



CANADA NORTHWEST, ITALIANA SPA.

LINE : TC-2/CM-10 - 84

SOURCES: 73 - 254  
AREA: ITALIA ZONE 4  
PERMIT: COLLE DI STELLA  
DATUM: MEAN SEA LEVEL

MIGRATION

ENSGN Geophysics Ltd

ACQUISITION

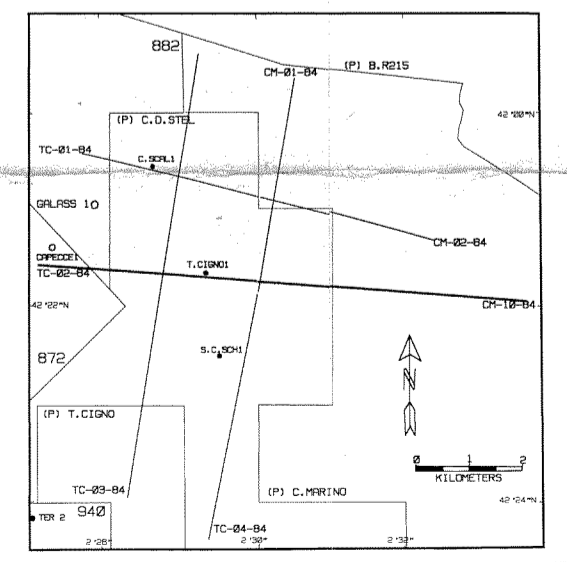
COMPANY: S.I.G. SPA  
DATE: APRIL 1984  
SOURCE: ENERGY SOURCE DYNAMITE  
CHARGE NOMINALLY 5 KG  
HOLE DEPTH NOMINALLY 25 M  
SOURCE PATTERN SINGLE HOLE  
SHOT INTERVAL NOMINALLY 200 M  
RECORDING INSTRUMENTS DFS V  
FILTER LOW CUT 12 HZ  
HIGH CUT 128 HZ  
NOTCH 50 HZ  
DATA LENGTH 7 S  
SAMPLE RATE 2 MS  
CABLE: CONFIGURATION 60 TRACE SPLIT SPREAD  
GROUP INTERVAL 500 M  
NEAR OFFSET 0.5 M  
FAR OFFSET 1475 M  
GEOPHONE TYPE SENSOR SM 4U  
GEOPHONE GROUP 2 PARALLEL ROWS OF 12, 10 M APART. TOTAL LENGTH 50 M.

PROCESSING

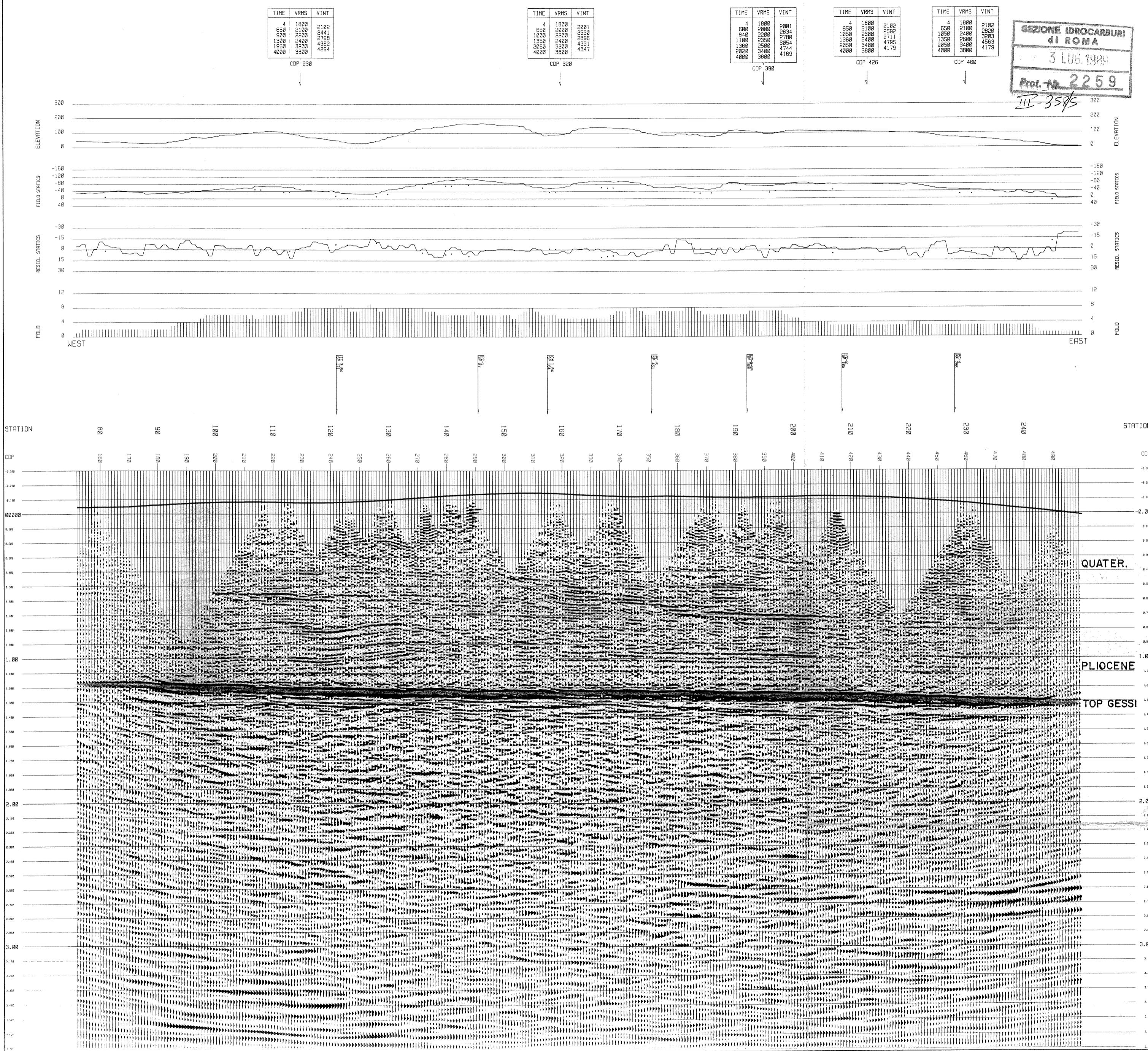
COMPANY: ENSIGN GEOPHYSICS LTD., ADLESTONE  
DATE: APRIL 1985  
CONTRACT NO.: 565  
DATA LENGTH 4 S  
SAMPLE RATE: 4 MS  
1. DEMULTIPLY AND GAIN RECOVERY  
2. RESAMPLE TO 4 MS  
3. TRACE EDIT  
4. SPHERICAL DIVERGENCE COMPENSATION  
5. EXPONENTIAL GAIN RECOVERY  
COMPENSATION RATE: 6 DB/S  
6. FIRST BREAK SUPPRESSION  
7. ITERATIVE AGC  
WINDOW LENGTH: 500 MS  
8. SURFACE CONSISTENT DECONVOLUTION  
DERIVATION RATE: 0.3 - 1.5 S  
OPERATOR LENGTH: 25  
WHITE NOISE: 0.1 %  
DESIGN GATE: 0.2 - 2.7 S AT 25 M  
APPLICATION GATE: WHOLE TRACE  
9. ITERATIVE AGC  
WINDOW LENGTH: 500 MS  
10. COMMON DEPTH POINT SORT  
TYPE: STRAIGHT LINE GEOMETRY  
11. STATIC APPLICATION  
DATUM: SMOOTH SURFACE  
12. APPLICATION OF SURFACE CONSISTENT RESIDUAL STATICS  
DERIVATION RATE: 1.0 - 1.5 S  
DERIVATION FREQUENCY: 10 - 20 HZ  
PILOT LENGTH: 51 TRACES  
MAX. SHIFT: 20 MS  
13. VELOCITY CORRECTION  
DERIVATION: CONSTANT VELOCITY STACKS  
14. APPLICATION OF NON-SURFACE CONSISTENT RESIDUAL STATICS  
DERIVATION RATE: 0.3 - 1.5 S  
PILOT LENGTH: 3 TRACES  
MAX. SHIFT: 10 MS  
15. NORMAL MOVEOUT MUTE  
TIME (S): 200  
OFFSET (M): 125  
1.00  
2115  
3000  
16. COMMON DEPTH POINT STACK  
NOMINAL FOLD: 750 %  
TYPE: ROOT N FOLD COMPENSATION  
17. FILTER  
TIME (S) LOW-CUT HZ (DB/OCT) HIGH-CUT HZ (DB/OCT)  
0.0 - 1.5 8 (50) 60 (80)  
3.0 - 4.0 8 (50) 45 (80)  
18. WAVE EQUATION MIGRATION  
VELOCITY FIELD: 90% SMOOTHED RMS  
AVERAGED FLOATING DATUM  
TIME STEP: 24 MS  
19. FILTER  
TIME (S) LOW-CUT HZ (DB/OCT) HIGH-CUT HZ (DB/OCT)  
0.0 - 1.5 8 (50) 60 (80)  
3.0 - 4.0 8 (50) 45 (80)  
20. STATIC APPLICATION  
DATUM: MEAN SEA LEVEL  
N.B. ALL FILTER CUTS AND SLOPES SPECIFIED AT 3 DB DOWN POINT

DISPLAY

SYSTEM: SCITEX LASER PLOTTER  
VERTICAL SCALE: 5 CM/SEC  
HORIZONTAL SCALE: 1:25,000  
BLAS: 15 %  
GAIN: 1.00  
POLARITY: SEG:BLACK IS POSITIVE



ALL. 5



SEZIONE IDROCARBURI  
di ROMA  
3 LUG. 1984  
Prof. No. 2259  
HP 35/5