

Laboratory measurement of pressure dependent P- and S-wave velocity data: Sample 1.

Sample 1:

fine-grained sandstone sample arising from depth interval 2943,00-2960,00 (m) of a borehole, drilled in South-West Hungary

length=9.2 cm, diameter=3.5 cm, density=2565 kg/m³, porosity=19%

The acoustic velocity data measured at various pressures in the Acoustic Laboratory, University of Miskolc, Department of Geophysics

Pressure [MPa]	P-velocity [m/s]	S-velocity [m/s]
0	3188	2250
2.50	3455	2322
5.19	3659	2387
7.79	3790	2433
10.39	3892	2472
12.99	3961	2505
15.59	4023	2530
18.18	4070	2553
20.78	4108	2572
23.38	4142	2589
25.98	4168	2605
28.58	4192	2618
31.18	4213	2630
33.77	4236	2641
36.37	4257	2652
38.97	4275	2662
41.57	4293	2670
44.17	4306	2678
46.77	4322	2686
49.37	4336	2693
51.96	4351	2700
54.56	4363	2706
57.16	4375	2712
59.76	4385	2717
62.36	4398	2723
64.96	4406	2728
67.55	4416	2732
70.15	4425	2736
72.75	4435	2740
75.35	4442	2744
77.95	4450	2749
80.55	4456	2752
83.15	4463	2754
85.74	4467	2757
88.34	4471	2758
90.94	4473	2759

Photo of the sample:

