

# BORING LOG



**FROEHLING & ROBERTSON, INC.**  
 FULL SERVICE LABORATORIES • ENGINEERS & CHEMISTS  
 "OVER ONE HUNDRED YEARS OF SERVICE"

Report No. **Q-73-329** *PC33-70* DATE **November 9, 1989**

Client: **Allied Terminals** *4276251.71 446139.51*  
 Project: **Allied Terminal Expansion - Seaford, Delaware**  
 Boring No.: **B-4** Total Depth: **30.5-ft** Elevation: **INA** Location: **Lower Terminal**  
 Type of Boring: **Hollow Stem** Started: **10-25-89** Completed: **10-28-89** Driller: **Eddie**

Elevation	Depth	DESCRIPTION OF MATERIALS (Classification)	Sample Blows	Sample Depth (Feet)	PID	REMARKS
	0.0		4		4	<u>GROUNDWATER DATA</u> Ground water level at 1-foot upon completion
		Dark brown, wet, loose, fine to med. SAND with a little silt and trace clay, fine gravel and organic material. (SM)	4-4	1.5		
			4		3	* and organic material (SP-SM)
			4-4	6.0		
6.5		Tan, wet, med. dense, fine to coarse SAND with a trace silt, fine gravel*	8		1	Test boring located in the field by the client.
8.5			6-6	8.5		
		Light brown to light gray to orange, wet, loose to med. dense, fine to med SAND with a little silt and trace clay. (SM)	3		.5	[4] - PID field
			2-4	10.0		headspace, ppm units
			5		0	
			7-12	15.5		
17.0		Light brown, wet, dense, fine to med. SAND with a trace silt (SP-SM)				
			12		1	
			18-17	20.5		
22.0		Orange to light gray, wet, dense, fine SAND with a little silt. (SM)			.5	
			12			
			15-17	25.5		
				25.5		
30.5		Boring terminated at 30.5-ft			0	
			15			
			18-26	30.5		

of blows req'd. for a 140 lb. hammer dropping 30 in. to drive 2 in O.D., 1.375 in. I.D. sampler a total of 18 inches in three 6 in. increments. The sum of the last two increments of penetration is termed the standard penetration resistance. N. Scale 1"=5' unless otherwise noted.