



VELOCITY DATA PTY LTD

WELL SURVEY CALCULATIONS Page 1

Company : BEACH PETROLEUM N. L.
 Well : CALISTA #1
 Elevations : Datum : 0.0 Ground : 77.0 Kelly : 81.9
 Shot data : Location Elevation Offset
 A 77.0 12.0
 B 77.0 24.0
 C 77.0 36.0
 D 75.8 22.0

Latitude : 038 28 00
 Longitude : 142 50 13
 Rig identification : GEARHART RIG 2
 Energy source : AN-60
 Logger : GEARHART
 Near surface velocity
 for shot statics: 750
 Instrument delay: 4.0 ms

Survey date : 06-APR-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	
DATUM														
	81.9	0.0					45.6	0.0						
28	82.0	0.1	D	1.2	44.0	45.6	N/U		94.9	46.9			2023.5	
29	82.0	0.1	A	0.9	45.0	45.7	N/U							
30	82.0	0.1	B	0.9	46.0	45.3	N/U							
31	82.0	0.1	C	0.9	49.0	45.9	N/U							
26	176.8	94.9	D	1.2	90.0	92.5		92.5	46.9			2023.5	2023.5	
25	299.0	217.1	D	1.2	155.5	158.3		158.3	112.7	122.2	65.8	1926.4	1928.1	1857.1
24	502.0	420.1	D	1.2	257.5	260.4		260.4	214.8	203.0	102.1	1955.8	1956.9	1988.2
23	545.9	464.0	D	1.2	275.5	278.5		278.5	232.9	43.9	18.1	1955.8	1956.9	2425.4
22	630.9	549.0	D	1.2	312.0	315.0	N/U			153.9	59.5	1992.3	1997.3	2586.6
21	699.8	617.9	D	1.2	335.0	338.0		338.0	292.4			2113.2	2130.4	
20	801.0	719.1	D	1.5	375.0	378.5		378.5	332.9	101.2	40.5	2160.1	2178.6	2498.8
19	876.0	794.1	D	1.5	403.0	406.5		406.5	360.9	75.0	28.0	2200.3	2221.4	2678.6
1	919.9	838.0	D	1.2	419.0	422.1				43.9	16.3			2693.3
17	919.9	838.0	D	1.5	420.0	423.5		422.8	377.2			2221.6	2243.8	
16	954.9	873.0	D	1.5	431.5	435.0		435.0	389.4	35.0	12.2	2241.9	2266.0	2868.9
15	1072.9	991.0	D	1.5	475.5	479.0		479.0	433.4	118.0	44.0	2286.6	2311.7	2681.8
14	1157.0	1075.1	D	1.5	504.5	508.0		508.0	462.4	84.1	29.0	2325.0	2352.9	2900.0
13	1261.9	1180.0	D	1.5	543.0	546.5		546.5	500.9	104.9	38.5	2355.8	2383.5	2724.7
12	1368.9	1287.0	D	1.5	580.0	583.5		583.5	537.9	107.0	37.0	2392.6	2421.9	2891.9