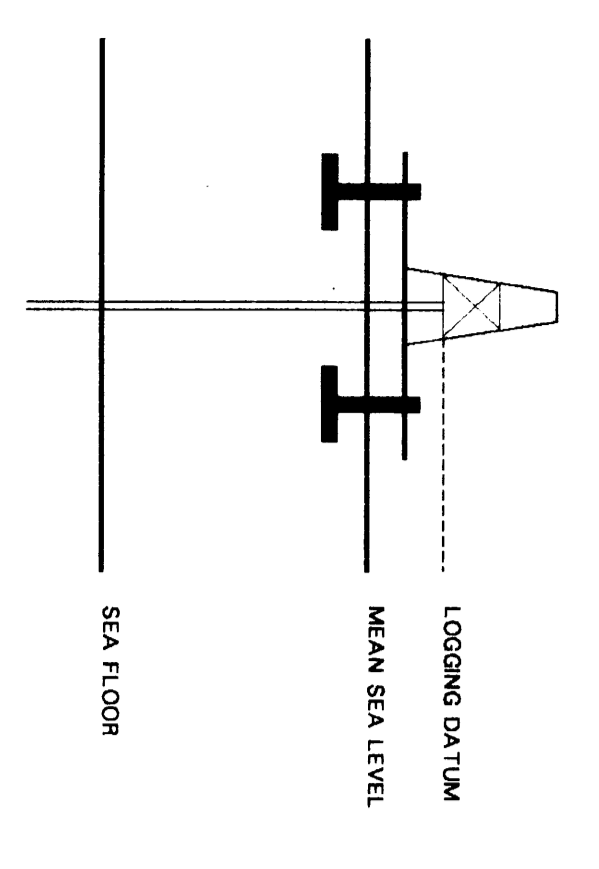


# VERTICAL SEISMIC PROFILE

ZERO OFFSET VSP PLOT NO 3  
 VELOCITY FILTER

Company: LASMO ENERGY AUSTRALIA LTD  
 Well: PATRICIA - 1  
 Field: PATRICIA  
 Country: AUSTRALIA  
 Reference No: 570705 Interval: 445.00 to 895.00  
 Date Logged: 04/07/87 Date Processed: 06/07/87  
 Location: 038° 01' 53.23" S 148° 26' 48.82" E  
 Elevations: KB 22.0 M DE 217 M GL -51.0 M  
 Permanent Datum: MSL Depth Units: METRES  
 FIELD RECORDING: Engineer: K. MULLEN Location: VEA Program Version: 28.485  
 COMPUTER: Analyst: M. SANDERS Centre: SVJ Baseline: 394/2354  
 Logging Datum: ELEVATION ABOVE MEAN SEA LEVEL 22 M  
 Seismic Reference Datum: MSL  
 Ground Level: -51 M



Total Number of Levels: 32 (895 to 445 metres)  
 Depth Reference: SRD

Run	Date	Tool Type	Bit Size/ Depth	Casing Size/ Depth	Top Depth	Bottom Depth
1	28/06/87	BHC	17 1/2" @ 647 M	20" @ 218 M	28	642
2	03/07/87	SIS	12 1/4" @ 888 M	13 3/8" @ 481 M	48 M	889 M

VSP Run	Date	Gun Offset	Hydro Offset	Gun Elevation	Hydrophone Elevation	Gun Azimuth	Hydrophone Azimuth
1	04/07/87	50 M	50 M	5 M Below MSL	10 M Below MSL	245 °	245 °

REMARKS

The well name, location and borehole reference data were furnished by the customer

All interpretations are optional based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretations made by any of our officers, agents or employees. These interpretations are also subject to Clause 4 of our General Terms and Conditions as set out in our current Price Schedule.

**\*\* VELOCITY FILTER \*\***  
 DOWNGOING WAVEFIELD  
 PROCESSING SEQUENCE: APPLIED  
 MEDIAN CORRECTION TO MSL: 5-125 HZ  
 BAND PASS FILTER : 50 MS  
 NORMALISATION GATE : (T/T<sup>0.5</sup>)  
 TIME VARYING GAIN ESTIMATE OF DOWNGOING WAVEFIELD  
 SCALE POLARITY (S.E.G.) : 20 CM/SEC NORMAL

**\*\* VELOCITY FILTER \*\***  
 RESIDUAL UPGOING WAVEFIELD  
 PROCESSING SEQUENCE: APPLIED  
 MEDIAN CORRECTION TO MSL: 5-125 HZ  
 BAND PASS FILTER : 50 MS  
 NORMALISATION GATE : (T/T<sup>0.5</sup>)  
 TIME VARYING GAIN ESTIMATE OF DOWNGOING WAVEFIELD SUBTRACTION  
 SCALE POLARITY (S.E.G.) : 20 CM/SEC NORMAL

**\*\* VELOCITY FILTER \*\***  
 ENHANCED UPGOING WAVEFIELD  
 PROCESSING SEQUENCE: APPLIED  
 MEDIAN CORRECTION TO MSL: 5-125 HZ  
 BAND PASS FILTER : 50 MS  
 NORMALISATION GATE : (T/T<sup>0.5</sup>)  
 TIME VARYING GAIN ESTIMATE OF DOWNGOING WAVEFIELD ON UPGOING  
 SCALE POLARITY (S.E.G.) : 20 CM/SEC NORMAL

4401	4381	0.228	32
4421	4401	0.231	30
4441	4421	0.236	29
4461	4441	0.240	28
4481	4461	0.244	27
4501	4481	0.248	26
4521	4501	0.252	25
4541	4521	0.256	24
4561	4541	0.260	23
4581	4561	0.264	22
4601	4581	0.268	21
4621	4601	0.272	20
4641	4621	0.276	19
4661	4641	0.280	18
4681	4661	0.284	17
4701	4681	0.288	16
4721	4701	0.292	15
4741	4721	0.296	14
4761	4741	0.300	13
4781	4761	0.304	12
4801	4781	0.308	11
4821	4801	0.312	10
4841	4821	0.316	9
4861	4841	0.320	8
4881	4861	0.324	7
4901	4881	0.328	6
4921	4901	0.332	5
4941	4921	0.336	4
4961	4941	0.340	3
4981	4961	0.344	2

4401	4381	0.229	32
4421	4401	0.232	30
4441	4421	0.235	29
4461	4441	0.238	28
4481	4461	0.241	27
4501	4481	0.244	26
4521	4501	0.247	25
4541	4521	0.250	24
4561	4541	0.253	23
4581	4561	0.256	22
4601	4581	0.259	21
4621	4601	0.262	20
4641	4621	0.265	19
4661	4641	0.268	18
4681	4661	0.271	17
4701	4681	0.274	16
4721	4701	0.277	15
4741	4721	0.280	14
4761	4741	0.283	13
4781	4761	0.286	12
4801	4781	0.289	11
4821	4801	0.292	10
4841	4821	0.295	9
4861	4841	0.298	8
4881	4861	0.301	7
4901	4881	0.304	6
4921	4901	0.307	5
4941	4921	0.310	4
4961	4941	0.313	3
4981	4961	0.316	2

4401	4381	0.230	32
4421	4401	0.233	30
4441	4421	0.236	29
4461	4441	0.239	28
4481	4461	0.242	27
4501	4481	0.245	26
4521	4501	0.248	25
4541	4521	0.251	24
4561	4541	0.254	23
4581	4561	0.257	22
4601	4581	0.260	21
4621	4601	0.263	20
4641	4621	0.266	19
4661	4641	0.269	18
4681	4661	0.272	17
4701	4681	0.275	16
4721	4701	0.278	15
4741	4721	0.281	14
4761	4741	0.284	13
4781	4761	0.287	12
4801	4781	0.290	11
4821	4801	0.293	10
4841	4821	0.296	9
4861	4841	0.299	8
4881	4861	0.302	7
4901	4881	0.305	6
4921	4901	0.308	5
4941	4921	0.311	4
4961	4941	0.314	3
4981	4961	0.317	2

