

Oil/Natural Gas and Shale Development Web Resources

Ohio Department of Natural Resources (ODNR):

<http://www.ohiodnr.com/>

- Division of Mineral Resources:
<http://www.ohiodnr.com/mineral/default/tabid/10352/Default.aspx>
(from above link to ODNR select Mineral Resources, then Oil and Gas)
Landowners and Leasing:
http://www.dnr.state.oh.us/Portals/11/oil/pdf/landowners_leasing.pdf
- Division of Geological Survey:
<http://www.dnr.state.oh.us/geosurvey/default/tabid/7105/default.aspx>
For information on the Utica and Marcellus shale:
<http://www.dnr.state.oh.us/tabid/23014/Default.aspx>

Pennsylvania Department Of Conservation and Natural Resources:

Links to PA Marcellus geology and maps of PA drilling activity

<http://www.dcnr.state.pa.us/topogeo/oilandgas/marcellus.aspx>

Pennsylvania Department of Environmental Protection – Bureau of Oil and Gas Management

The below link provides information to PA's laws and regulations, and Marcellus Shale information.

http://www.depweb.state.pa.us/portal/server.pt/community/oil_gas/6003

Interstate Oil and Gas Compact Commission (IOGCC):

<http://www.iogcc.state.ok.us/>

- *The Regulation of Hydraulic Fracturing: An Overview*
<http://groundwork.iogcc.org/sites/default/files/REGULATORY%20PROCESS%20FACT%20SHEET.pdf>
- *A Chronology of Hydraulic Fracturing and the Clean Water Act*
<http://groundwork.iogcc.org/sites/default/files/A%20Chronological%20History%20of%20HF%20and%20SWDA%20--%20Nov09.pdf>
- *Hydraulic Fracturing – Fact Sheet*
<http://groundwork.iogcc.org/sites/default/files/FINAL%20hydraulic%20fracturing%20fact%20sheet.pdf>
- *Hydraulic Fracturing Pamphlet*
<http://groundwork.iogcc.org/sites/default/files/Hydraulic%20Fracturing%20Brochure-2005.pdf>

Ohio Energy Education Program (OGEEP):

<http://www.oogeep.org/>

- Ohio Energy Proud:
<http://ohioenergyproud.org/>
How is this energy produced in Ohio: 6 video clips – How oil/gas was formed, where it is trapped, exploration, drilling/production, refining and products

Ground Water Protection Council (GWPC):

http://www.gwpc.org/home/GWPC_Home.dwt

- *Modern Shale Gas – Development in the United States, A Primer* (by US DOE for the GWPC) – Overview of Shale Gas Development across the United States including geology, regulatory framework and environmental considerations
http://www.netl.doe.gov/technologies/oil-gas/publications/epreports/shale_gas_primer_2009.pdf
- *Hydraulic Fracturing Considerations for Natural Gas Wells of the Marcellus Shale, ALL Consulting 2008*
<http://www.thefriendsvillegroup.com/HydraulicFracturingReport1.2008.pdf>

Department of Energy (DOE):

- *Water Management Technologies Used by Marcellus Shale Gas Producers, John Veil Argonne National Laboratory 2010*
http://www.evs.anl.gov/pub/dsp_detail.cfm?PubID=2537

Penn State University, College of Agricultural Sciences, Cooperative Extension:

- The below link provides links to publications, presentations and information relating to the current Pennsylvania Marcellus Shale activity, the history of the activity, drilling process, waste water disposal, leasing, economic considerations, environmental considerations, workforce impact and many other topics.
<http://extension.psu.edu/naturalgas>
- Drilling Animations (hydraulic fracturing, horizontal drilling)
<http://extension.psu.edu/naturalgas/presentations/drilling-animations>
- In addition to the above link, PSU also offers two other “spin-offs”:

Marcellus Center for Outreach and Research

<http://marcellus.psu.edu/>

Marcellus Training Education Center

<http://www.msetc.org/>

Penn State: Earth and Environmental Systems Institute

A number of "Archived" presentations on Marcellus Shale and Drilling activity in PA:

http://www.eesi.psu.edu/news_events/EarthTalks/2009Spring/EarthtalksSpring09.shtml

Marcellus Shale Coalition:

Good video illustrating drilling and horizontal drilling/fracturing process:

<http://marcelluscoalition.org/2009/01/drilling-process-video/>

Energy In Depth – Hydraulic fracturing

<http://www.energyindepth.org/>

- The below includes information on hydraulic fracturing process, what chemicals are used in the process and the regulations over the process (*FRAC IN DEPTH*).
<http://www.energyindepth.org/in-depth/frac-in-depth/>

You Tube

- Horizontal Drilling and Hydraulic Fracturing Video
http://www.youtube.com/watch?v=O0kmskvJFt0&feature=player_embedded

American Petroleum Institute (API)

Hydraulic Fracturing/Oil and Gas Resources

<http://www.api.org/policy/exploration/hydraulicfracturing/>

- *Hydraulic Fracturing Primer* (PDF download)
- *API HF1, Hydraulic Fracturing Operations-Well Construction and Integrity Guidelines*, First Edition/October 2009 (can view report on-line)
- *API HF2, Water Management Associated with Hydraulic Fracturing*, First Edition/June 2010 (can view on-line)
- *Hydraulic Fracturing at a Glance* (PDF download) from above link or directly at:
http://www.api.org/policy/exploration/upload/Hydraulic_Fracturing_at_a_Glance.pdf
- *Onshore Access to Oil and Natural Gas Resources*:
http://www.api.org/policy/exploration/upload/onshore_access_primer.pdf
- Also on the main link above, Hydraulic Fracturing Q and As, Facts about Shale Gas, a video clip, well schematic.

American Clean Skies Foundation

Shale Gas and America's Future

<http://www.cleanskies.org/>

- Shale Country - A 30 Minute Video, view on-line or order DVD
<http://www.shalecountry.com/content/welcome-shale-country>

Go MarcellusShale.com

A landowner blog

<http://gomarcellusshale.com/>

NY Dept of Environmental Conservation – Oil and Gas – Marcellus Shale Web Page

<http://www.dec.ny.gov/energy/46288.html>

- Draft Supplemental Generic Environmental Impact Statement on the Oil, Gas and Solution Mining Regulatory Program Well Permit Issuance for Horizontal Drilling and High-Volume Hydraulic Fracturing to Develop the Marcellus Shale and Other Low-Permeability Gas Reservoirs: (document is large 800 + pages. You can download the entire document or view/download section by section)
<http://www.dec.ny.gov/energy/58440.html>

OEPA Marcellus Shale Reference Sheet

http://www.epa.ohio.gov/portals/35/pretreatment/marcellus_shale/Marcellus_Shale_Fact_Sheet.pdf

National Geographic:

Article: "The Great Shale Gas Rush"

<http://news.nationalgeographic.com/news/energy/2010/10/101022-energy-marcellus-shale-gas-rush/>