



SEFEL J. & ASSOCIATES
DATA PROCESSING CONSULTANTS
(LONDON)

CLIENT CPI
PROSPECT MID ADRIATIC

TVF STACK
SEA LEVEL DATUM
SP 1 TB SP 335

LINE BR-144-01 S
DIRECTION

FIELD PARAMETERS

RECORDED BY GEOPHYSICAL OFFSHORE EXPLORATION
VESSEL M/V GREL EGEDE
RECORDING DATE APRIL 1976
INSTRUMENTS LRS-006 CBBA-1 SEG-C FORMAT
RECORD LENGTH 6.0 SECONDS
SAMPLE INTERVAL 2 MSEC
RECORDING FILTER 6/124 HZ
SOURCE 16 AIR GUNS
TOTAL GUN CAPACITY 2450 CU. IN
OPERATING PRESSURE 2000 PSI
GUN DEPTH 7.6 METRES
CABLE 46 GROUPS - 32 HYDROPHONES/GROUP
CABLE DEPTH 12.2 METRES
CENTRE OF GUNS TO CENTRE OF NEAR GROUP 230 M
GROUP INTERVAL 50 METRES
SHOT INTERVAL 25 METRES
RECORDING FOLD 4000 PERCENT
PRIMARY NAVIGATION TRISPANDER
SECONDARY NAVIGATION SAT NAV

PROCESSING SEQUENCE

- 1 DEMULTIPLY AND BINARY GAIN RECOVERY
INCLUDES RESAMPLING TO 4 MSEC
- 2 SYNTHETIC GAIN CURVE APPLICATION
 $G(DB) = 4T + 30 \text{ LOG}_{10}(T) + 20$
- 3 CDP TRACE GATHER TO 4000 PERCENT
5.0 SECOND DATA LENGTH
INCLUDES NEAR TRACE DISPLAY
INCLUDES EDITING
- 4 FILTER
5/60 HZ BANDPASS - 320 MSEC B.L.
- 5 DECONVOLUTION - W.L. LEAST SQUARES
240 MSEC OPERATOR LENGTH
24 MSEC PREDICTION TIME
MINDBM - 200 MS TO 2300 MS
SLOPE OF 1800 MS ACROSS 46 TRACES
- 6 VELOCITY ANALYSES
CONSTANT VELOCITY STACKS
- 7 NMO REMOVAL
- 8 FIRST BREAK MUTE
0-320, 400-370, 1100-920, 1500-1470
2200-2575
- 9 STACK TO 4000 PERCENT
- 10 BULK STATIC - DATUM CORRECTION
- 11 TIME VARIANT FILTER
10/50 HZ BANDPASS WB TO 1.5
8/35 HZ BANDPASS 3.0 TO 5.0
- 12 TIME VARIANT EQUALIZATION
VARIABLE WITH STRUCTURE
- 13 FILM DISPLAY
5 CM/SEC VERTICAL SCALE
4 CM = 1 KM HORIZONTAL SCALE

QC GEOPHYSICIST DATE JUNE / 1976

TIME	V RMS	V INT
1000	1440	1440
1100	1440	1440
1200	1440	1440
1300	1440	1440
1400	1440	1440
1500	1440	1440
1600	1440	1440
1700	1440	1440
1800	1440	1440
1900	1440	1440
2000	1440	1440
2100	1440	1440
2200	1440	1440
2300	1440	1440
2400	1440	1440
2500	1440	1440
2600	1440	1440
2700	1440	1440
2800	1440	1440
2900	1440	1440
3000	1440	1440
3100	1440	1440
3200	1440	1440
3300	1440	1440
3400	1440	1440
3500	1440	1440
3600	1440	1440
3700	1440	1440
3800	1440	1440
3900	1440	1440
4000	1440	1440
4100	1440	1440
4200	1440	1440
4300	1440	1440
4400	1440	1440
4500	1440	1440
4600	1440	1440
4700	1440	1440
4800	1440	1440
4900	1440	1440
5000	1440	1440

TIME	V RMS	V INT
1000	1440	1440
1100	1440	1440
1200	1440	1440
1300	1440	1440
1400	1440	1440
1500	1440	1440
1600	1440	1440
1700	1440	1440
1800	1440	1440
1900	1440	1440
2000	1440	1440
2100	1440	1440
2200	1440	1440
2300	1440	1440
2400	1440	1440
2500	1440	1440
2600	1440	1440
2700	1440	1440
2800	1440	1440
2900	1440	1440
3000	1440	1440
3100	1440	1440
3200	1440	1440
3300	1440	1440
3400	1440	1440
3500	1440	1440
3600	1440	1440
3700	1440	1440
3800	1440	1440
3900	1440	1440
4000	1440	1440
4100	1440	1440
4200	1440	1440
4300	1440	1440
4400	1440	1440
4500	1440	1440
4600	1440	1440
4700	1440	1440
4800	1440	1440
4900	1440	1440
5000	1440	1440

TIME	V RMS	V INT
1000	1440	1440
1100	1440	1440
1200	1440	1440
1300	1440	1440
1400	1440	1440
1500	1440	1440
1600	1440	1440
1700	1440	1440
1800	1440	1440
1900	1440	1440
2000	1440	1440
2100	1440	1440
2200	1440	1440
2300	1440	1440
2400	1440	1440
2500	1440	1440
2600	1440	1440
2700	1440	1440
2800	1440	1440
2900	1440	1440
3000	1440	1440
3100	1440	1440
3200	1440	1440
3300	1440	1440
3400	1440	1440
3500	1440	1440
3600	1440	1440
3700	1440	1440
3800	1440	1440
3900	1440	1440
4000	1440	1440
4100	1440	1440
4200	1440	1440
4300	1440	1440
4400	1440	1440
4500	1440	1440
4600	1440	1440
4700	1440	1440
4800	1440	1440
4900	1440	1440
5000	1440	1440

