

From Well Seismic Processing Report Well 2

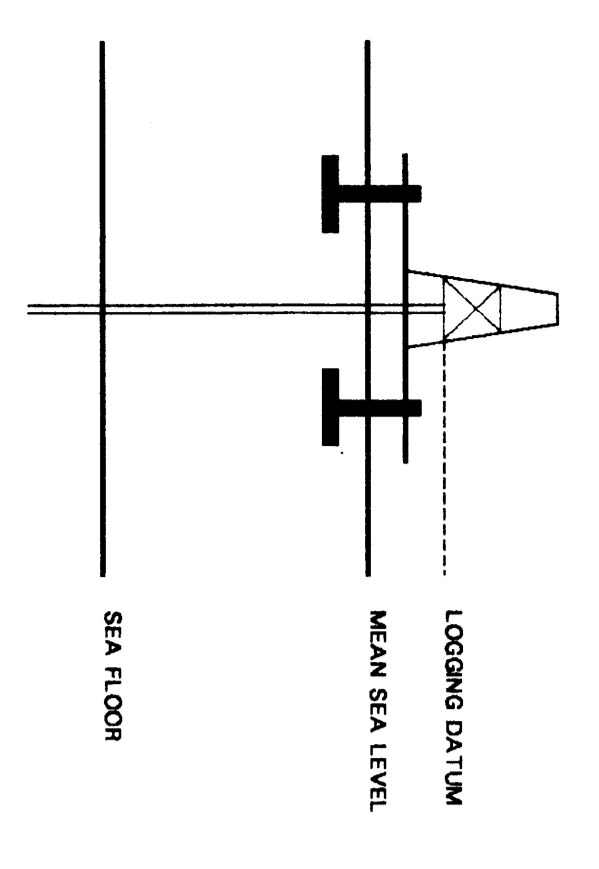
Schlumberger SYDNEY LOG INTERPRETATION CENTRE

VERTICAL SEISMIC PROFILE



ZERO OFFSET VSP PLOT NO 4
PREDICTIVE DECONVOLUTION

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: 039° 01' 53.23" S 148° 26' 48.82" E
 Elevations: KB 22.0 M DE 217 M G: -51.0 M
 Permanent Datum: MSL Depth Units: METRES
 FIELD RECORDING: Engineer: K. MULLEN Location: YEA Program Version: 28.485
 COMPUTATION: Analyst: M. SANDERS Centre: STU Baseline: 904/2324
 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: SPD
 Time Reference: SPD

Run	Date	Tool Type	Bit Size/Depth	Casing Size/Depth	Top Depth	Bottom Depth
1	28/08/87	BHC	17 1/2" @ 641 M	20" @ 218 M	28	642
2	08/07/87	SIS	12 1/4" @ 886 M	13 9/8" @ 481 M	481 M	886 M
VSP	Date	Gun Type	Hydro. Elevation	Hydrophone Elevation	Gun Azimuth	Hydro. Azimuth
1	04/07/87	80 M	80 M	6 M below MSL	245 °	245 °

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

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we will 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.

**** DECONVOLUTION ****
 PREDICTIVE DECONVOLUTION
 DOWNGOING WAVEFIELD
 PREDICTED GROUND SURFACE
 BAND PASS FILTER : 5-125 HZ
 NORMALIZATION GATE : (1/T₀)^{1/2}
 TIME VARYING GAIN : 50 MS
 7 LEVEL MEDIAN ESTIMATE OF
 DOWNGOING WAVEFIELD
 PREDICTOR LENGTH : 2 ZERO CROSSING
 OPERATOR LENGTH : 2
 PREWHITENING : 1.00 S
 POLARITY (S.E.G.) : 2 NORMAL

**** DECONVOLUTION ****
 PREDICTIVE DECONVOLUTION
 RESIDUAL UPGOING WAVEFIELD
 PROCESSING SEQUENCE: APPLIED
 MEDIAN COHERENCY STACK
 STATIC CORRECTION TO MSL: 5-125 HZ
 BAND PASS FILTER : (1/T₀)^{1/2}
 TIME VARYING GAIN : 50 MS
 DOWNGOING WAVEFIELD SUBTRACTION
 PREDICTIVE DECONVOLUTION:
 PREDICTOR LENGTH : 2 ZERO CROSSING
 OPERATOR LENGTH : 2
 PREWHITENING : 1.00 S
 POLARITY (S.E.G.) : 2 NORMAL

**** DECONVOLUTION ****
 PREDICTIVE DECONVOLUTION
 ENHANCED SEISMIC SEQUENCE: APPLIED
 MEDIAN COHERENCY STACK
 STATIC CORRECTION TO MSL: 5-125 HZ
 BAND PASS FILTER : (1/T₀)^{1/2}
 NORMALIZATION GATE : 50 MS
 DOWNGOING WAVEFIELD SUBTRACTION
 PREDICTIVE DECONVOLUTION:
 PREDICTOR LENGTH : 2 ZERO CROSSING
 OPERATOR LENGTH : 2
 PREWHITENING : 1.00 S
 POLARITY (S.E.G.) : 2 NORMAL

FAW DEPTH M	TRUE VERTICAL DEPTH MSL M	TRANSIT TIME S	LEVEL NO
462.1	436.1	0.220	32
460.1	434.1	0.228	29
458.1	432.1	0.236	26
456.1	430.1	0.244	23
454.1	428.1	0.252	20
452.1	426.1	0.260	17
450.1	424.1	0.268	14
448.1	422.1	0.276	11
446.1	420.1	0.284	8
444.1	418.1	0.292	5
442.1	416.1	0.300	2

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462.1	436.1	0.220	32
460.1	434.1	0.228	29
458.1	432.1	0.236	26
456.1	430.1	0.244	23
454.1	428.1	0.252	20
452.1	426.1	0.260	17
450.1	424.1	0.268	14
448.1	422.1	0.276	11
446.1	420.1	0.284	8
444.1	418.1	0.292	5
442.1	416.1	0.300	2

FAW DEPTH M	TRUE VERTICAL DEPTH MSL M	TRANSIT TIME S	LEVEL NO
473.1	447.1	0.220	32
462.1	436.1	0.228	29
451.1	425.1	0.236	26
440.1	414.1	0.244	23
429.1	403.1	0.252	20
418.1	392.1	0.260	17
407.1	381.1	0.268	14
396.1	370.1	0.276	11
385.1	359.1	0.284	8
374.1	348.1	0.292	5
363.1	337.1	0.300	2

