



Shot points: 1 - 394 Line: BR-145-12  
 Client: TOTAL MINERARIA  
 Area: Adriatic  
 Location: ANCONA  
 Process: SCORR + DCON + 4400% TRAP STACK + FILTER

Acquisition: Geophysical Offshore Exploration  
 VESSEL: M. V. Goel Egede DATE: April 1978  
 ENERGY SOURCE: Air Gun  
 direction of shooting: 333°  
 pop interval: 25m  
 shot point interval: 50m  
 source depth: 7.5m  
 source array: 16 guns  
 size: 2438cu. m  
 RECEIVING ARRANGEMENT:  
 fold of recording: 44  
 no. of groups: 44 interval 50m  
 cable length: 2150m depth 12.2m  
 near track: 44 offset 230m  
 INSTRUMENTATION:  
 hydrophones: 32 per group  
 recording system: LRS-888 COBA 1  
 filters: low cut 6 Hz  
 high cut 124 Hz  
 record format: SEOC  
 record length: 6 s  
 sample rate: 2 ms  
 POSITIONING SYSTEM:  
 Primary: Trisponder  
 Secondary: Sat Nav

Processing: Seiscom Delta Exploration Inc  
 CENTRE: DUBLIN DATE: July 1980  
 COMPUTER SYSTEM: MEGASEIS  
 INITIAL PROCESSING:  
 demultiplex: 3s  
 resample: 4ms  
 anti alias filter: 90 Hz. slope 80 dB octave  
 gain recovery  
 amplitude compensation using exponential expansion  
 SIGNATURE CORRECTION (PULSE II):  
 signature: statistically estimated from each file  
 signature length: 200ms  
 autocorrelation length: 200ms  
 operator length: 500ms  
 filters: low cut 8 Hz. slope 24 dB octave  
 high cut 90 Hz. slope 80 dB octave  
 DECONVOLUTION BEFORE STACK:  
 type: predictive  
 operator length: 300ms  
 predictive lag: 16ms  
 autocorrelation length: 2500ms  
 design window: 0.4 - 2.9s near trace  
 1.9 - 3.0s far trace  
 applied from removal of amplitude compensation  
 CORRECTIONS:  
 static corrections: for source and geophone depth  
 datum: sea level  
 NORMAL MOVEOUT:  
 velocities: from Seiscom's Velocity Spectra  
 first break mute: 0-210 400-360 1000-910 2000-2360  
 SPHERICAL DIVERGENCE COMPENSATION:  
 STACKING:  
 type: standard CDP  
 fold: 44  
 surface consistent amplitude compensation (TRAP TM)  
 EXPONENTIAL GAIN AFTER STACK:  
 window: 0.0-3.0 s rate: 3 dB sec  
 SPACE AND TIME VARIANT FREQUENCY FILTERING:  
 filter interpolation: linear between times specified  
 0.0-0.5-1-1.5-2-2.5-3.0  
 0.5-1-1.5-2-2.5-3.0 1/18 - 55 Hz  
 1.0-2-3-4-5 2/12 - 55 Hz  
 1.5-2-3-4-5 -1.5  
 2.0-3-4-5 -2.0  
 2.5-3-4-5 -2.5  
 3.0-4-5-6-7-8-9 -3.0 3/8 - 55 Hz  
 Quality control Mark Stanley Approved Martin Kane

Display Parameters:  
 DISPLAY SYSTEM SEISCHROME II  
 vertical scale: 10 cms per sec  
 horizontal scale: 5 cms per sec  
 peaks represent: positive digital numbers  
 0 5 10 Km

VELOCITIES AT SP 360.00  
 TIME DEPTH V-RMS V-INT  
 m m m m  
 140 102 1460 1460  
 308 398 1570 1610  
 660 548 1670 1968  
 768 642 1880 1754  
 1048 887 1700 1754  
 1280 1142 1800 2196  
 1380 1257 1840 2291  
 1540 1457 1920 2508  
 1648 1655 2080 3668  
 1920 2039 2200 2820  
 1980 2232 2440 3649  
 2400 3091 2800 4091  
 2660 3918 3320 4356  
 2820 4280 3400 4527  
 3000 4811 3600 5907

VELOCITIES AT SP 320.00  
 TIME DEPTH V-RMS V-INT  
 m m m m  
 140 102 1460 1460  
 388 295 1520 1553  
 700 542 1550 1587  
 760 632 1710 3002  
 840 896 1700 1602  
 988 827 1710 1766  
 1300 989 1680 1532  
 1380 1210 1800 2454  
 1528 1433 1950 3008  
 1620 1629 2150 4271  
 1940 2152 2370 3264  
 2160 2603 2600 4104  
 2588 3478 2900 4091  
 2820 4035 3100 4795  
 3000 4555 3300 5563

VELOCITIES AT SP 240.00  
 TIME DEPTH V-RMS V-INT  
 m m m m  
 140 102 1460 1460  
 280 218 1560 1684  
 440 351 1600 1668  
 760 644 1700 1829  
 828 706 1710 1818  
 1000 842 1690 1900  
 1288 1167 1800 2623  
 1420 1304 1900 2085  
 1500 1380 1900 1900  
 1400 1309 1900 1900  
 1640 1617 2010 2599  
 1760 1801 2100 3077  
 2040 2284 2370 3713  
 2160 2480 2400 2797  
 2680 3795 3100 5080  
 3000 4646 3400 5281

VELOCITIES AT SP 160.00  
 TIME DEPTH V-RMS V-INT  
 m m m m  
 140 102 1460 1460  
 400 300 1500 1521  
 680 527 1550 1619  
 808 699 1780 2690  
 1080 894 1700 1436  
 1288 1167 1800 2623  
 1420 1304 1900 2085  
 1500 1380 1900 1900  
 1608 1518 1950 2545  
 1760 1705 2000 2468  
 1848 1862 2100 3551  
 1908 1984 2190 4085  
 2000 2134 2250 2354  
 2160 2501 2500 4593  
 2288 2788 2650 4479  
 2500 3262 2850 4471  
 2840 4033 3100 4532  
 3000 4456 3300 3797

VELOCITIES AT SP 80.00  
 TIME DEPTH V-RMS V-INT  
 m m m m  
 168 123 1460 1460  
 740 591 1600 1639  
 800 670 1700 2638  
 900 787 1780 2323  
 980 863 1790 1899  
 768 642 1690 3035  
 820 739 1840 3348  
 960 970 2150 3445  
 1300 1624 2700 3850  
 1480 1934 2800 3437  
 2460 4015 3450 4247  
 3000 5335 3750 4889

VELOCITIES AT SP 5.00  
 TIME DEPTH V-RMS V-INT  
 m m m m  
 160 117 1460 1460  
 448 349 1560 1613  
 480 391 1650 2001  
 680 552 1640 1614  
 768 642 1690 3035  
 820 739 1840 3348  
 960 970 2150 3445  
 1300 1624 2700 3850  
 1480 1934 2800 3437  
 2460 4015 3450 4247  
 3000 5335 3750 4889

