



VELOCITY DATA PTY LTD

WELL SURVEY CALCULATIONS Page 1

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

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

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
DUM (SEA LEVEL)													
27	131.4	0.0	D	1.5	83.0	84.9							
28	131.4	0.0	A	0.9	82.0	82.8							
29	131.4	0.0	B	0.9	84.0	84.4							
30	131.4	0.0	C	0.9	85.0	84.1	84.0	0.0					
26	243.5	112.1	D	1.5	143.0	145.6	145.6	61.6	112.1	61.6	1819.8	1819.8	1819.8
25	281.9	150.5	D	1.5	163.0	165.7	165.7	81.7	38.4	20.1	1842.1	1842.5	1910.4
24	335.0	203.6	D	1.5	187.0	189.8	189.8	105.8	53.1	24.1	1924.4	1930.6	2203.3
23	481.3	349.9	D	1.5	254.5	257.5	257.5	173.5	146.3	67.7	2016.7	2023.7	2161.0
22	545.0	413.6	D	1.5	282.0	285.1	285.1	201.1	63.7	27.6	2056.7	2065.0	2308.0
21	609.9	478.5	D	1.5	308.0	311.1	311.1	227.1	64.9	26.0	2107.0	2118.8	2496.2
20	659.9	528.5	D	1.5	326.0	329.1	329.1	245.1	50.0	18.0	2156.3	2174.0	2777.8
19	874.0	742.6	D	1.5	409.0	412.2	413.2	329.2	214.1	84.1	2156.3	2174.0	2545.8
18	916.5	785.1	D	1.5	426.0	429.2	429.2	345.2	42.5	16.0	2255.8	2274.8	2656.2
17	972.9	841.5	D	1.5	449.0	452.2	452.2	368.2	56.4	23.0	2274.3	2293.9	2452.2
16	1068.0	936.6	D	1.5	483.0	486.2	486.2	402.2	95.1	34.0	2285.4	2304.1	2797.1
15	1138.1	1006.7	D	1.5	507.0	510.2	510.2	426.2	70.1	24.0	2328.7	2349.7	2920.8
14	1235.0	1103.6	D	1.5	543.0	546.2	546.2	462.2	96.9	36.0	2362.0	2385.5	2691.7
13	1275.0	1143.6	D	1.5	560.0	563.2	563.2	479.2	40.0	17.0	2387.7	2410.8	2352.9
12	1275.0	1143.6	D	1.5	560.0	563.2	563.2	479.2			2386.5	2408.7	
11	1298.0	1166.6	D	1.5	566.5	569.7	569.7	485.7	23.0	6.5	2401.9	2427.3	3538.5