VELSEIS PTY LTD

DEPT. NAT. RES & ENV
PE906771

WELL SURVEY CALCULATIONS Page 5

Company : GAS A& FUEL EXPLORATION N/L
Well : NALANGIL #1
Elevations : Datum : 150.0 Ground : 143.0 Kelly : 146.1

Latitude : 038 21 40
Longitude : 143 26 17

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

SONIC CALIBRATION

	Geophone depth Kelly	Geophone depth Datum	Interval Distance	Original sonic times Interval	Original sonic times Cumulative	Adjusted sonic times Interval	Adjusted sonic times Calibrated	Velocities Average	Velocities RMS	Velocities Interval
DATUM										
	-3.9	0.0								
			24.9							1976.2
	21.0	24.9						1976.2	1976.2	
			29.0							1959.5
	50.0	53.9						1967.2	1967.2	
			19.0							1520.0
	69.0	72.9						1827.1	1838.8	
			36.0	22.9		17.7				2033.9
	105.0	108.9			22.9		57.6	1890.6	1900.9	
			25.0	15.7		16.2				1543.2
	130.0	133.9			38.6		73.8	1814.4	1828.4	
			16.1	9.6		10.5				1533.3
	146.1	150.0			48.2		84.3	1779.4	1794.3	
			3.9	2.5		2.6				1500.0
	150.0	153.9			50.7		86.9	1771.0	1786.2	
			17.0	10.1		10.1				1683.2
	167.0	170.9			60.8		97.0	1761.9	1775.7	
			25.0	15.1		13.1				1908.4
	192.0	195.9			75.9		110.1	1779.3	1792.0	
			30.0	18.1		16.1				1863.4
	222.0	225.9			94.0		126.2	1790.0	1801.3	
			18.0	9.9		8.6				2093.0
	240.0	243.9			103.9		134.8	1809.3	1821.3	
			10.0	6.3		5.5				1818.2
	250.0	253.9			110.2		140.3	1809.7	1821.2	
			7.0	4.5		4.0				1750.0
PEMBER MUDSTONE										
	257.0	260.9			114.7		144.3	1808.0	1819.2	
			17.0	8.9		8.5				2000.0
	274.0	277.9			123.6		152.8	1818.7	1829.8	
			15.0	6.8		6.6				2272.7
EUMERALLA FORMATION										
	289.0	292.9			130.4		159.4	1837.5	1850.2	
			6.0	3.1		2.5				2400.0
	295.0	298.9			133.5		161.9	1846.2	1859.9	
			22.0	9.2		10.0				2200.0
	317.0	320.9			142.7		171.9	1866.8	1881.4	
			25.0	9.5		11.1				2252.3
	342.0	345.9			152.2		183.0	1890.2	1906.0	
			8.0	2.9		2.7				2963.0
	350.0	353.9			155.1		185.7	1905.8	1925.5	