



OSSERVATORIO GEOFISICO SPERIMENTALE - TRIESTE

SEISMIC SECTION

CREW : TD-143

SEISMIC REFLECTION SURVEY

FOR

MINERARIA TEXAS ITALIANA S.p.A.

PROJECT

PALAZZO S. GERVASIO

LINE PG-2

S.E. →

PG-1

PG-3

PG-4

126

120

115

110

105

100

95

93

Supervisor : Prof. Itilio Finetti	Report n° 71459	Enclosure n° 5
Party Chief : Luciano Zampieri	Trieste, December 31, 1971	TC - 1134

RECORDING:

O.G.S. - PARTY TD-143

Recording instrument: T.I. DFS/10000  
 Sample rate: 2 msec.  
 Record length: 5 sec  
 Spread length: 1200 m  
 Number of traces: 24  
 Group interval: 50 m  
 Geoph/group: 24  
 Coverage: 4 fold  
 Recording filters: 12/38-70/24

PROCESSING:

O.G.S./DIGICON - BARI  
 Gain removal  
 Spherical divergence correction  
 Trace edit  
 Digital AGC  
 CVS Velocity analysis S.P.112  
 Wide band normal moveout correction  
 Datum statics: datum plane = 250 m  
 Band pass filters:

Low	High	Slope
8	64	3db/cycle

Digital AGC  
 Digital automatic statics  
 4 Fold gather and stacking  
 T.V. Predictive deconvolution

T.V. FILTER	Low	High	Time	Slope
	18	40	0.1	3 db/cycle
	12	38	0.4	3 db/cycle
	12	34	1.0	3 db/cycle
Digital	10	28	4.0	3 db/cycle

Digital AGC  
 Film display

VELOCITY FUNCTIONS

	Reflection Time	Average velocity
S.P. 96-102	0	2200
	.250	2700
	1.700	3600
	3.800	4500
	5.000	5000
S.P. 119-129	0	2200
	.3	2400
	.4	2495
	1.2	3118
	1.4	3404
	3.0	3930
	5.0	4840

