From: Sgraves@TechLawInc.com
Sent: 2/29/2012 3:39:38 PM

To: "Kelley Chase/R3/USEPA/US@EPA" <Chase.Kelley@epamail.epa.gov>
CC: "Richard Rupert/R3/USEPA/US" <Rupert.Richard@epamail.epa.gov>
Subject: RE: Dimock - Residential Well HW-47

Kelley,
Yes a sample was collected at the pressure tank and at the kitchen sink. I have no records which document the presence of a reverse osmosis unit at the Ex. 6 - Personal Privacy residence (HW-47). The only additional info I have to add, and don't know if they are directly relevant are:

- There is an old well located near the house. This old well was not sampled.
- There was a water softener system in the basement. The "wellhead" sample was collected prior to this water softener system, while the "kitchen tap" sample was collected after this system.
- The residents noted that there is a sulfur smell present during their showers.
- The kitchen tap sample had a lot of effervescence and a slight sulfur odor.
- A propane tank (located outside of the home) was being filled during stabilization of the well.
- There is a small open drain in the basement.

The only reverse osmosis (RO) unit that I have documented is from HW-39 (Ex. 6 - Personal Privacy residence), which was sampled on 2/3/12. It was reported to have a low-flow faucet (1 gal/hour). A total metals sample (HW39-RO) was collected from this location (HW-39).
May I ask where you received the info that led you to believe the Ex. 6 - Personal Privacy family had a RO system?

Suddha Graves
TechLaw, Inc.

From: Kelley Chase [mailto:Chase.Kelley@epamail.epa.gov]
Sent: Wednesday, February 29, 2012 12:34 PM
To: Graves, Suddha
Cc: Richard Rupert
Subject: RE: Dimock - Residential Well HW-47

Hi Suddha -
I will be meeting with the Ex. 6 - Personal Privacy family tomorrow night along with several health professionals from ATSDR to answer questions about the high arsenic results. I wanted to double check a few things with you beforehand. I am guessing you will need to take another look at the sampler's logbook.
I understand that we collected a sample at the kitchen sink and at the pressure tank. Is this correct?
I have recently learned that the home has an reverse osmosis unit. This was not noted at the time of the original survey (which I conducted) or from what I can tell from your earlier e-mail - from the logbook. Is that correct? I want to be sure that I understand whether we collected a sample after the RO unit (if it exists)? It may have been installed to treat only drinking water from a separate low flow faucet (not the kitchen tap).
Thanks !!!
From: "Graves, Suddha" <Sgraves@TechLawInc.com>
To: Kelley Chase/R3/USEPA/US@EPA
Date: 02/15/2012 10:42 AM
Subject: RE: Dimock - Residential Well HW-47

Kelley,
HW47 was sampled on 2/8/12. **Ex. 6 - Personal Privacy**

Dimock. Well is reported to be 450 feet deep, with 178 ft of casing, and it is unknown what the depth of the pump is. Water had a slight sulfur smell and was slightly effervescent. There was a pressure tank and water softener in basement. It was noted that there was sewer gas at the home.
The following screening results were collected:

Wellhead

Alkalinity 193 mg/L
Dissolved Sulfide 0.087 mg/L
Ferrous Iron 2.71 mg/L
Turbidity 1.4 NTU

Kitchen Sink

Alkalinity 194 mg/L
Dissolved Sulfide 0.038 mg/L
Ferrous Iron 0.01 mg/L
Turbidity 0.22 NTU

If you want, I have photos and scanned copies of logbooks and field data sheets.
Thanks,
Suddha Graves
TechLaw, Inc.

From: Kelley Chase [mailto:Chase.Kelley@epamail.epa.gov]
Sent: Wednesday, February 15, 2012 8:44 AM
To: Graves, Suddha
Subject: Dimock - Residential Well HW-47

Hi Suddha -
I am sending this now - so that I don't forget to ask you later.
Based on the preliminary results - we have elevated arsenic (90s ug/L) in the samples collected from HW-47.
From the well survey info collected by EPA we know the following:
- well appox 450' deep, well approx 40 yrs old, original pump
- have a softener and chlorinator (installed in the 70s)
- there are also 2 other wells on the property (one deep which is used for irrigation and one shallow hand dug well)

I would appreciate it if you could check the field logs for any additional information noted by the sample team. It would be helpful if I could get this info by noon.
Thanks - Kelley