

CNW-103-05 MIGRATED STACK

MIGRATION VELOCITIES			MIGRATION VELOCITIES		
AT CDP	103		AT CDP	197	
TIME	V-RMS	V-INT	TIME	V-RMS	V-INT
ms	m/s	m/s	ms	m/s	m/s
410	1480	1480	320	1480	1480
840	1652	1801	1000	1704	1800
1210	1837	2200	1390	1857	2201
1500	1983	2502	1720	1996	2498
3620	3673	4500	3780	3584	4499
5000	4083	5001	5000	3976	4999

MIGRATION VELOCITIES			MIGRATION VELOCITIES		
AT CDP	360		AT CDP	360	
TIME	V-RMS	V-INT	TIME	V-RMS	V-INT
ms	m/s	m/s	ms	m/s	m/s
275	1480	1480	275	1480	1480
1070	1723	1799	1070	1723	1799
1780	1927	2199	1780	1927	2199
2200	2049	2501	2200	2049	2501
3890	3342	4499	3890	3342	4499
5000	3774	5002	5000	3774	5002

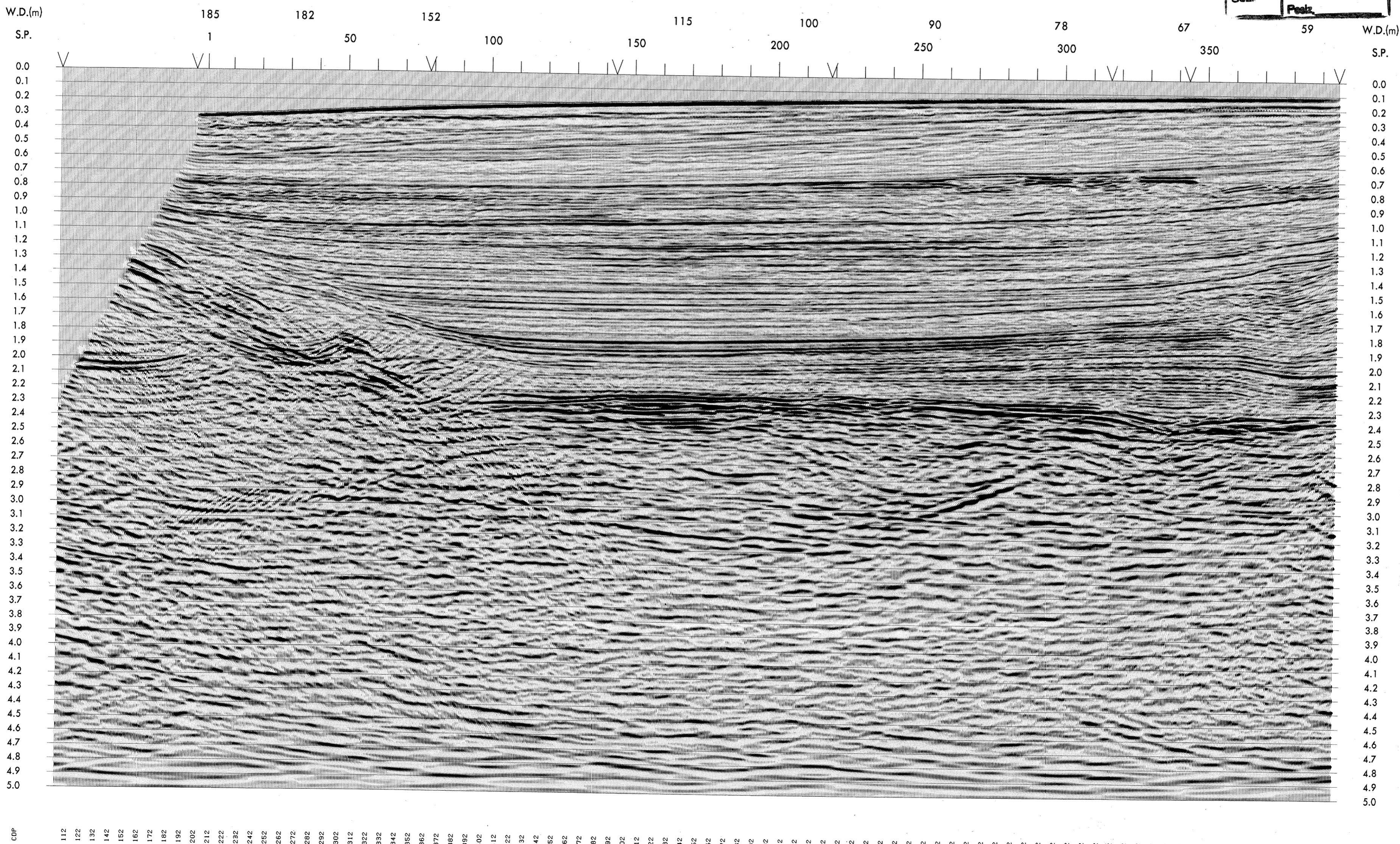
MIGRATION VELOCITIES		
AT CDP	490	
TIME	V-RMS	V-INT
ms	m/s	m/s
239	1480	1480
1030	1731	1800
1870	1956	2201
2250	2058	2500
3810	3285	4500
5000	3765	5001

MIGRATION VELOCITIES		
AT CDP	640	
TIME	V-RMS	V-INT
ms	m/s	m/s
198	1480	1480
1000	1741	1800
1810	1960	2201
2240	2075	2502
3720	3263	4499
5000	3784	4999

MIGRATION VELOCITIES			MIGRATION VELOCITIES		
AT CDP	835		AT CDP	890	
TIME	V-RMS	V-INT	TIME	V-RMS	V-INT
ms	m/s	m/s	ms	m/s	m/s
144	1480	1480	129	1480	1480
960	1756	1800	898	1758	1800
1709	1963	2200	1680	1976	2200
2318	2117	2499	2340	2137	2500
3572	3165	4500	3530	3139	4500
5000	3781	5000	5000	3782	4999

MIGRATION VELOCITIES		
AT CDP	994	
TIME	V-RMS	V-INT
ms	m/s	m/s
100	1480	1480
780	1762	1800
1540	1990	2200
2320	2175	2500
3500	3156	4499
5000	3804	4999

SEZIONE IDROCARBURI
di NAPOLI
 24 MAG. 1985
 Prot. N. 3437
 Sez. Pozz.



CANADA NORTHWEST (CNW)
 ITALIANA SPA

line: CNW-103-05 sp: 1-399
 area: OFFSHORE SICILY
 title: PERMIT CR.103.CN
 direction: (ENE)



ACQUISITION:

SHOT BY: SEISMIC PROFILERS M.V. NINA PROFILERS (JUNE 1983)

ENERGY SOURCE: wide argon array

type: wide argon array
 pop interval: 25m
 shot point interval: 25m
 source depth: 7.5m
 source volume: 3640 cuins

RECEIVING ARRANGEMENT:

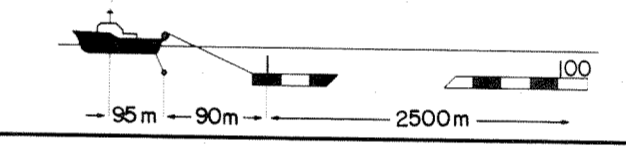
fold of recording: 50
 no. of groups: 100 interval 25m
 cable length: 2500m depth 8.0m
 near trace: 1 offset 90m

INSTRUMENTATION:

recording system: DFS V
 gain type: I.F.P.
 filters: low cut: 3.5 Hz slope 18 dB/octave
 high cut: 128 Hz slope 72 dB/octave
 record format: sigB, 1600 bpi, 100 channels
 record length: 6s
 sample rate: 2ms

POSITIONING SYSTEM:

primary: TRISPONDER secondary: SATNAV



PROCESSED BY: MERLIN GEOPHYSICAL CO. LTD., WOKING, ENGLAND. (SEPTEMBER 1983, CONTRACT 401)

- DEMULTEPLEX
- 2MS TO 4MS SUBSAMPLE: anti-alias filter
- STATIC CORRECTIONS: source and receiver depth: +13ms
- DECONVOLUTION BEFORE STACK: pre-deconvolution amplitude scaling: 1.2dB/s exp to 3.0s; minimum phase least squares inverse zone I zone II; autocorrelation window length: 14.50ms 2200ms; max. prediction lag: 240ms 240ms; min. prediction lag: 12ms 12ms; post-deconvolution inverse scaling: -1.2dB/s exp. to 3.0s
- NMO CORRECTION: velocity derivation: contoured semblance spectra; offset dependent mute
- STACK: type: standard mean amplitude CDP; coverage: 5000%; space variant geometrical divergence compensation
- DECONVOLUTION AFTER STACK: type: minimum phase least squares inverse zone I zone II; autocorrelation window length: 1800ms 2000ms; max. prediction lag: 240ms 240ms; min. prediction lag: 60ms 60ms
- WAVE EQUATION MIGRATION: finite difference solution; pre-migration filter: 8(24)-80(36)Hz(dB/oct); migration velocity derivation: interval velocity model
- SPACE TIME VARIANT FILTER: sp 1; filters linearly interpolated in space and time; cuts and slopes specified at -30ms post pop; time (ms) low cut high cut; 370 10(18) 80(36); 1200 8(24) 60(36); 3410 8(24) 30(36)
- TWO DIMENSIONAL FILTER: number of adjacent traces: 7; passband: +8 to -8ms dip per trace; percentage input feedback: 70
- AMPLITUDE BALANCE: a) general amplitude trend analysis and compensation; b) robust AGC

DISPLAY:

system: SCITEX laser plotter
 vertical scale: 10.0 cm/sec
 5.0 cm/sec
 horizontal scale: 1:125 00 (10 traces/cm)
 1:25 000 (20 traces/cm)
 gain: 2.5dB ; 1.0dB
 bias: 10% ; 5%
 polarity: compression : negative : trough
 datum plane: sea level
 shotpoint location: source position