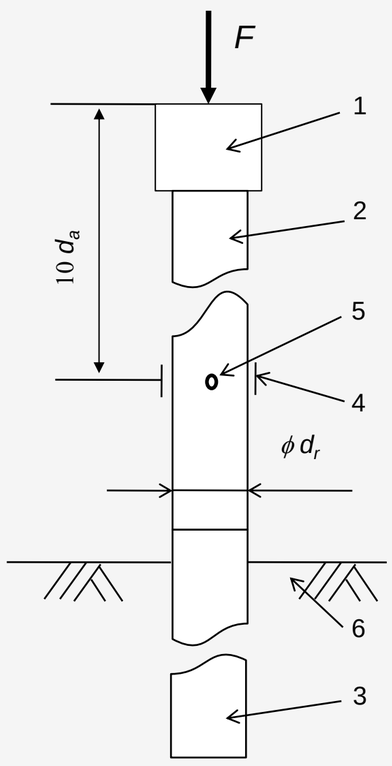
SPT Calibration Report

Hammer Energy Measurement Report

Type of Hammer		PREMIER
Test No		EQU2318
Client		OAKLAND SITE INVESTIGATION
Test Depth (m)		10.50
Mass of hammer	m =	63.5kg
Falling height	h =	0.76m
E_{theor} =	$m \times g \times h$ =	473J

Characteristics of the instrumented rod

Diameter	d_r =	0.052 m
Length of instrumented rod		0.558 m
Area	A =	11.61 cm²
Modulus	E_a =	206843 MPa



Key

1 Anvil
2 Part of instrumented rod
3 Drive Rod
4 Strain Gauge
5 Accelerometer
6 Ground

F Force
d_r Diameter of rod

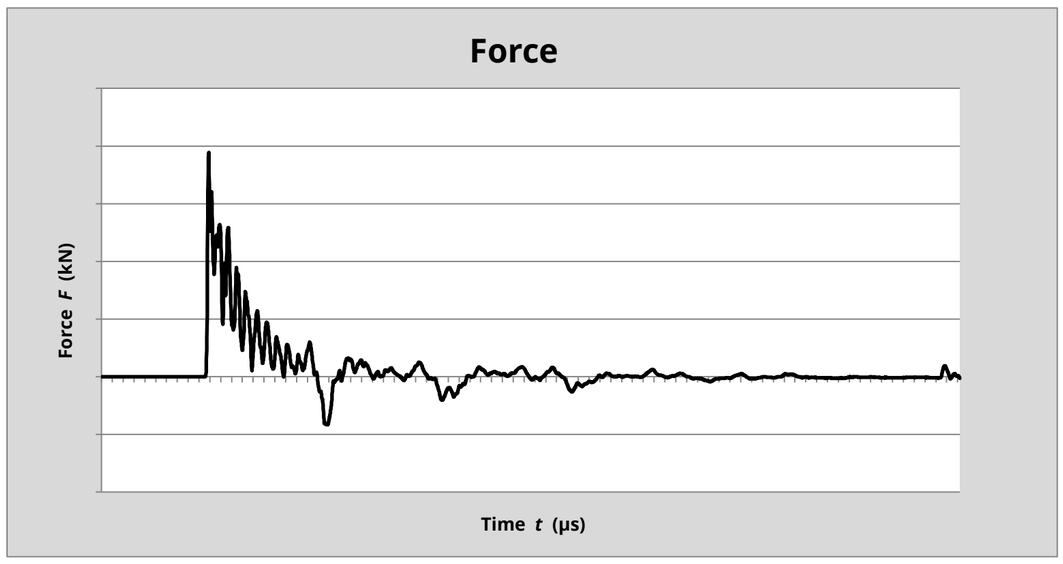
Fig. B.1 and B.2
BS EN ISO 22476-3 : 2005 + A1 : 2011

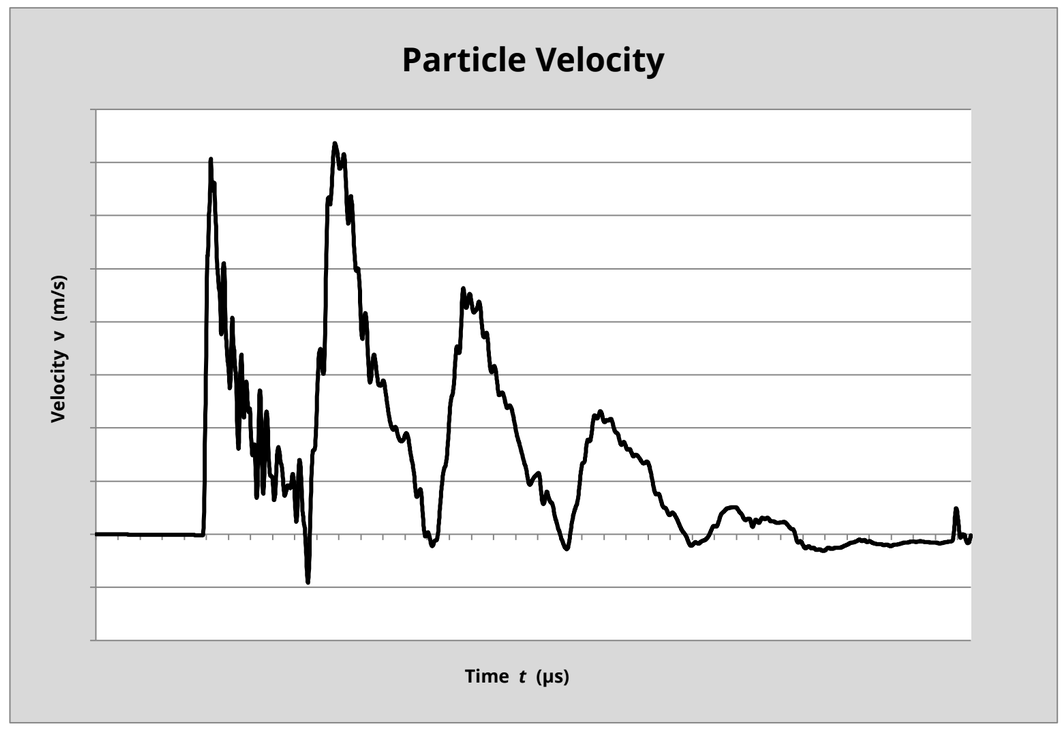
DATE OF TEST	VALID UNTIL	HAMMER ID
05/04/2019	04/04/2020	110-31

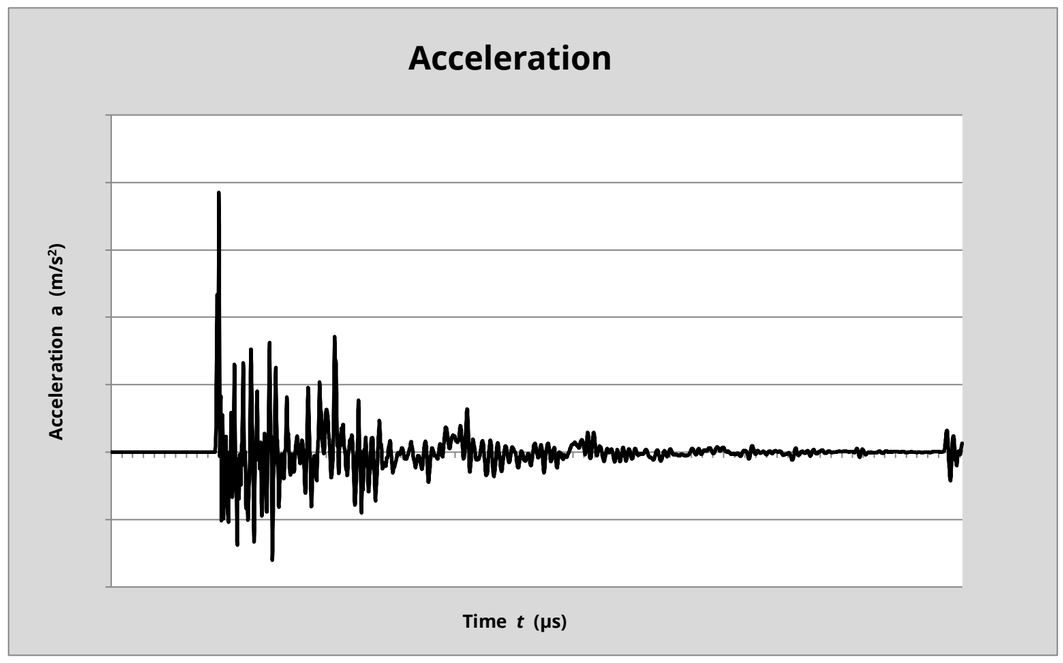
Observations:
1.

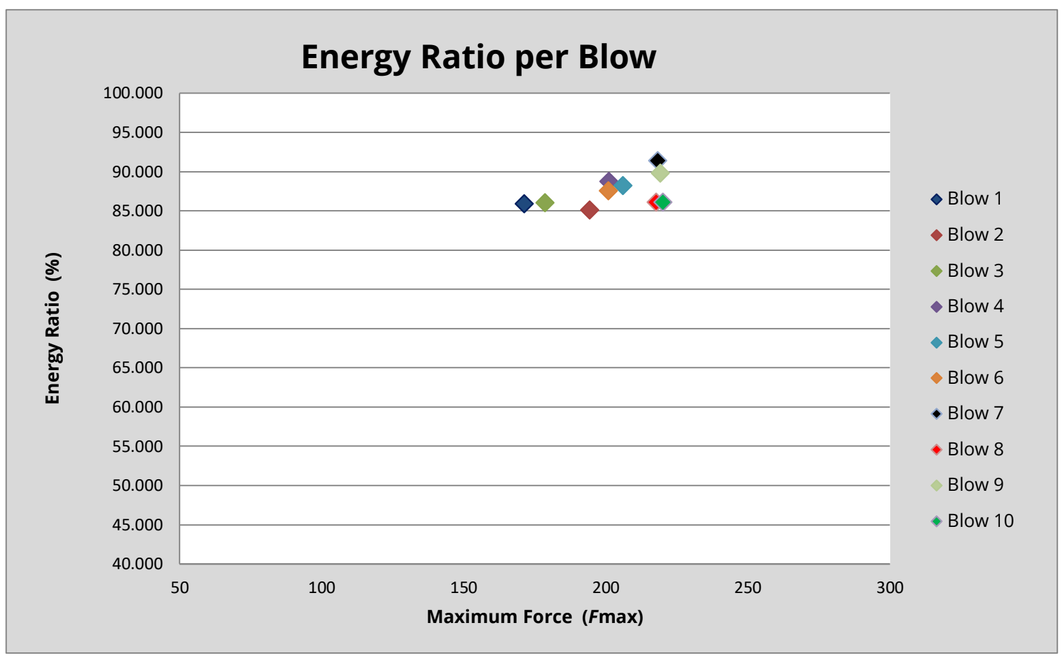
E_{meas} = **0.412** kN-m

E_{theor} = **0.473** kN-m









Energy Ratio (Er) = $\frac{E_{meas}}{E_{theor}}$ = **87.20%**

Equipe SPT Analyzer Operator	Certificate prepared by	Certificate checked by	Certificate date
AF	17/04/2019	17/04/2019	**17/04/2019**

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