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pennsylvania
DEPARTMENT OF ENVIRONMENTAL
PROTECTION

May 22, 2015

CERTIFIED MAIL NO. [REDACTED]

[REDACTED]

Re: 58 Pa.C.S. § 3218 Determination
Complaint No. 294115
Wilmot Township, Bradford County

Dear [REDACTED]

The Department has investigated the degradation of your home's water supply well at the above referenced address in Wilmot Township, Bradford County, in response to a complaint that gas well drilling activities may have affected your water well. The Department collected multiple water samples from your well. The water sample results indicated that gas well drilling had impacted your water supply, and on March 3, 2013, the Department issued a letter of positive determination describing this impact.

Subsequent to the issuance of the March 3, 2013 determination letter, water samples were collected from your water supply as part of an intensive investigation. The water samples were collected by the Department and a qualified third party, and were submitted to the Department's laboratory and an independent accredited laboratory for analysis. The analytical reports for those samples were previously submitted to you. On April 15, 2015, the Department collected additional samples from your home water supply. The samples were submitted to the Department's laboratory in Harrisburg for analysis. The analytical reports for the April 15, 2015 sampling events are included with documents to assist you with interpreting the sample results. The Department's investigation indicates that the previous impact to your water supply appears to have returned to background conditions.

Based on water quality sample results to date, the Department does not anticipate requiring any further action in relation to this matter. Should you have any questions, please feel free to contact Eric Rooney, P.G. at 570-346-5543.

Sincerely,

Jennifer W. Means
Environmental Program Manager
Eastern Oil and Gas District

Enclosures:
Laboratory Analytical Results
"How to Interpret A Water Analysis Report"



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISTRICT OIL AND GAS OPERATIONS

March 25, 2013

[REDACTED]

Re: 58 Pa.C.S § 3218 Determination
Complaint No. 294115
Wilmot Township, Bradford County

Dear [REDACTED]

The Department has investigated the possible degradation of your water supply well located at [REDACTED] in response to a 1/2/2013 complaint that recent gas well drilling activities may have affected your water supply well. On 1/4/2013 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, as well as documents that will assist you with interpreting the sample results.

The sample results show iron was detected in your water at 5.66 mg/L on 1/4/2013 exceeding the Secondary Maximum Contaminant Level (SMCL) of 0.3 mg/L and manganese was detected in your water at 0.35 mg/L on 1/4/2013 exceeding the SMCL of 0.05 mg/L. Iron was not detected above the laboratory detection limits in your water during the pre-drilling sampling while manganese was detected at 0.018 mg/L. In addition, aluminum was detected in your water at 4.62 mg/L on 1/4/2013 exceeding the secondary maximum contaminant level (SMCL) of 0.2 mg/L. Aluminum was not included in the laboratory analysis during the pre-drilling sampling. SMCLs are guidelines regulating compounds that may cause aesthetic effects (taste, odor, color) in drinking water.

Because drilling activities occurred at a gas well within two thousand five hundred feet of the your water supply, and the pollution occurred and was reported within one year after completion of the well, under Section 3218 of the Oil and Gas Act (58 Pa C.S. §3218), the gas well operator is presumed to be responsible for the degradation of your water supply. The Department's investigation indicates that your water well has been impacted by gas drilling activity.

The Department is continuing to work to permanently resolve this issue. Should you have any questions concerning this matter, please feel free to contact Eric Rooney, P.G. at 570-346-5543.

Sincerely,

Jennifer W. Means
Environmental Program Manager
Oil and Gas Management

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Laboratory Analytical Results
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