**UCB-BYU-UCLA ZETAS-SaU-METU**  Project Name: CPT Liquefaction Investigations, Adapazari, Turkey

Location: 1.5 m south of CPT-4-22

Date: July 20, 2000

Field Log by: M. Bora Baturay

Operator: ZETAS (Zemin Teknolojisi, A. S.) Sponsored by:

NSF, Caltrans CEC, PG&E

Joint Research

Drilling Method: Rotary wash with 9 cm-diameter tricone bit

Water Table Elevation: Not measured

Notes:

Test ID: SPT-4-22

GPS Coordinates: 40.76464°N 30.40897°E

Elevation: 29.511 m

Drilling Equipment: Custom made, equivalent to Crealius XC90H Responsible Engineers: J. D. Bray and R. B. Sancio, U. C. Berkeley SPT System: Rope, pulley and cathead method. AWJ rods.

Hammer Type: Safety Hammer (per Kovacs et al. 1983)

Notes:																				
Depth Scale (m)	Lithology	NSCS	Sample Type and No.	Recovery/ Length (cm)	SPT Blows/15 cm	Casing Depth (m)	Rod Length (m)	Energy Ratio (%)	Description	qu Pocket Pen (kPa)	<sup>S</sup> u Torvane (kPa)	Moisture Content (%)	Liquid Limit	Plasticity Index	% fines < 75 µm	< 5 µm (%)	< 2 µm (%)	D50 (mm)	D10 (mm)	Remarks
$\mathbb{F}^0$									Fill											
- - 1 -		CH/CL CH	S-4-22-1A S-4-22-1B	33/45	2-1-3	0.85	4.27		CH: Gray to brown high plasticity silty clay	1.60 1.65	52	40 38	50 55	28 32	97 99	53 55	46 44	0.004 0.004	<1µm <1µm	
-2			S-4-22-2	0/45	2-2-2	1.65	5.80		SILT AND SAND: Brown silty sand to sandy silt grading to low plasticity silt with fine sand											
-3		ML ML	S-4-22-3A S-4-22-3B	44/45	2-2-2	2.55	5.80					29 35	25 32	-	54 89	15 20	10 17	0.062 0.024	0.002 <2µm	Sand catcher was used
- - - 4		СН	S-4-22-4	43/45	2-1-2	3.55	7.32		SILTY CLAY: Brown, grading to gray interbedded strata of silty clay and clayey silt	85	40	41	55	28	100	50	38	0.005	<1µm	Sand catcher was used
- - -5		ML	S-4-22-5	44/45	2-1-2	4.65	8.84			110	29	38	34	-	97	26	23	0.018	<1µm	Sand catcher was used
- -6		ML/CL ML	S-4-22-6A S-4-22-6B	40/45	2-2-2	5.65	10.37		SANDY SILT: Gray sandy silt	70	23	32 40	41 39	15 -	99 99	54 31	39 26	0.004 0.013	<1µm <1µm	Sand catcher was used
- - -7 -		ML	S-4-22-7	33/45	6-8-6	6.65	10.37		to silty fine sand			29	36	-	54	16	14	0.063	<2µm	Sand catcher was used
- -8 -		CH CH	S-4-22-8A S-4-22-8B	42/45	2-2-3	7.95	11.89		CH: Gray high plasticity silty clay interspersed with some brown clay seads. Traces of	90 120	65 67	39 40	57 64	33 40	100 100	60 75	45 56	0.003 0.001	<1µm <1µm	Sand catcher was used
-9 -		СН	S-4-22-9	31/45	2-3-5	8.95	11.89		shells and wood chips	160	57	43	65	38	99	81	64	<2µm		Sand catcher was used