Schlumberger

MELBOURNE LOG INTERPRETATION CENTRE

VERTICAL SEISMIC PROFILE

ZERO OFFSET VSP — PLOT 5

WAVESHAPING AND CORRIDOR STACK

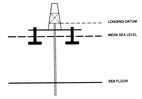
Company:	ESSO AUSTRALIA LTD.		
Well:	HALIBUT #2		
Field:	HALIBUT		
Country:	AUSTRALIA		
Reference No:	SYJ.560996	Interval:	2585.00 to 250.00
Date Logged:	05-MAR-1994	Date Processed:	11-MAR-1994
Location:	038 23' 43.42" S	148 19' 47.79" E	
Elevations:	KB: 25.00	DF: 24.70	GL: -79.00
Permanent Datum:	MSL	Depth Units:	METRES

FIELD RECORDING:	Engineer:	S.NAKAGAWA / MCPHEE	Unit Number:	VSA	Program Version:	103-425	
COMPUTATION:	Analyst:	A.NISSONO	Centre:	SYJ	Baseline:	5.5	

ELEVATION ABOVE MEAN SEA LEVEL

Logging Datum: 25.00

Seismic Reference Datum: 0.00



Total Number of Levels: 29

Depth Reference: SRD

Time Reference: SRD

Run	Date	Tool Type		Hole Depth	Casing Size Depth	Top Depth	Bottom Depth
1	02-03-94	ASI-MSFL		9.875 IN		25 M	2850 M
1	04-03-94	FWI-LDL		9.875 IN		2254 M	2569 M

VSP Run	Date	Gun Offset	Hydro Offset	Gun Elevation	Hydro Elevation	Gun Latitude	Hydro Latitude
1	06-03-94	55 M	55 M	7 M BELOW MSL	14 M BELOW MSL	37 DEG	37 DEG

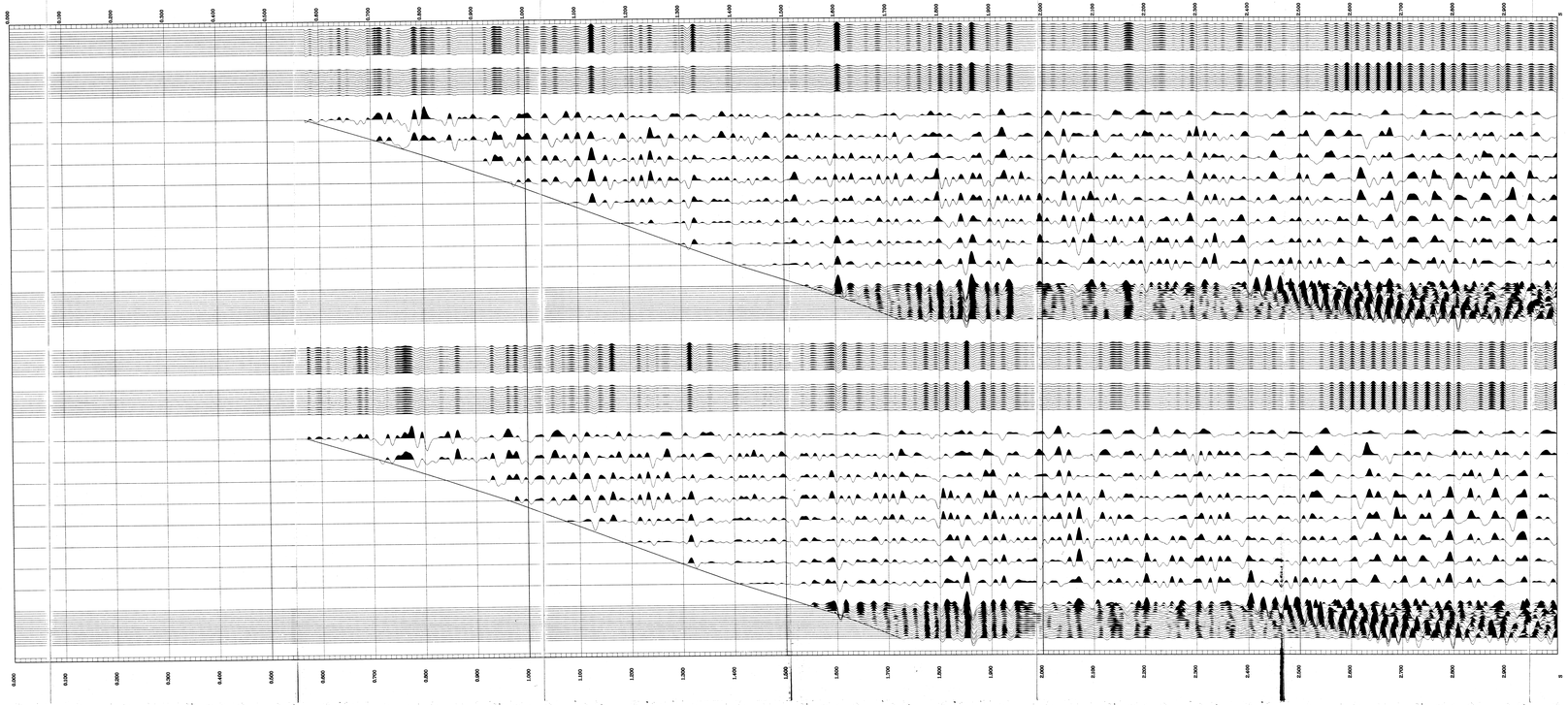
RE MARKS

All interpretations are opinions based on inferences from electrical or other measurements, and we cannot, and do not, guarantee the accuracy, adequacy or completeness of any interpretation, or the productivity of any oil or gas zone, or profitability of any operation or property. 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 our General Terms and Conditions as set forth in our current price schedule.

This report is the property and prepared for the use of the client to whom it is addressed. No part of it may be reproduced, distributed or communicated to anyone else, nor may it be altered in any way, without our prior written consent. Copyright 1994, Schlumberger Limited. All rights reserved.

* CORRIDOR STACK + AGC *			
AGC WINDOW :	400 MS		
POLARITY (S.E.G.) :	REVERSE		
* CORRIDOR STACK *			
CORRIDOR WINDOW :	150 MS		
POLARITY (S.E.G.) :	REVERSE		
** WAVESHAPING **			
WAVESHAPING DECONVOLUTION ZERO PHASE			
ENHANCED UPGOING WAVEFIELD			
PROCESSING SEQUENCE:			
MEDIAN STACK APPLIED			
STATIC CORRECTION TO MSL:	9.18 MS		
BAND PASS FILTER :	5-75 HZ		
NORMALISATION GATE :	100 MS		
TIME VARYING GAIN :	T/750*LOG		
DOWNGOING WAVEFIELD SUBTRACTION			
WAVESHAPING DECONVOLUTION:			
5-65 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		
* CORRIDOR STACK + AGC *			
AGC WINDOW :	400 MS		
POLARITY (S.E.G.) :	NORMAL		
* CORRIDOR STACK *			
CORRIDOR WINDOW :	150 MS		
POLARITY (S.E.G.) :	NORMAL		
** WAVESHAPING **			
WAVESHAPING DECONVOLUTION ZERO PHASE			
ENHANCED UPGOING WAVEFIELD			
PROCESSING SEQUENCE:			
MEDIAN STACK APPLIED			
STATIC CORRECTION TO MSL:	9.18 MS		
BAND PASS FILTER :	5-75 HZ		
NORMALISATION GATE :	100 MS		
TIME VARYING GAIN :	T/750*LOG		
DOWNGOING WAVEFIELD SUBTRACTION			
WAVESHAPING DECONVOLUTION:			
5-65 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.) :	NORMAL		

RAW DEPTH M	TRANSIT TIME S	LEVEL NO
0.0	0.000	0
0.0	0.000	0
0.0	0.000	0
0.0	0.000	0
0.0	0.000	0
455.0	0.289	27
495.0	0.302	28
535.0	0.315	29
575.0	0.328	30
615.0	0.341	31
655.0	0.354	32
695.0	0.367	33
735.0	0.380	34
775.0	0.393	35
815.0	0.406	36
855.0	0.419	37
895.0	0.432	38
935.0	0.445	39
975.0	0.458	40
1015.0	0.471	41
1055.0	0.484	42
1095.0	0.497	43
1135.0	0.510	44
1175.0	0.523	45
1215.0	0.536	46
1255.0	0.549	47
1295.0	0.562	48
1335.0	0.575	49
1375.0	0.588	50
1415.0	0.601	51
1455.0	0.614	52
1495.0	0.627	53
1535.0	0.640	54
1575.0	0.653	55
1615.0	0.666	56
1655.0	0.679	57
1695.0	0.692	58
1735.0	0.705	59
1775.0	0.718	60
1815.0	0.731	61
1855.0	0.744	62
1895.0	0.757	63
1935.0	0.770	64
1975.0	0.783	65
2015.0	0.796	66
2055.0	0.809	67
455.0	0.289	27
495.0	0.302	28
535.0	0.315	29
575.0	0.328	30
615.0	0.341	31
655.0	0.354	32
695.0	0.367	33
735.0	0.380	34
775.0	0.393	35
815.0	0.406	36
855.0	0.419	37
895.0	0.432	38
935.0	0.445	39
975.0	0.458	40
1015.0	0.471	41
1055.0	0.484	42
1095.0	0.497	43
1135.0	0.510	44
1175.0	0.523	45
1215.0	0.536	46
1255.0	0.549	47
1295.0	0.562	48
1335.0	0.575	49
1375.0	0.588	50
1415.0	0.601	51
1455.0	0.614	52
1495.0	0.627	53
1535.0	0.640	54
1575.0	0.653	55
1615.0	0.666	56
1655.0	0.679	57
1695.0	0.692	58
1735.0	0.705	59
1775.0	0.718	60
1815.0	0.731	61
1855.0	0.744	62
1895.0	0.757	63
1935.0	0.770	64
1975.0	0.783	65
2015.0	0.796	66
2055.0	0.809	67



COMPANY ESSO AUSTRALIA LTD.
FIELD HALIBUT
WELL HALIBUT #2
COUNTRY AUSTRALIA

Schlumberger