Z87.1), Impact-Resistant Heavy-Duty Gloves, Hearing Protection (NRR 25+)
PREREQUISITES:	Verify test manifold isolation and 200% pressure-rated relief valves are calibrated and installed. | Establish exclusion zone perimeter with warning signage and continuous radio communication. | Confirm completion of pre-test tool box safety meeting and review of emergency blowdown procedures.

PRE-TEST EQUIPMENT & MANIFOLD INSPECTION

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
1	**Pressure Gauges & Recorders**	Dual calibrated deadweight testers and continuous pressure-temperature recorders are certified within the last 30 days.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
2	**Test Manifold & Valves**	All high-pressure piping, valves, and connections are free of visible leaks, thread wear, and pressure rating mismatches.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
3	**Pressure Relief Devices**	PRVs are set to maximum allowable test pressure plus margins, pinned, and tagged with valid inspection dates.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**

TEST SECTION & ENVIRONMENTAL MONITORING

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
4	**Exclusion Zone Security**	Barricades and sentries are actively maintaining a minimum 100-foot exclusion zone around pressurized pipeline segments.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
5	**Fill Water Source & Chemistry**	Test water meets chemical/biocide requirements and discharge permits are active and accessible on site.	**Warning**	**[ ] PASS [ ] FAIL [ ] N/A**
6	**Ground Stability & Trench Conditions**	Test section trench is free of soil sloughing, excessive water accumulation, and unverified ground movement.	**Warning**	**[ ] PASS [ ] FAIL [ ] N/A**

PRESSURIZATION & HOLD PERIOD LOGS

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
7	**Hourly Pressure & Temp Recording**	Test pressure, ambient temperature, and pipe temperature are logged precisely every 30 minutes without unauthorized variance.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
8	**Visual Leak Detection Walkthroughs**	Authorized personnel conduct routine sweeps of accessible above-ground welds and flanges using safe remote optics.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
9	**Communication & Emergency Depressurization**	Dedicated communication channels are clear, and emergency blowdown manifold can be actuated instantly by the test lead.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**

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

COMPLIANCE NOTICE: This document must be archived for a minimum of 60 months (or per jurisdictional code) in accordance with pipeline safety recordkeeping guidelines.

DIGITAL INSPECTION UPGRADE: Run this audit on mobile/tablet, attach photos & automate compliance records. **Start Free Mobile Audit →**