Schlumberger

MELBOURNE LOG INTERPRETATION CENTRE

VERTICAL SEISMIC PROFILE

PE602743

ZERO OFFSET VSP — PLOT 5A

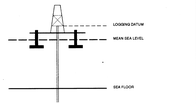
WAVESHAPING AND CORRIDOR STACK
WITH -90 DEG. PHASE ROTATION

Company:	ESSO AUSTRALIA LTD.				
Well:	BLACKBACK #3				
Field:	BLACKBACK				
Country:	AUSTRALIA				
Reference No:	SYJ.561011.1561012	Interval:	3100.00 to 500.00		
Date Logged:	05-APR-1994	Date Processed:	12-APR-1994		
Location:	038 31' 34.84" S	148 31' 05.55" E			
Elevations:	KB: 25.00	DF: 24.70	GL: -318.00		
Permanent Datum:	MSL	Depth Units:	METRES		
FIELD RECORDING	Engineer: S. NAVANDAR	Location: VSA	Program Version: 903+429		
COMPUTATION	Analyst: A. WIBISONO	Centre: EU	Baseline: 5.5		

ELEVATION ABOVE MEAN SEA LEVEL

Logging Datum: 25.00

Seismic Reference Datum: 0.00



Total Number of Levels: 37

Depth Reference: SRD

Time Reference: SRD

Run	Date	Tool Type		Bit Size Depth	Casing Size Depth	Top Depth	Bottom Depth
1	01-04-94	ARI-MSTL		8.875 IN		2760 M	3089 M
1	01-04-94	LDL-CNL		8.875 IN		2760 M	3087 M

VSP Run	Date	Gun Offset	Hydro Offset	Gun Elevation	Hydro Elevation	Gun Azimuth	Hydro Azimuth
1	06-04-94	56 M	56 M	9 M BELOW MSL	10 M BELOW MSL	209 DEG	209 DEG

REMARKS

FOLD HERE

The well name, location and business reference data were furnished by the customer.

We (Schlumberger) are obliged to keep confidential all the information and data acquired, and we shall not disclose it to anyone except the customer or anyone authorized by the customer. We warrant that we will carry out the operations and produce the results in accordance with our standard practices and procedures as described in our proposal, but we do not, expressly or by implication, warrant the effectiveness, accuracy or results of any equipment or combination of equipment we recommend or use. We shall not be liable for any direct, indirect, special or consequential damages or losses arising out of the interpretation or use made by anyone of any information we provide. In consideration of these limitations and the prices we charge, the customer agrees to indemnify us against any loss, damage or expense we may suffer or incur as a result of any claim or action brought against us in connection with any information we provide. This is an integral part of the agreement between us and the customer.

* CORRIDOR STACK + AGC *
AGC WINDOW : 200 MS
POLARITY (S.E.G.) : REVERSE

* CORRIDOR STACK *
CORRIDOR WINDOW : 150 MS
POLARITY (S.E.G.) : REVERSE

** WAVESHAPING + PHASE ROTATION **

ZERO PHASE WITH -90 DEG. PHASE ROTATION

ENHANCED UPGOING WAVEFIELD

PROCESSING SEQUENCE:

MEDIAN STACK APPLIED
STATIC CORRECTION TO MSL: 7.87 MS
BAND PASS FILTER : 5-60 HZ
NORMALISATION GATE : 100 MS
TIME VARYING GAIN : T/TO**1.00

DOWNGOING WAVEFIELD SUBTRACTION
WAVESHAPING DECONVOLUTION:
5-60 HZ ZERO PHASE WAVELET
OPERATOR LENGTH : 1.00 S
PREWHITENING : 2 %

5 LEVEL ENHANCED UPGOING WAVEFIELD

VERTICAL SCALE : 40 CM/SEC
POLARITY (S.E.G.) : REVERSE

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AGC WINDOW : 200 MS
POLARITY (S.E.G.) : NORMAL

* CORRIDOR STACK *
CORRIDOR WINDOW : 150 MS
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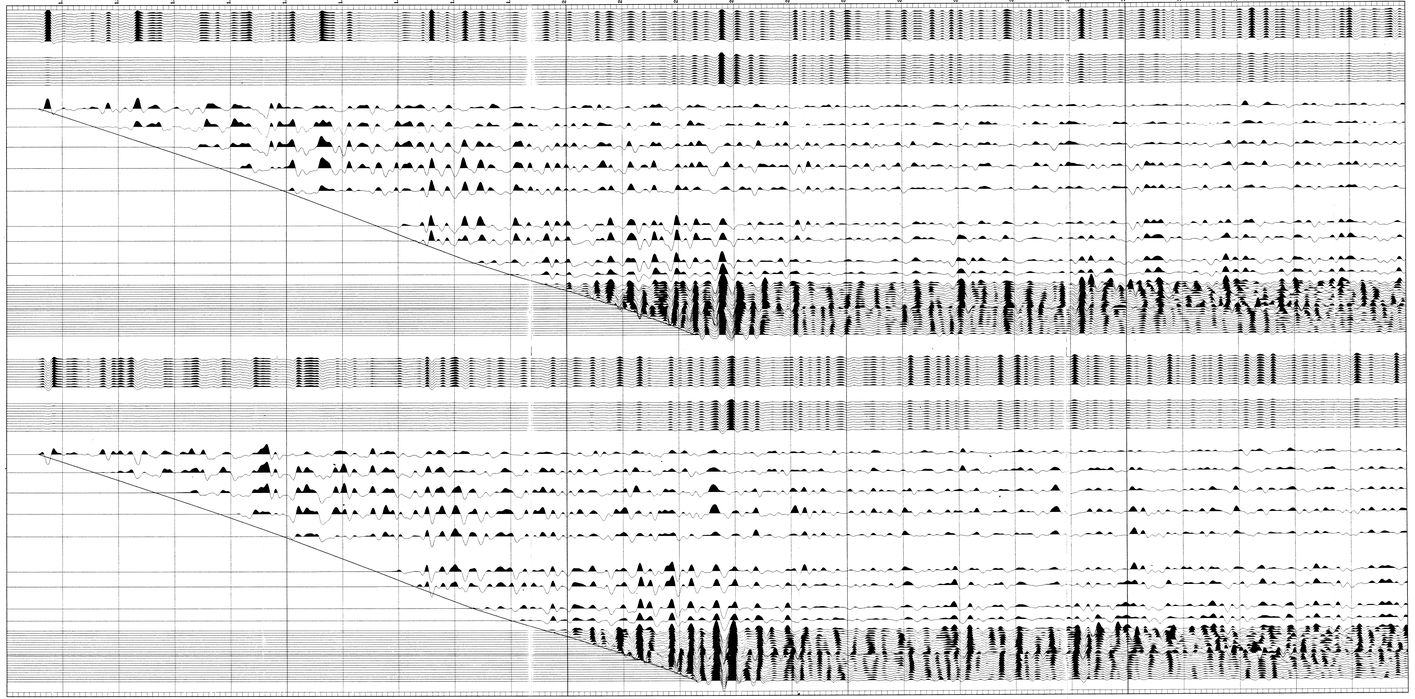
RAW DEPTH M | TRANSIT TIME S | LEVEL NO



COMPANY ESSO AUSTRALIA LTD.
FIELD BLACKBACK
WELL BLACKBACK #3
COUNTRY AUSTRALIA

Schlumberger