

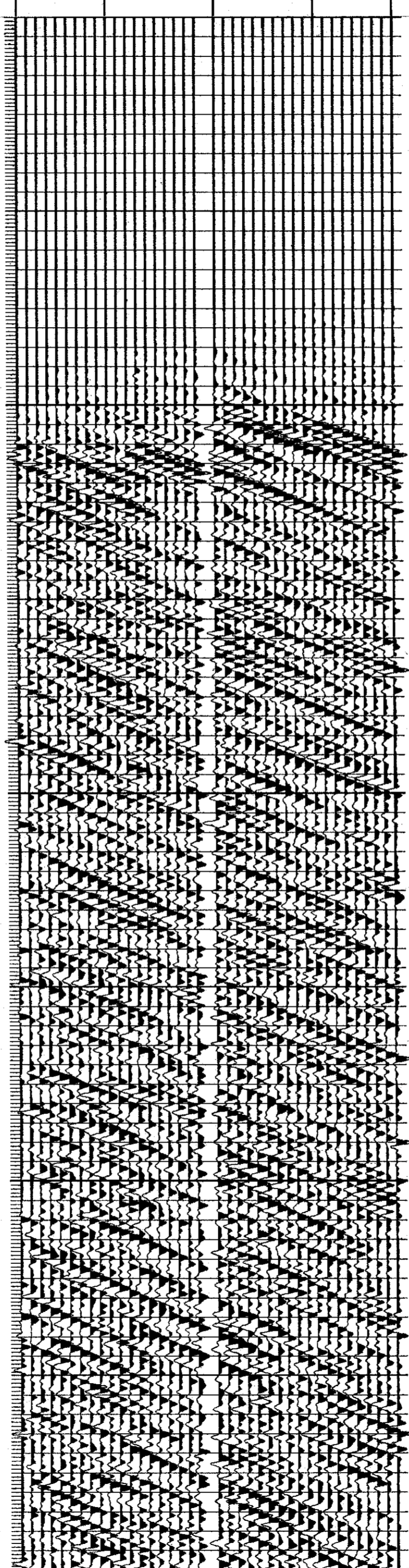
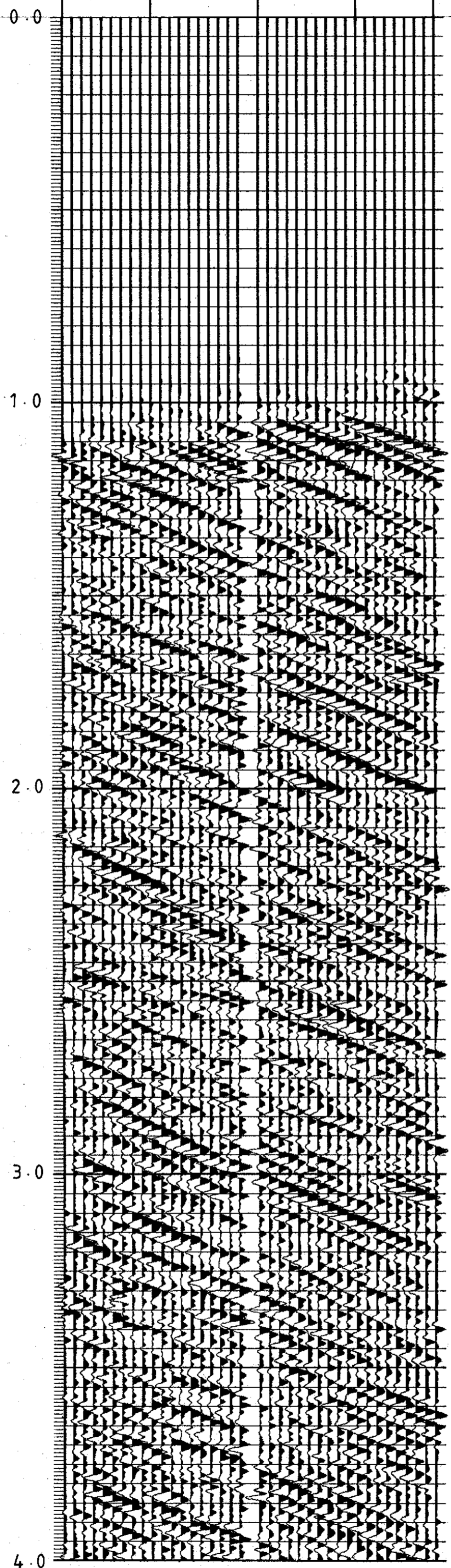
DISPLAY 4

DISPLAY 5

LEVEL No. 1 10 20 30 38
 DEPTH IN METRES BELOW RT. 2075 1850 1575 1325 1125

1 10 20 30 38
 2075 1850 1575 1325 1125

TIME IN SECONDS



SEISMOGRAPH SERVICE (ENGLAND) LTD.

COMPANY : NORSK HYDRO A/S
 WELL : 31/3-2
 LOCATION : 60° 52' 11.41" N
 03 40 41.79" E
 DISPLAY : OFFSET SOURCE (NORTH)
 VERTICAL SEISMIC PROFILE
 DISPLAY 4..UPGOING WAVEFIELD
 DISPLAY 5..DECONVOLVED UPGOING
 WAVEFIELD
 (POLARITY 2)

TIME SCALE : 10CM/SECOND
 DEPTH SCALE : 1:9843
 DATE PROCESSED : APRIL 1984

FIELD ACQUISITION

SURVEY DATE : 4TH APRIL 1984
 SOURCE : BOLT AIRGUN (80 CU. IN.)
 SOURCE DEPTH : 10M
 GUN PRESSURE : 2000PSI
 SOURCE MONITOR : NEAR-FIELD HYDROPHONE
 MONITOR DEPTH : 13M
 WELL GEOPHONE : 3D HT
 RECORDING EQUIPMENT : DWS 2
 SAMPLE RATE : 1MS
 WATER DEPTH : 344M
 VSP DATUM : MSL
 REFERENCE LEVEL : RT AT 21M AMSL
 SOURCE OFFSET : 1200M FROM WELLHEAD

PROCESSING SEQUENCE

ALL PANELS
 EDIT
 AUTOMATED TRACE ALIGNMENT
 STACK OF CONSTANT DEPTH TRACES
 SOURCE SIGNATURE DECONVOLUTION (300MS DERIVATION WINDOW)
 AMPLITUDE RECOVERY PROPORTIONAL TO T
 PLUS
 UPGOING WAVEFIELD (DISPLAY 4)
 DOWNGOING WAVE SUBTRACTION
 FIRST ARRIVALS SHIFTED TO ONE-WAY TIME SUB DATUM
 BANDPASS FILTER (9-12, 50-60HZ)
 TRACKING FILTER (7:1 MEDIAN ENHANCING RIGHT DIPS OF
 BETWEEN 9 & 13 MS/TR)
 POST MEDIAN FILTER (5-10, 60-70HZ)
 DECONVOLVED UPGOING WAVEFIELD (DISPLAY 5)
 DOWNGOING WAVE SUBTRACTION
 FIRST ARRIVALS SHIFTED TO ONE-WAY TIME SUB DATUM
 SPECIAL VSP DECONVOLUTION (600MS DERIVATION WINDOW)
 BANDPASS FILTER (AS ABOVE)
 TRACKING FILTER (7:1 MEDIAN ENHANCING RIGHT DIPS OF
 BETWEEN 9 & 13 MS/TR)
 POST MEDIAN FILTER (5-10, 60-70HZ)
 BOTH DISPLAYS: TRACE EQUALISATION (500MS WINDOW, 250MS OVERLAP)
 PRIOR TO DISPLAY

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