



PETROLEUM TECHNOLOGY

July 2013 Newsletter

The Polaris H.O.T. unit is in place and ready for student training. The Petroleum Technology program and the Process Technology programs start up in just over a year. Other projects have also been moving forward.

In May, the Wind Energy program at Western Texas College poured the concrete for the anchor base of their Field located demonstration project Wind Turbine. The excess cement from the concrete pour was used to fill the forms which the students had set and leveled for the water tank.

Then in July, the first step in providing “Green Power” to run the Field operations was set in place with the installation of a 5KW wind turbine. This will eventually make the field site unique: a teaching institution for both Petroleum Technology and Process Technology powered by two sources of “Green Energy”, wind and solar.

(Below) Wind Turbine on tower, being raised into position, just Southeast of the Polaris H.O.T. unit.





(Left) Wind Turbine lifted into place.

The Petroleum Technology and Process Technology are fortuitous to have a large field location and ability to use the power produced by the Wind Turbine, as a technology upgrade to the field lab. This is a “downwind” type turbine, meaning that the blades are downwind of the generator portion of the Wind Turbine. Within 50 yards (about 45 meters), there is a weather tower to collect meteorological data at the field location.

Back on campus, the renovations to the Science building are nearly completed.