

Kevin R. Moses
Crit E. Moses
K. Amos Moses



IGSHPA Certified
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July 24, 2013

Attn: Chris Reeves
CMTA Consulting Engineers, Inc.

Re: Test Holes for Council of State Governments ~ Lexington, Kentucky
CMTA Project #: CSG13

The bore logs for the test holes on this project are described below. If we can be of further assistance, please advise. The drill start and completion date was July 16, 2013. The conductivity test was performed on July 21-23, 2013.

Hole #1 (Conductivity Test Performed on this Hole):

0-10'	Brown Dirt
10'-256'	Medium Hard Grey Limestone
256'-258'	Green Bentonite
258'-300'	Medium Hard Grey Limestone

Hole #2:

0-13'	Brown Dirt
13'-244'	Medium Hard Grey Limestone
244'-245'	Green Bentonite
245'-257'	Medium Hard Grey Limestone
257'-260'	Soft Grey Limestone Dampness and Traces of Gas
260'-300'	Medium Hard Grey Limestone

Notes:

Test hole #1 was drilled with a 2011 Schramm T-450WS tophead air rotary drill with 1050/350 air.
Test hole #2 was drilled with a 2006 Schramm T-450WS tophead air rotary drill with 900/350 air.

Test hole #1:

G.P.S. Coordinates: N 38° 08' 09.2" W 084° 30' 17.6"

1" x 610' SDR-11 Drisco unicoil loop installed.

No caves, crevices, voids, water or gas was encountered.

Borehole backfilled with enhanced bentonite grout.

Borehole diameter was 4½".

Hammer time on this borehole was 1 hour and 38 minutes.

Test hole #2:

G.P.S. Coordinates: N 38° 08' 08.1" W 084° 30' 19.3"

1" x 610' SDR-11 Drisco uncoil loop installed.

No caves, crevices or voids were encountered.

Dampness and only a small trace of gas was encountered at 257'.

Borehole backfilled with enhanced bentonite grout.

Borehole diameter was 4½".

Hammer time on this borehole was 1 hour and 44 minutes.

Sincerely,

A handwritten signature in black ink, appearing to read 'K. Amos Moses', with a long horizontal flourish extending to the right.

K. Amos Moses
Moses Drilling Company