



VELOCITY DATA PTY LTD

WELL SURVEY CALCULATIONS Page 2

Company : PHOENIX OIL AND GAS N.L.
 Well : BALLANGEICH #1
 Elevations : Datum : 100.0 Ground : 98.3 Kelly : 103.5

Latitude : 038 14 12
 Longitude : 142 38 28

Survey date : 27 JUL 87
 Survey units : METRES
 Times in milliseconds.

SONIC DRIFT

	Geophone depth		Check shot times		Check shot interval		Sonic Int. time	Interval sonic drift		Cumulative drift msec
	Kelly	Datum	Average	Below datum	Distance	Time		usec/m	msec	
					46.5	31.2				
DATUM	3.5	0.0	N/U							
	50.0	46.5	31.2	31.2	33.0	19.2				
	83.0	79.5	50.4	50.4	17.0	9.5				
	100.0	96.5	59.9	59.9	76.0	41.4				
	176.0	172.5	101.3	101.3	191.0	105.0	105.2	-1.05	-0.2	-0.2
CLIFTON	367.0	363.5	206.3	206.3	110.0	49.2	48.2	9.09	1.0	0.8
EUMERALLA	477.0	473.5	255.5	255.5	170.0	75.2	73.0	12.94	2.2	3.0
	647.0	643.5	330.7	330.7	171.0	73.1	69.6	20.47	3.5	6.5
HEATHFIELD SS	818.0	814.5	403.8	403.8	166.0	62.6	62.1	3.01	0.5	7.0
	984.0	980.5	466.4	466.4	166.0	62.0	57.6	26.51	4.4	11.4
PRETTY HILLS SS	1150.0	1146.5	528.4	528.4	52.0	18.5	16.4	40.38	2.1	13.5
CASTERON BEDS(1201)	1202.0	1198.5	546.9	546.9	33.0	11.1	10.8	9.09	0.3	13.8
	1235.0	1231.5	558.0	558.0						