

VELSEIS PTY LTD

WELL SURVEY CALCULATIONS Page 1

Company : GAS A& FUEL EXPLORATION N/L
 Well : NALANGIL #1
 Elevations : Datum : 150.0 Ground : 143.0 Kelly : 146.1
 Shot data : Location Elevation Offset
 A 142.5 8.0
 B 141.0 22.0
 C 142.5 17.5

Latitude : 038 21 40
 Longitude : 143 26 17

Survey date : 07-AUG-90
 Survey units : METRES
 Times in milliseconds.

Rig identification : FLETCHER
 Energy source : AN60
 Logger : BPB
 Near surface velocity
 for shot statics: 1200
 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
DATUM													
	-3.9	0.0					-0.5	0.0					
27	21.0	24.9	B	2.0	13.0	12.1	12.1	12.6	24.9	12.6	1976.2	1976.2	1976.2
26	35.0	38.9	B	2.0	20.0	19.9	N/U		29.0	14.8			1959.5
25	50.0	53.9	B	2.0	26.0	26.9	26.9	27.4			1967.2	1967.2	
2	64.0	67.9	B	2.0	36.0	37.2	N/U		19.0	12.5			1520.0
24	69.0	72.9	B	2.0	38.0	39.4	39.4	39.9			1827.1	1838.8	
23	81.0	84.9	B	2.0	47.0	48.5	N/U		36.0	17.7			2033.9
22	105.0	108.9	B	2.0	55.0	57.1	57.1	57.6			1890.6	1900.9	
21	130.0	133.9	B	2.0	71.0	73.3	73.3	73.8	25.0	16.2	1814.4	1828.4	1543.2
20	146.0	149.9	B	2.0	79.0	81.4	N/U		16.1	10.5			1533.3
3	146.1	150.0	B	2.0	84.0	86.3							
4	146.1	150.0	A	0.5	82.0	82.7							
5	146.1	150.0	C	0.5	82.0	82.2	83.8	84.3			1779.4	1794.3	
19	150.0	153.9	B	2.0	84.0	86.4	86.4	86.9	3.9	2.6			1500.0
18	167.0	170.9	B	2.0	94.0	96.5	96.5	97.0	17.0	10.1	1771.0	1786.2	1683.2
17	192.0	195.9	B	2.0	107.0	109.6	109.6	110.1	25.0	13.1	1761.9	1775.7	1908.4
16	222.0	225.9	B	2.0	123.0	125.7	125.7	126.2	30.0	16.1	1779.3	1792.0	1863.4
15	240.0	243.9	B	2.0	131.5	134.3	134.3	134.8	18.0	8.6	1790.0	1801.3	2093.0
											1809.3	1821.3	