Schlumberger

MELBOURNE LOG INTERPRETATION CENTRE

DEPT. NAT. RES & ENV
PE900844

VERTICAL SEISMIC PROFILE

ZERO OFFSET VSP **PLOT 3**

VELOCITY FILTERING

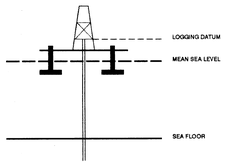
Company:	ESSO AUSTRALIA LTD				
Well:	TURRUM-6				
Field:	TURRUM				
Country:	AUSTRALIA				
Reference No:	SYJ-561162/561163	Interval:	2836.9998	to	140.00
Date Logged:	14 OCT. 1995	Date Processed:	20 OCT 1995		
Location:	038 14' 11.108" S		148 10' 24.946" E		
Elevations:	KB: 25.00	DF: 24.70	GL: -50.00		
Permanent Datum:	MSL	Depth Units:	METRES		

FIELD RECORDING:	Engineer:	RJONSSON	Location:	Program Version:	7C0-427
COMPUTATION:	Analyst:	S.TCHERKASHNEV	Centre: SYJ	Baseline:	20.5

ELEVATION ABOVE MEAN SEA LEVEL

Logging Datum: 25.00

Seismic Reference Datum: 0.00



Total Number of Levels 86

Depth Reference SRD

Time Reference SRD

Run	Date	Tool Type		Bit Size Depth	Casing Size Depth	Top Depth	Bottom Depth
1	26-09-95	DLL-LDL-GR		17.5 IN	30.0 IN	118 M	649 M
2	12-10-95	DLL-LDL-GR		12.2 IN	13.3 IN	648.5 M	2840 M

VSP Run	Date	Gun Offset	Hydro Offset	Gun Elevation	Hydro Elevation	Gun Azimuth	Hydro Azimuth
1	14-10-95	50 M	50 M	5 M BELOW MSL	10 M BELOW MSL	220 DEG	220 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 interpretation, and we shall not 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 : 5-80 HZ
NORMALISATION GATE : 100 MS
TIME VARYING GAIN : (T/T0)**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/T0)**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 : 5-80 HZ
NORMALISATION GATE : 100 MS
TIME VARYING GAIN : (T/T0)**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

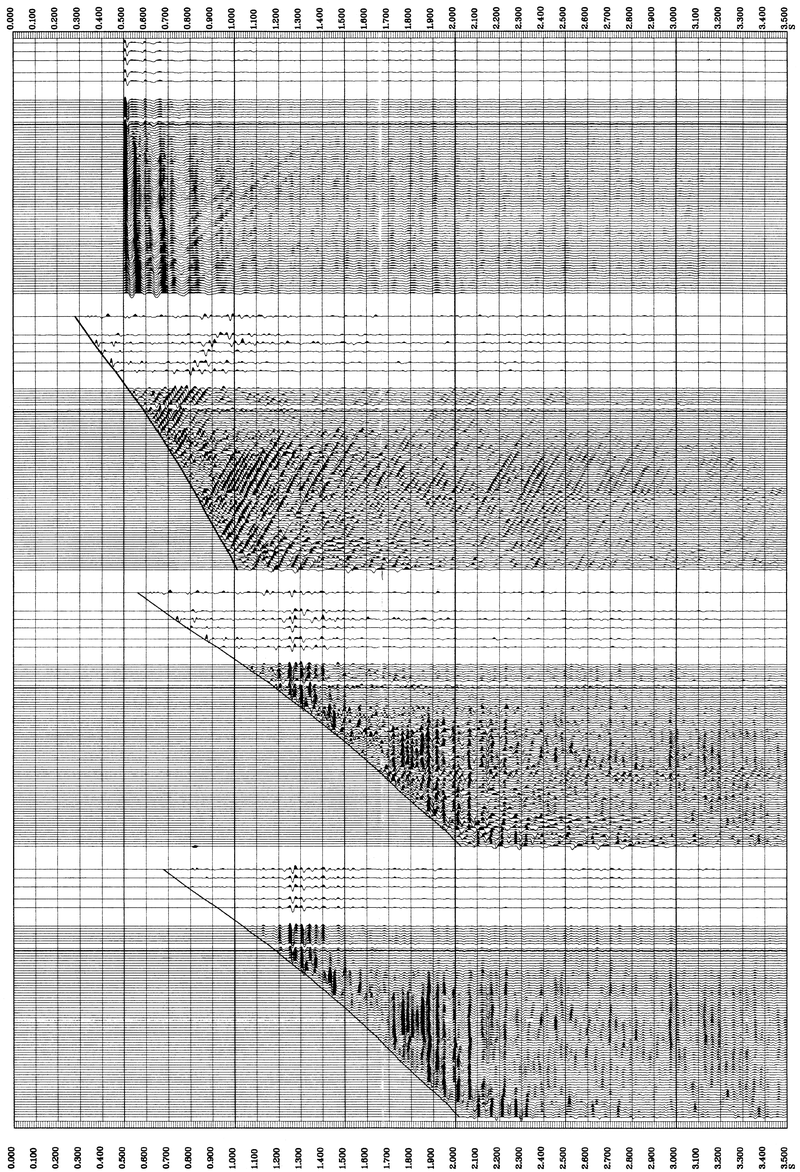
PROCESSING SEQUENCE:

MEDIAN STACK APPLIED
STATIC CORRECTION TO MSL : 6.56 MS
BAND PASS FILTER : 5-80 HZ
NORMALISATION GATE : 100 MS
TIME VARYING GAIN : (T/T0)**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
800.0	775.0	0.339	86
870.1	845.1	0.365	85
943.1	918.1	0.393	84
1039.0	1014.0	0.431	83
1110.0	1085.0	0.461	82
1290.0	1265.0	0.536	81
1360.0	1335.0	0.567	80
1430.0	1405.0	0.597	79
1500.0	1475.0	0.627	78
1570.0	1545.0	0.657	77
1640.0	1615.0	0.687	76
1710.0	1685.0	0.717	75
1780.0	1755.0	0.747	74
1850.0	1825.0	0.777	73
1920.0	1895.0	0.807	72
1990.0	1965.0	0.837	71
2060.0	2035.0	0.867	70
2130.0	2105.0	0.897	69
2200.0	2175.0	0.927	68
2270.0	2245.0	0.957	67
2340.0	2315.0	0.987	66
2410.0	2385.0	1.017	65
2480.0	2455.0	1.047	64
2550.0	2525.0	1.077	63
2620.0	2595.0	1.107	62
2690.0	2665.0	1.137	61
2760.0	2735.0	1.167	60
2830.0	2805.0	1.197	59
640.1	615.1	0.281	87
800.0	775.0	0.329	86
870.1	845.1	0.365	85
943.1	918.1	0.393	84
1039.0	1014.0	0.431	83
1110.0	1085.0	0.461	82
1290.0	1265.0	0.536	81
1360.0	1335.0	0.567	80
1430.0	1405.0	0.597	79
1500.0	1475.0	0.627	78
1570.0	1545.0	0.657	77
1640.0	1615.0	0.687	76
1710.0	1685.0	0.717	75
1780.0	1755.0	0.747	74
1850.0	1825.0	0.777	73
1920.0	1895.0	0.807	72
1990.0	1965.0	0.837	71
2060.0	2035.0	0.867	70
2130.0	2105.0	0.897	69
2200.0	2175.0	0.927	68
2270.0	2245.0	0.957	67
2340.0	2315.0	0.987	66
2410.0	2385.0	1.017	65
2480.0	2455.0	1.047	64
2550.0	2525.0	1.077	63
2620.0	2595.0	1.107	62
2690.0	2665.0	1.137	61
2760.0	2735.0	1.167	60
2830.0	2805.0	1.197	59
640.1	615.1	0.281	87
800.0	775.0	0.339	86
870.1	845.1	0.365	85
943.1	918.1	0.393	84
1039.0	1014.0	0.431	83
1110.0	1085.0	0.461	82
1290.0	1265.0	0.536	81
1360.0	1335.0	0.567	80
1430.0	1405.0	0.597	79
1500.0	1475.0	0.627	78
1570.0	1545.0	0.657	77
1640.0	1615.0	0.687	76
1710.0	1685.0	0.717	75
1780.0	1755.0	0.747	74
1850.0	1825.0	0.777	73
1920.0	1895.0	0.807	72
1990.0	1965.0	0.837	71
2060.0	2035.0	0.867	70
2130.0	2105.0	0.897	69
2200.0	2175.0	0.927	68
2270.0	2245.0	0.957	67
2340.0	2315.0	0.987	66
2410.0	2385.0	1.017	65
2480.0	2455.0	1.047	64
2550.0	2525.0	1.077	63
2620.0	2595.0	1.107	62
2690.0	2665.0	1.137	61
2760.0	2735.0	1.167	60
2830.0	2805.0	1.197	59
800.0	775.0	0.339	86
870.1	845.1	0.365	85
943.1	918.1	0.393	84
1039.0	1014.0	0.431	83
1110.0	1085.0	0.461	82
1290.0	1265.0	0.536	81
1360.0	1335.0	0.567	80
1430.0	1405.0	0.597	79
1500.0	1475.0	0.627	78
1570.0	1545.0	0.657	77
1640.0	1615.0	0.687	76
1710.0	1685.0	0.717	75
1780.0	1755.0	0.747	74
1850.0	1825.0	0.777	73
1920.0	1895.0	0.807	72
1990.0	1965.0	0.837	71
2060.0	2035.0	0.867	70
2130.0	2105.0	0.897	69
2200.0	2175.0	0.927	68
2270.0	2245.0	0.957	67
2340.0	2315.0	0.987	66
2410.0	2385.0	1.017	65
2480.0	2455.0	1.047	64
2550.0	2525.0	1.077	63
2620.0	2595.0	1.107	62
2690.0	2665.0	1.137	61
2760.0	2735.0	1.167	60
2830.0	2805.0	1.197	59



COMPANY ESSO AUSTRALIA LTD
FIELD TURRUM
WELL TURRUM-6
COUNTRY AUSTRALIA

Schlumberger