

## **Drumright Learns Basics of Crude Oil Flow from Ground to Refinery**

At Friday's Drumright Rotary Club meeting Rotarian, Greg Roberts, introduced his guest speaker, Jamie Osterhout, of Pacer Energy. Jamie gave a presentation on the basics of Crude Oil flow from the ground to refinery.

Living in Drumright, a boomtown established close to one-hundred years ago, it is important to have speakers like Jamie to remind us of our heritage and our future. Of course living just eight miles east of the Pipeline Crossroads of America in Cushing is significant to our way of life as well.



Pictured L to R: Jamie Osterhout, Greg Roberts

But does the average citizen of Drumright think about the product that made Drumright what it is, and realize that even in the present day is the one product where the majority of Drumright's employment revolves?

Oil is purchased from the lease and sold to the sales point. There are basically two ways to describe crude oil – sweet or sour. The difference between sweet or sour oil has to do with the levels of naturally occurring sulfur and the gravity, or the measurement of the density of the oil. With sour oil, which is measured at a lower gravity reading and a sulfur content of 0.42 and above, production can be cut in half. Here in Oklahoma, we are fortunate to have sweet oil. Locally, our sweet oil measures 0.28 sulfur and 38 – 40 gravity.

Jamie also talked about the task of getting the oil from the lease site to the refinery. Depending on the direction of the flow and the type of oil, it can require quite a few steps. Several factors are put into play, including the region, climate and terrain, and the type of crude oil. Since sour oil is denser, the point of origin might restrict how many barrels can be hauled at a time if using railway or trucks, especially in inclement weather. Oil coming from warmer climates might still have to be sent first by truck, then by rail, then by truck again before it can be pushed down the pipeline.

With all that pipeline conjoining nearby in Cushing, is it safe? Because of events like 9/11, the United States is now divided into five PADD districts (Petroleum Administration for Defense District) allowing for security measures to be in place if one district is compromised and unable to function properly.

Jamie's presentation covered more information than can be summarized in this article and Drumright Rotary will be excited to have him address our club again in the future. Since he has been the Director of Crude Supply for Pacer Energy for almost eight years, he is extremely knowledgeable on the topic of crude oil. He and his wife, Tara, have two daughters, Parker, 12 and Riley 11. Jamie is also a Drumright Volunteer Fireman and he and his family are actively involved in Drumright.

Other guests today were Tara Osterhout, teacher and Assistant Principal of Bradley Elementary School; Rick Sellers of Keystone Gas and Jimmie Cook.

Please join us at Friday's meeting hosted by Rotarian, Odessa Dyer. Odessa will take Drumright Rotary Club on a field trip to Drumright Regional Hospital to tour recent additions in equipment and furnishings and to get a hospital up-date from Darrel Morris, CEO. Our club will meet at Joseph's as usual before departing for the tour shorting after noon.

If you are interested in becoming involved in Drumright Rotary Club, or if your high school child(ren) would like to be a involved in our Rotary Interact Club, please contact us on our FaceBook page, Drumright Rotary Club or go to our website [www.wix.com/drumrightrotary/drumrightrotary](http://www.wix.com/drumrightrotary/drumrightrotary).

Written by Jena Drake, Rotarian