From Well Seismic Processing Report Vol 2.

Schlumberger

SYDNEY LOG INTERPRETATION CENTRE

VERTICAL SEISMIC PROFILE

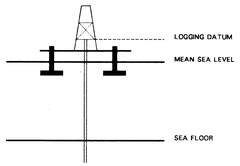
ZERO OFFSET VSP **PLOT NO 3**

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' 46.82" E
Elevations:	KB: 22.0 M	DF: 21.7 M	GL: -51.0 M
Permanent Datum:	MSL	Depth Units:	METRES
FIELD RECORDING:	Engineer: K. MULLEN	Location: VEA	Program Version: 29.465
COMPUTATION:	Analyst: M. SANDERS	Centre: SYJ	Baseline: 19X4/25X4

ELEVATION ABOVE MEAN SEA LEVEL

Logging Datum:	22 M
Seismic Reference Datum:	MSL
Ground Level	-51 M



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

Run	Date	Tool Type		Bit Size/ Depth	Casing Size/ Depth	Top Depth	Bottom Depth
1	29/06/87	BHC		17 1/2" @ 647 M	20" @ 218 M	218	642
2	03/07/87	SLS		12 1/4" @ 896 M	13 3/8" @ 461 M	461 M	896 M
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VSP Run	Date	Gun Offset	Hydro. Offset	Gun Elevation	Hydrophone Elevation	Gun Azimuth	Hydro. Azimuth
1	04/07/87	50 M	50 M	5 M below MSL	10 M below MSL	245 °	245 °
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REMARKS

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

**** VELOCITY FILTER ****

DOWNGOING WAVEFIELD

PROCESSING SEQUENCE:
MEDIAN COHERENCY STACK APPLIED
STATIC CORRECTION TO MSL:
BAND PASS FILTER : 5-125 HZ
NORMALISATION GATE : 50 MS
TIME VARYING GAIN : $(T/T_0)^{1.5}$
7 LEVEL MEDIAN ESTIMATE OF
DOWNGOING WAVEFIELD

SCALE : 20 CM/SEC
POLARITY (S.E.G.) : NORMAL

**** VELOCITY FILTER ****

RESIDUAL UPGOING WAVEFIELD
PROCESSING SEQUENCE:
MEDIAN COHERENCY STACK APPLIED
STATIC CORRECTION TO MSL:
BAND PASS FILTER : 5-125 HZ
NORMALISATION GATE : 50 MS
TIME VARYING GAIN : $(T/T_0)^{1.5}$
DOWNGOING WAVEFIELD SUBTRACTION

SCALE : 20 CM/SEC
POLARITY (S.E.G.) : NORMAL

**** VELOCITY FILTER ****

ENHANCED UPGOING WAVEFIELD
PROCESSING SEQUENCE:
MEDIAN COHERENCY STACK APPLIED
STATIC CORRECTION TO MSL:
BAND PASS FILTER : 5-125 HZ
NORMALISATION GATE : 50 MS
TIME VARYING GAIN : $(T/T_0)^{1.2}$
DOWNGOING WAVEFIELD SUBTRACTION
5 LEVEL ENHANCEMENT ON UPGOING

SCALE : 20 CM/SEC
POLARITY (S.E.G.) : NORMAL

RAW DEPTH M	TRUE VERTICAL DEPTH MSL M	TRANSIT TIME S	LEVEL NO
480.1	438.1	0.225	32
475.1	453.1	0.231	30
490.1	468.1	0.238	29
505.1	483.1	0.245	28
520.1	498.1	0.252	27
535.1	513.1	0.258	26
550.1	528.1	0.264	25
565.1	543.1	0.270	24
580.1	558.1	0.277	23
595.1	573.1	0.283	22
610.1	588.1	0.290	21
625.1	603.1	0.298	20
640.1	618.1	0.305	19
656.1	634.1	0.313	18
670.1	648.1	0.320	17
685.1	663.1	0.327	16
700.1	678.1	0.335	15
715.1	693.1	0.342	14
730.1	708.1	0.349	13
745.1	723.1	0.356	12
760.1	738.1	0.362	11
774.0	752.0	0.367	10
790.1	768.1	0.372	8
805.1	783.1	0.377	7
820.1	798.1	0.383	6
835.1	813.1	0.390	5
850.1	828.1	0.395	4
865.1	843.1	0.401	3
880.1	858.1	0.407	2