



PE903703

VELSEIS PTY LTD

WELL SURVEY CALCULATIONS Page 1

Company : GAS & FUEL EXPLORATION
 Well : PINE LODGE #1
 Elevations : Datum : 0.0 Ground : 51.6 Kelly : 57.3
 Shot data : Location Elevation Offset
 A 51.6 7.0
 B 51.6 14.0
 C 51.6 21.0
 D 51.3 21.0

Latitude : 037 58 25.44
 Longitude : 141 21 41.60
 Rig identification : A.T.CO
 Energy source : AN60
 Logger : HALIBURTON DDL07
 Near surface velocity
 for shot statics: 1100
 Instrument delay: 4.0 ms

Survey date : 29-AUG-90
 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.	Distance	Time	Average	RMS	Interval	
2	51.7	-5.6	A	0.6	30.0	30.2						
3	51.7	-5.6	B	0.6	32.0	31.3						
5	51.7	-5.6	C	0.6	31.0	29.1						
6	51.7	-5.6	D	2.0	30.0	29.5	30.0					
DATUM		57.3	0.0				32.8	0.0				
								272.7	133.0			2050.4
32	330.0	272.7	D	2.0	164.0	165.8	165.8	133.0		2050.4	2050.4	2335.9
31	510.1	452.8	D	2.0	241.0	242.9	242.9	210.1		2155.2	2159.6	2387.6
29	645.0	587.7	D	2.0	297.5	299.4	299.4	266.6		2204.4	2209.9	2562.1
28	845.1	787.8	D	2.0	375.5	377.5	377.5	344.7		2285.5	2294.4	2724.4
								183.9	67.5			
PEBBLE POINT FMATION												
27	1029.0	971.7	D	2.0	443.0	445.0	445.0	412.2		2357.4	2370.2	3635.7
								50.9	14.0			
-PAARATTE FORMATION												
26	1079.9	1022.6	D	2.0	457.0	459.0	459.0	426.2		2399.3	2422.3	3220.4
24	1158.8	1101.5	D	2.0	481.5	483.5	483.5	450.7		2444.0	2472.3	2989.5
								85.2	28.5			
7	1244.0	1186.7	D	2.0	510.0	512.0	512.0	479.2		2476.4	2506.0	3098.8
23	1244.0	1186.7	D	2.0	510.0	512.0	512.0	479.2		2476.4	2506.0	3098.8
								125.5	40.5			
22	1369.5	1312.2	D	2.0	550.5	552.5	552.5	519.7		2524.9	2557.2	3458.5
								112.4	32.5			
21	1481.9	1424.6	D	2.0	583.0	585.0	585.0	552.2		2579.9	2618.8	3497.7
								75.2	21.5			
9	1557.1	1499.8	D	2.0	604.5	606.5	606.5	573.7		2614.3	2657.0	3567.9
								99.9	28.0			
	1657.0	1599.7	D	2.0	632.5	634.5	634.5	601.7		2658.6	2706.2	3490.9
								96.0	27.5			
	1753.0	1695.7	D	2.0	660.5	662.5	662.5			2695.0	2745.2	
	1753.0	1695.7	D	2.0	659.5	661.5	662.0	629.2		2695.0	2745.2	