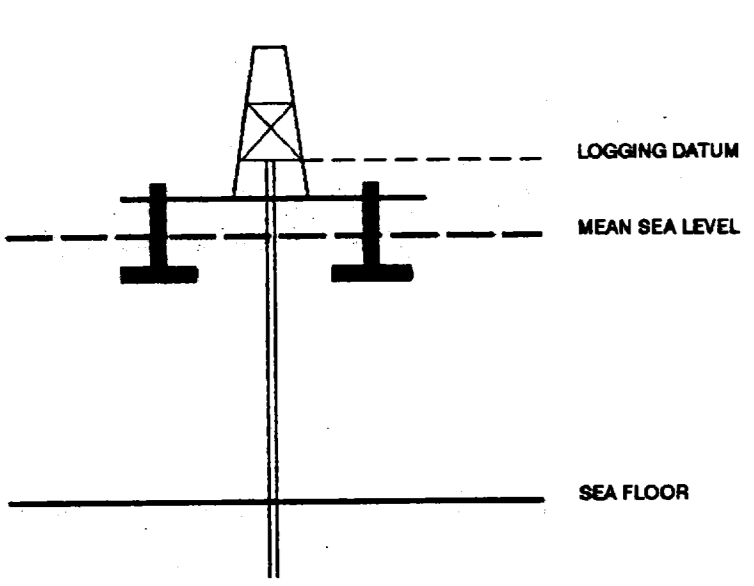




**ZERO OFFSET VSP PLOT 3**  
**VELOCITY FILTERING**

Company: BHP PETROLEUM PTY. LTD.  
Well: CHAMPION-1  
Field: WILDCAT  
Country: AUSTRALIA  
Reference No: SYJ-561142/561143 Interval: 1845.00 to 1220.00  
Date Logged: 15 AUG. 1995 Date Processed: 17 AUG 1995  
Location: 038 32' 33.054" S 142 23' 18.066" E  
Elevations: KB: 25.30 DF: 25.00 GL: -54.00  
Permanent Datum: MSL Depth Units: METRES  
FIELD RECORDING: Engineer: R.JONSSON Location: Program Version: 700-427  
COMPUTATION: Analyst: S.TOHERKASHNEV Centre: SYJ Baseline: 20.5

ELEVATION ABOVE MEAN SEA LEVEL  
Logging Datum: 25.30  
Seismic Reference Datum: 0.00



Total Number of Levels: 45  
Depth Reference: SRD  
Time Reference: SRD

Run	Date	Tool Type	Bit Size/Depth	Casing Size/Depth	Top Depth	Bottom Depth
1	15-07-86	DLL	12.25 IN	13.3 IN/1216 M	1216 M	1868 M

VSP Run	Date	Gun Offset	Hydro Offset	Gun Elevation	Hydro Elevation	Gun Azimuth	Hydro Azimuth
1	15-07-86	45 M	45 M	5 M BELOW MSL	10 M BELOW MSL	90 DEG	90 DEG

The well name, location and technical information shown here is the property of Schlumberger. All interpretations are optional based on inferences from electrical or other measurements and are correct, and do not guarantee the accuracy or completeness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, damage or expense of any kind, direct or indirect, arising from or in connection with the use of our services, equipment or software. These interpretations are also subject to Clause 4 of our General Terms and Conditions as set forth in our current Price Schedule.

FOUR HERE

**\* VELOCITY FILTER \*  
VERTICAL COMPONENT.  
DOWNGOING WAVEFIELD**

PROCESSING SEQUENCE:  
MEDIAN STACK APPLIED  
STATIC CORRECTION TO MSL : 6.56 MS  
BAND PASS FILTER : 5-100 HZ  
NORMALISATION GATE : 100 MS  
TIME VARYING GAIN : (T/TO)\*\*1.00  
7 LEVEL MEDIAN ESTIMATE OF  
DOWNGOING WAVEFIELD

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

**0.5 MSEC TIME**

**\* VELOCITY FILTER \*  
VERTICAL COMPONENT.  
RESIDUAL WAVEFIELD**

PROCESSING SEQUENCE:  
MEDIAN STACK APPLIED  
STATIC CORRECTION TO MSL : 6.56 MS  
BAND PASS FILTER : 5-100 HZ  
NORMALISATION GATE : 100 MS  
TIME VARYING GAIN : (T/TO)\*\*1.00  
DOWNGOING WAVEFIELD SUBTRACTION  
RESIDUAL WAVEFIELD

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

**ONE WAY TIME**

**\* VELOCITY FILTER \*  
VERTICAL COMPONENT.  
RESIDUAL WAVEFIELD**

PROCESSING SEQUENCE:  
MEDIAN STACK APPLIED  
STATIC CORRECTION TO MSL : 6.56 MS  
BAND PASS FILTER : 5-100 HZ  
NORMALISATION GATE : 100 MS  
TIME VARYING GAIN : (T/TO)\*\*1.00  
DOWNGOING WAVEFIELD SUBTRACTION  
RESIDUAL WAVEFIELD

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

**TWO WAY TIME**

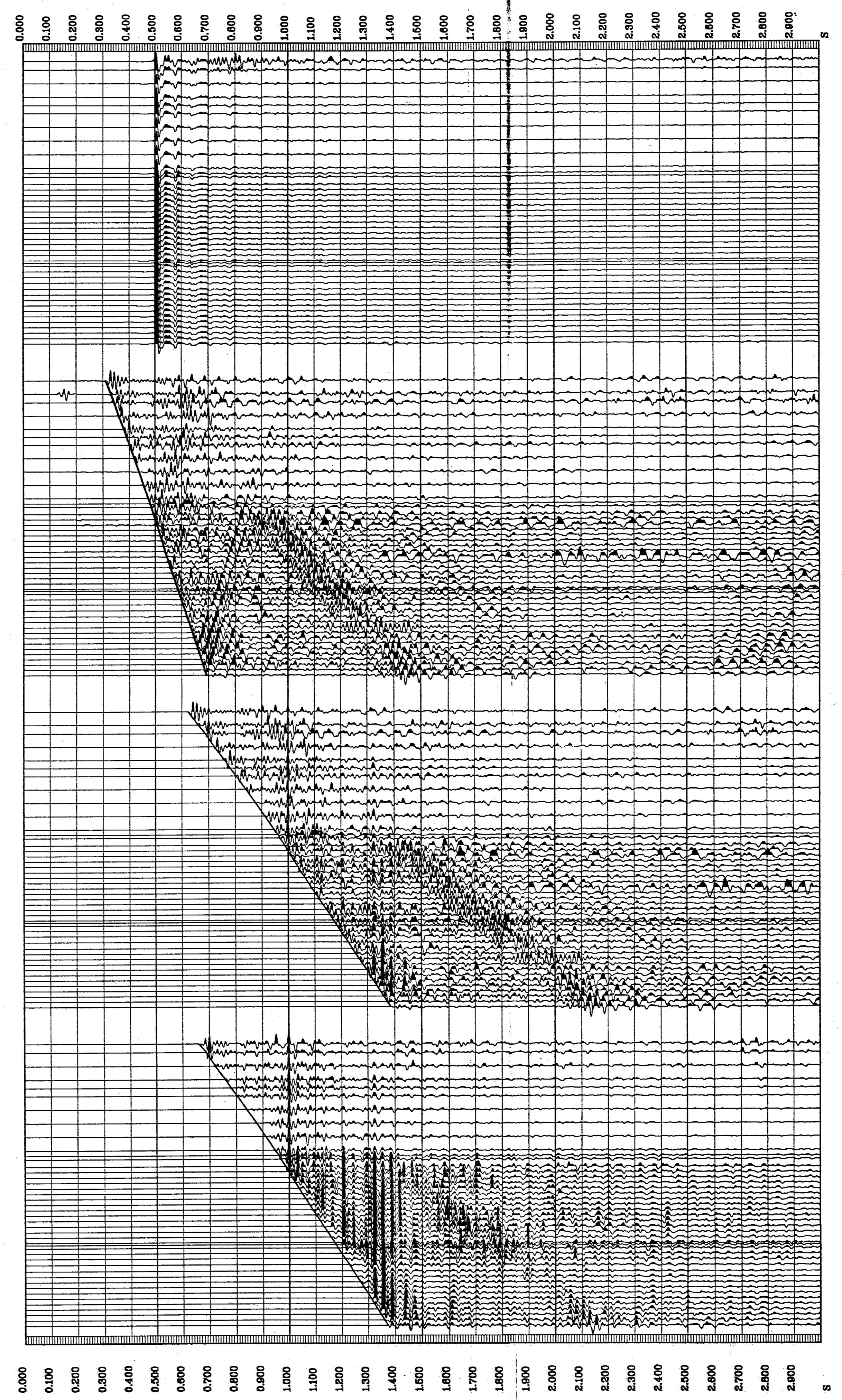
**\* VELOCITY FILTER \*  
VERTICAL COMPONENT.  
ENHANCED UPGOING WAVEFIELD**

PROCESSING SEQUENCE:  
MEDIAN STACK APPLIED  
STATIC CORRECTION TO MSL : 6.56 MS  
BAND PASS FILTER : 5-100 HZ  
NORMALISATION GATE : 100 MS  
TIME VARYING GAIN : (T/TO)\*\*1.00  
DOWNGOING WAVEFIELD SUBTRACTION  
5 LEVEL ENHANCED UPGOING WAVEFIELD

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

**TWO WAY TIME**

RAW DEPTH M	TRUE VERTICAL DEPTH MSL M	TRANSIT TIME S	LEVEL NO
788.0	782.7	0.332	45
800.0	794.7	0.346	44
810.0	804.7	0.361	43
820.0	814.7	0.376	42
830.0	824.7	0.391	41
840.0	834.7	0.405	40
1000.0	1004.7	0.420	39
1080.0	1004.7	0.436	38
1100.0	1014.7	0.456	37
1180.0	1154.7	0.474	36
1210.0	1177.7	0.480	35
1220.0	1214.7	0.484	34
1230.0	1251.7	0.488	33
1240.0	1288.7	0.492	32
1250.0	1325.7	0.496	31
1260.0	1362.7	0.500	30
1270.0	1399.7	0.504	29
1280.0	1436.7	0.508	28
1290.0	1473.7	0.512	27
1300.0	1510.7	0.516	26
1310.0	1547.7	0.520	25
1320.0	1584.7	0.524	24
1330.0	1621.7	0.528	23
1340.0	1658.7	0.532	22
1350.0	1695.7	0.536	21
1360.0	1732.7	0.540	20
1370.0	1769.7	0.544	19
1380.0	1806.7	0.548	18
1390.0	1843.7	0.552	17
1400.0	1880.7	0.556	16
1410.0	1917.7	0.560	15
1420.0	1954.7	0.564	14
1430.0	1991.7	0.568	13
1440.0	2028.7	0.572	12
1450.0	2065.7	0.576	11
1460.0	2102.7	0.580	10
1470.0	2139.7	0.584	9
1480.0	2176.7	0.588	8
1490.0	2213.7	0.592	7
1500.0	2250.7	0.596	6
1510.0	2287.7	0.600	5
1520.0	2324.7	0.604	4
1530.0	2361.7	0.608	3
1540.0	2398.7	0.612	2
1550.0	2435.7	0.616	1



COMPANY: BHP PETROLEUM PTY. LTD.  
FIELD: WILDCAT  
WELL: CHAMPION-1  
COUNTRY: AUSTRALIA