





SEFEL J. & ASSOCIATES
DATA PROCESSING CONSULTANTS
(LONDON)

CLIENT: COMPAGNIA
PETROLIFERA ITALIANA

PROSPECT: MID ADRIATIC SEA
PERMIT BR 145
TVS STACK
SEA LEVEL DATUM
SP 1 TO SP 1190

LINE 18 DIRECTION NE →

FIELD PARAMETERS

RECORDED BY GEOPHYSICAL OFFSHORE EXPLORATION
RECORDING DATE: APRIL 1979
VESSEL: M.V. GABEL EGEDÉ
INSTRUMENTS: LRS-666 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: 2436 CU. IN.
OPERATING PRESSURE: 2000 PSI
GUN DEPTH: 7.6 METRES
CABLE DEPTH: 44 CRABUPS - 32 HYDROPHONES/GROUP
CABLE DEPTH: 12.2 METRES
CENTRE OF GUNS TO CENTRE OF NEAR GROUP: 205 M
GROUP INTERVAL: 30 METRES
SHOT INTERVAL: 25 METRES
RECORDING FOLD: 1400 PERCENT
PRIMARY NAVIGATION: TRISPANDER
SECONDARY NAVIGATION: SAT NAV

PROCESSING SEQUENCE

- 1 DEMULTIPLEX AND BINARY GAIN RECOVERY
INCLUDES RESAMPLING TO 4 MSEC
- 2 SYNTHETIC GAIN CURVE APPLICATION
- 3 CDP TRACE GATHER TO 1400 PERCENT
5.0 SECOND DATA LENGTH
INCLUDES NEAR TRACE DISPLAY
INCLUDES EDITING
- 4 FILTER
5/40 HZ BANDPASS - 320 MSEC B.L.
- 5 DECONVOLUTION - ALL LEAST SQUARES
200 MSEC OPERATOR LENGTH
32 MSEC PREDICTION TIME
WINDOW - 48-50 MS TO 48+2750 MS
SLOPE OF 1440 MS ACROSS 44 TRACES
- 6 VELOCITY ANALYSES
CONSTANT VELOCITY STACKS
- 7 NFB REMOVAL
- 8 FIRST BREAK MUTE
0-220 200-255 400-270 750-355
2500-2355
- 9 STACK TO 1400 PERCENT
- 10 BULK STATIC - DATUM CORRECTION
- 11 TIME VARIANT FILTER
10-50 HZ BANDPASS FROM 48 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

GC GEOPHYSICIST J.A.S. DATE JULY 1979