

Dear Ms. Knoll:

Your comments have been received and will be placed into the case file for the commission's consideration as it deliberates in this matter. Thank you for your interest.

Andrew Melnykovich
Director of Communications
Kentucky Public Service Commission
(502) 564-3940 x 208

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From: Knoll, Susan [E-MAIL ADDRESS REDACTED]

Sent: Monday, November 26, 2007 12:51 PM
To: Melnykovich, Andrew (PSC)
Subject: PCS Case No. 2007-000134

To Whom It May Concern:

I am requesting that the attached document be entered in the record for the above captioned case: 2007-000134.

Thank you for your attention,
Susan Knoll
Howrey LLP

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Bluestone Geologic

2521 Southview Drive • Lexington, KY 40503
Phone 859.278.2988 • Mobile 859.338.6808

Susan Knoll
Knoll Creek Farm, 2947 Rocky Branch Rd. (KY 1262)
Switzer, KY

April 6, 2007

Re: Knoll Creek Farm Spring

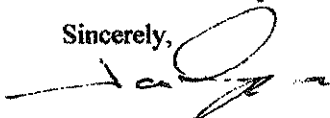
Dear Susan:

I'm concerned after receiving reports of a water line planned to be installed along KY 1262 in front of Knoll Creek Farm. Articles in the local newspaper have mentioned this possibility, and I received a copy of the 'Public Notice' that ran in the Lexington Herald Leader last weekend. This notice states that the Kentucky American Water Company proposes to construct a 42-inch transmission main pipeline along KY 1262, following your farm's northeastern border. My concern is that this line installation will disrupt the spring, collection tank, and housing we completed work on last year.

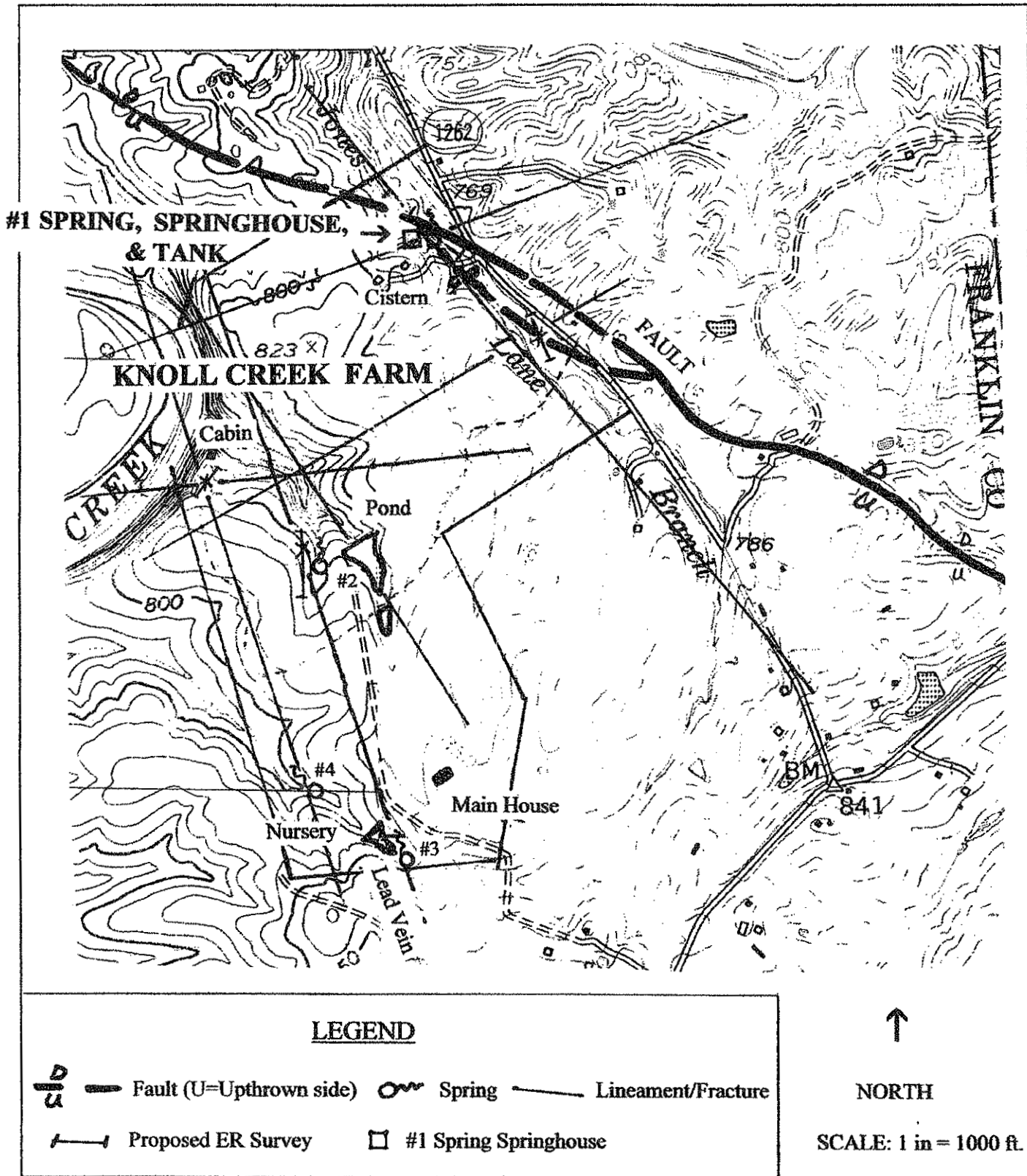
As you know, we just finished work at the #1 spring, located at Latitude: 38°14.739; Longitude: 84°44.900. During 2006 spring and summer we cleaned out & developed the spring, and constructed facilities (springhouse, collection tank, piping, etc.) for you to utilize this water across Knoll Creek to supply your equine operations. The spring is situated along a set of faults mapped by the U.S. Geologic Survey. These two bedrock faults strike NW-SE, crossing along the northern edge of your property, and unfortunately also crossing KY 1262. The proposed water line will have to cut through the faults right next to your spring, since the trench for the pipeline will undoubtedly be cut out or blasted along the roadway. In my experience, this level of disturbance will impair nearby springs, no matter which side of KY 1262 the line's installed along, or if placed directly beneath the roadway. I expect both the quantity and the quality will be impacted at #1 spring, since it discharges from and appears to follow along this same set of faults. The structure and foundations of our concrete and block facilities could also be damaged by KY American's line installation.

The U.S.G.S. Midway Geologic Quadrangle shows how KY American's pipeline will cross the faults less than 300 feet from #1 spring, and a second crossing only ¼ mile further down (SE) KY 1262 (see attached map). Both pipeline trench excavations will have to cut into the surface-exposed fault here along the roadway, given the shallow depth of bedrock and the size of this pipeline. The faults appear to direct groundwater flow to #1 spring, which is typical in this area of Kentucky where faults act as both groundwater flow paths and as water source for springs like your #1. In my professional opinion, the pipeline construction could reduce water flow and quality of #1. Damage to your spring appears unavoidable since the proposed pipeline would cross next to and up gradient of the #1 spring outlet (see map). As a result, all our efforts and expense at this valuable water source could be lost.

Sincerely,



Tom Dugan, KY Professional Geologist #0928



MAP 1. TOPOGRAPHIC MAP – KNOLL CREEK FARM
 from portions of Frankfort East (left) & Midway Topographic Quadrangles