

CONFIDENZIALE
RISERVATO

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SEFEL J. & ASSOCIATES
DATA PROCESSING CONSULTANTS
(LONDON)

CLIENT COMPAGNIA
PETROLIFERA ITALIANA
PROSPECT SOUTH ADRIATIC SEA
PERMIT BR 147
TVF STACK
SEA LEVEL DATUM
SP 1 TO SP 451
LINE 06 DIRECTION NE

FIELD PARAMETERS
RECORDED BY GEOPHYSICAL OFFSHORE EXPLORATION
RECORDING DATE APRIL 1978
VESSEL M/V GABEL EGEDJE
INSTRUMENTS LRS-060 CDBA-1 SEG-C FORMAT
RECORD LENGTH 5.0 SECONDS
SAMPLE INTERVAL 2 MSEC
RECORDING FILTER 6/124 HZ
SOURCE 16 AIR GUNS
TOTAL GUN CAPACITY 2438 CU. IN
OPERATING PRESSURE 2000 PSI
GUN DEPTH 7.6 METRES
CABLE 44 GROUPS - 32 HYDROPHONES/GROUP
CABLE DEPTH 12.2 METRES
CENTRE OF GUNS TO CENTRE OF NEAR GROUP 203 M
GROUP INTERVAL 50 METRES
SHOT INTERVAL 25 METRES
RECORDING FOLD 400 PERCENT
PRIMARY NAVIGATION TRISPONDER
SECONDARY NAVIGATION SAT NAV

PROCESSING SEQUENCE
1 DEMULTIPLY AND BINARY GAIN RECOVERY
INCLUDES RESAMPLING TO 4 MSEC
2 SYNTHETIC GAIN CURVE APPLICATION
3 CDP TRACE GATHER TO 400 PERCENT
5.0 SECONDS DATA LENGTH
INCLUDES NEAR TRACE DISPLAY
INCLUDES EDITING
4 FILTER
3/60 HZ BANDPASS - 320 MSEC 8. L.
5 DECONVOLUTION - W.L. LEAST SQUARES
200 MSEC OPERATOR LENGTH
32 MSEC PREDICTION TIME
WINDOW - MB-50 MS TO MB+2950 MS
SLOPE OF 1660 MS ACROSS 44 TRACES
6 VELOCITY ANALYSES
CONSTANT VELOCITY STACKS
7 NMO REMOVAL
8 FIRST BREAK MUTE
0-226 200-253 400-276 750-553
2500-2353
9 STACK TO 400 PERCENT
10 BULK STATIC - DATUM CORRECTION
11 TIME VARIANT FILTER
10/50 HZ BANDPASS FROM MB TO 1.5
0/35 HZ BANDPASS FROM 3.0 TO END
1500 MSEC OVERLAP ZONE
12 TIME VARIANT EQUALIZATION
13 FILM DISPLAY
5 CM/SEC VERTICAL SCALE
4 CM = 1 KM HORIZONTAL SCALE

COMMENTS
NORMAL POLARITY
QC GEOPHYSICIST J.A.S. DATE JULY / 1978

