

SEISMOGRAPH SERVICE LIMITED

OIL and GAS DIVISION

25 FEB 1983

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



DISPLAY : VSP DOWNGOING EVENTS
 POLARITY 2

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

D1. EDIT
 AUTOMATED TRACE ALIGNMENT
 VERTICAL STACK OF CONSTANT DEPTH TRACES
 SOURCE SIGNATURE DECONVOLUTION(310MS DERIVATION)
 AMPLITUDE RECOVERY T**1.0
 SHIFT TO ALIGN FIRST ARRIVALS AT TIME ZERO

D2. AS FOR D1 PLUS
 9:1 MEDIAN PICK
 BANDPASS FILTER(1-5, 70-88HZ)

D1-D2 TRACE EQUALISATION (500MS WINDOW, 250MS OVERLAP)
 PRIOR TO DISPLAY

POLARITY 2 :
 AN UPGOING COMPRESSION WAVE IS REPRESENTED BY A BLACK PEAK
 THE DOWNGOING FIRST ARRIVAL COMPRESSION WAVE IS A WHITE TROUGH

D1

D2

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

1 10 20 30 40 49
 3535 3310 3060 2810 2560 2335

TIME IN SECONDS

0.0
1.0
2.0
3.0
4.0

