Ted Wynne Engineering/Contractor, Inc.

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

March 23, 2000

Mr. Bill Stalker
Tennessee Valley Authority
P.O. Box 292409, Bldg 1, Suite 300
565 Marriott Drive
Nashville, Tennessee 37229-2409

Re: Fort Pillow Prison
Fort Pillow, Tennessee

This office performed a thermal conductivity test on one (1) 200 feet deep, 6 inch diameter vertical bore, backfilled with drilled tailings, March 21, 2000. The following data was derived from test data:

Thermal Conductivity	1.5 BTU/HR-F
Ground Temperature	60.3 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 that 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.

jh

THEODORE E. WYNNE
REGISTERED ENGINEER
NO. 8475
STATE OF TENN.

3-24-00

E-MAIL: twecinc@bellsouth.net *WEB SITE: www.twecinc.net*

PARKER & JACKSON, INC.

Well Drilling - Pumps - Satellites
92 GREENFIELD HWY.
BRADFORD, TN 38316
Phone: (901) 742-3320/3327 749-5473
TOLL FREE 1-800-467-3320

SOLD BY

DATE 3-13-00

NAME Fort Pillow JOB

ADDRESS

PHONE

CITY

QUAN.		DESCRIPTION	PRICE	AMOUNT
200ft		Closed Loop Holes		
	2			
	3			
	4			
	5			
	6			
	7	0 – 3 TopSoil		
	8	3 – 25 Brown clay		
	9	25 – 70 clay + Sand		
	10	70 – 90 Sand		
	11	90 – 150 Sand + Pebble clay		
	12	150 – 200 clay		
	13			
	14	EID 621145988		
	15			TOTAL
	16			

RECEIVED BY

№ 41366 *Thank You*