



Appendix A

Plug no	Depth, m	Unit	Length, cm	Vp(msec/ft)	Vs(msec/ft)
1	2247	MA-1	5.57	93.05	180.6279
2	2256	MA-2	6.8	89.67	176.6499
4	2280	MB-1	7.77	94.17	184.4179
5	2311	MB2	7	91.46	191.6376
6	2316	MB2-1	7.05	106.4	202.3871
7	2320	MB2-1	7.22	107.3	211.9789
8	2326	MB2-2	5.88	98.52	195.993
9	2331	MB2-2	7.1	90.18	167.4682
10	2321	MB2-1	7.09	103.2	202.1053
11	2322	MB2-1	7.2	97.39	191.3957
1	2354	Ma	7.25	90.83	176.619
2	2364	Ma-1	7	94.95	201.2195
4	2390	Mb-1	7.49	85.48	174.216
5	2394	Mb1	7.3	108.6	212.1617
6	2443	Mb2	7.25	99.24	197.6451
7	2447	Mb2-1	7.29	100.4	197.397
8	2454	Mb2-2	7.55	105	209.9822
9	2462	Mb2-2	4.43	89.47	177.5588

Table 2: compressional and shear wave velocities from laboratory.

Plug no	Depth, m	unit	Length, cm	Vp(msec/ft)	Vp Log(msec/ft)
1	2247	MA-1	5.57	93.05	78.27
2	2256	MA-2	6.8	89.67	72.504
4	2280	MB-1	7.77	94.17	79.009
5	2311	MB2	7	91.46	75.396
6	2316	MB2-1	7.05	106.4	86.224
7	2320	MB2-1	7.22	107.3	86.589
8	2326	MB2-2	5.88	98.52	82.663
9	2331	MB2-2	7.1	90.18	74.336
10	2321	MB2-1	7.09	103.2	86.217
11	2322	MB2-1	7.2	97.39	84.254
1	2354	Ma	7.25	90.83	73.3276
2	2364	Ma-1	7	94.95	81.0204
4	2390	Mb-1	7.49	85.48	70.8012

5	2394	Mb1	7.3	108.6	85.2052
6	2443	Mb2	7.25	99.24	82
7	2447	Mb2-1	7.29	100.4	83.6
8	2454	Mb2-2	7.55	105	84.5707
9	2462	Mb2-2	4.43	89.47	75.8

Table 3: Vp laboratory and Vp log for each plug.

Plug no	Depth, m	unit	E lab (Gpascal)	E log (Gpascal)
1	2354	Ma	18.89678696	18.67937428
2	2364	Ma-1	14.90439125	14.12866802
4	2390	Mb-1	19.61903983	18.93810084
5	2394	Mb1	13.31884864	12.19811517
6	2443	Mb2	14.86748647	14.67060323
7	2447	Mb2-1	13.78819696	14.09560893
8	2454	Mb2-2	14.16289308	13.15885706
9	2462	Mb2-2	17.8333067	18.72315343
1	2247	MA-1	14.74793778	15.78701609
2	2256	MA-2	18.70672944	18.17489233
4	2280	MB-1	14.48393808	15.19373919
5	2311	MB2	17.80824541	16.15744493
6	2316	MB2-1	12.85058246	13.09908782
7	2320	MB2-1	12.1409621	11.53710305
8	2326	MB2-2	13.27710036	13.52657022
9	2331	MB2-2	16.2825455	18.03789776
10	2321	MB2-1	12.82520384	13.25313086
11	2322	MB2-1	12.18879553	13.45125841

Table 5: Elastic properties from laboratory and log.