



Bringing the Practical Touch to Business Improvement

Rig Reliability

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Success Story

1. Why are we doing it?

- Rig related delays resulted in running 18.4 days behind drilling schedule. Delayed delivery of wells resulted in lost production opportunity of ~ 3.12mbeod
- Rig related nonproductive time (NPT) was 18%, versus a target of <2%, with large volume of carry over scopes and improvement potential to plan and execute.
- Opportunities raised to reduce impact of inefficiencies on Rig Engineers time



2. What was happening before?

- Duplicate documents to fill in for work request
- Delays in funding approval process
- Unclear R&Rs and Communication
- Backlog of work (Plan maintenance, Modifications, Punchlist) with unclear plan of execution

3. How is it now?

- Procedure updated to simplify Work Request Form approvals
- Refocused project carry over punch list work, reviewed and simplified
- Identified and prioritised simultaneous operations and Drilling outage Scopes
- Rationalised Planned Maintenance Routines
- Rig down communication protocol clarity
- Rig Engineering funding process reviewed and simplified
- Rig Engineering support timeline established
- Removed other blockers that Inhibit Rig Maintenance and Rig Engineering Efficiency
- Visual Management System implemented

4. What have we achieved?

- Simplification of Rig Engineering processes and how we work
- Clear understanding of vulnerabilities and defects
- Clear prioritised action plans in place to address identified issues
- Visual Management System for proactive prioritisation and delivery

Efficient use of rig engineering resources time

Clear understanding of vulnerabilities

\$22.8 M increased production Revenue

5. What benefits have we realised?

- More efficient use of rig engineering resources time
- Liquidation of project carry over and punch list scopes
- Rig improvement opportunities delivered on time and budget

All of which contribute to keeping the drilling schedule ahead of plan and sustaining the rig related NPT at $\leq 2\%$ for future months

6. What was the value of the deliverables?

- **4968 hours** given back through more efficient use of Rig Engineering resources time
- **\$496k** of cost avoidance through liquidation of project carry over and punch list scopes
- **\$22.8m** production revenue gain through NPT reduction bringing the drilling schedule forward