Marcellus and Utica Shale Testing - Homeowner Wells

With the Pennsylvania Marcellus and Utica Shale regions fast becoming some of the hottest Gas Exploration locations in the United States, quality analytical testing of private wells has become vital for the protection of both the local homeowner and the shale gas production company. Analysis of well water before and after Gas Exploration is important because documentation from an accredited laboratory examines the conditions in the potable water supply before and after drilling operations.

This information is critical in evaluating if the drilling activities had any impact on your water supply. If your well has never been tested, a comprehensive test should be done initially to establish a ‘baseline’ on your well. Once drilling operations have been completed in your area, follow-up testing should be performed within one month for the same ‘baseline’ parameters. Suggested packages are available (see back of this document) along with special ‘custom’ designed testing packages for your specific location. ALS Environmental’s unique ability to create personalized analytical solutions helps set us apart from the competition.

Take this opportunity to join forces with the largest laboratory group in the world and choose ALS for your Marcellus and Utica Shale Gas Exploration private well testing needs.

Suggested Homeowner Well Testing Packages

Package One
- Total Coliform/e.coli
- Chloride
- Barium
- pH
- Total Dissolved Solids (TDS)
- Lead

Package Two
- Package One, plus...
- Total Hardness
- Magnesium
- Strontium
- Iron
- Manganese
- Sodium
- Conductivity
- Calcium
- Alkalinity
- Oil & Grease
- Methane/Ethane

Package Three
- Package One, plus...
- Package Two, plus...
- Arsenic
- Potassium
- Sulfate
- VOCs (incl. BTEX & MTBE)
- Sulfide
- Nitrate
- Ammonia
- MBAS (surfactants)
- Total Suspended Solids (TSS)

Package Four
- Package One, plus...
- Package Two, plus...
- Heterotrophic Plate Count (HTPC)
- Color
- Odor
- Corrosivity
- Gross Alpha/Gross Beta
- Mercury
- Radium 226/228
- Aluminum
- Copper
- Fluoride
- Silver
- Zinc
- Uranium
- Total Kjeldahl Nitrogen (TKN)

For more information, visit www.alsglobal.com/environmental/services/north-america-environmental-services/shale-testing-homeowner-wells.aspx

Here are a few things to keep in mind regarding well sampling and analysis near Marcellus and Utica Shale Gas Exploration sites when choosing a testing package:
Remember, the absence of any quality water data before drilling activities commence makes it very difficult for the private well owner and shale gas production company to accurately determine if drilling activities had any impact. The more detailed list of testing selected in the beginning of the process, the more information for both:
Private well owners: to defend a claim that the drilling process did affect your water quality.
Gas Production Companies: to protect you from claims that your drilling activities had any impact on local potable water sources.

Contact your local ALS Technical Sales Representative for more information.