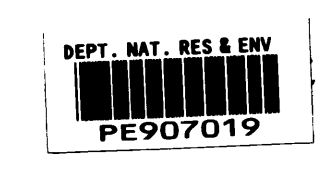


SEISMOGRAPH SERVICE LIMITED

COMPANY : PHILLIPS AUSTRALIAN OIL CO.  
 WELL : SELENE NO. 1  
 LOCATION : 38 37 24.97S  
 : 148 26 11.51E



DISPLAY : VSP UPGOING EVENTS  
 SPECIAL VSP DCONVOLUTION  
 PLUS TRACKING FILTER  
 POLARITY 1

TIME SCALE : 15 = 10CMS  
 DEPTH SCALE : 10 TRACES/INCH  
 DATE PROCESSED : FEBRUARY 1983

FIELD ACQUISITION

DATE SHOT : 6.2.83  
 SOURCE : SINGLE BOLT AIRGUN(120CU. IN)  
 SOURCE DEPTH : 4.5M BELOW MSL  
 GUN PRESSURE : 2000PSI  
 SOURCE MONITOR : NEAR FIELD HYDROPHONE  
 MONITOR DEPTH : 7.5M BELOW MSL  
 WELL GEOPHONE : GCH 100HT  
 RECORDING EQUIPMENT : DWS  
 SAMPLE RATE : 1MS  
 SURFACE ELEVATION : /  
 WATER DEPTH : 253M  
 VSP DATUM : MSL  
 DEPTH REFERENCE LEVEL : KB, 23M AMSL

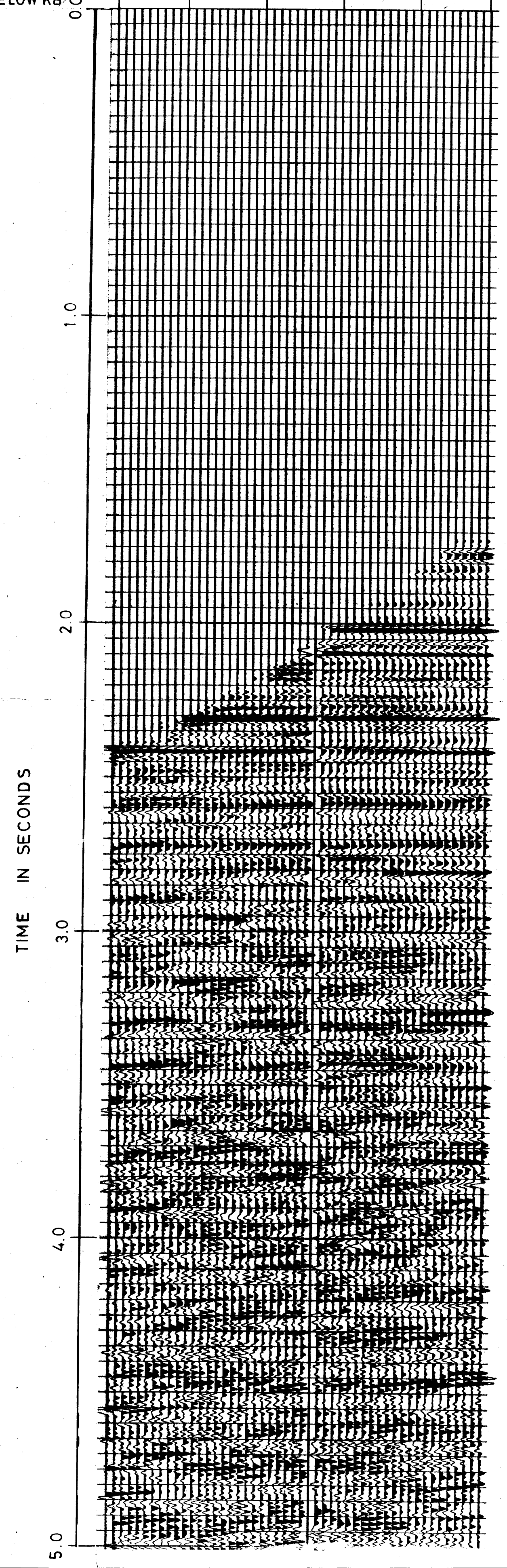
PROCESSING SEQUENCE

S4. EDIT  
 AUTOMATED TRACE ALIGNMENT  
 VERTICAL STACK OF CONSTANT DEPTH TRACES  
 SOURCE SIGNATURE DECONVOLUTION(310MS DERIVATION)  
 AMPLITUDE RECOVERY T\*\*1.0  
 FIRST ARRIVALS SHIFTED TO TWO-WAY TIME SUB DATUM  
 DOWNGOING WAVE SUBTRACTION  
 SPECIAL VSP DCONVOLUTION (1050MS DERIVATION WINDOW)  
 BANDPASS FILTER(1-5, 70-88HZ)  
 TRACKING FILTER(9:1 MEDIAN PICK, 0-4MS/TR LEFT DIP ENHANCEMENT)  
 BANDPASS FILTER(1-5, 70-88HZ)  
 S5. AS FOR S4 EXCEPT  
 BANDPASS FILTER BEFORE AND AFTER TRACKING FILTER REPLACED BY  
 TIME VARIANT FILTER FROM SEISMIC SECTION (LINE GP81-91)  
 (11-15, 55-69HZ 0.00-1.53S  
 8-10, 50-62HZ AT 1.83S  
 1-5, 45-55HZ AT 2.13S  
 1-5, 40-50HZ 2.73S TO END OF DATA)  
 S4-S5. TRACE EQUALISATION (500 MS WINDOW, 250 MS OVERLAP)  
 PRIOR TO DISPLAY

POLARITY 1 :  
 AN UPGOING COMPRESSION WAVE IS REPRESENTED BY A WHITE TROUGH  
 THE DOWNGOING FIRST ARRIVAL COMPRESSION WAVE IS A BLACK PEAK

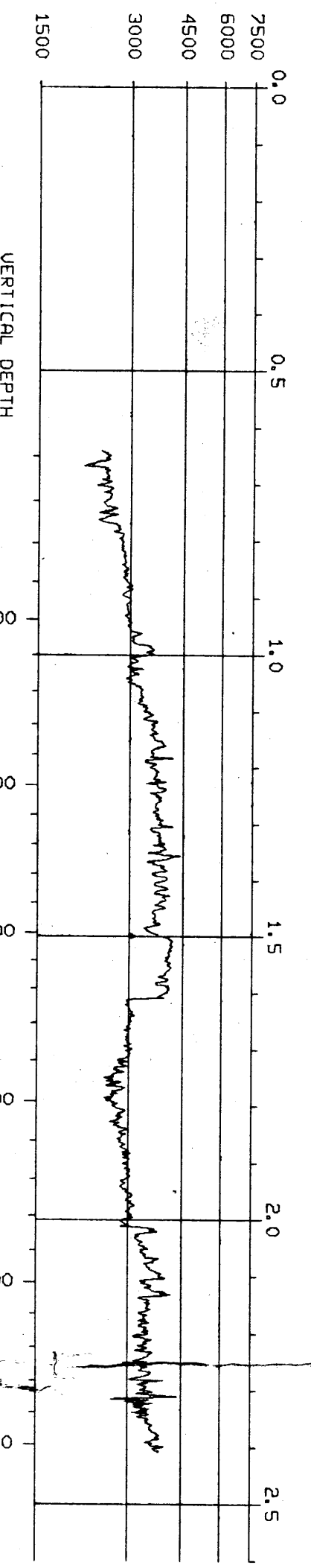
S4

LEVEL NO. : 1 10 20 30 40 49  
 DEPTH IN M. : 3535 3310 3060 2810 2560 2335  
 BELOW KB



S5

LOG<sub>10</sub> VELOCITY SCALE  
 VELOCITY IN M/S



LEVEL NO. : 1 10 20 30 40 49  
 DEPTH IN M. : 3535 3310 3060 2810 2560 2335  
 BELOW KB

