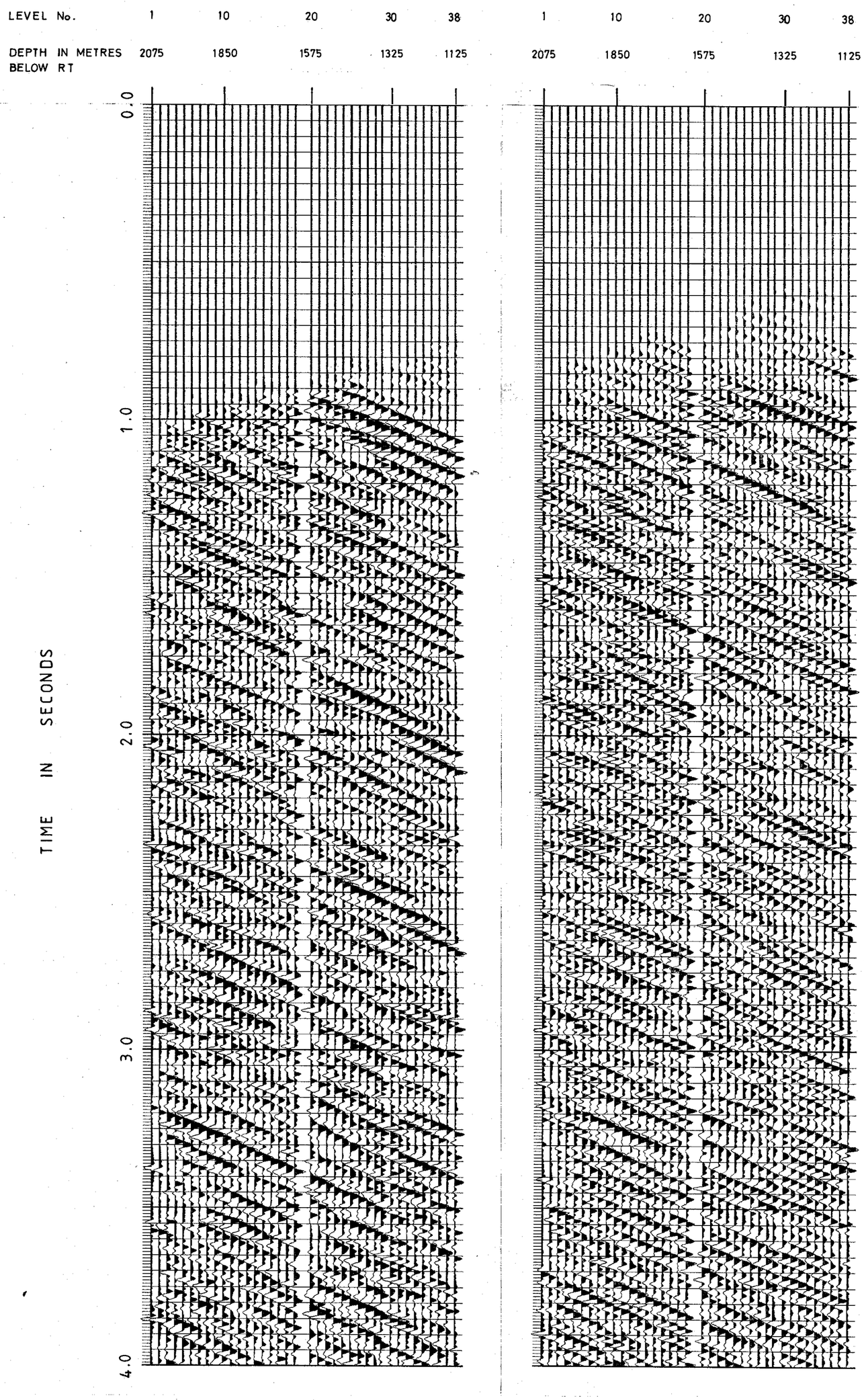
DISPLAY 4

DISPLAY 5



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 (SOUTH)
VERTICAL SEISMIC PROFILE
DISPLAY 4..UPGOING WAVEFIELD
DISPLAY 5..DECONVOLVED UPGOING WAVEFIELD
(POLARITY 1)

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	700M FROM WELLHEAD

PROCESSING SEQUENCE

ALL PANELS
- EDIT
- AUTOMATED TRACE ALIGNMENT
- STACK OF CONSTANT DEPTH TRACES
- 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 (660MS 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