

## Final Report for Spring 2018 WTC Foundation Inspire Program: Phase 1 Observatory Concrete Slab

Over the winter of 2019, a concrete slab was poured (11'5"x15'5") out at Cavender Energy Field Lab to fit the dimension required for CJE2 Roll-off Roof Observatory. The slab was made to fit the building so the original size of 20'x20' slab was not needed and would have been a waste or possible allow water to run underneath. With this completion Phase 2 can now begin which includes installation of a roll-off roof observatory that will permanently house the college's telescope.



## Final Report for Spring 2018 WTC Foundation Inspire Program: Field Lab Vessel Installation

First of all thank you for allowing this project to stretch out across a couple of years before finally being completed. Over this past winter break crews were able to get all the vessels concrete pads built and vessels secured onto them. Now that the vessels are upright we can continue construction of our training facilities by adding piping to the two lease training sites as well as start to make cut-away units. This will benefit the student tremendously by allowing them to physically see where fluids enter a vessel and the various paths products take to the next piece of equipment. For the Crude Oil Lease Training Site the three phase separator was installed and for the Natural Gas Lease Training Site the three phase separator, fuel scrubber and glycol tower were installed. We had one additional three phase separator installed to be made into a cut-away. The very next stage will be getting the vessels cleaned out thoroughly so that they can be sandblasted and repainted. From then we will begin to add piping to existing vessels while looking at what pieces of equipment will be needed to complete the training sites.



Three phase separator for crude oil training lease



3 vessels that were installed for the natural gas training lease.



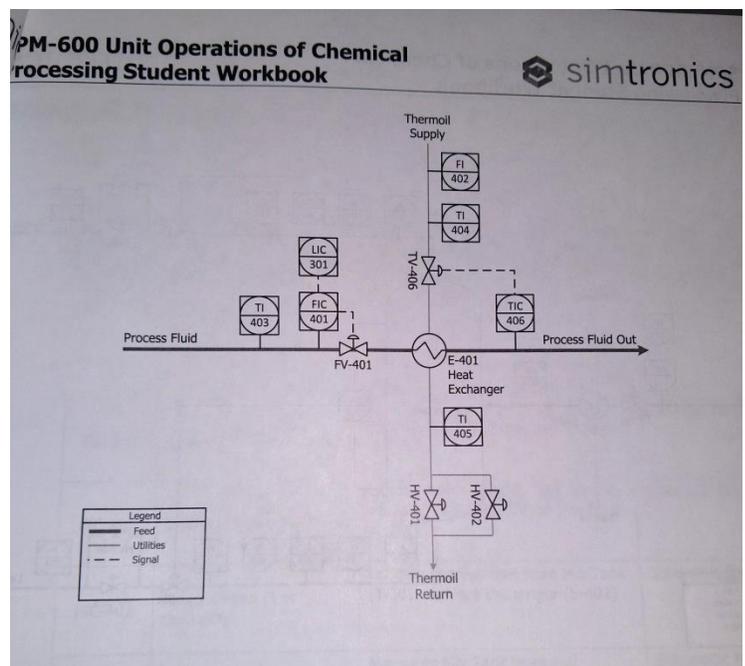
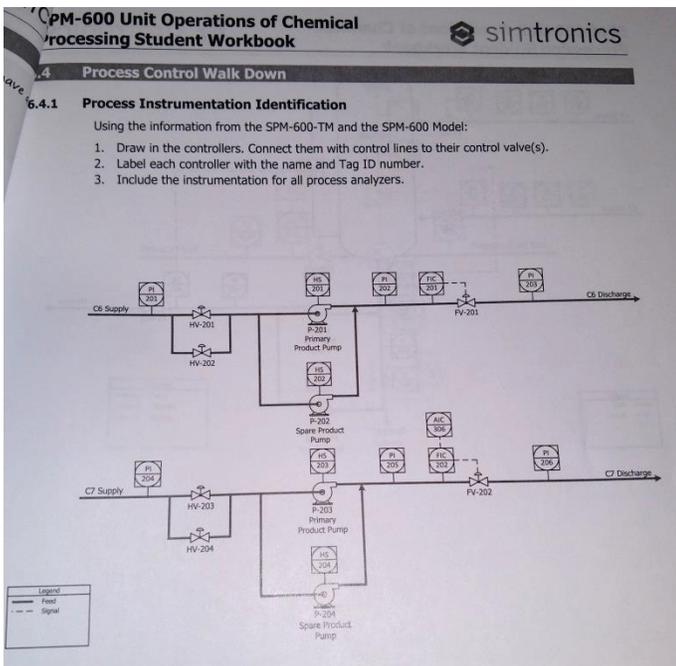
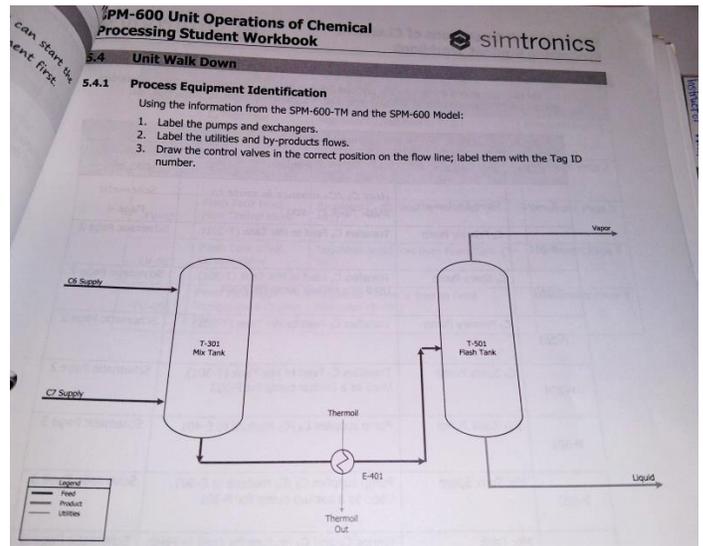
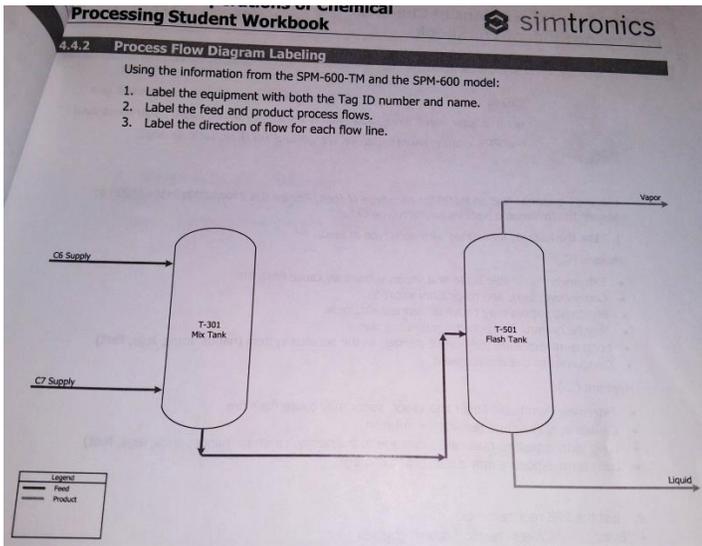
All vessels are now secured (but movable) with metal brackets that hold down the vessels (see below)



3 guidelines were installed for extra safety for tall glycol tower

# Final Report for Fall 2018 WTC Foundation Inspire Program: Simtronics Improvement Award

I am happy to report that the materials requested through the Inspire Program was able to be quickly purchased and added to the Fall 2018 curriculum in two courses and one for Spring 2019. The schematics have allowed the students to focus on more of the processes occurring through various pieces of equipment. Here are a few pictures of some of the workbook assignments (Note: this is the instructor's version so shows all components that are to be drawn in by students.) The workbook starts simple with basic feed and product flows and adds various components as student progress through; each time students must identify tag ID, name, and purpose. After students become familiar with all instrumentation the workbook offers troubleshooting and "What-If" scenarios allowing students to use critical thinking skills to determine with processes may become upset and how to safety shut down equipment and process flows during an emergency. This next Spring 2019 we will use the workbook for SPM 110 as well as the Virtual Training Environment for the Hands On Trainer. Again thank you for helping to build the curriculum and improve the petroleum technology students learning experiences here at WTC!!



Jennifer Evans

Inspire Grant Fall 2018

### 2018-2019 PTK Membership Dues Scholarship Final Report

The project was a resounding success with all \$500 of award money granted to seven students to pay for part or all of their Phi Theta Kappa Honor Society (PTK) dues (a one-time membership fee of \$80 per student). Membership in PTK, the official honor society of two-year colleges, is an honor granted to very few and comes with many opportunities for students including exclusive scholarships at their transfer schools, leadership development, service, and fellowship. Below you will find a list of students who had part or all of their membership dues paid for by the Foundation grant as well as the date and amount awarded. The recipients, the local PTK chapter, and I, the chapter advisor, are all grateful to the Foundation for its generous grant.

| Amount from Foundation | Student's Name       | Date     |
|------------------------|----------------------|----------|
| \$50                   | Sayanna Roy          | 10-26-18 |
| \$80                   | Tevin Lessey         | 3-6-19   |
| \$80                   | Candis Kelly         | 3-6-19   |
| \$80                   | Elizabeth Gallan     | 3-27-19  |
| \$80                   | Shawna Greer         | 4-1-19   |
| \$80                   | Jesse Ortiz          | 4-2-19   |
| \$50                   | Corbriyana Wingfield | 4-25-19  |

Jennifer Evans

Inspire Grant Spring 2019

### Western Texas College Archives Final Report

With the generous Inspire Grant from the Western Texas College Foundation toward the WTC Archives project, the LRC/Library was able to begin the process of organizing and preserving the items in the Archives. Instrumental in starting the process was the hiring of a temporary Archives Assistant for 36 hours per week for four weeks during the summer of 2019 to work solely in the Archives to begin organizing items and advising Library staff as to the items needed for organization and preservation. We knew beginning this project that this would be but one phase of many to have a completely functional archive. In an effort to identify the person(s), date, and activity in many of our unmarked photographs, we held a luncheon on July 9, 2019 in conjunction with the 50th anniversary of WTC. The public was invited to lunch and then view and identify as much as they could about the photographs.

Despite these efforts, we still have photographs to identify. We have begun but not completed the process of digitizing our photographs. We also hope to digitize WTC-related newspaper articles housed in the Archives, but we will need a different scanner as well as collaboration with the Snyder Daily News and any other periodicals we use. Ultimately, we hope to have as much digitized as possible and stored in the cloud with tags that make the items searchable.

All in all, we are pleased with the progress made so far. The Archives have already proved useful for the College as well as the community. For instance, we have had alumni come to look at WTC yearbooks. Furthermore, we were able to find photographs of three former WTC employees for Snyder Lifestyles for a feature article about WTC and the 50th anniversary celebration much more quickly than we would have prior to the start of this project.

WTC FOUNDATION INSPIRE PROGRAM

FINAL REPORT

EDUC 1300 CHROMEBOOKS

2019

Responsible Party: Geron Scates

Title: Associate Professor

Department: EDUC

Email: [gscates@wtc.edu](mailto:gscates@wtc.edu)

Phone: 325-574-7626

Chromebooks were purchased for the Face-to-Face EDUC 1300 Learning Framework courses on the campus of Western Texas College. A cabinet designed for storage, charging and securing was purchased along with 25 Chromebooks. The purchase was facilitated with an assist from the WTC IT department and the Director of Purchasing department.

The machines are kept on campus in the classroom and are designed for classroom use. The purpose of the machines is to facilitate improvement in student's rates of assignment completion under the guidance of classroom instructors. The guidance was expected to lead to a reduce rate of failure in the EDUC 1300 on campus course.

The previous failure rates from the past four semesters averaged approximately 20%. The fall of 2019 was the first semester the machines were available for student use. The failure rate dropped to 6% and continued improvement is expected. Student perception of having the Chromebooks to use was observed to be overall positive in nature.

Comments by the students included "This works better than my laptop in my dorm", "It's nice to have this available in the classroom", and "I appreciate having this to complete assignments where it's easy to ask questions since the instructor is right here".

It is my opinion that if success continues with greater student achievement, engagement, and an improved learning environment, one would consider applying for additional machines.

Classes with larger enrollments would be assisted, and instructors who teach other courses in the same room, could consider offering this tool if their instructional methods and coursework fit this technique.

Sincerely,

Geron Scates

Associate Professor

Western Texas College

(See Picture Below)

