



SEFEL J. & ASSOCIATES
DATA PROCESSING CONSULTANTS
(LONDON)

CLIENT: CPI

PURPOSE: PERMIT BR 109

TVF STACK

SEA LEVEL DATUM

SP 1 TO SP 1190

LINE BR-109-06 NE DIRECTION

RECORDED BY GEOPHYSICAL OFFSHORE EXPLORATION
VESSEL: R/V GREL EGIDE
RECORDING DATE: APR 1 1978
INSTRUMENTS: LRS-000 CDBA-1 SEG-C FORMAT
RECORD LENGTH: 6.0 SECONDS
SAMPLE INTERVAL: 2 MSEC
RECORDING FILTER: 6/124 HZ
SUBALVE: 16 AIR GUNS
TOTAL GUN CAPACITY: 2430 CU IN
OPERATING PRESSURE: 2000 PSI
GUN DEPTH: 7.6 METRES
CABLE: 40 GROUPS - 52 HYDRAPHANE S-CORP
CABLE DEPTH: 12.2 METRES
CENTRE OF GUNS TO CENTRE OF NEAR GROUP: 250 FT
GROUP INTERVAL: 50 METRES
SHOT INTERVAL: 25 METRES
RECORDING FOLD: 4000 PERCENT
PRIMARY NAVIGATION: RESPONDER
SECONDARY NAVIGATION: SAT NAV

- PROCESSING SEQUENCE:
1. DENALITEX AND BINARY GAIN RECOVERY
INCLUDES RESAMPLING TO 4 MSEC
 2. SYNTHETIC GAIN CURVE APPLICATION
G(GB) = 41 + 30 LOG(GB) + 20
 3. COP TRACE GATHER TO 4000 PERCENT
INCLUDES NEAR TRACE DISPLAY
INCLUDES EDITING
 4. FILTER
5/60 HZ BANDPASS - 520 MSEC B.L.
 5. DECONVOLUTION - 4 L. LEAST SQUARES
200 MSEC OPERATOR LENGTH
24 MSEC PREDICTION TIME
MEMORY - 2000 MS TO 4000 MS
SLOPE OF 1800 MS ACROSS 40 TRACES
 6. VELOCITY ANALYSES
CONSTANT VELOCITY STACKS
 7. NDB REVEAL
 8. FIRST BREAK PUTE
0-320, 400-370, 1000-1320
2200-2570
 9. STACK TO 4000 PERCENT
 10. BULK STATIC DATUM CORRECTION - 4ms
 11. TIME VARIANT FILTER
1/250 HZ BANDPASS WB TO 1.5
8/35 HZ BANDPASS 5.0 TO 5.0
FOLLOWS UNCERTAINTY
 12. TIME VARIANT EQUALIZATION
VARIED WITH STRUCTURE
 13. FILM DISPLAY
5 CM/SEC VERTICAL SCALE
4 CM = 1 M HORIZONTAL SCALE

OK. GEOPHYSICIST DATE: JUNE 1978

