

LEVEL NO.
DEPTH IN M.
BELOW KB

D1

D2

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

DEPT. NAT. RES & ENV
PE907013

DISPLAY : VSP DOWNGOING EVENTS
POLARITY 1

TIME SCALE : 1S = 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 1 :
AN UPGOING COMPRESSION WAVE IS REPRESENTED BY A WHITE TROUGH
THE DOWNGOING FIRST ARRIVAL COMPRESSION WAVE IS A BLACK PEAK

TIME IN SECONDS

