

line: CNW-103-04 sp: 1-370
area: OFFSHORE SICILY
title: PERMIT CR.103.CN
5000% MIGRATED STACK
direction: (ESE)



SEZIONE IDROCARBURI
di NAPOLI
24 MAG. 1985
Prof. N. 3437
Ses. Pealz.

MIGRATION VELOCITIES AT CDP 103			MIGRATION VELOCITIES AT CDP 197		
TIME	V-RMS	V-INT	TIME	V-RMS	V-INT
ms	m/s	m/s	ms	m/s	m/s
200	1480	1480	230	1480	1480
960	1738	1800	1010	1732	1800
1100	1803	2198	1300	1847	2201
1320	1937	2502	1600	1986	2501
3300	3695	4500	3500	3577	4500
5000	4185	5001	5000	4057	5001

MIGRATION VELOCITIES AT CDP 372			MIGRATION VELOCITIES AT CDP 432		
TIME	V-RMS	V-INT	TIME	V-RMS	V-INT
ms	m/s	m/s	ms	m/s	m/s
253	1480	1480	261	1480	1480
1090	1731	1800	1092	1729	1800
1780	1926	2199	1870	1939	2200
2210	2050	2499	2360	2068	2500
3850	3322	4499	3840	3230	4500
5000	3775	5001	5000	3717	5002

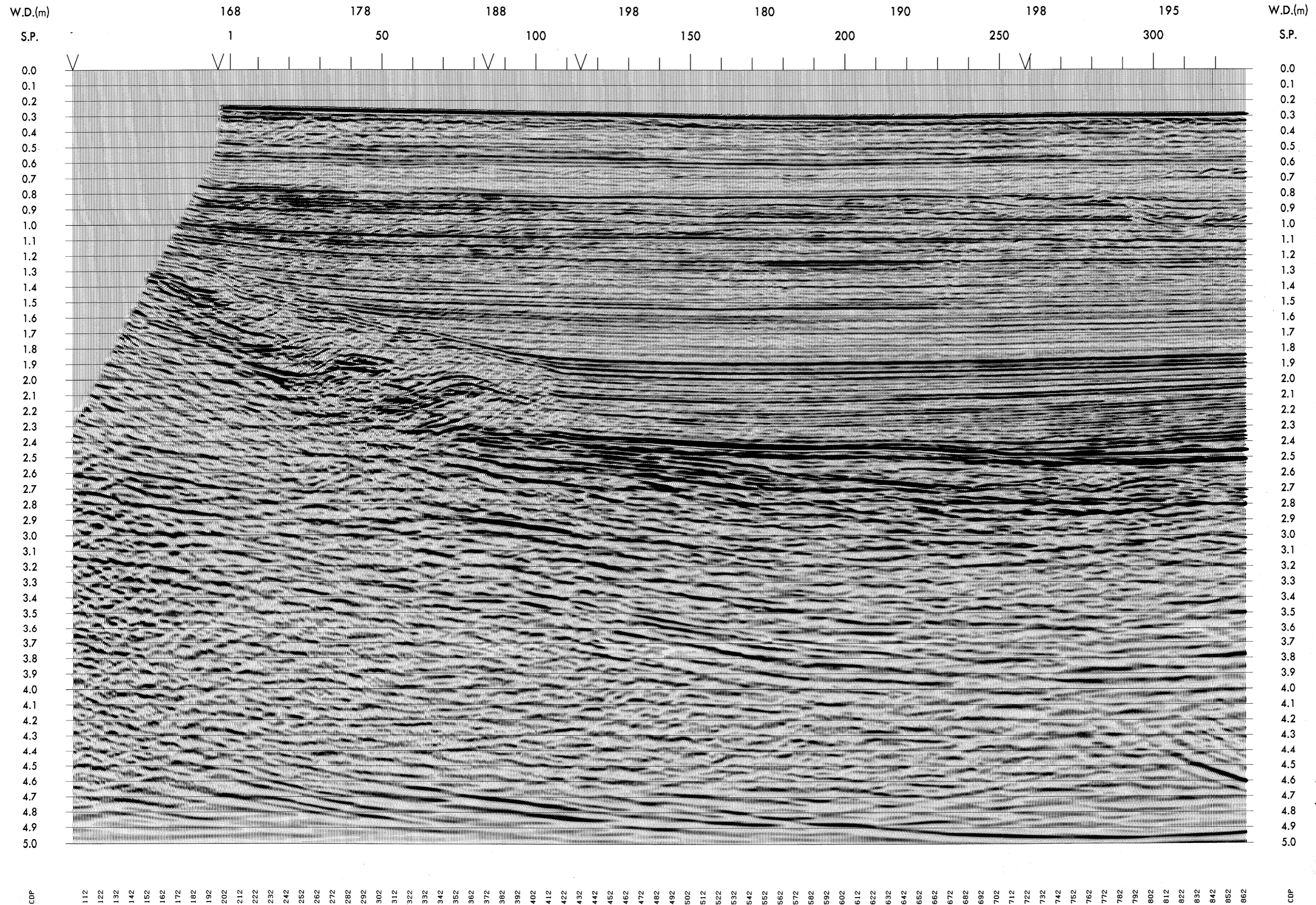
MIGRATION VELOCITIES AT CDP 720		
TIME	V-RMS	V-INT
ms	m/s	m/s
300	1480	1480
1100	1719	1800
1870	1932	2201
2460	2082	2499
3950	3215	4499
5000	3663	5001

CNW-103-05 SP 62

CNW-103-06 SP 63

CNW-103-08 SP 237

CNW-103-07 SP 112



ACQUISITION:

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

ENERGY SOURCE:

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

RECEIVING ARRANGEMENT:

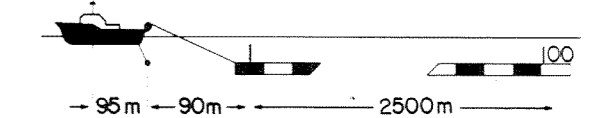
fold of recording	50
no. of groups	100
cable length	2500m
near trace	1
interval	25m
depth	8.0m
offset	90m

INSTRUMENTATION:

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

POSITIONING SYSTEM:

primary: TRISPONDER	secondary: SATNAV
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PROCESSING:

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

- DEMULPLEX
- 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; autocorrelation window length 1.450ms 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: type standard mean amplitude CDP; coverage 5000%; space variant geometrical divergence compensation
- DECONVOLUTION AFTER STACK: type minimum phase least squares inverse zone I; 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 filter 8(24)-80(36)Hz (dB/oct); migration velocity derivation interval velocity model
- SPACE TIME VARIANT FILTER: sp 1; time (ms) 250 10(18) 1260 8(24) 3450; low cut (hz) 8(24) 60(36); high cut (hz) 80(36) 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

MERLIN GEOPHYSICAL COMPANY LIMITED DATE: 10/20/83
CNW-103-04 MIGRATED STACK