



VELOCITY DATA PTY LTD

WELL SURVEY CALCULATIONS Page 2

Company : BEACH PETROLEUM N.L.
 Well : IONA #1
 Elevations : Datum : 0.0 Ground : 126.5 Kelly : 131.4
 Shot data : Location Elevation Offset
 A 126.5 13.0
 B 126.2 22.0
 C 126.2 32.0
 D 125.5 24.0

Latitude : 038 34 30.46 S
 Longitude : 143 01 57.33 E

Survey date : 18-MAR-88
 Survey units : METRES
 Times in milliseconds.

Rig identification : GEARHART #2
 Energy source : AN-60
 Logger : GEARHART
 Near surface velocity
 for shot statics: 750
 Instrument delay: 4.0 ms

SHOT CALCULATIONS

Shot No	Geophone depth		Shot Locn	Shot Depth	TIMES				Check shot interval		Velocities		
	Kelly -- Datum				Record	Corr.	Avg.	Below datum	Distance --	Time	Average --	RMS --	Interval
11	1298.0	1166.6	D	1.5	566.5	569.7	569.7	485.7			2401.9	2427.3	
2	1310.9	1179.5	D	1.5	570.5	573.7			12.9	4.3			3000.0
9	1310.9	1179.5	D	1.5	571.0	574.2	574.0	490.0			2407.1	2433.0	
8	1326.8	1195.4	D	1.5	577.0	580.2	580.2	496.2	15.9	6.2	2409.1	2434.6	2564.5
7	1377.1	1245.7	D	1.5	593.5	596.7	596.7	512.7	50.3	16.5	2429.7	2456.8	3048.5
6	1409.1	1277.7	D	1.5	603.5	606.7	606.7	522.7	32.0	10.0	2444.4	2473.1	3200.0
5	1456.9	1325.5	D	1.5	619.5	622.7	622.7	538.7	47.8	16.0	2460.6	2489.9	2987.5
4	1488.0	1356.6	D	1.5	627.5	630.8	630.8	546.8	31.1	8.1	2481.0	2515.2	3839.5