Pennsylvania Department of Environmental Protection
321 North State Street
North Warren, PA 16365
March 10, 2009

Warren District Office

814-723-3273
Fax: 814-723-0964

CERTIFIED MAIL NO. [redacted]

[redacted]

Re: CID NO. 260916
[redacted]
Act 223 Section 208 Determination
Foster Township, McKean County

Dear [redacted]

The Department has investigated, in response to your February 3, 2009 complaint, the possible contamination of your water supply by nearby oil and gas activities.

After reviewing the results of your spring water analysis, the Department has concluded that your water supply was influenced by recent oil & gas well development conducted by US Energy Development Corporation upslope of your spring. The lab analysis of the sample collected on February 3, 2009 indicated levels of Chlorides, Total Dissolved Solids, Calcium, Sodium and Specific Conductivity that were in excess of EPA's drinking water standards. Elevated levels of these parameters are indicative of a dilute brine solution and suggest an infiltration of frac water into the shallow ground water that supplies your spring. Sampling conducted on February 12, 2009 revealed that the quality of your drinking water met the standards established by EPA. During the course of the Department's samplings, there was no detection of Total Petroleum Hydrocarbons in your spring's water.

It was recommended to you during a telephone conversation that your spring and water system be disinfected prior to resuming use of the spring as a potable water supply.

Enclosed are the complete water sample analysis results from both of our samplings. If you have any questions, or if any future issues arise, please contact me at 814-723-3273.

Sincerely,

Brian B. Ayers
Water Quality Specialist
Oil & Gas Management

Enclosures

cc: NWRO
WDO

BBA:br

RECEIVED
MAR 1 8 2009