**Technical Library**

**Use of the Technical Library:**

1. **Ability to search independently:**
2. I am curious about
   * an area
   * a client
   * a product
   * a formation
   * a depth
   * well types
     + See trends and recommendations on how to deal with a situation
3. Trends (Graphs) may include
   * XS used in an area
   * success by depth
     + Require a definition of “Success”
   * success by area
   * type of LCM used
   * etc
4. In addition to trends, bring up a list of documents that can be viewed
   * Ability to click on selected document to read/review
5. **Integration to job design:**
   1. In creating a job design to have risks be identified in some way
      * Trends of returns, XS pumped, XS designed, XS required, density
   2. In creating a job design to have a link to blends and performance data in selection
      * TT, FL, FW, Strength, test #, rheology, etc

**Data stored in the technical library:**

* Job Design evolution
  + Identify the changes made to the job design on
    - Iterations
    - Pad programs
    - On-going work
    - May or not be using the same program
      * May not be multi-well
* Integrity issues (SCORE)
  + 184 incidents saved in SCORE
    - Most are well circulation issues
    - How do we change the process to include other items – SCVF and others
    - Need to add investigation results / corrective actions
      * No results entered
      * How to display
    - Need to identify job design changes
    - Need to follow results on job design changes
    - SCORE works for when items need to be added months after a job
  + Displayed in SCORE and BI-064
* Bond logs
  + Stored in client folders on the “P” drive, emails, local drives,
    - If we have them ….
* CWOP
  + Documents stored in client folders on the “P” drive
  + What information in the CWOP do we want available?
  + Link to file or “read” data?
  + Often have notes or instructions for operations to follow during the job – how to pass through to rig board? Often typed in
* DWOP
  + Stored in client folders on the “P” drive
  + What information in the DWOP do we want available?
  + Link to file or “read” data?
* Post Job Analysis
  + Stored in client folders on the “P” drive
  + What information in the post job analysis do we want available?
  + Stored as excel / word / pdf
  + Link to file or “read” data?
* Post Job Report
  + Stored in client folders on the “P” drive
  + What information in the post job report do we want available?
  + Stored as excel / word / pdf
  + Link to file or “read” data?
* Client Report
  + Pad / end of project reports
  + How to capture conclusions to use going forward
* AAR’s
  + Capturing changes, success, or lack thereof
  + Not sure where they are stored
  + What information in the document do we want available?
  + Link to file or “read” data?
* Client Feedback
  + Capturing changes, success, or lack thereof
  + Email?
  + Link to file or “capture” data?
* AER Directives
  + Multiple directives that need to be integrated to job design
* AER Data
  + SCVF / GM data currently purchased once or twice per year
  + Displayed in BI-025
  + Can we link directly to the AER?
  + What information do we want available?
* SDS
  + In SharePoint
    - QHSE – Documents – Safety Data Sheets
* IDHA
  + In SharePoint
    - Training – Documents - IDHA
* eService data
  + Losses
  + Returns
  + XS
  + Blend count
  + Blend types
  + Density
  + Wellbore configuration
  + Depth
  + Other
* Stick diagrams
  + Can this information be “read” and stored in the system/database?
    - Formation, frac gradient, pore pressure by depth and area
* Formations
  + Have maps of areas and formations by area
  + Shown on stick diagrams
  + Frac gradients
  + Depths
* Create a database?
  + Of stick diagrams and formations?

There are a few different sources of information:

* Some is in a database
* Some are in files/documents

Does this system include:

* Improved BI tools
* Searching mechanism for files/documents
* Integration to ?

Scenarios that this tool can help solve:

* Searching Suncor SAGD wells
  + Some wells have SCVF
  + Changes to the program were made
    - Details on why the changes were made (where does this go?)
  + See the evolution of results with respect to program changes