

Terry Engelder AAPG Distinguished Lecture Tour (October 7 - 17, 2013).

Terry Engelder will give one of three lectures about fracking and the Marcellus gas shale depending on the choice of the local host. Possible lectures are:

“The Environmental Realities of Hydraulic Fracturing”

“The Middle Devonian Marcellus black shale play as an infrastructural and geological analogue for the world’s gas shale plays”

“Tectonic History of the Marcellus Gas Shale as revealed by Fracturing in the Appalachian Mountain Foreland”

Recommended reading and on-line listening exercises in preparation for Prof. Terry Engelder’s AAPG Distinguished Lecture visit include the following. You may wish to view one or more of these recommendations depending on the lecture at your institution:

Geology of the Marcellus (reading - attached): *Engelder T., and Lash, G.G., 2008, Marcellus shale play’s vast resource potential creating stir in Appalachia: American Oil and Gas Reporter, v. 51, n. 6, p. 76-87.*

Stratigraphic Framework for the Marcellus (reading - attached): *Lash, G.G., and Engelder, T., 2011, Thickness trends and sequence stratigraphy of the Middle Devonian Marcellus Formation, Appalachian Basin: Implications for Acadian foreland basin evolution: AAPG Bulletin, v. 95, p. 61-103.*

Environmental and economic Issues associated with the fracking (reading - attached): *Howarth, R.W., Ingraffea, A., and Engelder, T., 2011, Natural gas: Should fracking stop?: Nature, v. 477, p. 271-275.*

General statement about the ‘fracking debate’ (You Tube):
<http://www.youtube.com/watch?v=BBSVLGf7zPI>

General background material about Prof. Engelder’s calculation concerning the size of the Marcellus gas resource (MP3):

<http://www.thisamericanlife.org/radio-archives/episode/440/game-changer>