# Petrophysics

| Pain Points | Type of Weakness Clusters | | | Driver: Cost, Performance, Value | BPM Possibility | Data, Information, Scorecards | Standardization, Measurements, Collaboration | Detailed Project Comments |
|---|---|---|---|---|---|---|---|---|
| | Business Flow Pain Points | Process Flow Pain Points | Information Flow Pain Points | | | | | |
| Disjointed of decision making information flow (where authoritative information is not being used by external department / division) | Information flow does not support the decision making flow | Ineffective decision making, integrity of the information | Information flow is not integrated | Performance and Value | Ineffective and inefficient | Information, Scorecard | Standardization, Measurements, Collaboration | Data governance, information architecture, technology architecture, collaboration engine, business process management, business intelligence |
| Up to date technical data/information (e.g. well completion, design, schematic) | Availability of up to date technical data hinders the up to date analysis | Process performance | Lagging of recent data | Performance and Value | Ineffective and inefficient | Data, Information | Standardization, Collaboration | Data governance, information architecture, technology architecture, collaboration engine, enterprise search, electronic discovery, content management, business process management |
| Data Quality issue (due difference in the requirement of data acquisition, e.g. between exploration drilling and petrophysics requirement) | Acquired data is not meeting expectation of the petrophysics | Inaccurate interpretation of the data, resulting in long leadtime and Ineffective decision making | Information of data acquisition is not shared | Value | Ineffective and inefficient | Data, Information | Standardization | Data governance, information architecture, technology architecture, content management, business process management |
| Accessibility to data required by petrophysics | Data is not available in the timely manner | Longer waiting time to locate the data | Location of data is not make known to users | Performance | Ineffective and inefficient | Data | Collaboration | Data governance, information architecture, technology architecture, collaboration engine, enterprise search, electronic discovery, content management |
| No clear audit trail thus not sure of the version of the analysis (whether final or not) | Double work, Inaccurate interpretation, long leadtime as well as Ineffective decision making | Longer waiting time to locate the right version and therby needed information | Governance of version is not there, making it impossible to track | Cost, Performance and Value | Ineffective and inefficient | Data, Information | Standardization | Data governance, information architecture, technology architecture, enterprise search, electronic discovery, content management |
| Enforcement of data owner, process owner not done or lack | Have to look for the right person | Decision making and lead time problems | Low coordination & collaboration | Cost, Performance and Value | Ineffective and inefficient | Data, Information | Standardization, Collaboration | Data governance, information architecture, technology architecture, enterprise search, electronic discovery, collaboration engine, data protection |
| Data required by petrophysicists but under custodianship of other department (ex-deviation data) | Long waiting time | Decision making and lead time problems | Information coordination problems | Cost, Performance and Value | Ineffective and inefficient | Data | Standardization, Collaboration | Data governance, information architecture, technology architecture, enterprise search, electronic discovery, collaboration engine |
| No centralised info centre for the department or Division (have to ask around) | Have to look for the right person | Decision making and lead time problems | Information coordination problems | Cost, Performance and Value | Ineffective and inefficient | Data, Information | Standardization, Collaboration | Data governance, information architecture, enterprise search, electronic discovery, collaboration engine |
| Time consuming | Delay in capturing the data | Decision making is delayed | Use spreadsheet to submit data | Performance | Ineffective | Data, Information, Scorecard | Standardization, Measurements, Collaboration | Data governance, information architecture, technology architecture, enterprise search, electronic discovery, collaboration engine, business intelligence |
| Double work | Resource is not optimized | Long waiting time to get the data | Not all countries have acccess SAP HR access | Performance | Ineffective | Data, Information | Standardization | Data governance, information architecture, technology architecture, enterprise search, electronic discovery, business process management |
| Mistake / accuracy of HR data | Inaccurate reporting | Time conduming to review the data | Information is not completed | Cost | Problem with decision making | Data, Information | Standardization | Data governance, information architecture, technology architecture, business intelligence |
| Compliance issues on reporting | Impact the accuracy of the decision | Data is not reliable | Integrity of the data | Value | Data is not reliable | Data, Scorecard | Standardization, Measurements | Data governance, information architecture, technology architecture, business intelligence, data protection |