



# Real World Problem Scenario

<b>Scenario:</b>	<b>Oil and Gas</b>
<b>Business:</b>	<b>Pickering Associates</b>
<b>Business Participant:</b>	<b>Erin Iafelice - Sales and Marketing Director</b>
<b>Career Cluster(s):</b>	<b>Agriculture, Food, Natural Resources, Architecture and Construction</b>
<b>Grade Level:</b>	<b>9-12</b>
<b>Standards &amp; Skills:</b>	<b>ENV.GP: Global Environmental Problems and Issues PG.ER: Earth's Resources Ohio's State and Local Governments. 20. Individuals in Ohio have a responsibility to assist state and local governments as they address relevant and often controversial problems that directly affect their communities</b>

## Problem Description:

Pickering is currently engaged with a Texas oil and gas company looking to construct wells in the Washington County area. Pickering is assigned to choose the sight and design the well pad. The oil and gas company is on an accelerated schedule and wants the well to start producing within 6 months of construction. The first problem is site selection. Pickering has 3 sites to consider: Northeastern Washington County, Central Washington County, and Southeastern Washington County. The oil and gas company wants assurance that they will have the site that will yield the most the fastest because competitors are quickly moving into the area.

## Things to be considered or defined for the solution:

- EPA Permits, County Permits, Regulations, Right of Way Accusations



- Infrastructure being sufficient for weight and width limits
- Noise Pollution/Health and Safety(NIMBY)

