Integrating surface and subsurface data in a ‘COMPOSITE MAP’ using Spotfire

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Production Geoscience Technical Data Management
Background
How it get started

- Preparation for Reservoir Performance Review (RPR) took **THREE** weeks or more
- Low Oil Price = **Competitive scoping**
Why is it important

- Reservoir Performance Review
- Understanding of our Reservoir
- Opportunity Register
- Reservoir Forecast
What are the challenges

- Outdated Map
- Data integrity
- Work Load VS Time
Investigating the issues

Business Requirements

- Identified the datasource
- Business logic
- Integrate into one view
- Data Availability
- Data Integrity

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COMPOSITE MAP
Welcome!

This Template was created to support Reservoir Performance Review (RPR) process. All of the data are up to date since it is link directly to database except map.

**Data source**

<table>
<thead>
<tr>
<th>Attributes</th>
<th>Database</th>
</tr>
</thead>
<tbody>
<tr>
<td>Map</td>
<td>PETREL</td>
</tr>
<tr>
<td>Production data</td>
<td>EPRBASE</td>
</tr>
<tr>
<td>Reservoir pressure gradient (BHP &amp; RFT)</td>
<td>CDS</td>
</tr>
<tr>
<td>Well location</td>
<td>CDS</td>
</tr>
<tr>
<td>Well Test</td>
<td>EC</td>
</tr>
<tr>
<td>Well Status (Conduit status)</td>
<td>EC</td>
</tr>
</tbody>
</table>

**Contact Person**

Data and Template related - Ahmad Faid Ismat - CDM/72
Composite Map
Completion Matrix
Business Value
Business Value

HSE
• Improve data integrity

Technical
• Interactive display
• Live data from corporate database
• Better decision making

Non-technical
• Save 120 man hours on preparation
• Save cost on resources
• Lean process
Achievement
2017 BI 1000 MD Award

PRESENTED TO
Ahmad Faid Ismat
IN RECOGNITION OF DELIVERY OF THE BI 1000 PROJECT
DARAT/BSP COMPOSITE MAP

“You’re the difference that makes the difference”

ANDREW FAULKNER
BSP MANAGING DIRECTOR
DATE: 14TH Feb 2017
This is a large step forward in how we can be more efficient in using the data that is already at our finger tips by employing CDM experts and not just manually downloading/manipulating. Like I said, excellent work and a step change i.e. data managers managing data providing petroleum engineers more time to interpret it!

Marden, Roy Graham BSP-EPE/12