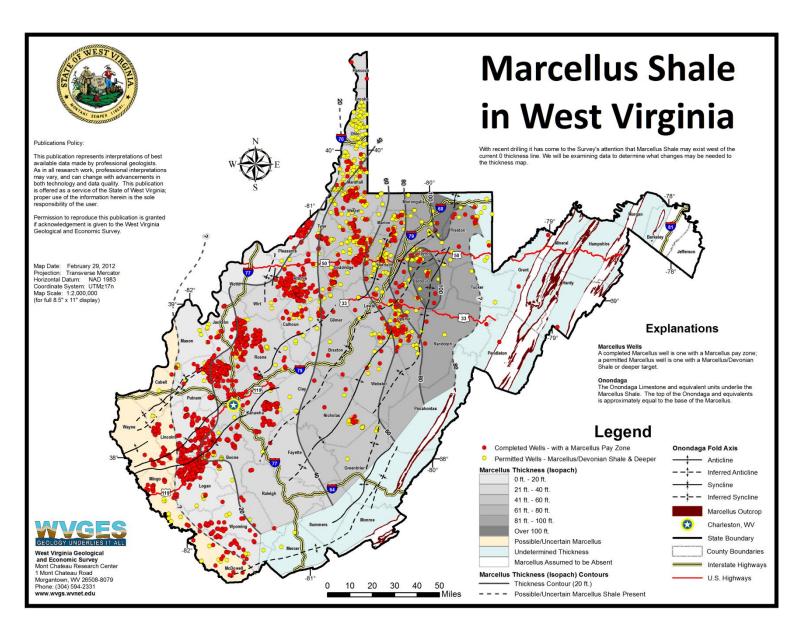
A West Virginia Policy Perspective

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Background

- State has been aggressive in the issuance of drilling permits
- Somewhat limited oversight and management of drilling operations
- Governor issued an executive order for the DEP to improve regulation
- "Natural Gas Horizontal Well Control Act" (HB 401)



- Legal, Regulatory, and Administrative Analysis
 - Liability, mineral rights, and severance payments
 - Public engagement
 - Policies to stimulate demand

- Economic, commercialization, and market analysis
 - Downstream gas manufacturing
 - Cogeneration facilities
 - Economic and regional impacts

- Environmental and Technological Analysis
 - Improved exploration and completion technologies
 - Air pollution and alternative fuels
 - Chemical engineering and green completion technologies
 - Water use, reuse, and disposal
 - Best management practices

- Sustainability
 - Ensure financial investments offer sustainable long-term benefits
 - Attract development activities to reverse population trends in the State
 - Short and long-term workforce needs
 - Maximize personal wealth

Next Steps

- Identify peer regions for comparative policy assessment
- Identify and interview key stakeholders
- Integrative public engagement

What's Needed

- Better electronic recordkeeping of land/mineral ownership records, and well permitting activity
- Public dissemination of well and production data
- Robust management and data structure of industry activities

Future Research

- Transparent best practice demonstration pad
- Regional studies
- Improved technical approaches
- Enhanced demand

Thanks