Functional Specification for Seismos Dashboard

# Introduction

The purpose of the Seismos Dashboard is to provide a way for field engineers to enter in data for a new project.

# Overview

The dashboard will be arranged with a header on top to show customer information. The side bar will provide navigation. The main panel will provide controls for the user to interact with.

# Details

## Header

Current customer and project information will be displayed. The header will not be interactive.

The follow controls and fields will be in the header:

* Seismos company logo
* Customer
* current project
* Wells
* current date/time

## Sidebar Navigation

On the left side of the dashboard there will be a tree view navigation. The levels for the tree view will be:

* Projects for the currently selected customer
* Wells associated with the project
* Stages that are part of the well

Each level when selected will have a different set of controls in the main panel.

Stage level should have a status indicator (suggestion was color)

Checkbox on stage level (color)

Red – not complete (stopped)

Orange warning

Blue in progress

Green complete

Note: The current customer and project will be saved in the database

### Add Project Dialog

This is the dialog launched from the header for the user to input in the necessary information to a new project. The following fields will be in the dialog:

* Customer name
  + There will be a button next to this field to add a new customer.
  + ??? another option is to change or add customer data in this dialog and the new customer will be created along with the new project
* Customer:
* Customer Field Rep:
* Rep Contact #:
* Field:
* Pad Name:
* Well Name[s]:
* Basin:
* Job #:
* AFE #:
* Formation:
* County:
* State:
* Start Date:
* End Date:

??? which information is customer specific, which is project specific

### Add Project Dialog

This dialog is launched from the Add Project Dialog button.

## Main Panel

The main panel will consist of set of controls based on each level. Most of these controls will be small with only brief view of the content of the control. Some will open a larger view of the control with all the specific data. The following is a list of levels, their controls, and how the user will interact with them.

* Projects
  + Project information
    - Small version will show the customer, the project name, and the project #
    - Large version will be the Add Project Dialog but Customer and some project fields will be static ??? need to determine what fields need to be read only
    - If there is no current customer or project the large version will be opened and will allow the user to select the customer and project before beginning. Once they are selected the header will be updated and the nav will be populated
  + Well information – these are the wells associated with the project
    - Small version will have a list of wells
    - Large version will allow the user to enter the wells and their volume information as follows:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Well Name:** | Well A |  |  |  |  |
| **Type** | **OD** | **Wt** | **ID** | **Depth [MD]** | **TOL** |
| **Casing** |  |  |  |  |  |
| **Liner #1** |  |  |  |  |  |
| **Liner #2** |  |  |  |  |  |

|  |  |  |
| --- | --- | --- |
| **Well A - Estimated Volume** | | |
|  | Surface Vol. [bbls] | |
|  | bbls |  |
|  | gallons |  |

* + Logs – these are the list of all logs for the project
    - Small version will have a few note dates listed (may give well and/or stage)
      * There will be a link to create a new note
    - Large version will be a table of all logs for the project with the following headings
      * Date/time
      * Well
      * Stage
      * Message

If well or stage is not relevant to the note, those will be blank

* Wells
  + Well Summary as found in the tracking sheet
  + Logs – these are the list of the logs for the well
    - Small version will have a few note dates listed (may give well and/or stage)
      * There will be a link to create a new note
    - Large version will be a table of the logs for the well with the following headings
      * Date/time
      * Well
      * Stage
      * Message

If well or stage is not relevant to the note, those will be blank

* Stage
  + The main panel will be exclusively the tracking sheet for a stage
    - There will be a link on the panel to open a dialog for the stage logs, both to view them and add notes