



Ted Wynne Engineering/Contractor, Inc.

417 WELSHWOOD DRIVE • SUITE 114 • NASHVILLE, TN 37211
PHONE: 615- 331-7660 • FAX: 615- 333-0764

September 19, 2000

Mr. William D. Stalker
Market Manager of Large
Commercial Products & Services
Tennessee Valley Authority
535 Marriott Drive, HRT108-401
Nashville, Tennessee 37214

Re: Station Camp Road
Hendersonville, Tennessee

This office performed a thermal conductivity test on one (1) 200 feet deep, 6 inch diameter vertical bore, backfilled with drilled tailings, Dec. 15, 1998. The following data was derived from test data:

Thermal Conductivity	1.45 BTU/HR-F
Ground Temperature	57.0 F

We feel that based on our observation of the terrain, the above is representative of the area where a field of Vertical Heat Exchangers will be located for this project.

The driller's logs are enclosed herewith. According to the Driller's Log submitted to our office the bore hole penetrated more than one water source, thus our office recommends that any future holes drilled should be Grouted to prevent transfer of water from one elevation to another.

Please let us know if any additional information is needed.

Sincerely,

TED WYNNE ENGINEERING CONTRACTORS, INC.

Ted Wynne, P.E.

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MILLER DRILLING COMPANY

WELL LOG

WELL NAME TVA Loop-Tech Hole-#2 PHONE _____ DATE 11-18-98
 ADDRESS Hendersonville COUNTY _____
 ROAD _____ MILES _____ FROM _____
 DRILLING PRICE _____ CASING TYPE _____ PRICE _____
 START DRILLING 11-18-98 DRILLER David G. SALESMAN _____
 COMPLETE DRILLING 11-18-98 RIG 374 WATER LEVEL _____
 TOTAL DEPTH 200 FT DEPTH TO ROCK 9 FT REAMED TO 14 FT
 CASING SET 15 FT TYPE & SIZE 6 5/8 PERF. FROM _____ TO _____
 TOTAL YIELD 20 GPM WATER ZONES 103-104 WATER QUAT. SULFUR
 ROLLER BIT TYPE _____ ROCK BIT TYPE _____ STATE LOG # _____

DEPTH	FORMATION
0-9	Chirty Red clay
9-103	Med Gray limestone (soft)
103-104	Broken void
104-109	Med Gray limestone (soft)
109-200	Light Gray limestone
Set 200 FT	Loop

(TEST BORE)