

Offshore Site Visit Report: Preparation for Retrievable Bridge Plug (RBP) Setting using K-SET in Well Tukau 18L

Date of Visit: 18 December 2023

Site Location: Tukau A

Visit Conducted By: Sahir/ Danial

Report Prepared By: Mohamad Sahir Bin Mohd Samsuri

Report Date: 30 January 2024

1. Introduction

This report provides the findings and observations from the site visit conducted for the preparation of Omega Retrievable Bridge Plug (RBP) plug setting operations in Well Tukau 18L. The objective of the visit was to assess the readiness of the site, review equipment and personnel preparedness, and ensure compliance with safety protocols and operational procedures required for successful plug setting operations.

2. Site Overview

- **Location:** TKDP-A
- **Well Name:** TK-18L
- **Platform Type:** Fixed
- **Water Depth:** -
- **Drilling/Completion Status:** Well is currently producing
- **Objective:** To isolate downhole debris by setting 3-1/2" Omega Plug at 8086ft-mdthf by using K-Set memory tool

3. Objectives of the Site Visit

- Assess readiness of personnel and equipment for plug setting in Well Tukau 18L
- Review operational procedures, tools, and materials required for the plug setting process
- Verify safety measures and emergency response protocols
- Evaluate any potential risks or issues that could affect the plug setting operation
- Confirm compliance with environmental and regulatory requirements

4. Methodology

The following methodology was used to gather the necessary information for this report:

- Walk-through inspection of the wellhead and equipment setup

- Discussions with the operations team, including supervisors and engineers
- Review of operational plans, safety documentation, and risk assessments
- Examination of equipment readiness and material stock (K-Set, RBP plug, etc.)
- Verification of emergency procedures and personnel preparedness

5. Observations

5.1 Well and Equipment Readiness

- **Wellhead:** The wellhead at Tukau 18L was found to be in stable condition with no signs of damage or leaks. Pressure testing equipment is scheduled for pre-operation checks.
- **Plugging Equipment:** The required plugging materials (RBP plug) bridge plugs, and other setting tools were confirmed to be available and in good condition.
- **Tool Preparation:** The tools for setting the plug were verified to be operational and have been tested on similar operations recently.

5.2 Personnel and Training

- The personnel on-site have undergone the necessary training for plug setting operations, including well control, equipment handling, and emergency procedures.
- The team was briefed on the detailed operational procedure for setting the plug, including monitoring procedures.
- A contingency plan has been established in case of an emergency, and the emergency response team is on standby.

5.3 Safety and Environmental Measures

- **Safety Drills:** Recent safety drills were completed successfully, with a focus on emergency evacuations, fire response, and well control scenarios. A refresher safety meeting was scheduled prior to the plug setting operation.
- **Personal Protective Equipment (PPE):** PPE for all personnel has been inspected and was found to be compliant with safety standards.
- **Environmental Protection:** Measures are in place to minimize any risk of spills or contamination. Spill kits are available on-site, and the operations team has reviewed environmental protocols.
- **Regulatory Compliance:** The planned plug setting operation complies with all relevant regulatory and environmental guidelines.

5.4 Operational Risks and Challenges

- **Risk of Gas Migration:** There is a low risk of gas migration during the plug setting; however, careful monitoring will be conducted. An additional gas detection system has been installed to mitigate any potential hazards.

- **Equipment Availability:** All key equipment for the operation is available and in working condition, but back-up equipment has been arranged to minimize downtime in case of malfunction.
- **Weather Conditions:** The weather forecast for the upcoming days is favorable for the operation, with no immediate concerns regarding weather disruptions.

6. Issues Identified

- **Communication Channels:** During the review, it was noted that the communication between the offshore team and onshore support could be enhanced. A trial run of communication systems will be scheduled to test readiness.

7. Recommendations

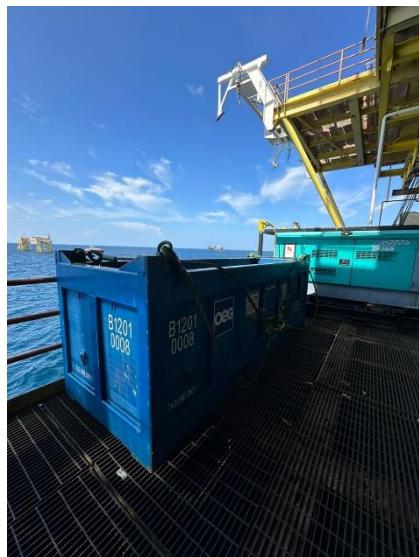
- **Pre-Operation Check:** Conduct a final pre-operation check of all tools and equipment 24 hours before the plug setting operation to ensure everything is in perfect working order.
- **Communication Drill:** Perform a communication drill between the offshore platform and the onshore control centre to test signal clarity, backup systems, and coordination.
- **Post-Operation Monitoring:** Implement a post-plug-setting monitoring period to ensure the integrity of the plug and the wellbore, and address any anomalies promptly.

8. Conclusion

The preparation for the plug setting operation in Well Tukau 18L appears to be on track. The site and equipment are well-prepared, and personnel are trained and ready. While some minor issues were identified they have been addressed, and contingency measures are in place. With proper execution and final checks, the operation is expected to proceed smoothly and safely.

9. Appendices

Appendix: Photographs from Site Visit (if applicable)



Signature:

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30 JANUARY 2024
