# TERADATA.

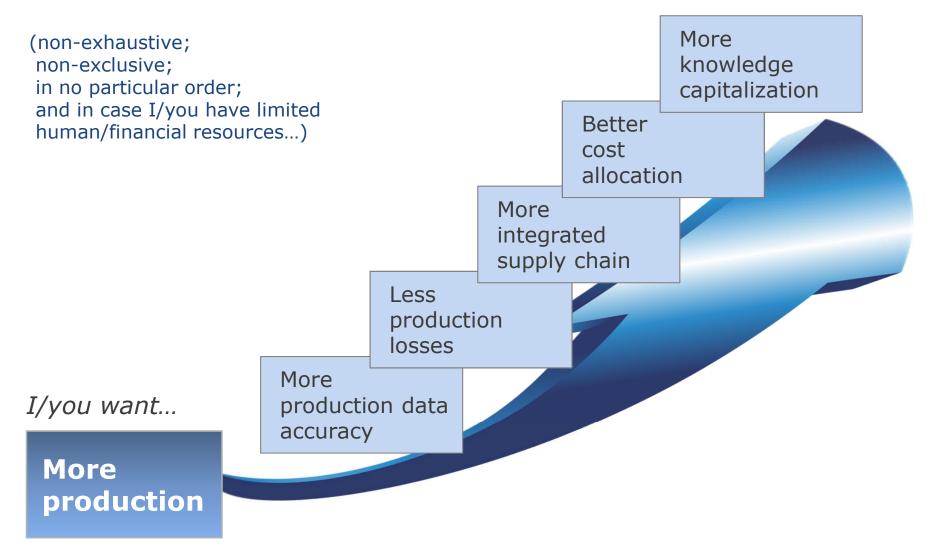
## doing MORE with PRODUCTION data

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2<sup>nd</sup> "Doing More With Production Data"
Digital Energy Journal
Stavanger, Norway
7 May 2014



### a Production wish list





### 1| More production... more production data accuracy Data is the asset

#### Scenario

- Let's pretend that I/you are producing 100,000 barrels a day today
- Forecast for year-end is 120,000 barrels a day
- How are we going to fill the gap and meet the target? And... from which wells?

#### Actions

- We need to identify individual well contributions,...
  - ... and even individual  $\rightarrow$  pay zones, formations, completions, etc.
- Utilize all available data (include raw data; do not throw out)
- Forecast production at the most granular level
- Report:
  - (Predictive) intervention plan to Operations, and
  - (Descriptive) performance dashboards to Management

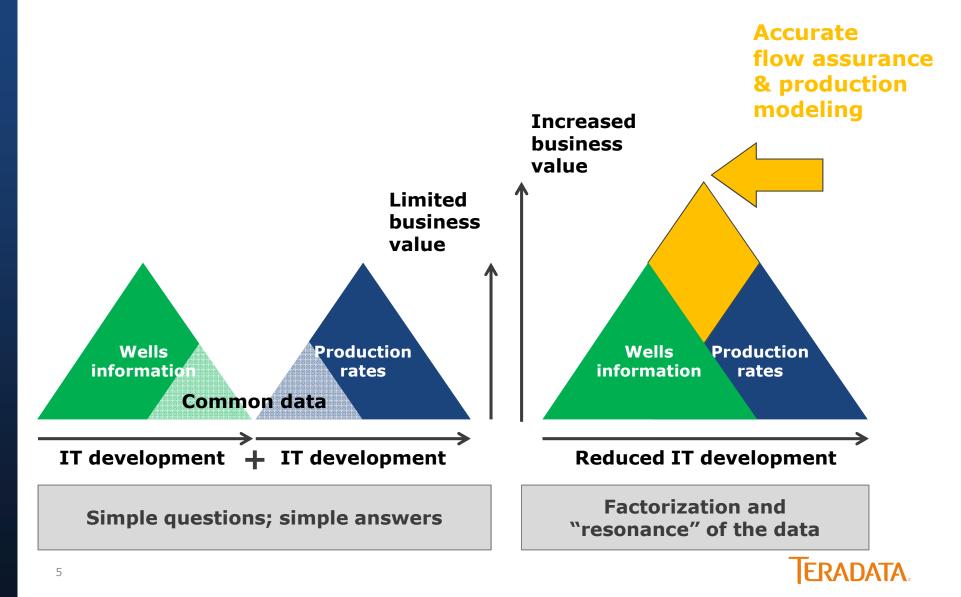
### TERADATA.

Fictitious oil company!

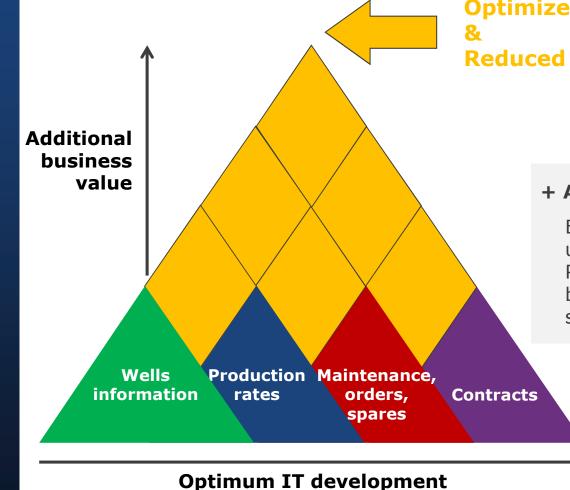
### 2 More production... less production losses **Take specific actions on specific wells**



# 3 More production... more integrated supply chain **Initiating integration**



# 3 More production... more integrated supply chain **360° view of operations**



**Optimized procurement & logistics & Reduced Non-Productive Time (NPT)** 

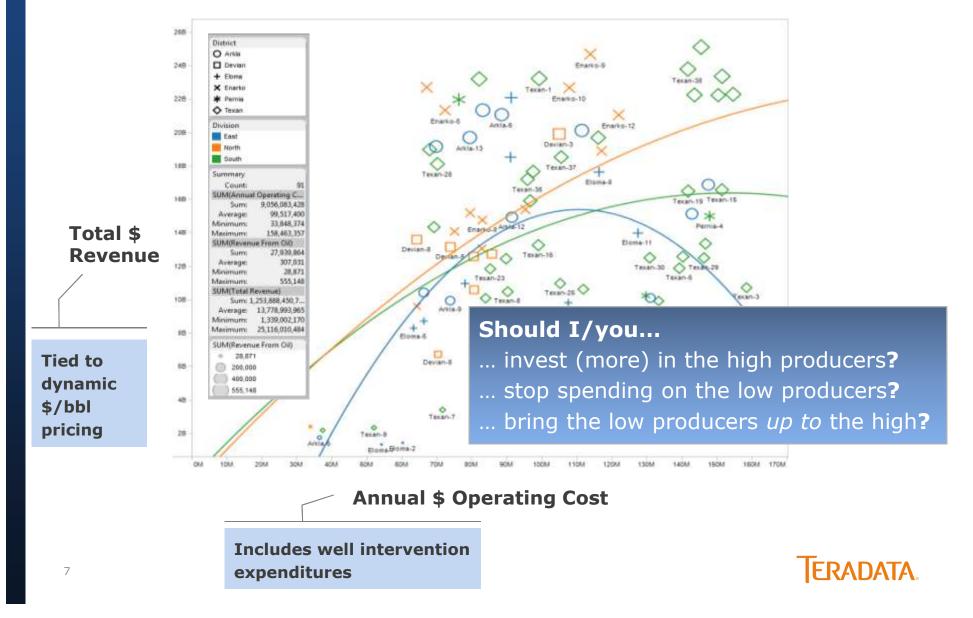
#### + Additional benefit:

Extract a new range of insights from unstructured text associated with Production and Maintenance logs and blend them with traditional analysis of structured Production data

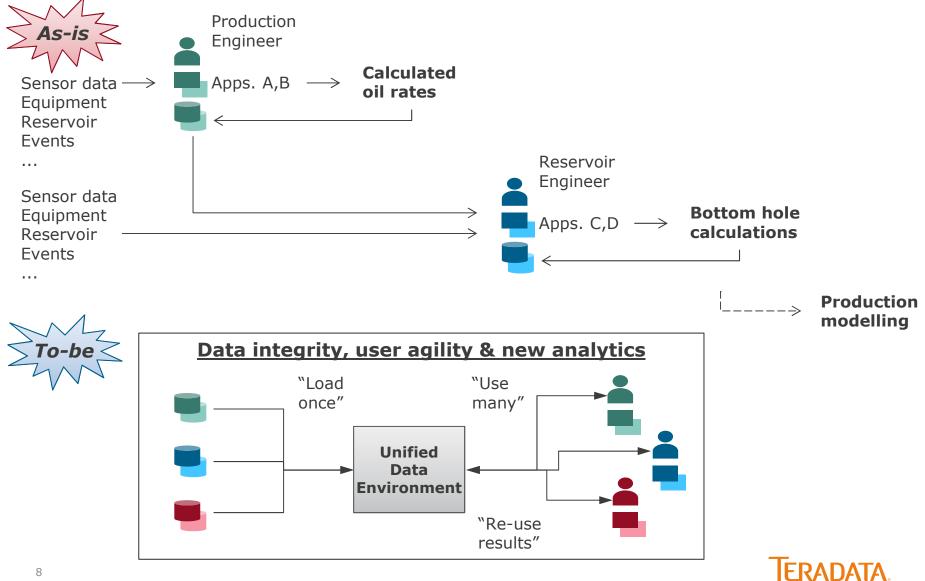




# 4| More production... better cost allocation**\$pend the budget where it yields mo\$t**



### 5 | More production... more knowledge capitalization Leverage multi-dimensional analysis



### More production... Conclusion



Big Data Integrated & Analytical Environment



All detailed data Structured and not In a unified ecosystem Enabling analyses & Knowledge

I/you want...

More production



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