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	STANDARD: **OSHA 29 CFR 1910.1200 / API RP 54 / ISO 17776**	AUDIT FREQUENCY: **Daily Pre-Shift**

Drilling Rig Daily Safety Inspection Safety Audit Checklist

Operational Scope: This audit checklist governs the daily pre-shift verification of critical drilling rig mechanical, structural, and life-safety systems. The objective is to mitigate well control failures, dropped objects, and hazardous material exposures in full compliance with upstream oil and gas safety regulations.

MANDATORY PPE:	Hard Hat (ANSI Z89.1 Type II), Steel-Toe Safety Boots (ASTM F2413), Flame-Resistant Clothing (FRC per NFPA 2112), Impact-Resistant Safety Glasses (ANSI Z87.1), H2S Escape Respirator (PAPR or Self-Contained), Cut-Resistant Mechanics Gloves
PREREQUISITES:	Verify pre-tour safety meeting (Toolbox Talk) has been conducted and documented. | Confirm Zero Energy State / LOTO protocols are executed prior to internal mechanical inspections. | Ensure continuous gas monitoring (H2S, LEL, O2) is active and calibrated at the rig floor.

RIG FLOOR & WELL CONTROL SYSTEMS

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
1	**BOP Control Unit & Accumulator System**	Hydraulic pressures meet operating specifications (3,000 psi manifold, 1,500 psi annular); nitrogen pre-charge is verified; no visible fluid leaks.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A
2	**Crown Block and Fast Line Safety Guarding**	Traveling block safety catch, crown safety cluster, and drilling line dead-line anchor are secure with zero signs of slippage or structural wear.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A
3	**Emergency Escape Chute (Derrick Escape)**	Escape line is free of structural obstructions, anchor points are torque-verified, and braking mechanism is lubricated and fully functional.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A
4	**Drawworks and Brakes**	Primary friction brakes, auxiliary eddy-current brakes, and emergency stopping mechanisms operate smoothly without excessive heat or chatter.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A

MUD SYSTEM & HAZARDOUS GAS MITIGATION

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
5	**Shale Shakers and Mud Pits Ventilation**	Exhaust blowers are fully operational, vapor extraction ducts are clear of heavy buildup, and explosion-proof lighting is intact.	**Warning**	[ ] PASS [ ] FAIL [ ] N/A
6	**H2S and Combustible Gas Sensors**	Fixed and portable gas detectors display calibrated readings with functional audible and visual alarms tested within the last 24 hours.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A
7	**Trip Tank and Mud Volume Indicators**	Remote pit volume totalizers and flow sensors accurately reflect mud levels and trigger automated pit-gain/loss alarms.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A

POWER PLANT, FIRE PROTECTION & GENERAL SAFETY

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
8	**Generator Engines & Spark Arrestors**	Diesel engine emergency shut-down (Chalwyn valves / air intake flappers) tested successfully; exhaust spark arrestors secure.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A
9	**Fire Suppression Systems (Deluge / Dry Chem)**	Fire extinguishers are charged with current inspection tags; rig floor deluge system valves are lined up and accessible.	**Warning**	[ ] PASS [ ] FAIL [ ] N/A
10	**Walkways, Stairways, and Handrails**	Grating, toe-boards, and handrails on substructure and derrick platforms are secure, free of oil/mud accumulation, and non-slip.	**Standard**	[ ] PASS [ ] FAIL [ ] N/A

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

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