



PETROLEUM TECHNOLOGY

June 2013 Newsletter

Schools out! Students are off having fun or in many cases working, since several of them were able to obtain a Summer Internship. The Internship class is a required activity for completion of the degree in Petroleum Technology. In this class, students work for a company in the field in which they will eventually seek employment. Students write a report on their activities, maintaining contact throughout the duration of the period with their respective programs instructor.

Meanwhile back at the field lab, both subcontractors and faculty alike have been working to prepare for the highlight of the month of June: activation of the Polaris H.O.T., and faculty training in use of the instrumentation and software.



(Left) The flowers are even ready, this one the *Lygodesmia texana* – the Texas skeleton plant or Texas skeleton weed blooming among the disturbed earth, next to one of the concrete slabs in the field.

With the electrical connections made, the water tank in place, Control Room insulated, Ethernet lines run for Polaris H.O.T. control, and Internet access, we were finally ready for Mike Newell, of Polaris Engineering, Lake Charles, LA, to come out to Snyder for a two day activation and training event.



(Left) Mike Newell (Polaris Engineering) showing Dana Fahrtrapp (Petroleum Technology Curriculum Development Specialist) how the Delta V software illustrates and controls operations of the Polaris Hands on Trainer.

(Right) Ms. Fahrtrapp, demonstrates operation of the Delta V, Polaris H.O.T. software, and unit operation to one of the Petroleum Technology program students, Polat Garlyyev. Mr. Garlyyev was in town during the summer to continue with his studies throughout the summer.



There is more to the operations of a unit than just the software. Start-up operations were reviewed, equipment explained, and examples provided of exercises to train the students.



(Above) Mike Newell describes the interior workings and wiring of the field- located Programmable Logic Controllers (PLC), and circuitry of the Polaris Hands on Trainer.



(Above and Below) Mike Newell demonstrates and describes features of the Polaris Hands on Trainer to Staff, a student Polat (in the middle with the grey cap and black T-shirt) and Administration of Western Texas College, on a warm and bright June morning.



