

Pore Pressure Dissipation Summary and Pore Pressure Dissipation Plots



Job No: 22-56-23878
Client: Fugro
Project: Laney College CUP Building
Start Date: 23-Mar-2022
End Date: 23-Mar-2022

CPT_u PORE PRESSURE DISSIPATION SUMMARY

Sounding ID	File Name	Cone Area (cm ²)	Duration (s)	Test Depth (ft)	Equilibrium Pore Pressure U _{eq} (ft)	Estimated Equilibrium Pore Pressure U _{eq} (ft)	Calculated Phreatic Surface (ft)	t ₅₀ ¹ (s)	Assumed Rigidity Index (Ir)	ch ² (cm ² /min)
CPT22-12	22-56-23878_CP12	15	180	16.73	6.4		10.4			
CPT22-14	22-56-23878_CP14	15	210	22.47	Not Achieved	10.8	11.7	41	100	17.28
CPT22-14	22-56-23878_CP14	15	360	22.97	11.3		11.7			
CPT22-14	22-56-23878_CP14	15	200	52.00	Not Achieved					

1. Time is relative to where umax occurred.

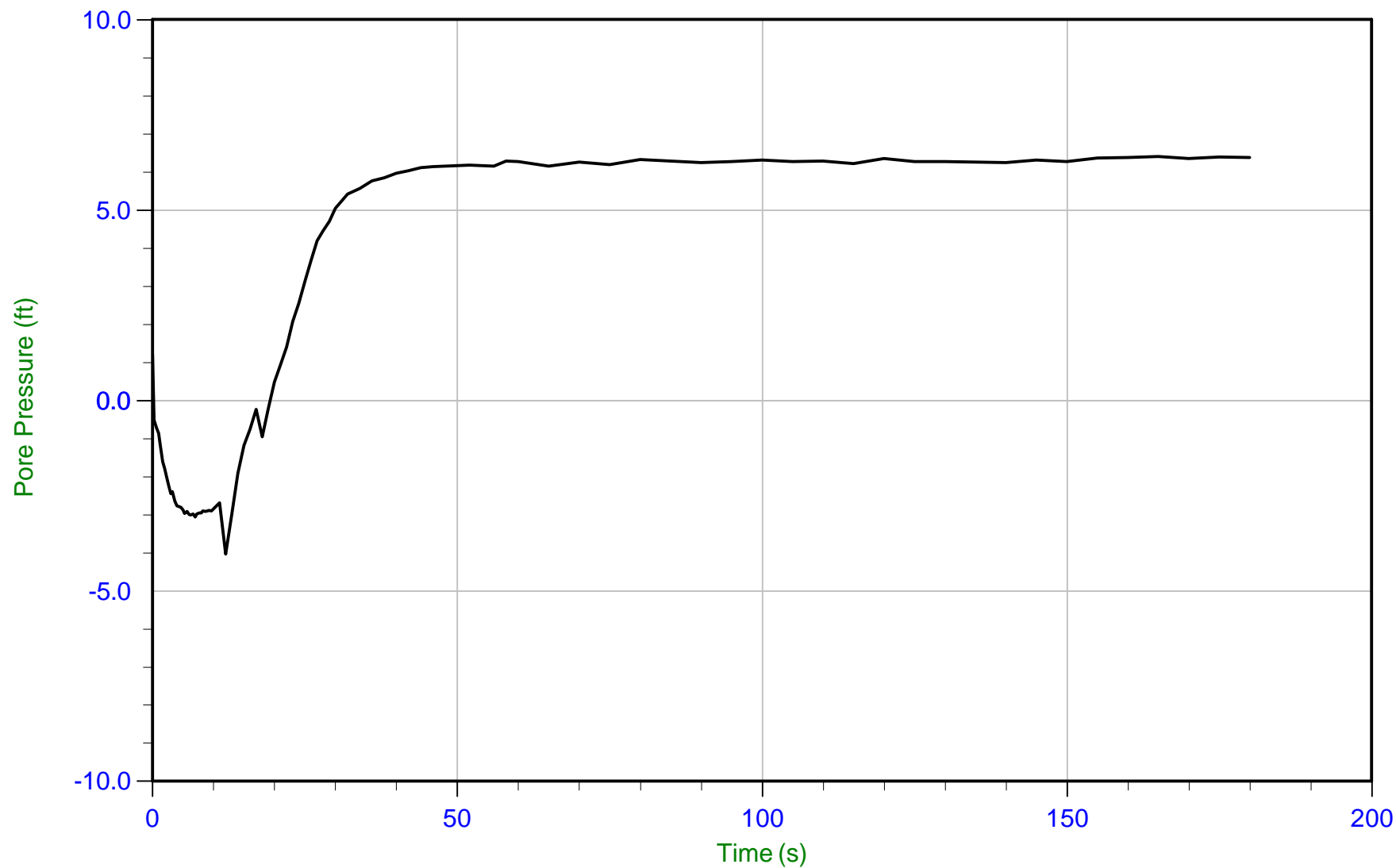
2. Houlsby and Teh, 1991.



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Job No: 22-56-23878
Date: 03/23/2022 08:26
Site: Laney College CUP Building

Sounding: CPT22-12
Cone: 813:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 22-56-23878_CP12.PPF
Depth: 5.100 m / 16.732 ft
Duration: 180.0 s

u Min: -4.0 ft
u Max: 6.4 ft
u Final: 6.4 ft

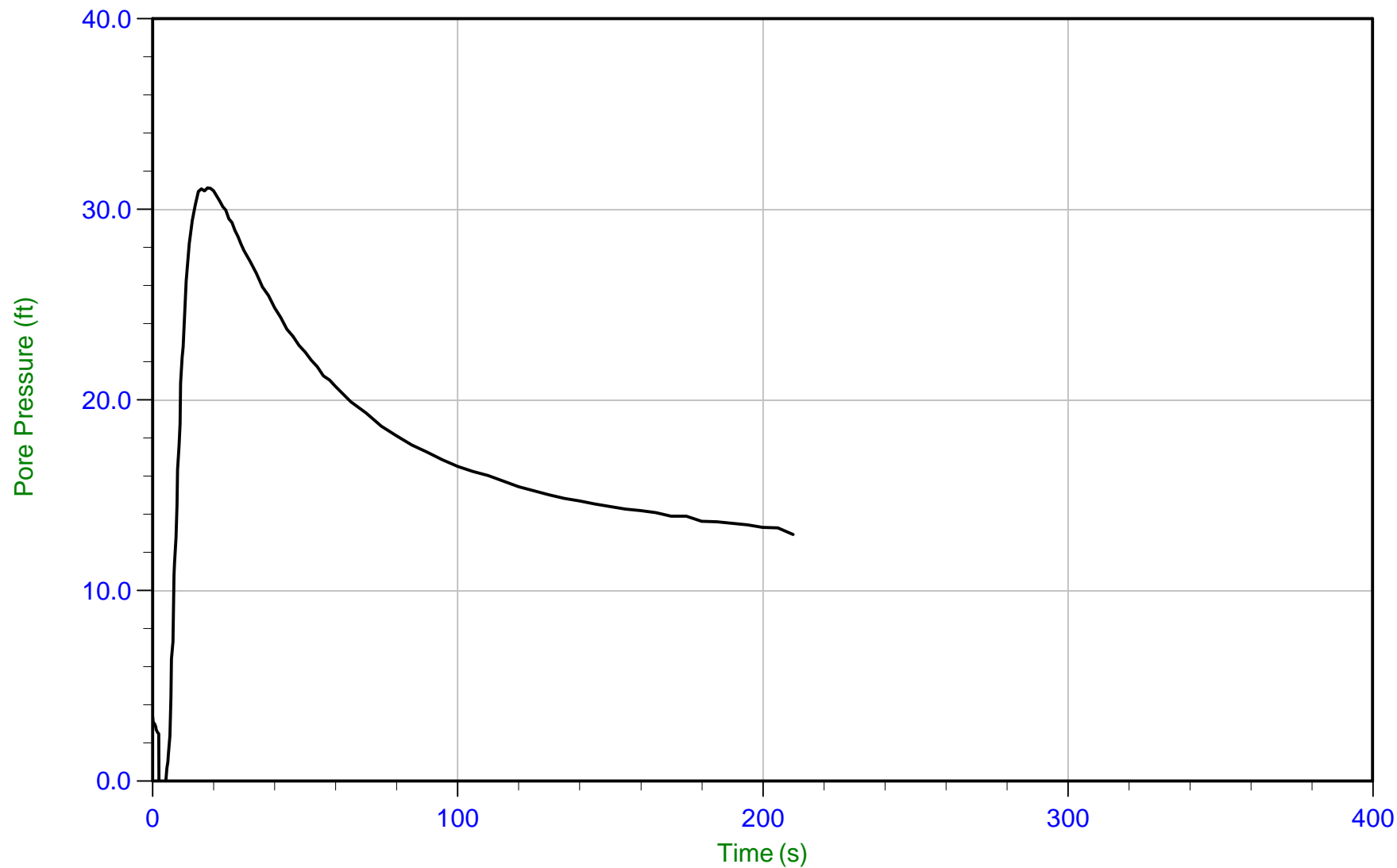
WT: 3.159 m / 10.364 ft
Ueq: 6.4 ft



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Job No: 22-56-23878
Date: 03/23/2022 09:55
Site: Laney College CUP Building

Sounding: CPT22-14
Cone: 813:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 22-56-23878_CP14.PPF
Depth: 6.850 m / 22.473 ft
Duration: 210.0 s

u Min: -3.6 ft
u Max: 31.1 ft
u Final: 12.9 ft

WT: 3.567 m / 11.703 ft
Ueq: 10.8 ft
U(50): 20.95 ft

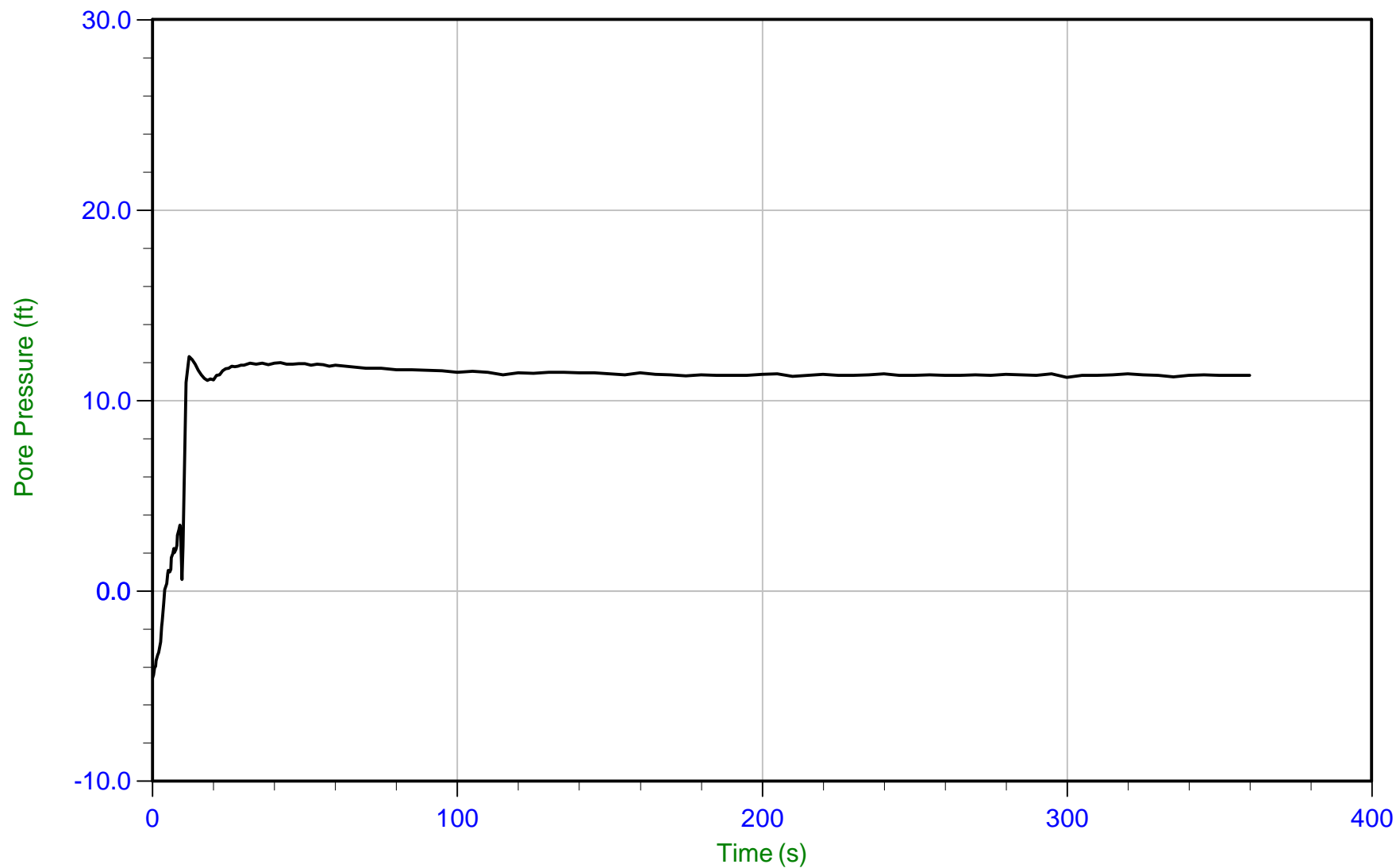
T(50): 40.6 s
Ir: 100
Ch: 17.3 cm²/min



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Job No: 22-56-23878
Date: 03/23/2022 09:55
Site: Laney College CUP Building

Sounding: CPT22-14
Cone: 813:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 22-56-23878_CP14.PPF
Depth: 7.000 m / 22.966 ft
Duration: 360.0 s

u Min: -4.6 ft
u Max: 12.3 ft
u Final: 11.3 ft

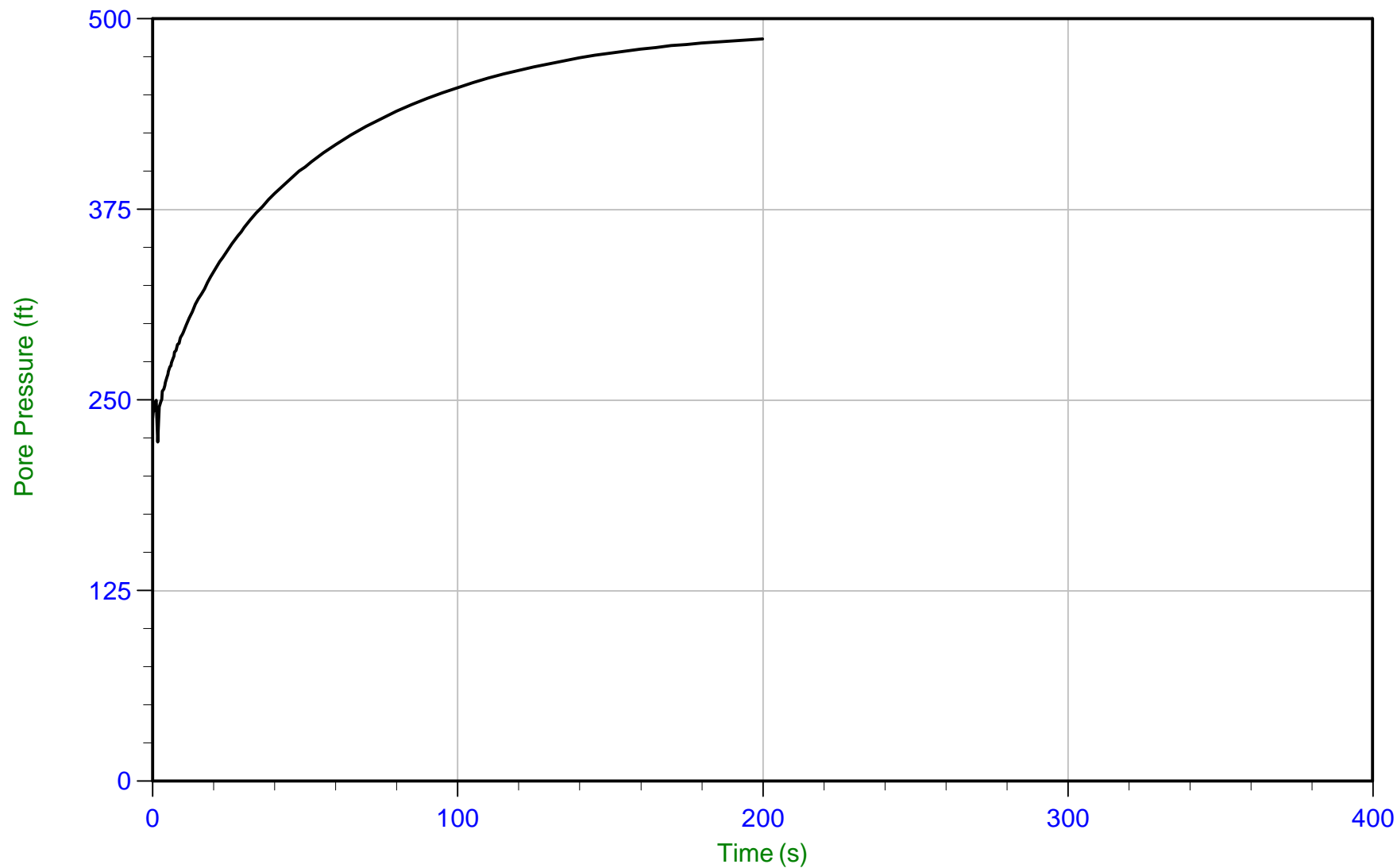
WT: 3.567 m / 11.703 ft
Ueq: 11.3 ft



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Job No: 22-56-23878
Date: 03/23/2022 09:55
Site: Laney College CUP Building

Sounding: CPT22-14
Cone: 813:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 22-56-23878_CP14.PPF
Depth: 15.850 m / 52.001 ft
Duration: 200.0 s

u Min: 222.5 ft
u Max: 486.8 ft
u Final: 486.8 ft