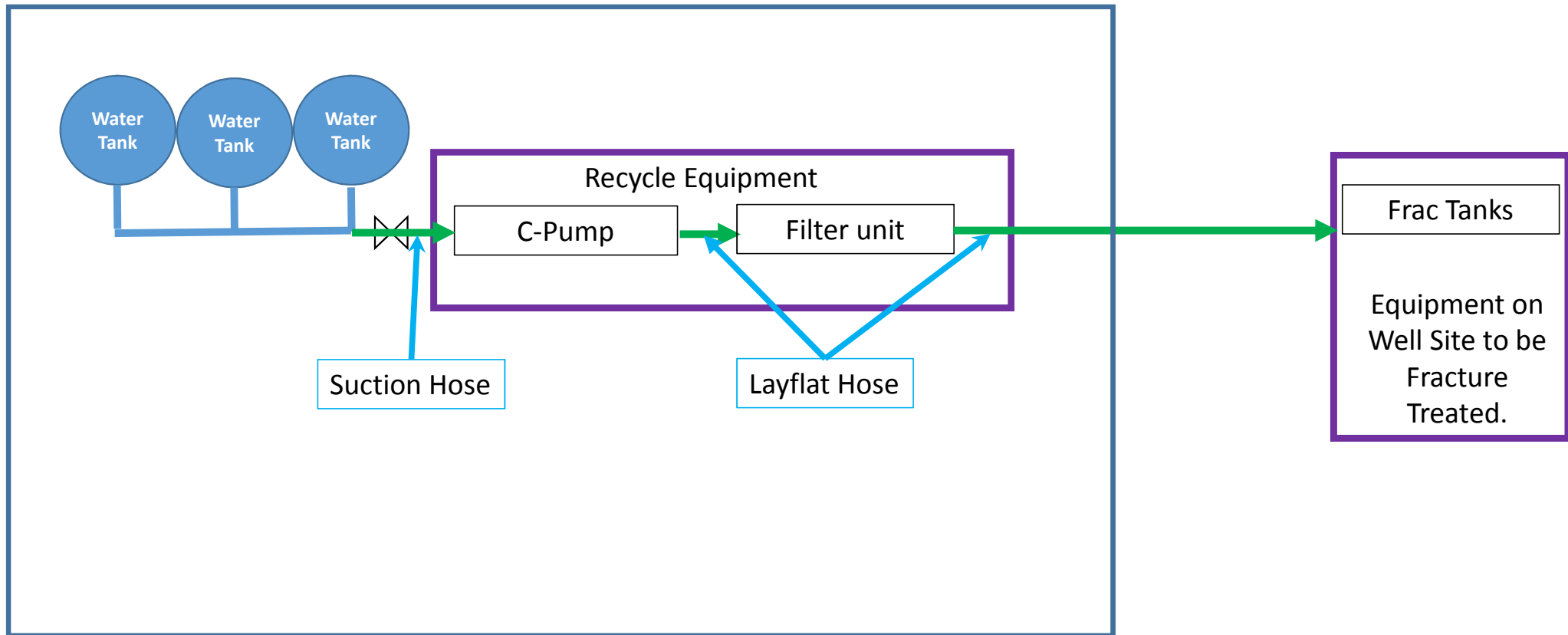


Cimarex Energy Co.
Produced Water Reuse Plan

Simple Schematic of PW Reuse by Cimarex



Process Overview

- Pull water from the water tanks only when it is needed during the fracture treatment.
- Dispose of water in SWD during time water is not needed.
- Only suspended solids will be removed.
 - Cut point will be 25 microns
- TDS will not be conditioned or removed from the water
- Lines flushed and pigged with FW before rigging down of units

Centrifugal Pump



07/31/2015 15:32

Filter Unit

- Produced water is filtered with a 25-micron sock filter
- Filters unit is placed in containment
- Roll off bin to store used filters are placed in containment
- Used filters are disposed of at approved land fills



Containments for Frac Tanks/Filter Unit

- Geomat placed on the ground to prevent punctures of the liner
- Double lined with a minimum of a 40 mil liner & 60 mil liner
- All Frac Tanks that will have Produced Water in them will have containments
- Frac tanks are removed as soon as we stop moving PW to location.

