



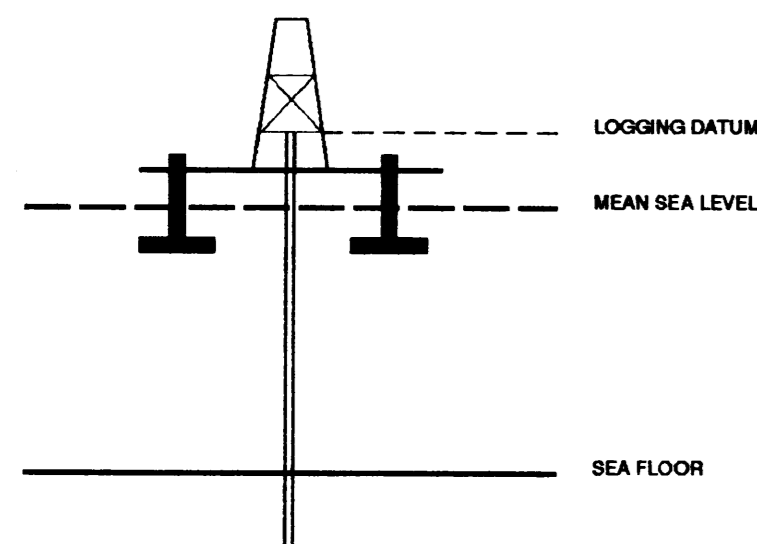
# VERTICAL SEISMIC PROFILE

## ZERO OFFSET VSP PLOT 4 WAVESHAPING DECONVOLUTION

Company: ESSO AUSTRALIA LTD.  
 Well: ORANGE ROUGHY 1  
 Field: WILDCAT  
 Country: AUSTRALIA  
 Reference No: SYJ.561133/561134 Interval: 2614.00 to 164.00  
 Date Logged: 27-JUN-1995 Date Processed: 21-JULY-1995  
 Location: 038 34' 56.99" S 148 02' 30.99" E  
 Elevations: KB: 25.00 DF: 24.70 GL: -75.00  
 Permanent Datum: MSL Depth Units: METRES  
 FIELD RECORDING: Engineer: P.M. LUBRANO Location: VEA Program Version: 700-427  
 COMPUTATION: Analyst: A. WILSON Centre: SYJ Baseline: 20.5

### ELEVATION ABOVE MEAN SEA LEVEL

Logging Datum: 25.00  
 Seismic Reference Datum: 0.00



Total Number of Levels: 38

Depth Reference: SRD

Time Reference: SRD

Run	Date	Tool Type	Bit Size/Depth	Casing Size/Depth	Top Depth	Bottom Depth
ONE	18-JUN-1995	AS-LDL	17.5 IN		82 M	753 M
TWO	28-JUN-1995	DLL-LDL-AS	12.25 IN		741 M	2905 M

VSP Run	Date	Gun Offset	Hydro Offset	Gun Elevation	Hydro Elevation	Gun Azimuth	Hydro Azimuth
ONE	27-06-1995	50 M	50 M	5 M BELOW MSL	10 M BELOW MSL	248 DEG	248 DEG

RE MARKS

FOLO HERE

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.

### \* WAVESHAPING \*

PREDICTIVE DECONVOLUTION FOLLOWED BY ZERO PHASE WAVESHAPING  
 DOWNGOING WAVEFIELD  
 PROCESSING SEQUENCE:  
 MEDIAN STACK APPLIED  
 STATIC CORRECTION TO MSL : APPLIED  
 BAND PASS FILTER : 5-80 HZ  
 NORMALISATION GATE : 100 MS  
 TIME VARYING GAIN : T/TO\*\*1.00  
 5 LEVEL MEDIAN ESTIMATE OF DOWNGOING WAVEFIELD  
 10-70 HZ WAVESHAPING DECONVOLUTION

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

### \* WAVESHAPING \*

PREDICTIVE DECONVOLUTION FOLLOWED BY ZERO PHASE WAVESHAPING  
 RESIDUAL WAVEFIELD  
 PROCESSING SEQUENCE:  
 MEDIAN STACK APPLIED  
 STATIC CORRECTION TO MSL : APPLIED  
 BAND PASS FILTER : 5-80 HZ  
 NORMALISATION GATE : 100 MS  
 TIME VARYING GAIN : T/TO\*\*1.00  
 DOWNGOING WAVEFIELD SUBTRACTION  
 10-70 HZ WAVESHAPING DECONVOLUTION

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

### \* WAVESHAPING \*

PREDICTIVE DECONVOLUTION FOLLOWED BY ZERO PHASE WAVESHAPING  
 RESIDUAL WAVEFIELD  
 PROCESSING SEQUENCE:  
 MEDIAN STACK APPLIED  
 STATIC CORRECTION TO MSL : APPLIED  
 BAND PASS FILTER : 5-80 HZ  
 NORMALISATION GATE : 100 MS  
 TIME VARYING GAIN : T/TO\*\*1.00  
 DOWNGOING WAVEFIELD SUBTRACTION  
 10-70 HZ WAVESHAPING DECONVOLUTION

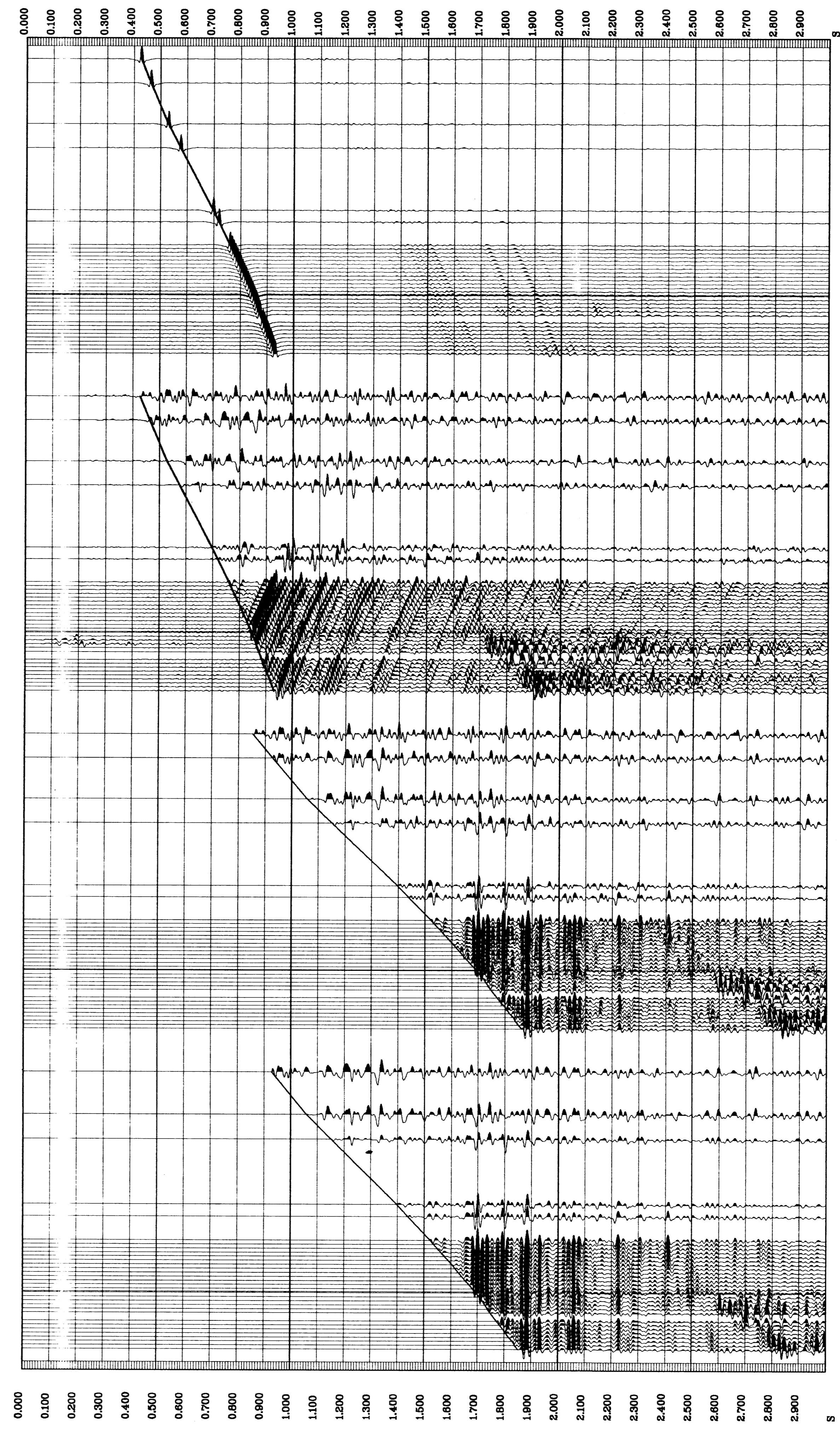
VERTICAL SCALE : 10 CM/SEC  
 POLARITY (S.E.G.) : NORMAL  
 TWO WAY TIME

### \* WAVESHAPING \*

PREDICTIVE DECONVOLUTION FOLLOWED BY ZERO PHASE WAVESHAPING  
 ENHANCED UPGOING WAVEFIELD  
 PROCESSING SEQUENCE:  
 MEDIAN STACK APPLIED  
 STATIC CORRECTION TO MSL : APPLIED  
 BAND PASS FILTER : 5-80 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

TRUE VERTICAL DEPTH MSL	TRANSIT TIME S	LEVEL NO
1036.0	0.428	36
1160.0	0.445	35
1371.0	0.530	34
1495.0	0.576	33
1817.0	0.699	32
1877.0	0.720	31
1965.0	0.762	30
2035.0	0.775	29
2075.0	0.789	28
2115.0	0.803	24
2155.0	0.815	22
2195.0	0.828	20
2235.0	0.842	18
2275.0	0.854	15
2315.0	0.866	13
2355.0	0.875	11
2395.0	0.886	9
2435.0	0.899	8
2475.0	0.909	6
2515.0	0.920	4
2555.0	0.931	2



COMPANY ESSO AUSTRALIA LTD.  
 FIELD WILDCAT  
 WELL ORANGE ROUGHY 1  
 COUNTRY AUSTRALIA

