



SEFEL J. & ASSOCIATES
DATA PROCESSING CONSULTANTS
(LONDON)

CLIENT: COMPAGNIA
PETROLIFERA ITALIANA
PROJECT: NORTH ADRIATIC SEA
[PERMIT AR54-11]
TIV STACK
SEA LEVEL DATUM
SP 1 TO SP 1240
LINE AR54-11 DIRECTION N E

RECORDED BY GEOPHYSICAL OFFSHORE EXPLORATION
RECORDING DATE: FEBRUARY 1976
VESSEL: R/V GEL EDELE
INSTRUMENTS: LRS-500 CBR-1 SEC-C FARRAT
RECORD LENGTH: 6.0 SECONDS
SAMPLE INTERVAL: 2 MSEC
RECORDING FILTER: 64/24 HZ
SOURCE: 16 AIR GUNS
TOTAL GUN CAPACITY: 2400 CUBIC IN
OPERATING PRESSURE: 2000 PSI
GUN DEPTH: 7.6 METRES
CABLE: 45 GROUPS - 32 HYDRAPHONES/GROUP
CABLE DEPTH: 12.2 METRES
CENTRE OF GUNS TO CENTRE OF NEAR GROUP: 225 M
GROUP INTERVAL: 50 METRES
SHOT INTERVAL: 25 METRES
RECORDING FOLD: 4500 PERCENT
PRIMARY NAVIGATION: TRANSPONDER
SECONDARY NAVIGATION: SAT NAV

- PROCESSING DETAILS
1. DEMULTIPLEX AND BINARY GAIN RECOVERY
INCLUDES RESAMPLING TO 4 MSEC
 2. SYNTHETIC GAIN CURVE APPLICATION
GAIN = 41 - SOLGLOT (1) + 20
 3. COP TRACE GATHER TO 4500 PERCENT
5.0 SECOND DATA LENGTH
INCLUDES NEAR TRACE DISPLAY
INCLUDES EDITING
 4. FILTER
5-60 HZ BANDPASS - 320 MSEC G.L.
DECONVOLUTION - ALL LEAST SQUARES
200 MSEC OPERATION LENGTH
32 MSEC PREDICTION TIME
WINDOW - 48-50 MS TO 48+2950 MS
 5. VELOCITY ANALYSIS
SLIPS BY 1620 MS ACROSS 45 TRACES
 6. VELOCITY STACKS
CONSTANT VELOCITY STACKS
 7. MS REVERSE
 8. FIRST BREAK PLATE
0-250 200-275 400-500 750-575
2300-2325
 9. STACK TO 4500 PERCENT
 10. BULK STATIC - DATUM CORRECTION
 11. TIME VARIANT FILTER
10-45 HZ BANDPASS FROM 1.5
0-30 HZ BANDPASS FROM 5.0 TO END
1500 MSEC OVERLAP ZONE
 12. TIME VARIANT EQUALIZATION
 13. FILM DISPLAY
5 CM SEC VERTICAL SCALE
16 CM x 1 M HORIZONTAL SCALE

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MAY 1976

