

EQT

Where energy meets innovation.



625 Liberty Avenue Suite 1700 Pittsburgh, PA 15222-3111

412.553.5700

www.eqt.com

RESPONSIBLE SHALE GAS DEVELOPMENT

STEP ONE: SITE PREPARATION

- EQT obtains necessary drilling permits and approvals from the appropriate regulatory agencies.
- EQT attempts to minimize disruptions to the neighborhood and environment in construction of the site.

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STEP TWO: DRILLING OPERATIONS

- The drilling rig and other necessary equipment move onto the site and commence drilling operations.
- While operations are occurring, the landowner should expect many vehicles to be present on the site.
- Operations are conducted 24 hours a day until drilling is completed. EQT will provide a more definitive time frame for the landowner prior to drilling.

STEP THREE: COMPLETIONS

- Completions techniques vary by formation, and type of well. In the Marcellus and Utica formations, hydraulic fracturing is the preferred technique.
- Hydraulic fracturing creates small cracks in the formation to stimulate production and allows the gas to flow to the surface. This may take from several days to weeks to complete.
- The fracturing fluid consists of 99.7% water and sand, with a small amount of chemicals used for purposes such as friction reduction and preventing scale deposits in the pipe.
- A typical horizontal well uses between three and five million gallons of water for well completion.

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STEP FOUR: PRODUCTION AND RECLAMATION

- All unnecessary equipment is removed from the site, leaving space for well production equipment such as meters and water tanks.
- The site is reasonably restored, and all applicable state rules and regulations regarding reforestation are fulfilled.

FACTS

- Horizontal drilling, multilateral wells, and extended lateral wells reduce surface disturbance by enabling EQT to drill fewer wells while recovering more gas.
- EQT utilizes "triple casing" to protect freshwater aquifers during drilling and completions operations. This includes layers of steel pipe, with a concrete barrier between each layer, which starts at the surface and extends down beyond the lowest point of the aquifers.
- EQT conducts a field survey, sampling, and analysis of nearby groundwater sources before starting any operational activities, including drilling.
- EQT posts fracturing fluid compositions for each well on FracFocus.org, a website maintained by the Groundwater Protection Council.
- Nearly 100% of completed EQT wells utilize "green completions" as defined by the U.S. Environmental Protection Agency.
- EQT uses drill rigs powered by "field gas" when possible, reducing diesel emissions, noise, and traffic.