

CNW-103-02 MIGRATED STACK

MIGRATION VELOCITIES AT CDP 103			MIGRATION VELOCITIES AT CDP 197			MIGRATION VELOCITIES AT CDP 290			MIGRATION VELOCITIES AT CDP 324			MIGRATION VELOCITIES AT CDP 376		
TIME	V-RMS	V-INT	TIME	V-RMS	V-INT	TIME	V-RMS	V-INT	TIME	V-RMS	V-INT	TIME	V-RMS	V-INT
ms	m/s	m/s	ms	m/s	m/s	ms	m/s	m/s	ms	m/s	m/s	ms	m/s	m/s
110	1480	1480	110	1480	1480	112	1480	1480	113	1480	1480	114	1480	1480
580	1744	1800	680	1752	1800	800	1759	1800	811	1759	1800	828	1759	1800
810	1885	2201	980	1900	2199	1185	1913	2199	1260	1928	2201	1460	1962	2200
1000	2016	2499	1200	2023	2498	1508	2053	2501	1620	2069	2501	1780	2069	2500
3170	3892	4501	3300	3791	4499	3424	3632	4500	3470	3577	4500	3565	3504	4500
5000	4331	5001	5000	4241	5000	5000	4112	4999	5000	4066	5001	5000	3991	4999

MIGRATION VELOCITIES AT CDP 505		
TIME	V-RMS	V-INT
ms	m/s	m/s
117	1480	1480
870	1760	1800
1800	2000	2201
2000	2055	2496
3800	3437	4500
5000	3870	5000

MIGRATION VELOCITIES AT CDP 692		
TIME	V-RMS	V-INT
ms	m/s	m/s
121	1480	1480
930	1762	1801
1840	1991	2201
2200	2083	2501
3820	3330	4501
5000	3791	5000

MIGRATION VELOCITIES AT CDP 815			MIGRATION VELOCITIES AT CDP 830		
TIME	V-RMS	V-INT	TIME	V-RMS	V-INT
ms	m/s	m/s	ms	m/s	m/s
124	1480	1480	125	1480	1480
970	1762	1800	964	1762	1800
1800	1976	2200	1788	1976	2200
2289	2099	2500	2300	2104	2500
3794	3269	4499	3790	3263	4500
5000	3760	4999	5000	3758	5001

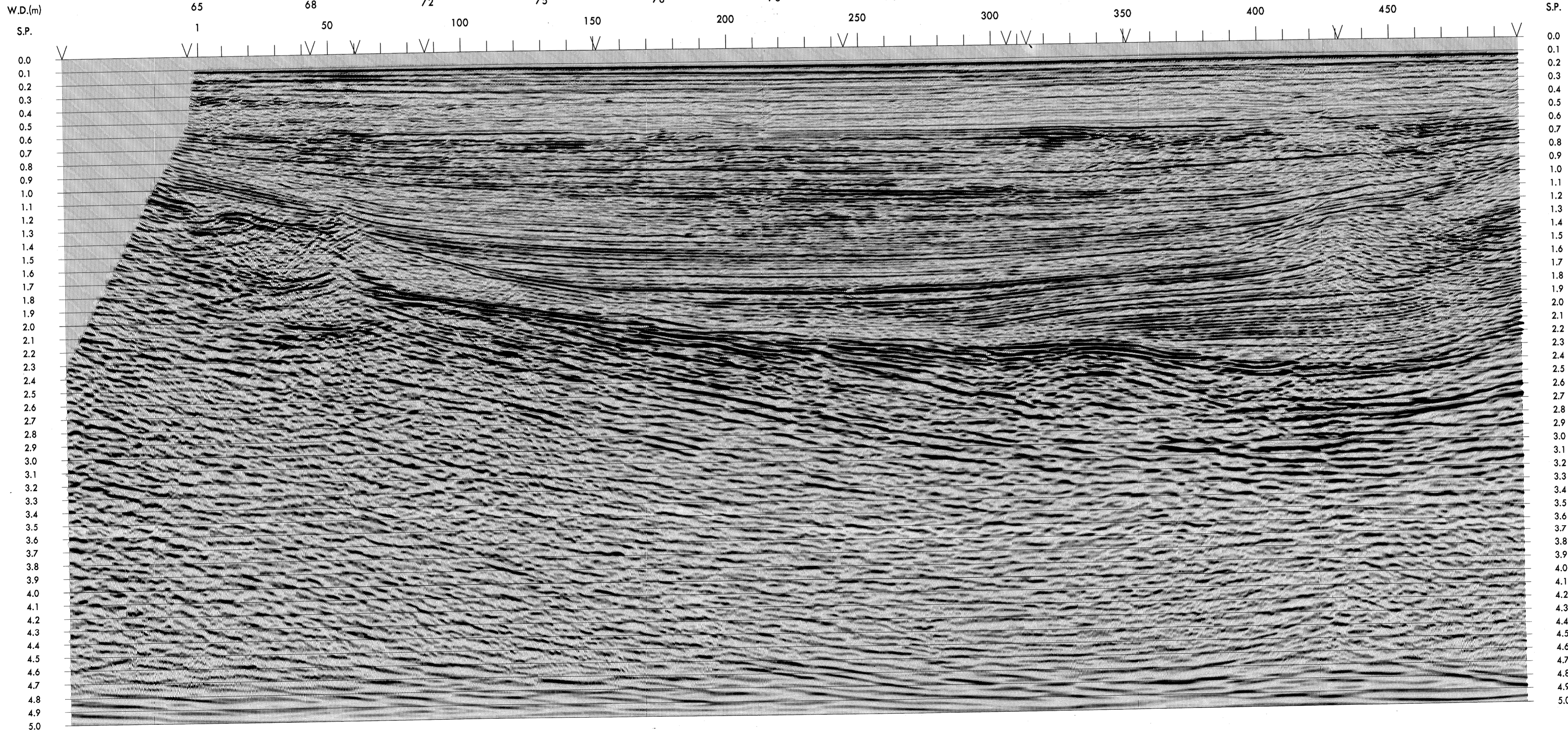
MIGRATION VELOCITIES AT CDP 905		
TIME	V-RMS	V-INT
ms	m/s	m/s
126	1480	1480
934	1760	1800
1728	1974	2199
2270	2112	2502
3774	3279	4499
5000	3774	4999

MIGRATION VELOCITIES AT CDP 1065		
TIME	V-RMS	V-INT
ms	m/s	m/s
130	1480	1480
870	1756	1800
1600	1971	2200
2450	2169	2500
3740	3173	4500
5000	3719	5000

MIGRATION VELOCITIES AT CDP 1200		
TIME	V-RMS	V-INT
ms	m/s	m/s
120	1480	1480
740	1752	1800
1500	1992	2201
2110	2151	2499
3610	3334	4499
5000	3870	5001

CNW-103-07 SP 336  
CNW-103-06 SP 249

CNW-103-05 SP 309



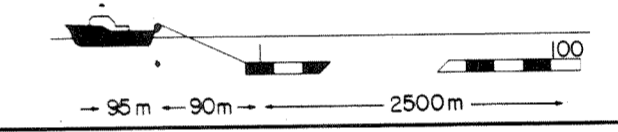
CANADA NORTHWEST (CNW)  
ITALIANA SPA

line: CNW-103-02 sp: 1-500  
area: OFFSHORE SICILY  
title: PERMIT CR.103.CN  
5000% MIGRATED STACK  
direction: (ESE)



**ACQUISITION:**

SHOT BY:	SEISMIC PROFILERS s.r.l. NAPOLI (JUNE 1983)
ENERGY SOURCE:	wide array array
type	25m
pop interval	25m
shot point interval	7.5m
source depth	3640 cuins
source volume	
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
gan type	I.F.P.
filters: low cut	3.5 Hz slope 18 dB/octave
high cut	128 Hz slope 72 dB/octave
record format	segB, 1600 bpi, 100 channels
record length	6s
sample rate	2ms
POSITIONING SYSTEM:	
primary:	TRISPOUNDER
secondary:	SATNAV



**PROCESSING:**

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

- DEMULTEPLEX
- 2MS TO 4MS SUBSAMPLE: anti alias filter 90(36)Hz (dB/oct)
- STATIC CORRECTIONS: source and receiver depth +13ms
- DECONVOLUTION BEFORE STACK: pre-deconvolution amplitude scaling 12dB/s exp to 3.0s; minimum phase least squares inverse zone I zone II; autocorrelation window length 1450ms 2200ms; max. prediction lag 240ms 240ms; min. prediction lag 12ms 12ms; post-deconvolution inverse scaling -12dB/s exp. to 3.0s
- NMO CORRECTION: velocity derivation contoured semblance spectra; offset dependent mute
- STACK: standard mean amplitude CDP coverage 5000%; space variant geometrical divergence compensation
- DECONVOLUTION AFTER STACK: 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 48ms depth step; pre-migration file 8(24)-80(36)Hz(dB/oct); migration velocity derivation interval velocity model
- SPACE TIME VARIANT FILTER: sp 1; time low cut high cut (ms) (ms); filters linearly interpolated in space and time; 120 10(18) 80(36); cuts and slopes specified 970 8(24) 60(36); at 3dB point 2820 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
horizontal scale	5.0 cm/sec
gain	1:12500 (10 traces/cm)
bias	1:25000 (20 traces/cm)
polarity	2.5dB ; 1.0dB
datum plane	10% ; 5%
shotpoint location	compression : negative : trough
	sea level
	source position

CDP