Schlumberger

MELBOURNE LOG INTERPRETATION CENTRE

VERTICAL SEISMIC PROFILE

DEPT. NAT. RES & ENV
PE900651

ZERO OFFSET VSP — PLOT 3

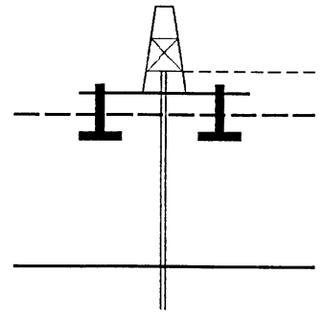
VELOCITY FILTERING

Company:	BHP PETROLEUM PTY LTD				
Well:	CONAN-1				
Field:	WILDCAT				
Country:	AUSTRALIA				
Reference No:	SYJ-561137/561138	Interval:	1955.00 to 650.00		
Date Logged:	2 AUG 1995	Date Processed:	7 AUG 1995		
Location:	038 52' 14.095" S		142 46' 52.022" E		
Elevations:	KB: 25.30	DF: 25.00	GL: -70.00		
Permanent Datum:	MSL	Depth Units:	METRES		
FIELD RECORDING:	Engineer: RJONSSON	Location:	Program Version:	700-427	
COMPUTATION:	Analyst: S.TCHERKASHNEV	Centre: SYJ	Baseline:	20.6	

ELEVATION ABOVE MEAN SEA LEVEL

Logging Datum: 25.30

Seismic Reference Datum: 0.00



Total Number of Levels: 55

Depth Reference: SRD

Time Reference: SRD

Run	Date	Tool Type		Bit Size/ Depth	Casing Size/ Depth	Top Depth	Bottom Depth
1	2-08-95	LDL		12.25 IN	13.3 IN/1200 M	1575 M M	1940 M

VSP Run	Date	Gun Offset	Hydro Offset	Gun Elevation	Hydro Elevation	Gun Azimuth	Hydro Azimuth
1	1-08-95	50 M	50 M	5 M BELOW MSL	10 M BELOW MSL	92.4 DEG	92.4 DEG

REMARKS

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 wilful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation 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.

FOLD HERE

* VELOCITY FILTER *
VERTICAL COMPONENT.

DOWNGOING WAVEFIELD

PROCESSING SEQUENCE:

MEDIAN STACK APPLIED
STATIC CORRECTION TO MSL : 6.56 MS
BAND PASS FILTER : 7-75 HZ
NORMALISATION GATE : 100 MS
TIME VARYING GAIN : T/TO**1.00
3 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 : 7-75 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 : 7-75 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
650.0	624.7	0.282	55
700.0	674.7	0.306	54
750.0	724.7	0.327	53
800.0	774.7	0.344	52
850.0	824.7	0.360	51
900.0	874.7	0.374	50
950.0	924.7	0.387	49
1000.0	974.7	0.400	48
1050.1	1024.8	0.413	47
1100.0	1074.7	0.425	46
1150.1	1124.8	0.437	45
1195.6	1170.3	0.447	44
1200.0	1174.7	0.448	43
1250.0	1224.7	0.459	42
1300.0	1274.7	0.469	41
1350.0	1324.7	0.479	40
1400.0	1374.7	0.488	39
1450.0	1424.7	0.497	38
1500.0	1474.7	0.506	37
1550.0	1524.7	0.514	36
1600.0	1574.7	0.522	35
1650.0	1624.7	0.530	34
1700.0	1674.7	0.538	33
1750.0	1724.7	0.545	32
1800.0	1774.7	0.552	31
1850.0	1824.7	0.559	30
1900.0	1874.7	0.566	29
1940.0	1914.7	0.571	28

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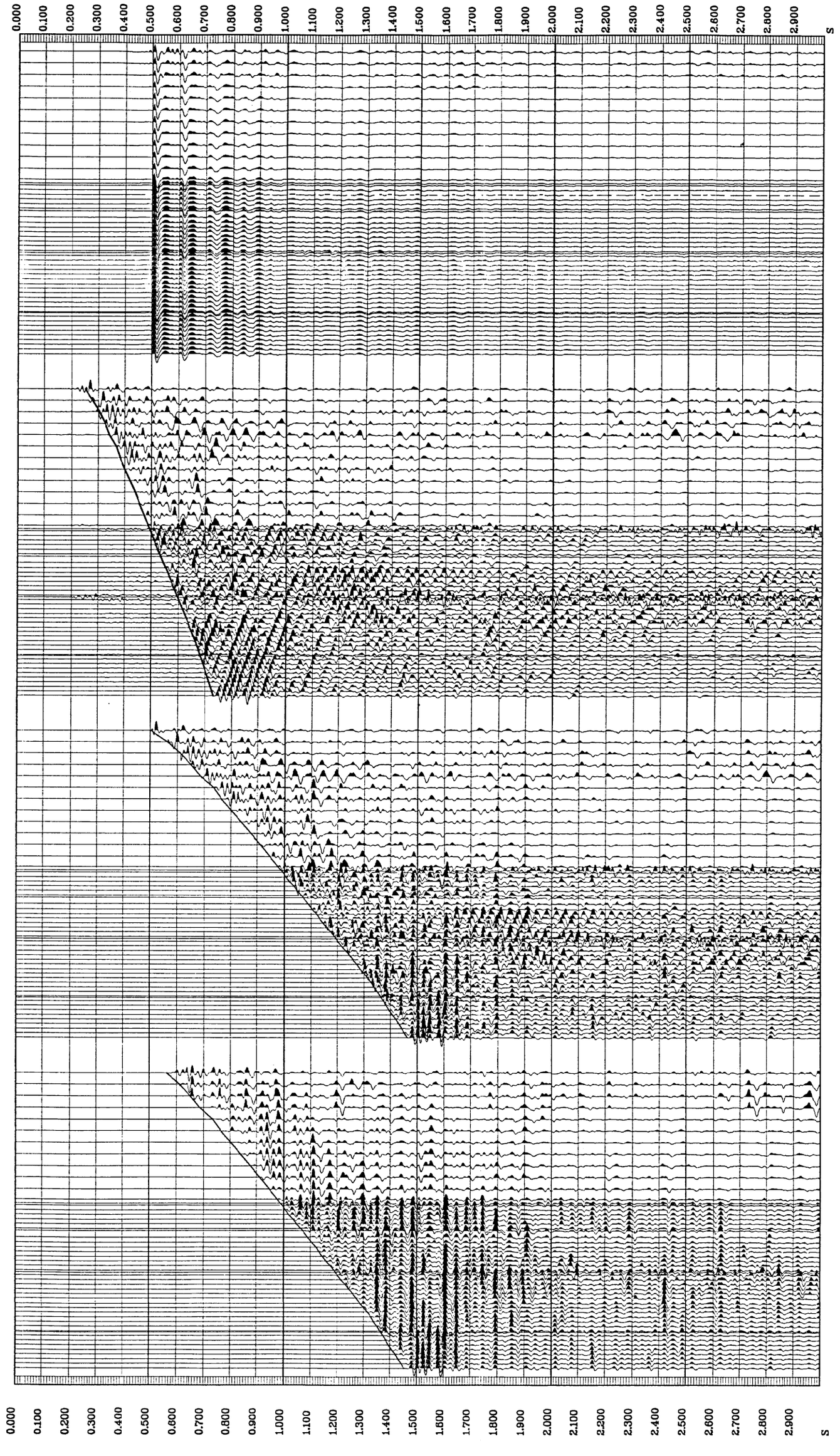

COMPANY BHP PETROLEUM PTY LTD
FIELD WILDCAT
WELL CONAN-1
COUNTRY AUSTRALIA

Schlumberger