Wells Compliance Smart Dashboard

How to Digitalise exploration and wells.

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Agenda

Background
Challenges & Impact
Solutions
How did we do it
Business Value & Future Improvement
Question and Answer
Execute Program Wells
- Drill well as per programme
- Rig team record well’s data

30 days post Event
- Checking reports and amendments
- Verifying and QAQC

Approved Well Status Diagram
- WSD has been verified and approved
- Verified well’s information readily available
EDM: Corporate Data Store

EDM: Decision Making

EDM: Spotfire Visualization

EDM: Well Integrity Management System
Challenges and Impact

What are the challenges that we currently faced and what are the impacts to current business process
**EDM R5000 Create a Milling Casing Report in Openwells “One Pager”**

In order to create a milled casing report we need to edit / modify the existing Casing Report. Identify the top part of the casing, the milled section of the casing and the bottom part of the casing. *Note: Everything must be entered in ODFE inside EDM*

1. **Launch OpenWells.**

2. **Highlight** a well 🕵️‍♂️, then **Click** and go into the existing or created Casing Report of the Casing where it is milled.

3. In **General Tab**, no changes are made unless there is a change of the MD Top of the Casing.

4. In **Status Tab**, **Click** to **Add a row** to update the new status of the casing. Fill the required fields **highlighted**.

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**REFERENCE:** A casing milled as per WSD in Excel.

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Challenges

High Non value added time
- 80% of resource time spent on checking data quality
- 100 fields to be checked
- Manual dashboard
- High number of activities
- Mobility of Wellsite Drilling Engineer

Impact
- Amendments taking time
- Delay data verification and QAQC
- Delay in producing Well Status diagram
Solutions & Future Improvements

How do we improve the process, removing waste and automate qaqc process.
**Solutions – Continuous Improvement approach**

**Process Automation**
- Spotfire as Live QAQC tool
- Direct connection to data base
- Dynamic dashboard
- Pin point to errors

**Remove waste from process**
- Hardcoded in Spotfire
- Minimum manual checking
- WSDE can access to live dashboard
- Data approve in time
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Business Value

- Free up resources time
- Automation & Live
- Utilization & building of in-house capability
- Cost efficiency

Future Improvements

- Incorporate Daily Ops Report in tools
- Data in attachments
- Rule book in EDM
- EDM training for WSDE
Questions and Answers
HONOURING THE PAST, MAKING THE FUTURE.