

# MarcellusGas.Org

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# pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION  
NORTHWEST REGIONAL OFFICE

October 1, 2013

CERTIFIED MAIL NO. [REDACTED]

Re: 2012 Oil and Gas Act, Section 3218 Determination  
DEP Identifier 298337  
Glade Township, Warren County

Dear [REDACTED]

The Department has investigated the possible degradation of your water supply located at [REDACTED] Warren, Pennsylvania.

On July 17, 2013 and July 23, 2013, the Department collected samples from your home water supply. The samples were submitted to the Department's laboratory in Harrisburg for analysis. The analytical reports for the samples are included.

The sample results indicate that drill cuttings from the drilling of [REDACTED] did contaminate your spring. Test results indicated elevated levels of Aluminum, Arsenic, and Calcium, which is indicative of this type of contamination. However, on July 19, 2013, Dan Anderson from Chestnut Oil cleaned and chlorinated your spring box, removing the drill cuttings. The spring was then retested on July 23, 2013, and the results have shown that the water is essentially back to pre-drill conditions.

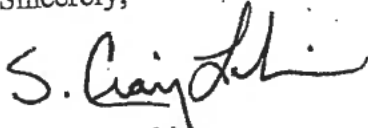
At this time, the Department's investigation indicates that oil and gas well drilling did affect your water supply. However, the contamination has been corrected by the removal of the drill cuttings and the chlorination of the spring. It does not appear that any further treatment is needed.

Please refer to the following documents to assist you with interpreting the sample results:

<http://extension.psu.edu/water/converted-publicaitons/how-to-interpret-a-water-analysis-report>  
[http://www.dep.state.pa.us/dep/deputate/watermgt/WSM/WSM\\_DWM/PA-MCLs\\_05.pdf](http://www.dep.state.pa.us/dep/deputate/watermgt/WSM/WSM_DWM/PA-MCLs_05.pdf)  
<http://water.epa.gov/drink/contaminants/secondarystandards.cfm>

If you have any questions, please contact Rick Mader of my staff at 814.723.0978.

Sincerely,



S. Craig Lobins  
Regional Program Manager  
Northwest Oil and Gas Office

Enclosures: Laboratory Analytical Results

cc: Rich Sheriff/Rick Mader  
Hydrogeologist  
NWRO File

SCL:rm

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