



SEFEL J. & ASSOCIATES
DATA PROCESSING CONSULTANTS
(LONDON)

CLIENT **CPI**
PROSPECT **MID ADRIATIC**
TVF STACK
SEA LEVEL DATUM
SP 1 TO SP 446
LINE BR 141-04 SE DIRECTION

FIELD PARAMETERS

RECORDED BY GEOPHYSICAL OFFSHORE EXPLORATION VESSEL **M/V GREL EGEDÉ**
RECORDING DATE **APRIL 1976**
INSTRUMENTS **LRS-006 C08A-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 **2436 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 **30 METRES**
SHOT INTERVAL **25 METRES**
RECORDING FOLD **4800 PERCENT**
PRIMARY NAVIGATION **TRANSponder**
SECONDARY NAVIGATION **SAT NAV**

PROCESSING SEQUENCE

- 1 DEMULTIPLEX AND BINARY GAIN RECOVERY
INCLUDES RESAMPLING TO 4 MSEC
- 2 SYNTHETIC GAIN CURVE APPLICATION
G(DB) = 4T + 30 (SLOTT) + 20
- 3 CDP TRACE GATHER TO 4800 PERCENT
5.0 SECOND DATA LENGTH
INCLUDES NEAR TRACE DISPLAY
INCLUDES EDITING
- 4 FILTER
5/40 HZ BANDPASS - 320 MSEC G.L.
- 5 DECONVOLUTION - W.L. LEAST SQUARES
240 MSEC OPERATOR LENGTH
24 MSEC PREDICTION TIME
WINDOW - 200 MS TO 2300 MS
SLOPE OF 1800 MS ACROSS 46 TRACES
- 6 VELOCITY ANALYSIS
CONSTANT VELOCITY STACKS
- 7 NIS REMOVAL
- 8 FIRST BREAK MUTE
0-320, 400-370, 1100-920, 1500-1470,
2200-2575
- 9 STACK TO 4800 PERCENT
- 10 BULK STATIC - DATUM CORRECTION
- 11 TIME VARIANT FILTER
10/50 HZ BANDPASS WB TO 15
8/35 HZ BANDPASS 3-0 TO 5-0
- 12 TIME VARIANT EQUALIZATION
VARIED WITH STRUCTURE
- 13 FILM DISPLAY
5 CM/SEC VERTICAL SCALE
4 CM = 1 KM HORIZONTAL SCALE

QC GEOPHYSICIST DATE JUNE / 1976