

KB Homes (Sweetgrass Filing 4) | Dacono, CO

	Test Sequence #	Confining Pressure	Proposed Max. Deviator Stress	Applied Max. Deviator Stress	Applied Contact Stress	Applied Cyclic Stress	Recoverable Deformation LVDT #1	Recoverable Deformation LVDT #2	Average Recoverable Deformation LVDT #1, #2	Measured Resilient Strain	Resilient Modulus	% Mr Increase from Original
		(psi)	(psi)	(psi)	(psi)	(psi)	(mills)	(mills)	(mills)	(%)	(psi)	
Virgin Soil (Original)	Conditioning:	6	4	4.11	0.38	3.72	-	-	-	-	-	
	1	6	2	2	0.18	1.82	1.5	1.49	1.5	0.019	9,606	
	2	6	4	3.98	0.41	3.57	4.16	4.13	4.15	0.053	6,790	
	3	6	6	6.04	0.64	5.39	8.25	8.24	8.25	0.105	5,151	
	4	6	8	8.07	0.85	7.22	13.6	13.83	13.72	0.174	4,147	
	5	6	10	10.1	1.04	9.06	20.64	20.81	20.73	0.263	3,444	
	6	4	2	2.02	0.23	1.79	1.62	1.64	1.63	0.021	8,659	
	7	4	4	4.01	0.41	3.6	4.65	4.69	4.67	0.059	6,072	
	8	4	6	6	0.61	5.39	8.84	8.95	8.9	0.113	4,779	
	9	4	8	8.04	0.83	7.21	14.16	14.31	14.24	0.181	3,991	
	10	4	10	10.04	1.06	8.98	20.16	20.24	20.2	0.256	3,503	
	11	2	2	2	0.19	1.81	1.71	1.78	1.75	0.022	8,182	
	12	2	4	4.04	0.39	3.65	4.93	5.03	4.98	0.063	5,783	
	13	2	6	6.04	0.62	5.41	9.36	9.48	9.42	0.119	4,530	
	14	2	8	8.02	0.86	7.16	14.64	14.78	14.71	0.187	3,837	
15	2	10	10.04	1.07	8.97	20.59	20.66	20.63	0.262	3,428		
Soil + ClaySet @ 3 Days	Conditioning:	6	4	4.05	0.41	3.63	-	-	-	-	-	
	1	6	2	1.99	0.22	1.78	1.13	1.13	1.13	0.014	12,838	33.65%
	2	6	4	3.99	0.4	3.59	2.86	2.79	2.83	0.035	10,340	52.28%
	3	6	6	6	0.6	5.41	5.15	5.02	5.09	0.062	8,664	68.20%
	4	6	8	8	0.82	7.18	7.99	7.81	7.9	0.097	7,412	78.73%
	5	6	10	9.99	1.03	8.96	11.45	11.3	11.38	0.14	6,419	86.38%
	6	4	2	2	0.17	1.83	1.23	1.21	1.22	0.015	12,245	41.41%
	7	4	4	3.98	0.38	3.6	3.19	3.13	3.16	0.039	9,271	52.68%
	8	4	6	6	0.63	5.37	5.76	5.67	5.72	0.07	7,657	60.22%
	9	4	8	7.98	0.83	7.15	8.73	8.58	8.66	0.106	6,732	68.68%
	10	4	10	9.99	1.01	8.99	11.96	11.86	11.91	0.146	6,151	75.59%
	11	2	2	1.98	0.22	1.76	1.24	1.22	1.23	0.015	11,653	42.42%
	12	2	4	4	0.42	3.58	3.37	3.3	3.34	0.041	8,747	51.25%
	13	2	6	6.02	0.61	5.41	6.13	6.04	6.09	0.075	7,252	60.09%
	14	2	8	8	0.8	7.2	9.19	9.12	9.16	0.112	6,406	66.95%
15	2	10	10.03	1.01	9.02	12.6	12.56	12.58	0.154	5,843	70.45%	

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		(psi)	(psi)	(psi)	(psi)	(psi)	(mills)	(mills)	(mills)	(%)	(psi)	
Soil + ClaySet @ 7 Days	Conditioning:	6	4	4.02	0.42	3.6	-	-	-	-	-	
	1	6	2	2.01	0.21	1.79	1.04	1.02	1.03	0.013	14,184	47.66%
	2	6	4	4.01	0.39	3.62	2.65	2.56	2.61	0.032	11,327	66.82%
	3	6	6	6	0.59	5.42	4.68	4.55	4.62	0.057	9,558	85.56%
	4	6	8	8.01	0.81	7.2	7.24	7.06	7.15	0.088	8,208	97.93%
	5	6	10	9.94	1.03	8.92	10.25	10.05	10.15	0.125	7,162	107.96%
	6	4	2	2.02	0.18	1.84	1.1	1.09	1.1	0.013	13,691	58.11%
	7	4	4	3.99	0.4	3.6	2.93	2.84	2.89	0.035	10,161	67.34%
	8	4	6	6	0.62	5.38	5.27	5.13	5.2	0.064	8,428	76.35%
	9	4	8	8	0.8	7.2	7.95	7.77	7.86	0.096	7,466	87.07%
	10	4	10	9.99	1	9	10.77	10.64	10.71	0.131	6,852	95.60%
	11	2	2	2	0.22	1.78	1.16	1.15	1.16	0.014	12,567	53.59%
	12	2	4	4.01	0.42	3.59	3.11	3.03	3.07	0.038	9,520	64.62%
	13	2	6	6.04	0.6	5.44	5.66	5.52	5.59	0.069	7,928	75.01%
	14	2	8	8.03	0.8	7.23	8.44	8.3	8.37	0.103	7,040	83.48%
15	2	10	10.03	1.02	9	11.39	11.28	11.34	0.139	6,472	88.80%	
Soil + ClaySet @ 21 Days	Conditioning:	6	4	4	0.42	3.59	-	-	-	-	-	
	1	6	2	2.01	0.18	1.82	0.91	0.91	0.91	0.011	16,242	69.08%
	2	6	4	4.02	0.39	3.63	2.36	2.34	2.35	0.029	12,535	84.61%
	3	6	6	6.02	0.61	5.41	4.17	4.15	4.16	0.051	10,571	105.22%
	4	6	8	8.01	0.83	7.19	6.3	6.26	6.28	0.077	9,304	124.35%
	5	6	10	9.98	1.01	8.97	8.73	8.72	8.73	0.107	8,364	142.86%
	6	4	2	2.01	0.21	1.8	0.98	0.97	0.98	0.012	14,996	73.18%
	7	4	4	3.99	0.42	3.57	2.57	2.57	2.57	0.032	11,303	86.15%
	8	4	6	6.01	0.61	5.41	4.56	4.54	4.55	0.056	9,666	102.26%
	9	4	8	8.01	0.78	7.23	6.8	6.75	6.78	0.083	8,679	117.46%
	10	4	10	10.01	0.99	9.02	9.13	9.13	9.13	0.112	8,030	129.23%
	11	2	2	2	0.22	1.78	1.04	1.01	1.03	0.013	14,132	72.72%
	12	2	4	4	0.39	3.61	2.75	2.72	2.74	0.034	10,724	85.44%
	13	2	6	6.01	0.58	5.43	4.84	4.79	4.82	0.059	9,162	102.25%
	14	2	8	8.01	0.81	7.2	7.2	7.18	7.19	0.088	8,142	112.20%
15	2	10	9.99	1.03	8.96	9.61	9.6	9.61	0.118	7,583	121.21%	