

Table S1. Stress dependent shear modulus of Clay1, 2, and 3

Radial stress (MPa)	Shear modulus (GPa)	Shear modulus (GPa)	Shear modulus (GPa)
	[Clay1]	[Clay2]	[Clay3]
0	0.46	1.26	2.26
5	0.90	1.55	2.36
10	1.29	1.80	2.44
15	1.64	2.03	2.52
20	1.94	2.22	2.58
25	2.19	2.39	2.64
30	2.40	2.52	2.68
35	2.56	2.63	2.73
40	2.67	2.70	2.74
45	2.74	2.75	2.76
50	2.76	2.76	2.76