

127-35-21

AGIP

RUSTIGAZZO

SW288

LINE PC 314-81

103NE

SLALOM LINE *

PL N° 4A

C1200% - AMCO-D - TVF

MAY 27-82

FIELD RECORDING 1200 %

Contractor C.G.G.

SHOOTING DATE JANUARY 15 to 22/82

RECORDING EQUIPMENT

SN33M 48 TRACES

TAPE N° 195, 196, 197

AMPLIFIERS LCMH - HC150M

FILTERS 2 ms

SAMPLING 7 s

RECORDING LENGTH 2 s

SOURCE

EXPLOSIVE total charge 2 kg

DEPTH 24 m (1 hole)

SHOT split spread

OFFSET 20 + 20 m

DISTANCE BETWEEN SP 40 m

GEOPHONE SPREAD

TYPE SML

FREQUENCY 10 Hz

N° OF TRACES 48

DISTANCE BETWEEN TRACES 40 m

GEOPHONES / TRACE 18

SURFACE CORRECTIONS

METHOD CS + VT

VELOCITIES 2500 m/s

Comments

DIGITAL PROCESSING

4 ms Sampling

- AMPLITUDE RECOVERY

- RESAMPLING 2 ms to 4 ms

- REFLECTION POINTS (RP) GATHERING AND DIVISION INTO 7 LINES

- STATIC CORRECTIONS (FROM GROUND LEVEL TO DPC)

- DECONVOLUTION MINIMUM PHASE

gates: 200 - 1000 ms L=100 ms F=1050

800 - 2000 ms " " "

1800 - 3500 ms " " "

- TIME VARIANT FILTER* 1

- TRACE EQUALIZATION L=600 ms

- CONTINUOUS VELOCITY ANALYSIS (velocity scan)

- WVO CORRECTIONS* (linear interpolation between velocity functions)

- AUTOMATIC STATIC ADJUSTMENT

- VARIABLE STACK

- TIME VARIANT FILTER* 2

- SPATIAL COHERENCE ENHANCEMENT (AMCO-D) dips + 8 ms/trace

- TRACE EQUALIZATION L=1000 ms

- STATIC CORRECTIONS (from DPC to SP)

- ANALOG DISPLAY

*Origin of times is at the RP of computation (DPC average ground level) DPC on the section

HORIZONTAL SCALE: 1 0.5 km

VERTICAL SCALE: 10 cms = 1 sec

VELOCITY OF HOMOGENEITY: 2000 m/s

DATUM PLANE AT: 0 m

* C.G.G. Trade Mark

COMPAGNIE GENERALE DE GEOPHYSIQUE

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