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ShaleTechPermian.com

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Innovative Big Data Analytics Platform is Helping Reduce Cost & Increase Drilling Efficiency in the Permian

Chris James
Drilling Engineer
Moblize

Overview

Moblize improves the daily lives of engineers in the oil and gas industry via a cloud based big data analytics platform used on over 7000 wells.

Partial Client List



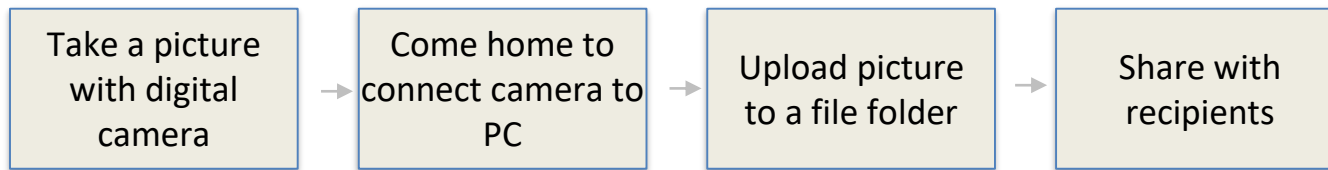
Featured In



Improving Daily Life

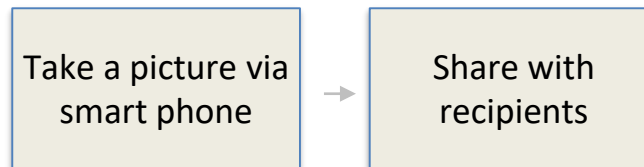
Let's look at an example of how another platform improved your daily life...

Past



Wait Times, Idle Times, Set Up Times, etc. = Inefficiency

Present



No Inefficiency



Daily Life of Engineers

Planning

- OpenWells
- WellView
- Internal tools

Daily Ops

- BHA reports
- Cost reports
- Pason/Totco/Canrig

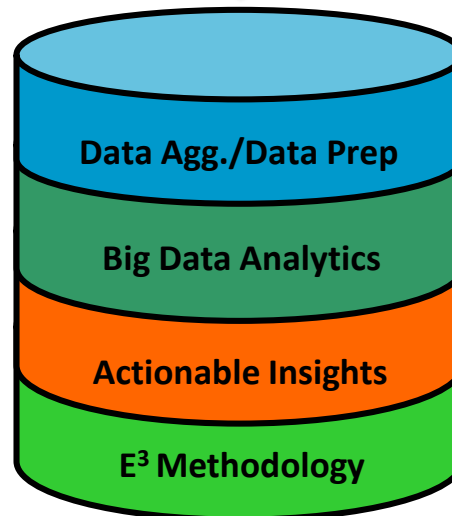
Post Well Analysis

- Excel
- Spotfire

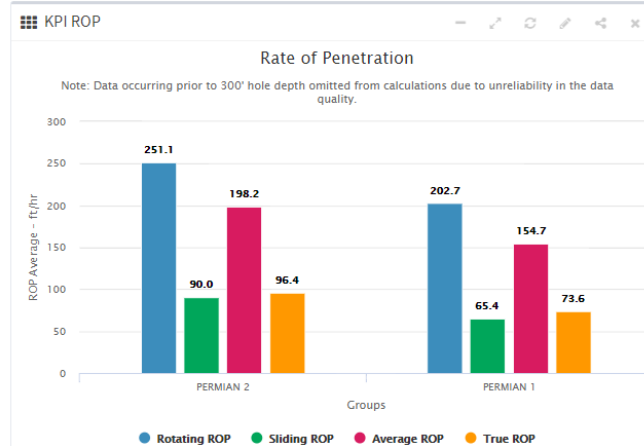
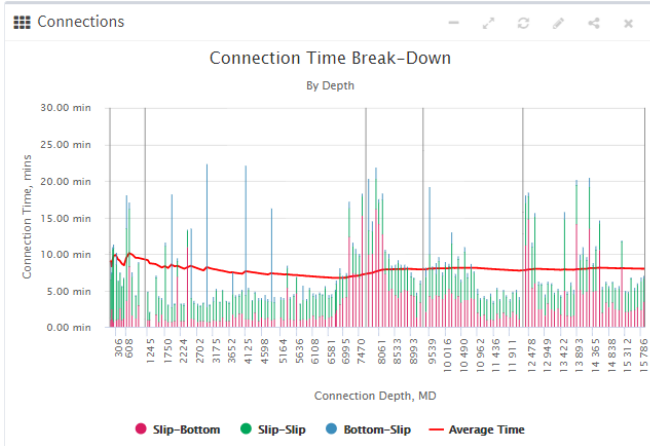
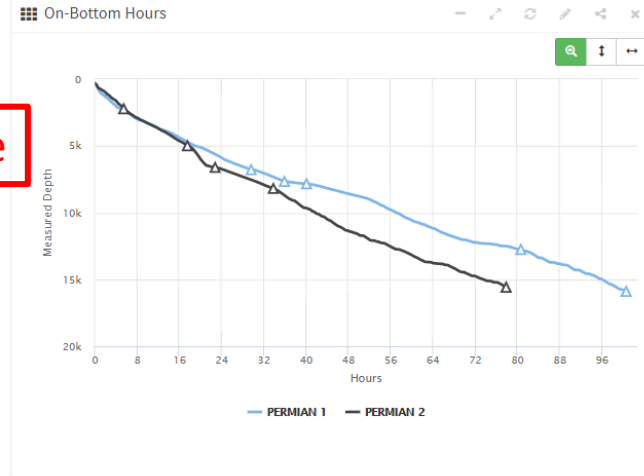
Reporting

- PowerPoint
- Excel, etc.

Raw
Data

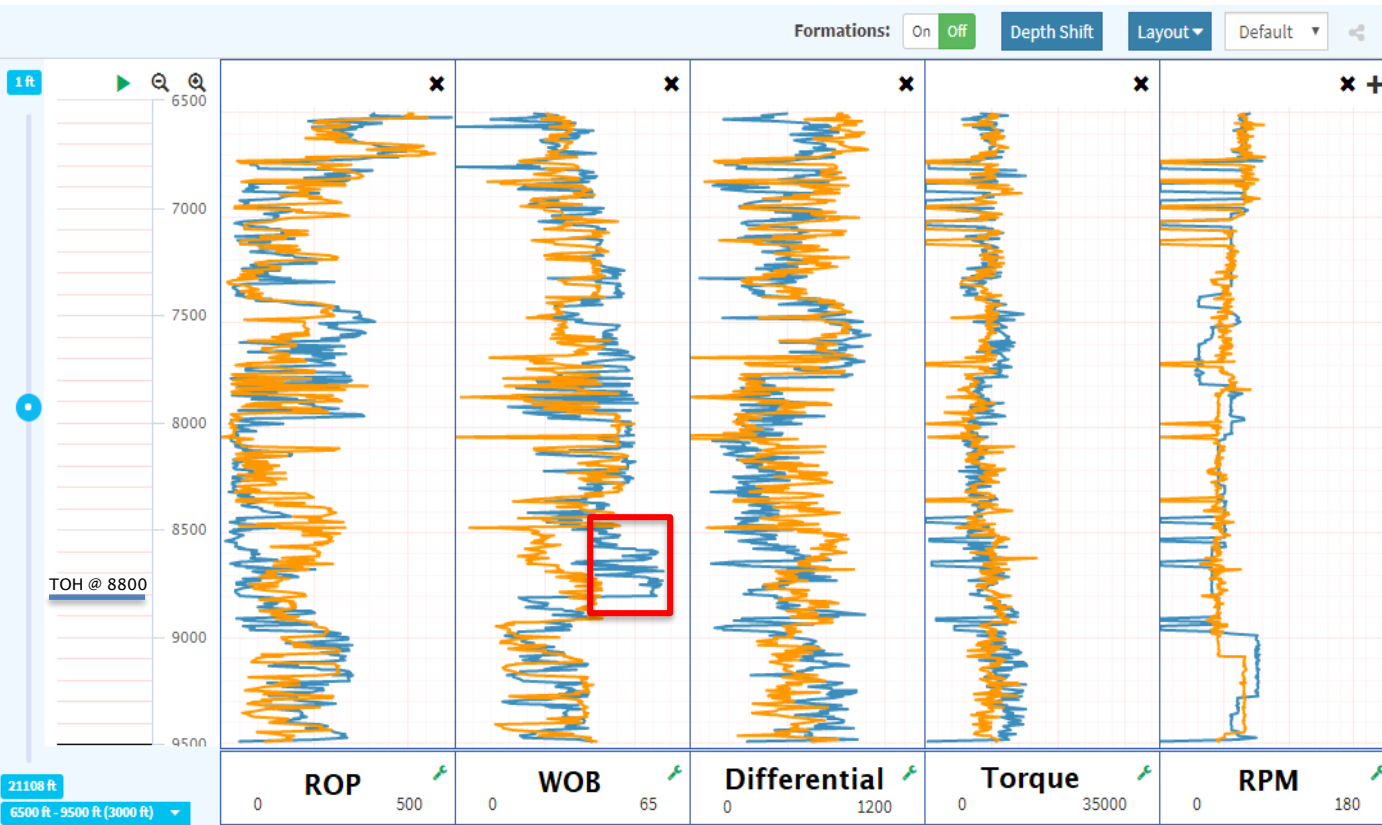


Improving the Morning Meeting



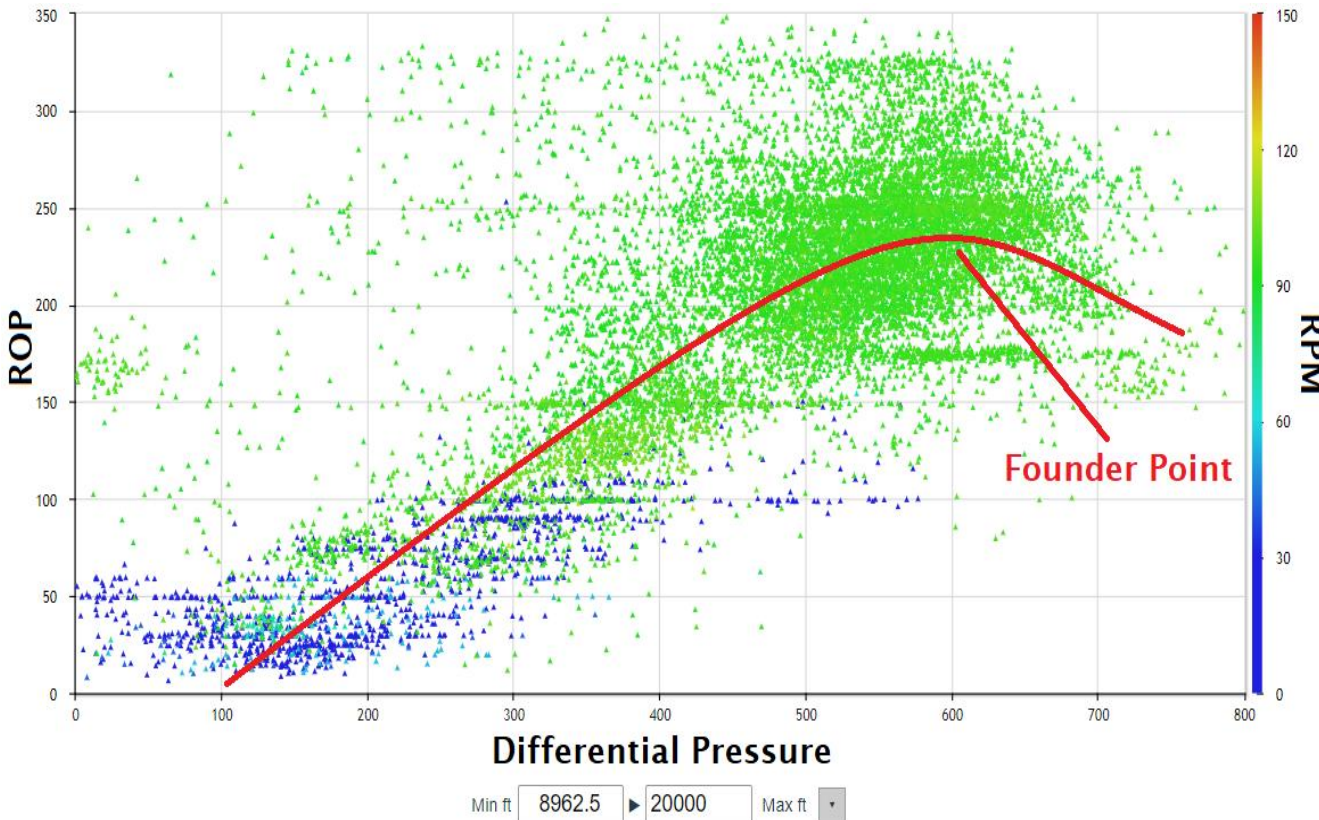
- Evergreen reporting eliminates the need for stale PDF reports
- Fuels meaningful discussion and instant insights when more detail is needed.

Driving Value from Insights



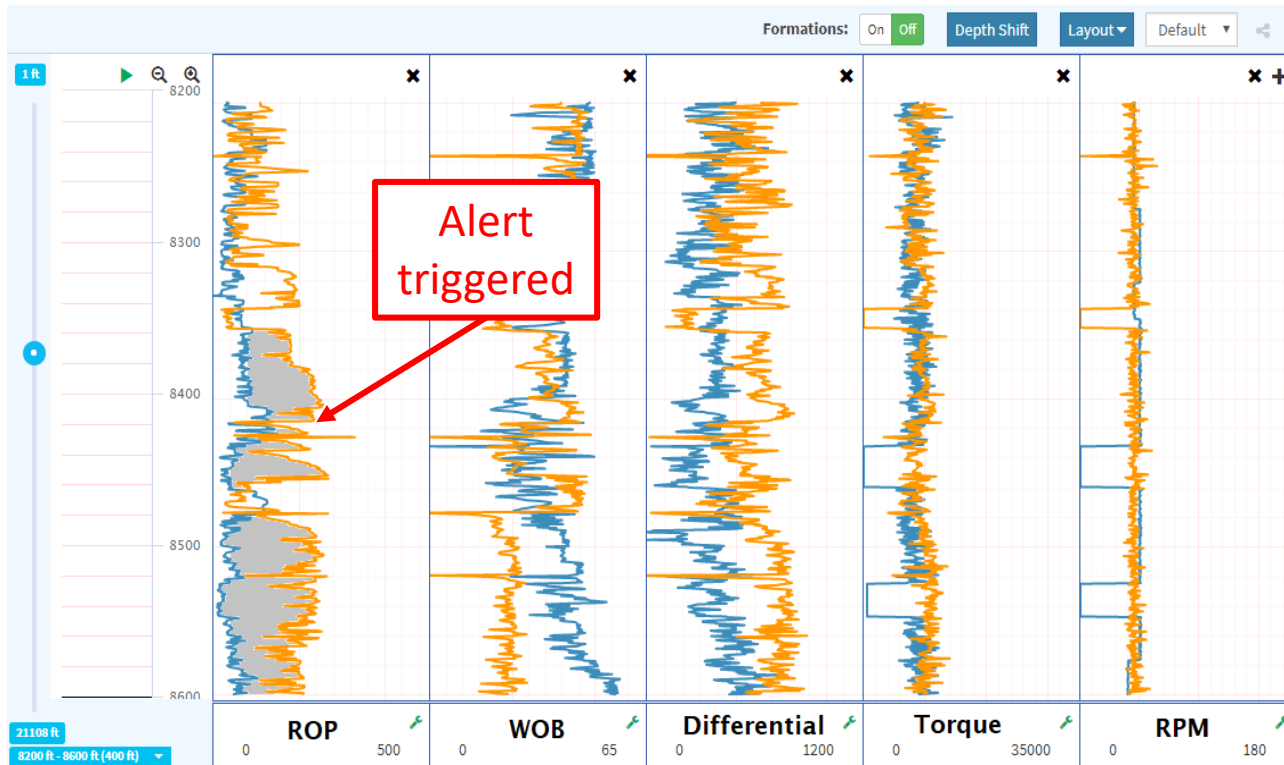
- Separate facts from fiction by analyzing trends at the parameter level.
- Instantly identify situations where improvements can be made.
- In this example, parameters ran caused failure. Make corrections and **save \$60k+ on a future bit trip.**

Identifying the Founder Point



- Instantly cross-plot any drilling parameters by depth, hole section, or BHA and send recommendations to the field without delays.
- Zero engineering time spend downloading and preparing data – available anywhere, any time.
- **Easily achieve \$60K+ in savings avoiding trips for tool failures.**

Real-Time Alerts to Repeat Best Composite Performance Well-to-Well



- Instead of watching real-time data 24/7, engineers can leverage real-time alerts.
- Example shown: ROP deviates by 20% over 100' in rotation from best composite.
- **Save \$50k+ per well getting immediate insights delivered to you for action.**

KPIs by Region, Rig, Well, and BHA

- Instant insights from real-time data via a flexible KPI platform, updated second by second.
- Example shown: Evaluate tripping rates by rig and well. Identify underperformers and evaluate rig contractors for future work.
- Other examples:
 - Evaluate ROPs, slide percentages and drilling parameters by BHA, allowing faster vendor evaluation and tool selection.
 - Monitor drilling and tripping connection trends by crew to identify areas for improvement.
 - Investigate clean-up cycle duration vs tripping out time to optimize best practices.

Tripping and Casing Average Speed



Additional Value

Sources of Value

Examples

Dollar Savings

**NPT
Reduction**

- Avoid Unnecessary Trips
- Extend Bit Runs
- Mitigate Stuck Pipe issues
- Avoid DBRs
- Select Best BHA for Job

\$100-300K per well

**Invisible Loss Time
Reduction**

- Reduce Connection Times
- Achieve Best Composite ROP
- Optimize Trip Rates
- Reduce Slide %

\$100-200K per well

**Engineering
Time Savings**

- Rig Selection
- Spreadsheets
- Morning Meeting Prep
- Reporting

2-3 hours per day

Summary

All services backed by 24/7 well surveillance via our Real-Time Operations Center providing:

- Data aggregation services
- Data preparation services
- Secure hosting
- Dedicated staff Drilling Engineers to ensure user engagement via our **E³ Methodology**



Questions?

The logo for 'moblize' features the word in a lowercase, sans-serif font. The letter 'o' is stylized as a circle with a central dot, divided into three segments: yellow on the top-left, green on the bottom-left, and blue on the right. The remaining letters 'm', 'b', 'l', 'i', 'z', 'e' are in a solid blue color.

Using big data analytics to improve the daily lives of engineers, first making humans smarter, not machines.

Chris James

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