

VERTICAL SEISMIC PROFILE

ZERO OFFSET VSP
SHEAR WAVE PROCESSING
PLOT NO 12

Company: LASMO ENERGY AUSTRALIA LTD

Well: PATRICKA - 1

Field: PATRICKA

Country: AUSTRALIA

Reference No: 570705

Date Logged: 04/07/87

Date Processed: 08/07/87

Location: 038° 07' 53.23" S 148° 26' 48.82" E

Elevations: KB: 22.0 M DF: 217.7 M GL: -51.0 M

Permanent Datum: MSL

Depth Units: METRES

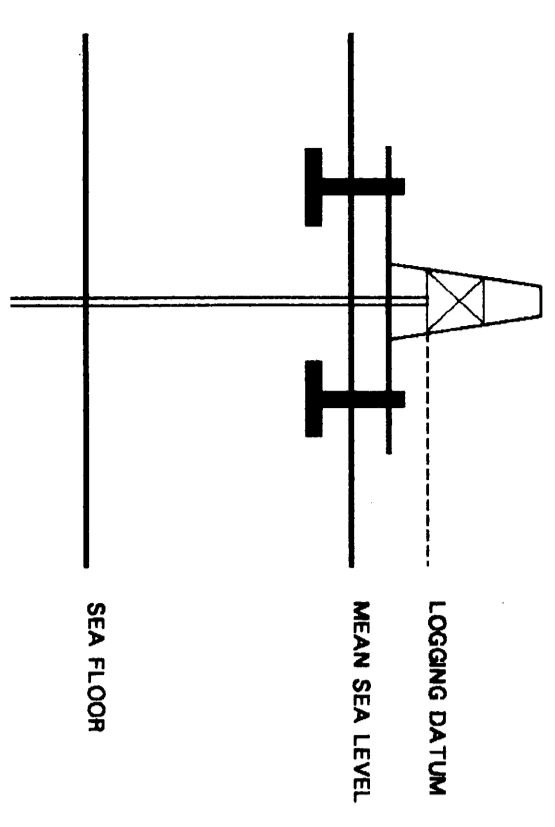
Field Recording: Engineer: K. MALLER Location: VEA Program Version: 28.448

COMPUTATION: Analyst: M. SANDERS Centre: SVJ Brisbane 394/2354

Logging Datum: 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	24/04/87	BHC	7 1/2" @ 643 M	20" @ 218 M	218	643
2	08/07/87	SIS	12 1/4" @ 888 M	13 3/8" @ 461 M	461	888 M
1	04/07/87	80 M	80 M	8 M below MSL	10 M below MSL	246 *

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 shall not, except in the case of gross or willful negligence on our part, 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.

*** AMPLITUDE RECOVERY ***
horizontal components:
MAXIMUM HORIZONTAL SHEAR ENERGY

PROCESSING SEQUENCE:
MEDIAN COHERENCY STACK APPLIED
NO STATIC CORRECTION TO MSL:
BAND PASS FILTER : 5-50 HZ
NORMALISATION GATE : 400 MS
TIME VARYING GAIN : 1/T0**1.22

*** VELOCITY FILTER ***
horizontal components:
MAXIMUM HORIZONTAL SHEAR ENERGY

PROCESSING SEQUENCE:
MEDIAN COHERENCY STACK APPLIED
NO STATIC CORRECTION TO MSL:
BAND PASS FILTER : 5-50 HZ
NORMALISATION GATE : 400 MS
TIME VARYING GAIN : 1/T0**1.22
DOWNGOING SHEAR WAVEFIELD ESTIMATE OF DOWNGOING SHEAR WAVEFIELD

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horizontal components:
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PROCESSING SEQUENCE:
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NO STATIC CORRECTION TO MSL:
BAND PASS FILTER : 5-50 HZ
NORMALISATION GATE : 400 MS
TIME VARYING GAIN : 1/T0**1.22
DOWNGOING SHEAR WAVEFIELD SUBTRACTION RESIDUAL SHEAR WAVEFIELD

*** VELOCITY FILTER ***
horizontal components:
MAXIMUM HORIZONTAL SHEAR ENERGY

PROCESSING SEQUENCE:
MEDIAN COHERENCY STACK APPLIED
NO STATIC CORRECTION TO MSL:
BAND PASS FILTER : 5-50 HZ
NORMALISATION GATE : 400 MS
TIME VARYING GAIN : 1/T0**1.22
DOWNGOING SHEAR WAVEFIELD SUBTRACTION RESIDUAL WAVEFIELD P WAVE SUPPRESSION

*** VELOCITY FILTER ***
horizontal components:
MAXIMUM HORIZONTAL SHEAR ENERGY ENHANCED UPDIPING

PROCESSING SEQUENCE:
MEDIAN COHERENCY STACK APPLIED
NO STATIC CORRECTION TO MSL:
BAND PASS FILTER : 5-50 HZ
NORMALISATION GATE : 400 MS
TIME VARYING GAIN : 1/T0**1.22
DOWNGOING SHEAR WAVEFIELD SUBTRACTION ENHANCED UPDIPING WAVEFIELD

RAW DEPTH M	TRANSIT TIME S	TRANSIT TIME S	LEVEL NO
445.1	0.915	0.212	32
446.1	0.917	0.212	31
447.1	0.919	0.212	30
448.1	0.921	0.212	29
449.1	0.923	0.212	28
450.1	0.925	0.212	27
451.1	0.927	0.212	26
452.1	0.929	0.212	25
453.1	0.931	0.212	24
454.1	0.933	0.212	23
455.1	0.935	0.212	22
456.1	0.937	0.212	21
457.1	0.939	0.212	20
458.1	0.941	0.212	19
459.1	0.943	0.212	18
460.1	0.945	0.212	17
461.1	0.947	0.212	16
462.1	0.949	0.212	15
463.1	0.951	0.212	14
464.1	0.953	0.212	13
465.1	0.955	0.212	12
466.1	0.957	0.212	11
467.1	0.959	0.212	10
468.1	0.961	0.212	9
469.1	0.963	0.212	8
470.1	0.965	0.212	7
471.1	0.967	0.212	6
472.1	0.969	0.212	5
473.1	0.971	0.212	4
474.1	0.973	0.212	3
475.1	0.975	0.212	2
476.1	0.977	0.212	1

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469.1	0.963	0.212	8
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