

**ZERO OFFSET VSP** **PLOT 4**

**WAVESHAPING DECONVOLUTION**

Company: BHP PETROLEUM

Well: LA BELLA-1

Field: WILDCAT

Country: AUSTRALIA

Reference No: 560875 Interval: 2743.00 to 620.00

Date Logged: 11-FEB-1993 Date Processed: 17/2/92

Location: 39 00' 14.2" S 142 41' 42.9" E

Elevations: KB: 25.30 DF: 25.00 GL: -95.00

Permanent Datum: MSL Depth Units: METRES

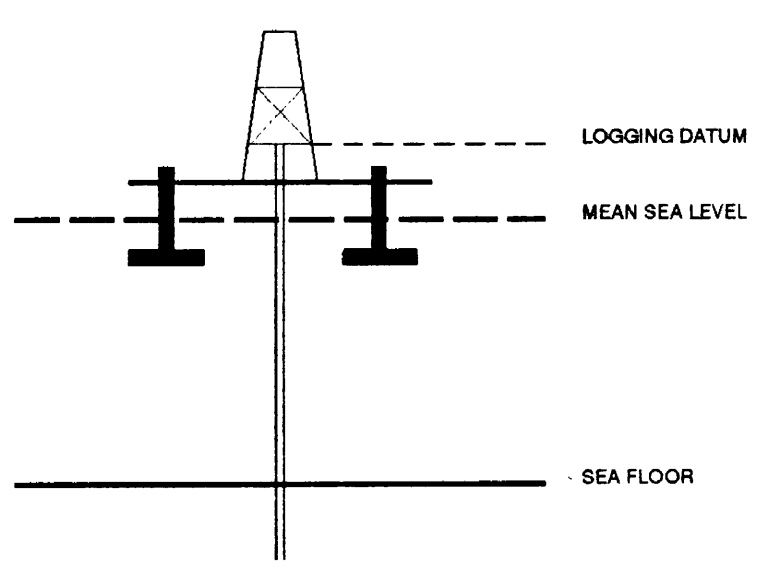
FIELD RECORDING Engineer: M. HELWIG Location: Program Version: 580-325

COMPUTATION Analyst: Z.KATELIS Centre: SYJ Baseline: 20 2

ELEVATION ABOVE MEAN SEA LEVEL

Logging Datum: 25.00

Seismic Reference Datum: 0.00



Total Number of Levels: 110

Depth Reference: SRD

Time Reference: SRD

Run	Date	Tool Type	Bit Size/Depth	Casing Size/Depth	Top Depth	Bottom Depth
1	30-1-93	AS			1787	120
2	8-2-93	SOT			2375	1786.5

VSP Run	Date	Gun Offset	Hydro Offset	Gun Elevation	Hydro Elevation	Gun Azimuth	Hydro Azimuth
1	30-JAN-1993	47 M	47 M	10 M BELOW MSL	17 M BELOW MSL	50.0	50.0
2	11-FEB-1993	47 M	47 M	10 M BELOW MSL	17 M BELOW MSL	50.0	50.0

REMARKS

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All interpretations are opinions based on information from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretation. We are not responsible for any loss, cost, damage or expense incurred or sustained by any party resulting from the use of our data, reports or interpretations. These interpretations are data subject to Clause 4 of our General Terms and Conditions as set out in our current Price Schedule.

**\*\* WAVESHAPING \*\***

DOWNGOING WAVEFIELD  
PROCESSING SEQUENCE:  
MEDIAN COHERENCY STACK APPLIED  
STATIC CORR-N TO MSL  
BAND PASS FILTER : 5-100 HZ  
NORMALISATION GATE : 100 MS

7 LEVEL MEDIAN ESTIMATE OF  
DOWNGOING WAVEFIELD  
10-60 HZ WAVESHAPING DECONVOLUTION

SCALE : 10 CM/SEC  
POLARITY (S.E.G.) : NORMAL

**\*\* WAVESHAPING \*\***

RESIDUAL WAVEFIELD  
PROCESSING SEQUENCE:  
MEDIAN COHERENCY STACK APPLIED  
STATIC CORR-N TO MSL  
BAND PASS FILTER : 5-100 HZ  
NORMALISATION GATE : 100 MS

DOWNGOING WAVEFIELD SUBTRACTION  
10-60 HZ WAVESHAPING DECONVOLUTION

SCALE : 10 CM/SEC  
POLARITY (S.E.G.) : NORMAL

**\*\* WAVESHAPING \*\***

RESIDUAL WAVEFIELD  
PROCESSING SEQUENCE:  
MEDIAN COHERENCY STACK APPLIED  
STATIC CORR-N TO MSL  
BAND PASS FILTER : 5-100 HZ  
NORMALISATION GATE : 100 MS

DOWNGOING WAVEFIELD SUBTRACTION  
10-60 HZ WAVESHAPING DECONVOLUTION

SCALE : 10 CM/SEC  
POLARITY (S.E.G.) : NORMAL

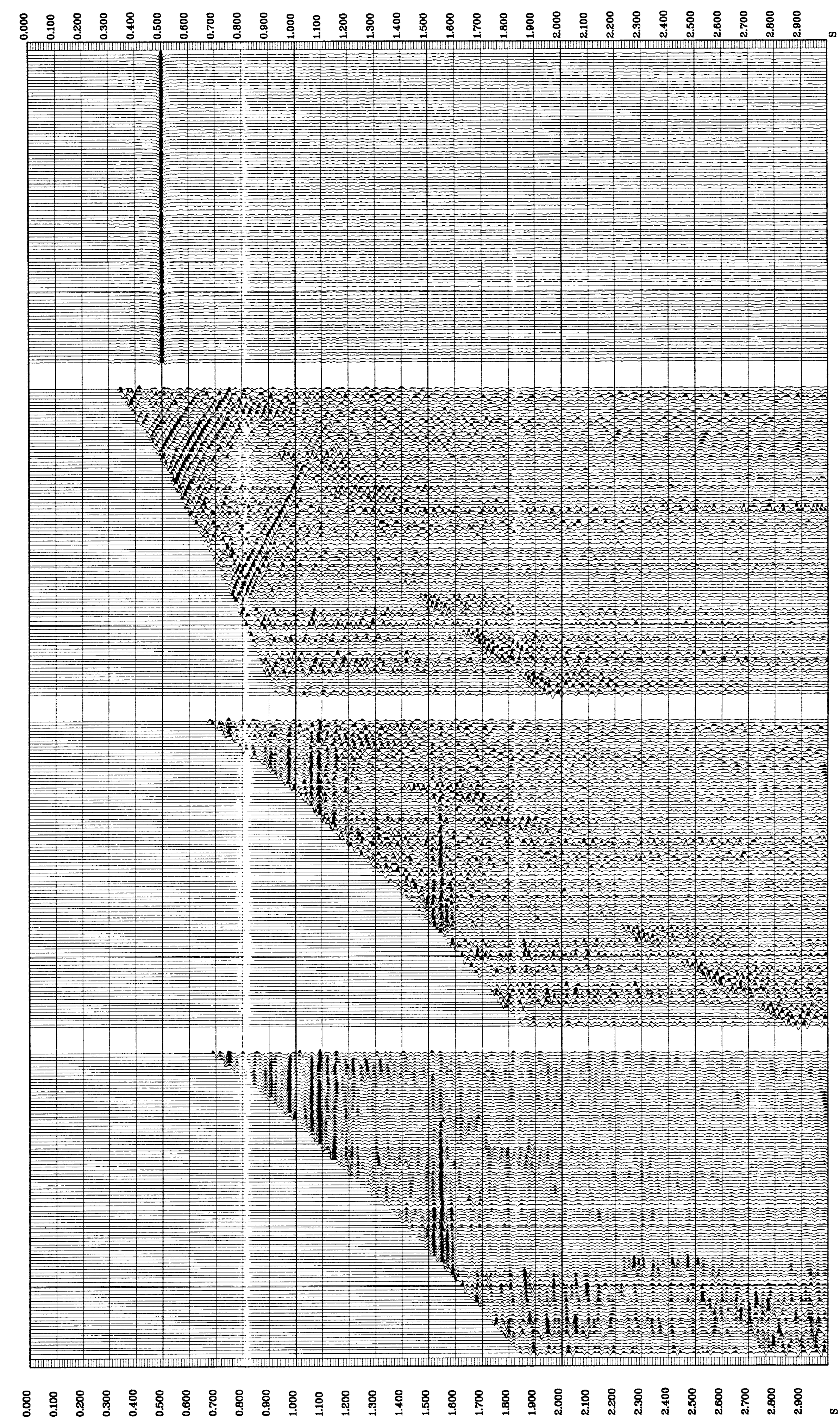
**\*\* WAVESHAPING \*\***

ENHANCED UPGOING WAVEFIELD  
PROCESSING SEQUENCE:  
MEDIAN COHERENCY STACK APPLIED  
STATIC CORR-N TO MSL  
BAND PASS FILTER : 5-100 HZ  
NORMALISATION GATE : 100 MS

DOWNGOING WAVEFIELD SUBTRACTION  
10-60 HZ WAVESHAPING DECONVOLUTION  
5 LEVEL ENHANCEMENT ON UPGOING

SCALE : 10 CM/SEC  
POLARITY (S.E.G.) : NORMAL

RAW DEPTH M	TRANSIT TIME S	LEVEL NO
800.0	0.340	88
810.0	0.355	86
820.0	0.369	84
830.0	0.384	82
840.0	0.399	80
850.0	0.414	78
860.0	0.431	76
870.0	0.445	74
880.0	0.460	72
890.0	0.477	70
900.0	0.493	68
910.0	0.510	66
920.0	0.525	64
930.0	0.542	62
940.0	0.557	60
950.0	0.570	58
960.0	0.585	56
970.0	0.598	54
980.0	0.611	52
990.0	0.624	50
1000.0	0.634	48
1010.0	0.649	46
1020.0	0.665	44
1030.0	0.679	42
1040.0	0.691	40
1050.0	0.705	38
1060.0	0.725	36
1070.0	0.737	34
1080.0	0.747	32
1090.0	0.757	30
1100.0	0.768	28
1110.0	0.779	26
1120.0	0.790	24
1130.0	0.801	22
1140.0	0.811	20
1150.0	0.821	18
1160.0	0.831	16
1170.0	0.841	14
1180.0	0.851	12
1190.0	0.861	10
1200.0	0.871	8
1210.0	0.881	6
1220.0	0.891	4
1230.0	0.901	2



COMPANY: BHP PETROLEUM

FIELD: WILDCAT

WELL: LA BELLA-1

COUNTRY: AUSTRALIA

**Schlumberger**