## Key Deliverables Phasing

Measures include:

* People
  + Require integration to ADP to look at availability – days on, days off, vacation
  + Require work shift/rotation
  + Require integration to training schedule
  + Require rules on allowable work time – require reset etc (10 hrs off in a 24 hr period)
  + Require time when people are available to work again
  + Require length of job
  + Require travel time
  + Require previous work history
  + Require integration to training achievement
  + Ability to assign to a job
  + Require visualization of assigned of work
    - Daily/monthly view
    - Gant view
  + Display work assignments out 31 days
  + Require arrive on location/job start/wait on rig notifications
  + Require ability to create “crew” (group of people)
  + Require daily crew count
  + Require total crew count
  + Require crew utilization
* Equipment
  + Require integration to eMaintain to get equipment maintenance schedule & history
  + Require integration to AX for active & parked units
  + Require equipment specifications and limitations – type of truck, HP, Pressure limits, location, etc
  + Require available equipment – by home district
  + Ability to assign to a job
  + Require visualization of assigned of work
    - Daily/monthly view
    - Gant view
  + Require Daily asset count by type (Pumper, Bulker, Chem Van, BTrain)
  + Require total asset count by type
  + Require pumper utilization
  + Visualize equipment availability
  + Visualize work assignments out 31 days
* Complexity Matrix
  + Require display of complexity matrix score
  + Require display of required steps in complexity matrix
  + Require display of process flow
    - Require Bulk Plant Blending beginning at time
    - Require Bulk Plant Blended complete
    - Require Bulk Plant sample sent to lab with expected arrival time at lab
    - Require Time sample arrived at lab
    - Require test has started
    - Require test results and pass/fail criteria
    - Require lab next steps
  + Require “Client Approval” flagging
    - Require lab next steps if not approved
    - Require pass to “Sanjel CS” for approval
  + Require “Sanjel CS” Approval flagging
    - Require lab next steps if not approved
    - Require pass to “Sanjel Ops” for approval
  + Require “Sanjel Ops” Approval flagging
    - Require lab next steps if not approved
    - Require haul to location flag
  + Require hauling to location
  + Require arrived at location
  + Require bin/location product was put in (if applicable)
* Forecasting
  + Upcoming Work
    - Require rigs working
    - Require clients
    - Require program #’s
    - Require rig start date
    - Require rig end date
    - Require # of wells
    - Require job types (from program #’s)
    - Require time between jobs
    - Require time for rig to move locations (when multiwell)
    - Require bid, won work flag
    - Require district/location rig is working
    - Require visualization of work in month view by rig/client/district/job type/equipment
    - Require ability to “slide” job times/dates
    - Require Sales Rep (from program #’s)
    - Require Complexity rating (from program #’s)
  + Revenue
    - Require program #’s
    - Require upcoming work forecast
    - Require visualization of revenue by timeframe/district
  + Product
    - Require program #’s
    - Require upcoming work forecast
    - Require “component” totals per timeframe/district
    - Require plugs required per timeframe/district
* Mapping
  + Require visualization of rig location
    - Require rig notes (directions to location) on hover
    - Require rig connection on hover
  + Require visualization of district location
  + Require visualization of truck location
    - Require crew names display on hover
    - Require crew hours by individual on hover
  + Require map layers
    - Require show rigs
    - Require show equipment
    - Require show district
    - Require show combinations of above

Phase I

* Visualization of people availability
* Visualization of equipment availability
* Visualization of rig/district/truck on map
* Visualization of Complexity Matrix

Phase II

* Forecasting UI – sales & ops
* Visualization of upcoming work – drag & drop, sliding, calculated
* Create Crew assignments
* Visualization of Daily Counts and Utilization (people & equipment)

Phase III

* Enhance Map Visualization – hover notes
* Complexity Matrix workflow & approvals
* Product & Revenue Forecasting
* Visualization of People & equipment details (hrs worked, availability, training, scheduled work)