

## PETROLEUM TECHNOLOGY

### April 2013 Newsletter

Spring semester, and the weather has been good. More work has been done in the field lab for the power runs from the utility pole to the Polaris H.O.T. unit. Classes for the Spring semester are nearly over.



*(Top left)* Conduit installed to the Big Country Electric Utility pole – for power to the ‘core’ of the field lab.



*(Middle left)* Power Conduit to the center of the field lab. Prior to setting of interior poles. Two lines run, one for future use.



*(Bottom left)* In the Field lab, anchors holes were dug by students Kyler Free, Kylon Davis, and Tyler Hammond and Anchors set to anchor the Control Room to the ground (wind speeds can exceed tropical storm wind speed).

At the very same time that the Lineman class was installing poles for the field power switching, transformer mount location, and wind sock mounting location, the program supporters at Musslewhite trucking company were moving the Control Room out to the field.



*(Left)* Lineman class setting pole 3, of the interior lab power transformer mount poles, next to the concrete slab for the Polaris H.O.T.

Musslewhite trucking company moved the completed shell of the Control Room from its lab work position on campus to the slab location in the field.



*(Top left)* The 14 foot X 9 foot (interior) control room was awkward to move requiring two large pieces of equipment to lift it off a trailer in a delicate balancing act.



*(Bottom left)* Only one large fork lift was needed to maneuver the control room to its resting place atop the foundation slab.

After the control room was set in place by MusselWhite trucking company, the lineman class was able to set the pole on which the wireless internet connection to the field lab will be installed. Remember both crews were working simultaneously in the field.



*(Above)* Control Room set on slab, after the control room was set in place, the lineman class installed the pole. Pole set for wireless antenna (to provide internet connectivity for field activities).