The Challenges of Well Integrity Data Management
Introduction

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Well Integrity Management - Challenges

- Policy Compliance
- Data Quality
- Data Accessibility
- Personnel Competence
- Implementation
- Reporting
Well Integrity Management – Policy Compliance

- Testing schedule requirements
- Data requirements
Well Integrity Management - Quality

- Data capture methods
- Accuracy
- Approval process
- Statistical analysis
Well Integrity Management - Accessibility

- Network access
- Geographical location
- Cultural accessibility
- Disjointed systems
- Support
Well Integrity Management - Personnel

- Skills
- Knowledge
- Responsibility
- Ownership
Some options available

1. Continue with existing systems?
2. Develop solution internally?
3. Implement 3rd party solution?
Continue with existing systems

- These can be very good!

But sometimes....
- Confusing
- Not Current
- Inaccessible
- Inflexible
- Unreliable
Develop software solution internally

- This will be exactly what you need

But consider…
- Applicability
- Cost
- Time
- Resources
Implement 3rd party solution

System needs to be...

- Intuitive
- Integral
- Flexible
- Adaptable

Can “off the shelf” achieve this?
Well Integrity System - Adaptability

- Policy Methodology
- Testing policies
- Component configuration
- Input forms
- Configurable Interface
Well Integrity Management - Foundations

- Dedicated Personnel
- Policies & Procedures
- Well Design & Operating Envelope
- Inspection & Assurance
- Failure Management
- Data Management & reporting
- Audit Trail

(ref : SPE 142449 The 7 Pillars of Well Integrity Management)
Thank You