

CONFIDENZIALE RISERVATO

Shot points: 1-740 Line: BR-146-81-06
 Client: TOTAL MINERARIA
 Area: Adriatic
 Location: ANCONA
 Process: SCORR + DCON + 4800% TRAP
 STACK + FILTER

Acquisition: C.G.G.
 VESSEL: Polarbarn DATE: February 1981
 ENERGY SOURCE: Vaporchac
 direction of shooting 133°
 pop interval 25 m
 shotpoint interval 25 m
 source depth 5.04 m
 source array 1 valve
 RECEIVING ARRANGEMENT:
 fold of recording 48
 no. of groups 96 interval 25 m
 cable length 2375 m depth 15 m
 near trace 1 offset 208 m
 INSTRUMENTATION:
 hydrophones 24 per group
 filters: low cut 8 Hz slope 12 dB/octave
 high cut 125 Hz slope 48 dB/octave
 record format SEGB
 record length 5 s
 sample interval 2 ms
 POSITIONING SYSTEM:
 primary Syleis

Processing: SEISCOM DELTA INC.
 CENTER: HOUSTON, TEXAS DATE: May 1981
 COMPUTER SYSTEM: MEGASEIS
 INITIAL PROCESS:
 demultiplex 3 s
 resample 4 ms
 gain recovery
 amplitude compensation using exponential expansion
 SIGNATURE CORRECTION:
 signature length 250 ms
 autocorrelation length 250 ms
 operator length 400 ms
 wavellet frequency band 12-90 Hz slope 24-80 dB/octave
 DECONVOLUTION BEFORE STACK:
 deconvolution type predictive
 operator length 300 ms
 prediction lag 32 ms
 autocorrelation length 2500 ms
 design window 0.4 - 2.9 s near trace
 1.9 - 3.0 s for trace
 0.0 s applied from removal of amplitude compensation
 CORRECTIONS:
 static corrections for source and geophone depth
 datum sea level
 NORMAL MOVEOUT:
 velocities from Sismcom's Velocity Spectra
 SPHERICAL DIVERGENCE COMPENSATION:
 type standard CDP
 fold 48
 surface consistent amplitude compensation (TRAP -4)
 EXPONENTIAL GAIN AFTER STACK:
 window 0-800ms rate: 25 dB/sec
 SPACE AND TIME VARIANT FREQUENCY FILTERING:
 filter interpolation linear between lines specified
 -0.0-
 0.5- (1) -0.5 1) 18 - 55 Hz
 1.0- (2) -1.0 2) 12 - 55 Hz
 1.5- -1.5
 2.0- -2.0
 2.5- -2.5
 3.0- (3) -3.0 3) 8 - 5 Hz

Quality control *Mark Stealy* Approved *Ray B. Smith*

Display Parameters:
 DISPLAY SYSTEM SEISCHROME II
 vertical scale 10 cms (1-5 sec)
 horizontal scale 10 traces per cm
 peaks represent positive digital numbers
 0 1/2 Km

VELOCITIES AT SP 3000
 TIME DEPTH V-RMS V-NIT
 m m m/s m/s

100	73	1460	1460
200	150	1500	1539
312	407	1590	1645
400	317	1590	1675
500	432	1700	2083
692	497	1490	1453
1100	1083	2000	2009
1280	1354	2170	2307
1432	1258	2220	2483
1460	1615	2280	4090
1560	1816	2430	4027
1892	2433	2700	3715
2000	2745	2950	3783
2340	3316	3090	4375
2760	4276	3300	4286
3000	4803	3400	4389

VELOCITIES AT SP 8000
 TIME DEPTH V-RMS V-NIT
 m m m/s m/s

100	73	1460	1460
200	150	1500	1539
312	407	1590	1645
400	317	1590	1675
500	432	1700	2083
692	497	1490	1453
1100	1083	2000	2009
1280	1354	2170	2307
1432	1258	2220	2483
1460	1615	2280	4090
1560	1816	2430	4027
1892	2433	2700	3715
2000	2745	2950	3783
2340	3316	3090	4375
2760	4276	3300	4286
3000	4803	3400	4389

VELOCITIES AT SP 16000
 TIME DEPTH V-RMS V-NIT
 m m m/s m/s

100	73	1460	1460
200	150	1500	1539
312	407	1590	1645
400	317	1590	1675
500	432	1700	2083
692	497	1490	1453
1100	1083	2000	2009
1280	1354	2170	2307
1432	1258	2220	2483
1460	1615	2280	4090
1560	1816	2430	4027
1892	2433	2700	3715
2000	2745	2950	3783
2340	3316	3090	4375
2760	4276	3300	4286
3000	4803	3400	4389

VELOCITIES AT SP 24000
 TIME DEPTH V-RMS V-NIT
 m m m/s m/s

100	73	1460	1460
200	150	1500	1539
312	407	1590	1645
400	317	1590	1675
500	432	1700	2083
692	497	1490	1453
1100	1083	2000	2009
1280	1354	2170	2307
1432	1258	2220	2483
1460	1615	2280	4090
1560	1816	2430	4027
1892	2433	2700	3715
2000	2745	2950	3783
2340	3316	3090	4375
2760	4276	3300	4286
3000	4803	3400	4389

VELOCITIES AT SP 32000
 TIME DEPTH V-RMS V-NIT
 m m m/s m/s

100	73	1460	1460
200	150	1500	1539
312	407	1590	1645
400	317	1590	1675
500	432	1700	2083
692	497	1490	1453
1100	1083	2000	2009
1280	1354	2170	2307
1432	1258	2220	2483
1460	1615	2280	4090
1560	1816	2430	4027
1892	2433	2700	3715
2000	2745	2950	3783
2340	3316	3090	4375
2760	4276	3300	4286
3000	4803	3400	4389

VELOCITIES AT SP 40000
 TIME DEPTH V-RMS V-NIT
 m m m/s m/s

100	73	1460	1460
200	150	1500	1539
312	407	1590	1645
400	317	1590	1675
500	432	1700	2083
692	497	1490	1453
1100	1083	2000	2009
1280	1354	2170	2307
1432	1258	2220	2483
1460	1615	2280	4090
1560	1816	2430	4027
1892	2433	2700	3715
2000	2745	2950	3783
2340	3316	3090	4375
2760	4276	3300	4286
3000	4803	3400	4389



CONFIDENZIALE
RISERVATO

LINE BR-146-81-07
 SP 204
 LINE BR-146-81-01
 SP 102

LINE BR-146-81-02
 SP 148

LINE BR-146-81-03
 SP 182

SP
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
1.5
1.6
1.7
1.8
1.9
2.0
2.1
2.2
2.3
2.4
2.5
2.6
2.7
2.8
2.9
3.0

CDP 150 200 250 300 350 400 450 500 550 600 650 700 750 800 850 900 950 1000