



PE903701

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

Survey date : 29-AUG-90  
 Survey units : METRES  
 Times in milliseconds.

Rig identification : A.T.CO  
 Energy source : AN60  
 Logger : HALIBURTON DDL07  
 Near surface velocity  
 for shot statics: 1100  
 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
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	180.1	77.1	2050.4	2050.4	2335.9
31	510.1	452.8	D	2.0	241.0	242.9	242.9	210.1	134.9	56.5	2155.2	2159.6	2387.6
29	645.0	587.7	D	2.0	297.5	299.4	299.4	266.6	200.1	78.1	2204.4	2209.9	2562.1
28	845.1	787.8	D	2.0	375.5	377.5	377.5	344.7	183.9	67.5	2285.5	2294.4	2724.4
PEBBLE POINT FMATION													
27	1029.0	971.7	D	2.0	443.0	445.0	445.0	412.2	50.9	14.0	2357.4	2370.2	3635.7
PAARATTE FORMATION													
26	1079.9	1022.6	D	2.0	457.0	459.0	459.0	426.2	78.9	24.5	2399.3	2422.3	3220.4
24	1158.8	1101.5	D	2.0	481.5	483.5	483.5	450.7	85.2	28.5	2444.0	2472.3	2989.5
7	1244.0	1186.7	D	2.0	510.0	512.0							
23	1244.0	1186.7	D	2.0	510.0	512.0	512.0	479.2			2476.4	2506.0	3098.8
22	1369.5	1312.2	D	2.0	550.5	552.5	552.5	519.7	125.5	40.5	2524.9	2557.2	3458.5
21	1481.9	1424.6	D	2.0	583.0	585.0	585.0	552.2	112.4	32.5	2579.9	2618.8	3497.7
19	1557.1	1499.8	D	2.0	604.5	606.5	606.5	573.7	75.2	21.5	2614.3	2657.0	3567.9
18	1657.0	1599.7	D	2.0	632.5	634.5	634.5	601.7	99.9	28.0	2658.6	2706.2	3490.9
9	1753.0	1695.7	D	2.0	660.5	662.5							
17	1753.0	1695.7	D	2.0	659.5	661.5	662.0	629.2	96.0	27.5	2695.0	2745.2	