

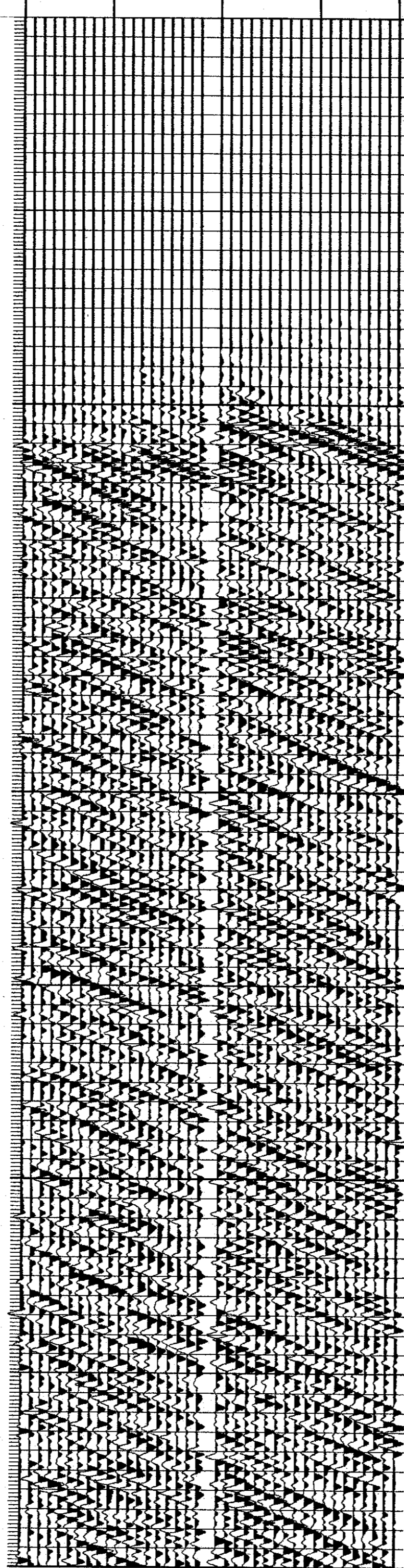
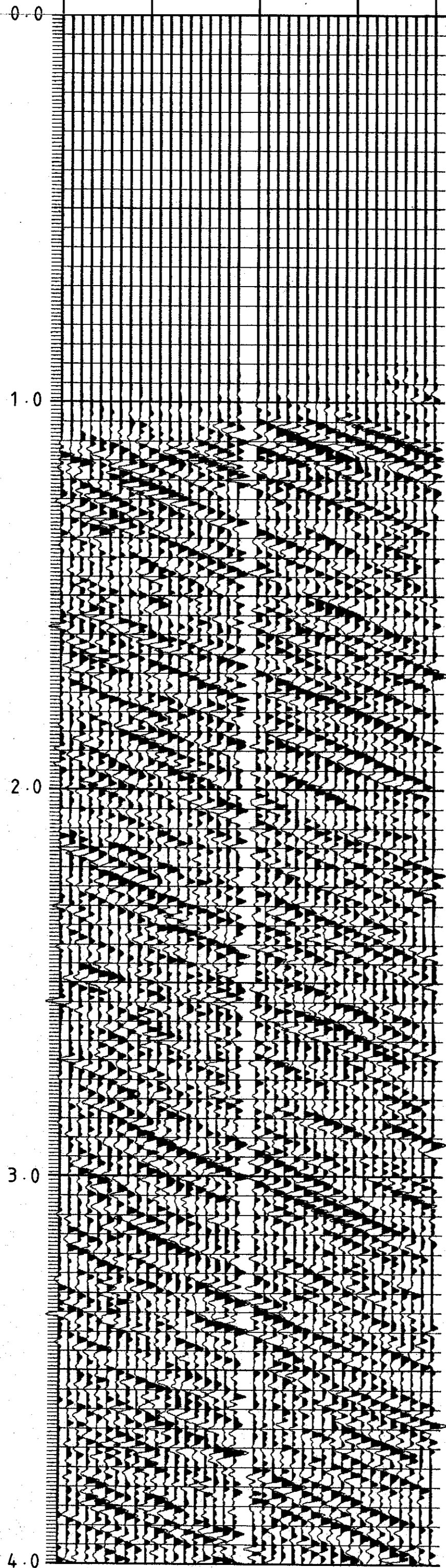
DISPLAY 4

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 1)

TIME SCALE : 10CM/SECOND  
 DEPTH SCALE : 1:3843  
 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  
 USP 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 USP 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 1:  
 AN UPGOING COMPRESSION WAVE IS REPRESENTED BY A WHITE TROUGH  
 A DOWNGOING FIRST ARRIVAL COMPRESSION WAVE IS A BLACK PEAK