

SLICKLINE OPERATOR WORKBOOK

IMPORTANT NOTE:

1. Your point of reference to complete this workbook may be obtained from the following
 - Training Manual and any other training materials provided together with this workbook
 - Your Trainer, Assessor (Slickline Operator), Verifier (FSM) or senior colleagues
 - SOP / Quality Procedures & Processors
2. The completion of this Workbook is a joint effort and responsibility between you and your assessor therefore you have the obligation to request from your assessor to be assessed upon your completion of each topic
3. The completion of this Workbook is part of the MANDATORY requirements which you must fulfill to qualify for a promotion
4. Your training program is mostly self-driven, including this Workbook. It requires individual initiatives, dedication and commitment to complete the process.

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| RECEIVED DATE | |
| DATE COMPLETED | 24 JUNE 2024 |



A. HSSE

Legend: C-Competent, NME-Need More Exposure

| Document No. | HSE and control critical situations | Assessment / Verification | Competency | | Assessment Date |
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| | | | C | NME | |

| FORM A.1 | | | | | | |
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| PERFORM UNSAFE ACT AUDITS | | | | | | |
| FORM A.1 | 1. What is the purpose of Unsafe Act Auditing * Auditing for unsafe acts can remove the basic causes of accidents through the adoption of a proactive approach to safety. The process of auditing for unsafe acts is aimed at eliminating unsafe situations and practices by a method of constructive dialogue between managers and workers. | | | ✓ | 24/06 | |
| | | 2. What is the purpose of hazardous area classification? * Hazardous Area Classification (HAC) study is done to evaluate and assess the Plant area based on the presence of Flammable material within the facility. HAC study provides details of Hazardous and Non-hazardous areas in a facility. | | | ✓ | 24/06 |
| | | | 3. Name four necessary checks required on a wireline unit that qualify it for Zone 2? * Check ESD system * Over speed system * Check flame trap * Check grounding cable. | | | ✓ |



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| | <p>4. Outline the key processes involved in completing Unsafe Act Auditing.</p> <ul style="list-style-type: none"> * Identification and documentation. * Root cause analysis * Risk assessment * Intervention and corrective action. * Monitoring and continuous improvement | | ✓ | | 24/06 |
| | <p>5. Why do we need PTW system to manage work activities?</p> <ul style="list-style-type: none"> * One of the main functions of PTW systems is to mitigate workplace hazards and minimise risk of accidents. By incorporating applications such as comprehensive risk assessment tools, safety procedures, and hazard identifications, e-PTW systems can help recognise potential risks associated with planned work activities. | | ✓ | | 24/06 |
| FORM A.2 | CONTROL CRITICAL SITUATIONS | | | | |
| | <p>1. Prior to carrying out operations in H2S environment what are the necessary preparations that need to be taken.</p> <ul style="list-style-type: none"> * Do assessment to identify potential of H2S and determine the concentration level. * Make sure all worker are fully trained about H2S. * Equip all worker with suitable PPE. * Make sure to install H2S detector at operation site. * Develop a contingency plan that include responsibility and duties of all personnel on site. * Make sure site have a good ventilation system. | | ✓ | | 24/06 |



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| | <p>2. How would you respond to the following critical situations?</p> <p>a) H2S release at wellhead:</p> <ul style="list-style-type: none"> * Stop work. * Secure work area. * All personnel must go to H2S master section or high area. <p>b) Gas release at wellhead:</p> <ul style="list-style-type: none"> * Stop work. Secure well area. Push ESD system. Close xmas tree valve * Secure well area. * Push ESD button * Close all valve at xmas tree. * All personnel must go to muster station. <p>c) Extreme adverse weather conditions:</p> <ul style="list-style-type: none"> * Stop work. * Secure all equipment and loose item. * All personnel standby at safe place. <p>d) Equipment failure: Power pack rig saver failure when gas is being released; BOP jammed open while attempting to close during emergency:</p> <ul style="list-style-type: none"> * Stop work * Inform to WSS * Activate platform ESD button. * All personnel must go to muster station. <p>e) Sudden exposure to toxic substances: Pipe connections failure during pumping of acid:</p> <ul style="list-style-type: none"> * Ensure that everyone in the vicinity is safe. Evacuate the area if necessary and follow any emergency protocols * Identify the specific pipe or connection that failed. If possible, shut off the acid supply to prevent further exposure * If you're directly involved, make sure you're wearing appropriate PPE, including acid-resistant gloves, goggles, and protective clothing. * Ventilation: Open windows or use exhaust fans to improve ventilation and disperse any lingering acid fumes | | ✓ | 24 / 06 |
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| | <ul style="list-style-type: none"> * Depending on the type of acid, consider neutralizing it * Seek medical attention, acid exposure can cause delayed effects * Safely contain any spilled acid using appropriate materials (acid-resistant containers, absorbent materials, etc.). Dispose of it properly according to regulations. <p>f) .Man overboard:</p> <ul style="list-style-type: none"> * Shout man over board to inform other crew. * Don't lose sight of victim. * Throw a lifebuoy ring to the man overboard. * Inform to WSS and vessel around. | | | | |
| <p>3. Briefly explain with a diagram the emergency command structure at worksite and specifically highlighting your role in the structure.</p> | <ul style="list-style-type: none"> * Wireline Operator <ul style="list-style-type: none"> • ESD the control panel using remote ESD or manual ESD at control panel • Discuss with the Supervisor for the next plan. * Wireline Senior Assistant <ul style="list-style-type: none"> • Activate the Platform Alarm and move to the Wireline Operator, wait for the next instruction from Wireline Operator * Wireline Junior Assistant <ul style="list-style-type: none"> • Shut off all Wireline engine (Generator, Air compressor and Power pack). Take work permit and report to the master station. | | | ✓ | 24/06 |

FORM A.3 MANAGE CRITICAL WELL INTEGRITY SITUATIONS



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| <p>1. List down the possible critical situations that can affect the well integrity.</p> <ul style="list-style-type: none">* Human error - Mistakes during drilling, completion, or maintenance can compromise well integrity. Proper training, adherence to procedures, and continuous monitoring are essential to prevent human-induced failures* Corrosion - Corrosion of oil and gas wells can lead to structural integrity issues, well leaks, environmental risks, and reduced production efficiency* Formation damage - Formation damage causes substantial reductions in oil and gas productivity in many reservoirs. Damage can be caused by mechanical effects, chemical effects, and the action of bacteria or extreme temperatures associated with thermal recovery processes.* Mechanical Damage: Mechanical damage can occur during well interventions, workovers, or equipment installation. Scratches, dents, or other physical damage to the casing or tubing can compromise the well's integrity.* Wellhead Failures - Failures in wellhead seals, valves, or other components can lead to fluid leaks or uncontrolled flow. | | ✓ | 24/06 |
| <p>2. When you lost control (for example, lubricator dismembered from a Christmas tree) during wireline operations what immediate actions do you take while working at a satellite well?</p> <ul style="list-style-type: none">* Stop work* Secure work area.* Close BOP ram.* Close all valve at xmas tree* Activate platform ESD if high pressure release still continue.* Inform to WSS about the situation. | | ✓ | 24/06 |



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| | <p>3. What is the purpose of BOP in a lubricator configuration?</p> <ul style="list-style-type: none"> * A slickline BOP (also known as a wireline valve) is generally installed between the tree connection and lower lubricator section. The BOP provides facilities for contingency and emergency procedures and must be included in all rig-ups. * Enable the well pressure to be isolated without cutting the wire by closing the master valve. * Provide access for the assembly of a slickline cutter above the BOP rams. * Allow a wireline cutter to be prepared and dropped if the toolstring becomes stuck in the well. * Enable 'stripping' of the wire through closed rams, only when necessary | | ✓ | 24/06 |
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