With All the New Drilling, Gathering Pipelines Are Going In all Over – Is This a Problem?

PENNSYLVANIA MARCELLUS SHALE
Tunkhannock Viaduct
“The Eighth Wonder of the World”
Dedicated November 6, 1915

Height: 240 Feet
Length: 2,375 Feet
Construction Began: May, 1912
Steel: 1,140 Tons
Concrete: 167,000 Cubic Tons
Pennsylvania – Energy Sources

Birthplace of the Oil Industry

Drake Well Museum and Park, Titusville PA

Early Anthracite Coal Fields

Typical Steel Coal Breaker From Culm Heap, Anthracite Fields, Pennsylvania.
Marcellus Shale Natural Gas

In rural Marcellus Shale Pennsylvania, gas wells are located as close as 200 feet of homes and private drinking water sources.
The Marcellus Shale Play ~ 2/3 of Pennsylvania
PA 2008 Wells Drilled

Department of Environmental Protection
Bureau of Oil and Gas Management
Wells Drilled

2008 Total Wells Drilled - 4,192
Non Marcellus Shale - 3,997 Wells Drilled
Marcellus Shale - 195 Wells Drilled

As Reported by Operators

As of 12/31/2008
Department of Environmental Protection
Bureau of Oil and Gas Management
Wells Drilled
2009 Total Wells Drilled - 2,543
Non Marcellus Shale - 1,775 Wells Drilled
Marcellus Shale - 768 Wells Drilled

As Reported by Operators  Updated 01/25/2010
Department of Environmental Protection
Bureau of Oil and Gas Management
Wells Drilled
2010 January-December Wells Drilled - 2,755
Non Marcellus Shale - 1,369 Wells Drilled
Marcellus Shale - 1,386 Wells Drilled

As Reported by Operators

Updated 01/05/2011
PA 2011 Wells Drilled

Department of Environmental Protection
Bureau of Oil and Gas Management
Wells Drilled

2011 January-September Wells Drilled - 2,089
Non Marcellus Shale - 683
Marcellus Shale - 1,388

As Reported by Operators
Updated: 10/06/2011
Bradford County, PA

First Well Drilled: 2008

Gathering Lines Built: 175 Miles

Gathering Lines Proposed: 467 Miles

Marcellus Shale Drill/Operate Well Permits to Date: 2,020

Bradford County, Pennsylvania Gas Wells & Pipelines
Wyoming County, PA

First Well Drilled: 2009

Gathering Lines Permitted/Current Construction: 100+ Miles

Gathering Lines Proposed: 50+ Miles

Marcellus Shale Drill/Operate Well Permits to Date: 211

Wyoming County, Pennsylvania Gas Wells & Gathering Lines
Pennsylvania Legislation Needed

- Authorize the PUC statutory oversight of gathering lines
- SB325 provides for a Class 1 area registry
- SB1288 mandates Pennsylvania One Call participation
- Natural Gas and Hazardous Liquids Pipeline Act provides for Class 1 area registry, One Call registration, and adequate safety measures, such as inspections.
Landowner Issues

MARCELLUS SHALE GATHERING LINES
Wyoming County Landowners

Core Group

45,000 Acres Successfully Negotiated Gas Lease
For two long years, Skip and Marleah negotiated a gathering line agreement. The gathering line will connect a number of drilled and proposed wells in the area.

Skip and Marleah indicate where the gathering line will run.
Midstream companies resort to running gathering lines on township roads when negotiations with landowners breakdown.

However, townships have no authority to enter into such agreements.

Johnston Extension Work Area
Stanek Road, Meshoppen Twp.
Wyoming County, PA
Marcellus Shale

What's going on in the gas fields with these gathering lines?
Tunkhannock Creek Boring Site
Gathering Line being installed along a township road.

Johnston Extension
Stanek Road, Meshoppen Twp.
Wyoming County, PA
WITH ALL THE NEW DRILLING, GATHERING PIPELINES ARE GOING IN ALL OVER – IS THIS A PROBLEM?

Marcellus Shale
Gathering Line Concerns

- Quantity of lines and pace they are being installed
- Not every company is doing proper construction
- Lack of core samples in boring areas
- Some companies are lax in sufficient planning or standards
Gathering line construction site.

Northeastern Pennsylvania has had a very wet 2011, Wyoming County having 4 flood events. It is in some of these same areas where pipeline construction is taking place.
Unzoned Northmoreland Township borders zoned municipalities and therefore, much of the infrastructure is being slated for this community.

Many residents attend monthly meetings expressing concerns and seeking answers.

Northmoreland Township, Wyoming County, PA Monthly Meeting
Several Companies are seeking a variety of CPC’s with the PUC.

Of concern is the PUC authorizing gathering line CPC’s when the PUC lacks authority over gathering line installation and inspections.

Eminent domain is also an issue with each case.
Yes, until Pennsylvania has adequate gathering line regulations for all Classes, Pennsylvania Shalers will continue to express concerns, and possibly be the unfair bearers of associated gathering line risks.

Extending the Federal Regulations to Classes 2, 3 and 4 is not sufficient. Consideration needs to be given to the all rural Class 1 areas.

**With All the New Drilling, Gathering Pipelines Are Going In all Over – Is This a Problem?**
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