

Contract	Age	Cylinder	Load	PSI	Area	Fracture	Pass/Fail	Design #	Required	Made	Tested
R281	28	1A	70333	5600	12.566	Cone	Pass	19135	3000	5/13/2019	6/10/2019
R281	28	1A	68575	5460	12.566	Cone	Pass	19135	3000	5/13/2019	6/10/2019
Q030	30	402A	102823	8180	12.566	Columnar	Pass	19296	3000	5/11/2019	6/10/2019
Q030	30	402A	104920	8350	12.566	Cone	Pass	19296	3000	5/11/2019	6/10/2019
R295	28	45A	80089	6370	12.566	Cone	Pass	19135	3000	5/13/2019	6/10/2019
R295	28	45A	75300	5990	12.566	Cone	Pass	19135	3000	5/13/2019	6/10/2019
Q297	28	303A	58158	4600	12.642	Cone	Pass	16475	3000	5/13/2019	6/10/2019
Q297	28	303A	59244	4690	12.642	Cone	Pass	16475	3000	5/13/2019	6/10/2019
120315	28	83A	104818	8340	12.566	Cone	Pass	19414	3000	5/13/2019	6/10/2019
120315	28	83A	103086	8200	12.566	Cone	Pass	19414	3000	5/13/2019	6/10/2019
S202	28	26	81006	6450	12.566	Cone	Pass	19565	3000	5/13/2019	6/10/2019
S202	28	26A	82577	6570	12.566	Cone	Pass	19565	3000	5/13/2019	6/10/2019
S338	28	12	67893	5400	12.566	Cone & Shear	Pass	19582	3000	5/13/2019	6/10/2019
S338	28	12A	69344	5520	12.566	Cone & Shear	Pass	19582	3000	5/13/2019	6/10/2019
R272	28	WMC163	98993	7880	12.566	Cone & Shear	Pass	19163	3000	5/13/2019	6/10/2019
R272	28	WMC163A	104644	8330	12.566	Columnar	Pass	19163	3000	5/13/2019	6/10/2019
R272	28	WMC163D	78709	6210	12.667	Cone & Shear	Pass	19163	3000	5/13/2019	6/10/2019
R272	28	WMC163E	76537	6040	12.667	Cone	Pass	19163	3000	5/13/2019	6/10/2019
111041	28	31ARK	181900	14480	12.566	Cone	Pass	19038	8500	5/13/2019	6/10/2019
111041	28	31ARK	187188	14900	12.566	Cone	Pass	19038	8500	5/13/2019	6/10/2019
R260	28	IR156A	72673	5780	12.566	Columnar	Pass	19067	3000	5/13/2019	6/10/2019
R260	28	IR156B	72061	5730	12.566	Cone	Pass	19067	3000	5/13/2019	6/10/2019
119903	28	20	64950	5170	12.566	Cone & Shear	Pass	19289	3000	5/13/2019	6/10/2019
119903	28	20A	67376	5360	12.566	Cone	Pass	19289	3000	5/13/2019	6/10/2019
P230	28	1307	67775	5350	12.68	Cone & Shear	Pass	19299	4000	5/13/2019	6/10/2019
P230	28	1307A	67640	5330	12.68	Columnar	Pass	19299	4000	5/13/2019	6/10/2019
P230	28	1308	68519	5450	12.566	Columnar	Pass	19299	4000	5/13/2019	6/10/2019
P230	28	1308A	69074	5500	12.566	Columnar	Pass	19299	4000	5/13/2019	6/10/2019
T131	28	13A	67952	5410	12.566	Cone & Split	Pass	19345	3000	5/13/2019	6/10/2019
T131	28	13A	67487	5370	12.566	Columnar	Pass	19345	3000	5/13/2019	6/10/2019
Q029	28	344A	59548	4740	12.566	Cone & Shear	Pass	19161	3000	5/13/2019	6/10/2019

Q029	28	344A	59547	4740	12.566	Cone & Shear	Pass	19161	3000	5/13/2019	6/10/2019
S262	3	19B	43038	3420	12.566	Cone & Shear	Fail	19219	4000	6/4/2019	6/10/2019
262	5	18C	58416	4650	12.566	Cone & Shear	Pass	19219	4000	6/4/2019	6/10/2019
T001	7	1B	47141	3750	12.566	Cone & Shear	Pass	19230	3000	6/3/2019	6/10/2019
T001	7	1C	51918	4130	12.566	Columnar	Pass	19230	3000	6/3/2019	6/10/2019
Q029	28	343A	79846	6320	12.636	Columnar	Pass	19162	3000	5/13/2019	6/10/2019
Q029	28	343A	78040	6210	12.56	Cone&shear	Pass	19162	3000	5/13/2019	6/10/2019
P047	28	504A	58294	4640	12.566	Cone & Shear	Pass	19292	3000	5/13/2019	6/10/2019
P047	28	504A	61315	4880	12.566	Cone & Split	Pass	19292	3000	5/13/2019	6/10/2019
120086	28	5A	61668	4910	12.566	Cone & Split	Pass	19495	3000	5/13/2019	6/10/2019
120086	28	5A	63639	5060	12.566	Columnar	Pass	19495	3000	5/13/2019	6/10/2019
Q030	28	403A	61329	4880	12.566	Cone & Shear	Pass	19197	3000	5/13/2019	6/10/2019
Q030	28	403A	62189	4950	12.566	Cone & Shear	Pass	19197	3000	5/13/2019	6/10/2019
S200	28	5A	55748	4440	12.566	Columnar	Pass	19102	3000	5/13/2019	6/10/2019
S200	28	5A	51591	4110	12.566	Columnar	Pass	19102	3000	5/13/2019	6/10/2019
S323	28	6A	79241	6310	12.566	Columnar	Pass	19449	3000	5/13/2019	6/10/2019
S323	28	6A	75930	6040	12.566	Columnar	Pass	19449	3000	5/13/2019	6/10/2019
DB1701	28	609A	65897	5240	12.566	Columnar	Pass	19225	4000	5/13/2019	6/10/2019
DB1701	28	609B	61418	4890	12.566	Cone & Shear	Pass	19225	4000	5/13/2019	6/10/2019
DB1701	28	108AR	72714	5740	12.673	Cone & Shear	Pass	19225	4000	5/13/2019	6/10/2019
DB1701	28	108AR1	78542	6200	12.673	Cone & Shear	Pass	19225	4000	5/13/2019	6/10/2019
DB1701	28	108A	75906	6040	12.566	Cone & Shear	Pass	19225	4000	5/13/2019	6/10/2019
DB1701	28	108B	73923	5880	12.566	Cone & Shear	Pass	19225	4000	5/13/2019	6/10/2019
DB1601	28	47	85186	6780	12.566	Cone & Shear	Pass	19117	3000	5/13/2019	6/10/2019
DB1601	28	47A	86206	6860	12.566	Columnar	Pass	19117	3000	5/13/2019	6/10/2019
Q172	30	129	64466	5130	12.566	Cone & Shear	Pass	19087	3000	5/11/2019	6/10/2019
Q172	30	129A	65879	5240	12.566	Cone & Shear	Pass	19087	3000	5/11/2019	6/10/2019
S262	5	19C	42228	3360	12.566	Cone & Shear	Fail	19219	4000	6/5/2019	6/10/2019
S262	3	19B	58416	4650	12.566	Columnar	Pass	19219	4000	6/5/2019	6/10/2019
S060	28	511	82831	6560	12.636	Cone & Shear	Pass	19621	3000	5/14/2019	6/11/2019
S060	28	511A	83736	6630	12.636	Cone	Pass	19621	3000	5/14/2019	6/11/2019
R272	28	WMC164	88752	7060	12.566	Cone	Pass	19163	3000	5/14/2019	6/11/2019

R272	28	WMC164A	90644	7210	12.566	Columnar	Pass	19163	3000	5/14/2019	6/11/2019
R272	28	WMC164D	88770	7060	12.566	Cone & Shear	Pass	19163	3000	5/14/2019	6/11/2019
R272	28	WMC164E	85493	6800	12.566	Columnar	Pass	19163	3000	5/14/2019	6/11/2019
111041	28	B1-2	63201	5030	12.566	Cone	Pass	19087	3000	5/14/2019	6/11/2019
111041	28	B1-2A	61207	4870	12.566	Cone & Shear	Pass	19087	3000	5/14/2019	6/11/2019
R260	28	IR157A	63953	5050	12.667	Cone	Pass	19067	3000	5/14/2019	6/11/2019
R260	28	IR157B	63720	5030	12.667	Columnar	Pass	19067	3000	5/14/2019	6/11/2019
Q213	28	41	84001	2970	28.274	Cone & Shear	Fail	19614	3000	5/14/2019	6/11/2019
Q213	28	41A	88744	3140	28.274	Cone	Pass	19614	3000	5/14/2019	6/11/2019
Q213	7(28)	41B	93542	3310	28.274	Cone & Shear	Pass	19614	3000	5/14/2019	6/11/2019
Q213	28	42	122348	4330	28.274	Cone	Pass	19614	3000	5/14/2019	6/11/2019
Q213	28	42A	118687	4200	28.274	Cone & Split	Pass	19614	3000	5/14/2019	6/11/2019
P079	28	395	118391	4190	28.274	Columnar	Pass	19071	3000	5/14/2019	6/11/2019
P079	28	395A	119785	4240	28.274	Cone & Shear	Pass	19071	3000	5/14/2019	6/11/2019
S317	28	19	65660	5230	12.566	Cone	Pass	19070	3000	5/14/2019	6/11/2019
S317	28	19A	65252	5190	12.566	Cone	Pass	19070	3000	5/14/2019	6/11/2019
S254	28	24	93395	7430	12.566	Columnar	Pass	19037	3500	5/14/2019	6/11/2019
S254	28	24A	89859	7150	12.566	Cone & Split	Pass	19037	3500	5/14/2019	6/11/2019
119903	28	21	70810	5630	12.566	Columnar	Pass	19289	3000	5/14/2019	6/11/2019
119903	28	21A	66664	5300	12.566	Cone	Pass	19289	3000	5/14/2019	6/11/2019
P230	28	1309	74315	5880	12.642	Cone & Shear	Pass	19299	4000	5/14/2019	6/11/2019
P230	28	1309A	71199	5630	12.642	Cone	Pass	19299	4000	5/14/2019	6/11/2019
P230	28	1310	65534	5220	12.566	Cone & Shear	Pass	19299	4000	5/14/2019	6/11/2019
P230	28	1310A	65282	5190	12.566	Cone	Pass	19299	4000	5/14/2019	6/11/2019
R295	28	46	83891	6680	12.566	Cone	Pass	19135	3000	5/14/2019	6/11/2019
R295	28	46A	86107	6850	12.566	Cone	Pass	19135	3000	5/14/2019	6/11/2019
S259	28	16	66002	5250	12.566	Cone & Shear	Pass	17566	3000	5/14/2019	6/11/2019
S259	28	16A	67545	5380	12.566	Cone & Shear	Pass	17566	3000	5/14/2019	6/11/2019
S272	28	6ARK	191910	15270	12.566	Cone	Pass	19463	10000	5/14/2019	6/11/2019
S272	28	6ARK	213819	17020	12.566	Cone	Pass	19463	10000	5/14/2019	6/11/2019
111041	28	32ARK	174468	13880	12.566	Cone & Shear	Pass	19038	8500	5/14/2019	6/11/2019
111041	28	32ARK	173018	13770	12.566	Cone	Pass	19038	8500	5/14/2019	6/11/2019

S234	28	21A	92547	7360	12.566	Cone	Pass	19082	4500	5/14/2019	6/11/2019
S234	28	21A	91300	7270	12.566	Columnar	Pass	19082	4500	5/14/2019	6/11/2019
S234	28	22A	109439	8710	12.566	Cone	Pass	19082	4500	5/14/2019	6/11/2019
S234	28	22A	103818	8260	12.566	Cone	Pass	19082	4500	5/14/2019	6/11/2019
S234	28	23A	96381	7670	12.566	Cone	Pass	19082	4500	5/14/2019	6/11/2019
S234	28	23A	91371	7270	12.566	Columnar	Pass	19082	4500	5/14/2019	6/11/2019
S234	28	24A	105415	8320	12.667	Cone	Pass	19082	4500	5/14/2019	6/11/2019
S234	28	24A	103456	8170	12.667	Cone	Pass	19082	4500	5/14/2019	6/11/2019
Q030	28	404A	43417	3460	12.566	Cone	Pass	19198	3000	5/14/2019	6/11/2019
Q030	28	404A	41638	3310	12.566	Cone & Shear	Pass	19198	3000	5/14/2019	6/11/2019
T132	28	10A	98200	7810	12.566	Cone & Split	Pass	19345	3000	5/14/2019	6/11/2019
T132	28	10A	108672	8650	12.566	Cone & Split	Pass	19345	3000	5/14/2019	6/11/2019
DB1701	28	204	73643	5830	12.631	Cone	Pass	19220	3000	5/11/2019	6/10/2019
DB1701	28	204A	73368	5846	12.566	Cone	Pass	19220	3000	5/11/2019	6/10/2019
DB1701	28	813	78178	6220	12.566	Cone	Pass	19215	3000	5/14/2019	6/11/2019
DB1701	28	813A	81595	6490	12.566	Cone	Pass	19215	3000	5/14/2019	6/11/2019
DB1701	28	307	77768	6190	12.566	Cone & Shear	Pass	19230	3000	5/14/2019	6/11/2019
DB1701	28	307A	79597	6330	12.566	Cone & Shear	Pass	19230	3000	5/14/2019	6/11/2019
DB1701	28	405	68249	5430	12.566	Cone & Shear	Pass	19412	4000	5/14/2019	6/11/2019
DB1701	28	405A	74486	5930	12.566	Cone & Shear	Pass	19412	4000	5/14/2019	6/11/2019
DB1701	28	308	71682	5700	12.566	Cone	Pass	19215	3000	5/14/2019	6/11/2019
DB1701	28	308A	74349	5920	12.566	Cone	Pass	19215	3000	5/14/2019	6/11/2019
Q031	28	405F	78614	6250	12.579	Cone	Pass	19298	4000	5/14/2019	6/11/2019
Q031	28	405G	83603	6650	12.579	Cone	Pass	19298	4000	5/14/2019	6/11/2019
Q031	28	405L	70665	5620	12.566	Cone & Shear	Pass	19298	4000	5/14/2019	6/11/2019
Q031	28	405M	64112	5100	12.566	Cone & Shear	Pass	19298	4000	5/14/2019	6/11/2019
Q031	28	405R	61558	4890	12.579	Cone	Pass	19298	4000	5/14/2019	6/11/2019
Q031	28	405S	71292	5670	12.579	Cone	Pass	19298	4000	5/14/2019	6/11/2019
Q031	28	405X	78175	6220	12.566	Cone	Pass	19298	4000	5/14/2019	6/11/2019
Q031	28	405Y	65085	5180	12.566	Cone	Pass	19298	4000	5/14/2019	6/11/2019
Q031	28	405AD	73361	5800	12.654	Columnar	Pass	19298	4000	5/14/2019	6/11/2019
Q031	28	405AE	61456	4890	12.566	Columnar	Pass	19298	4000	5/14/2019	6/11/2019

CPI	28	18D	101081	8040	12.566	Columnar	Pass	19026	8000	5/14/2019	6/11/2019
CPI	28	18D	105217	8370	12.566	Columnar	Pass	19026	8000	5/14/2019	6/11/2019
CPI	28	19L	137921	10980	12.566	Columnar	Pass	19027	8000	5/14/2019	6/11/2019
CPI	28	19L	137663	10950	12.566	Columnar	Pass	19027	8000	5/14/2019	6/11/2019
S257	28	15	97460	7760	12.566	Cone	Pass	19376	3000	5/14/2019	6/11/2019
S257	28	15A	90824	7230	12.566	Cone	Pass	19376	3000	5/14/2019	6/11/2019
DB1601	28	48	83717	6650	12.592	Cone	Pass	19117	3000	5/14/2019	6/11/2019
DB1601	28	48A	91323	7250	12.592	Cone	Pass	19117	3000	5/14/2019	6/11/2019
R136	28	W168	83328	6630	12.566	Cone	Pass	19494	3000	5/14/2019	6/11/2019
R136	28	W168A	84686	6740	12.566	Cone	Pass	19494	3000	5/14/2019	6/11/2019
S340	28	1	56215	4470	12.566	Cone & Split	Pass	19062	3000	5/14/2019	6/11/2019
S340	28	1A	57541	4580	12.566	Columnar	Pass	19062	3000	5/14/2019	6/11/2019
Q346	28	R53	71038	5620	12.642	Cone	Pass	19331	3000	5/14/2019	6/11/2019
Q346	28	R53A	64972	5140	12.642	Cone	Pass	19331	3000	5/14/2019	6/11/2019
P230	28	1312	57802	4600	12.566	Cone & Shear	Pass	19118	3000	5/14/2019	6/11/2019
P230	28	1312A	58814	4680	12.566	Cone & Shear	Pass	19118	3000	5/14/2019	6/11/2019
P230	28	1311	55635	4430	12.566	Cone & Shear	Pass	19604	3000	5/14/2019	6/11/2019
P230	28	1311A	53110	4230	12.566	Cone & Shear	Pass	19604	3000	5/14/2019	6/11/2019
S277	28	44	66803	5320	12.566	Cone	Pass	19549	3000	5/14/2019	6/11/2019
S277	28	44A	68686	5470	12.566	Cone	Pass	19549	3000	5/14/2019	6/11/2019
T068	28	1	76365	6080	12.566	Cone	Pass	?	3500	5/14/2019	6/11/2019
T068	28	1A	81151	6460	12.566	Cone	Pass	?	3500	5/14/2019	6/11/2019
S314	28	2	79542	6330	12.566	Cone & Shear	Pass	19192	3000	5/14/2019	6/11/2019
S314	28	2A	72811	5790	12.566	Cone & Shear	Pass	19192	3000	5/14/2019	6/11/2019
S244	7	40C	56541	4500	12.566	Cone	Pass	19624	4000	6/4/2019	6/11/2019
Q031	28	405	69088	5500	12.566	Cone	Pass	19298	4000	5/14/2019	6/11/2019
Q031	28	405A	71529	5690	12.566	Cone	Pass	19298	4000	5/14/2019	6/11/2019
S060	8	20B	64592	5140	12.566	Cone	Pass	19494	3000	6/3/2019	6/11/2019
S060	6	21B	52603	4190	12.566	Cone	Pass	19494	3000	6/5/2019	6/11/2019
S060	6	22B	92740	7380	12.566	Columnar	Pass	19529	4500	6/5/2019	6/11/2019
S060	5	23B	92995	7400	12.566	Cone & Shear	Pass	19529	4500	6/6/2019	6/11/2019
S279	28	3	69619	5510	12.629	Cone & Shear	Pass	19403	3000	5/15/2019	6/12/2019

S279	28	3A	69427	5500	12.629	Cone & Shear	Pass	19403	3000	5/15/2019	6/12/2019
P230	28	1313	70163	5580	12.566	Cone & Shear	Pass	19299	4000	5/15/2019	6/12/2019
P230	28	1313A	74176	5900	12.566	Cone	Pass	19299	4000	5/15/2019	6/12/2019
P230	28	1314	74315	5910	12.566	Cone	Pass	19299	4000	5/15/2019	6/12/2019
P230	28	1314A	74183	5900	12.566	Columnar	Pass	19299	4000	5/15/2019	6/12/2019
P230	28	1315	62251	4910	12.667	Cone & Shear	Pass	19118	3000	5/15/2019	6/12/2019
P230	28	1315A	56796	4480	12.667	Cone	Pass	19118	3000	5/15/2019	6/12/2019
S009	28	1A	64954	5170	12.566	Cone & Shear	Pass	19495	3000	5/15/2019	6/12/2019
S009	28	1A	71938	5720	12.566	Cone & Shear	Pass	19495	3000	5/15/2019	6/12/2019
T204	28	1A	68601	5420	12.654	Cone & Split	Pass	19345	3000	5/15/2019	6/12/2019
T204	28	1A	66861	5280	12.654	Cone & Shear	Pass	19345	3000	5/15/2019	6/12/2019
P287	28	170A	94284	7500	12.566	Cone	Pass	19152	4000	5/15/2019	6/12/2019
P287	28	170A	99627	7930	12.566	Cone	Pass	19152	4000	5/15/2019	6/12/2019
S347	28	1A	57657	4590	12.566	Cone & Shear	Pass	19321	3000	5/15/2019	6/12/2019
S347	28	1A	59069	4700	12.566	Cone & Shear	Pass	19321	3000	5/15/2019	6/12/2019
R295	28	47A	76120	6060	12.566	Cone	Pass	19134	3000	5/15/2019	6/12/2019
R295	28	47A	78367	6240	12.566	Columnar	Pass	19134	3000	5/15/2019	6/12/2019
P287	28	171A	94030	7480	12.566	Cone	Pass	19152	4000	5/15/2019	6/12/2019
P287	28	171A	98711	7860	12.566	Cone	Pass	19152	4000	5/15/2019	6/12/2019
T132	28	11A	75244	5990	12.566	Columnar	Pass	19345	3000	5/15/2019	6/12/2019
T132	28	11A	79708	6340	12.566	Cone & Shear	Pass	19345	3000	5/15/2019	6/12/2019
P047	28	505A	55967	4450	12.566	Columnar	Pass	19292	3000	5/15/2019	6/12/2019
P047	28	505A	57926	4610	12.566	Cone & Shear	Pass	19292	3000	5/15/2019	6/12/2019
Q030	28	405A	57199	4550	12.566	Cone & Shear	Pass	19197	3000	5/15/2019	6/12/2019
Q030	28	405A	57932	4610	12.566	Columnar	Pass	19197	3000	5/15/2019	6/12/2019
DB1701	28	611A	58061	4620	12.566	Cone & Shear	Pass	19215	3000	5/15/2019	6/12/2019
DB1701	28	611B	56653	4510	12.566	Columnar	Pass	19215	3000	5/15/2019	6/12/2019
DB1701	28	610A	47283	< 3760	12.566	Cone & Shear	Fail	19225	4000	5/15/2019	6/12/2019
DB1701	28	610B	44767	< 3560	12.566	Cone & Shear	Fail	19225	4000	5/15/2019	6/12/2019
DB1701	28	610C	48575	< 3870	12.566	Columnar	Fail	19225	4000	5/15/2019	6/12/2019
DB1701	28	610D	46763	< 3720	12.566	Cone & Shear	Fail	19225	4000	5/15/2019	6/12/2019
DZA	28	21D	163024	12970	12.566	Cone	Pass	19027	8000	5/15/2019	6/12/2019

DZA	28	21D	167108	13300	12.566	Cone & Shear	Pass	19027	8000	5/15/2019	6/12/2019
R272	28	WMC165	105209	8310	12.667	Cone	Pass	19163	3000	5/15/2019	6/12/2019
R272	28	WMC165A	100042	7900	12.667	Columnar	Pass	19163	3000	5/15/2019	6/12/2019
DB1601	28	49	82219	6540	12.566	Cone & Shear	Pass	19117	3000	5/15/2019	6/12/2019
DB1601	28	49A	82478	6560	12.566	Columnar	Pass	19117	3000	5/15/2019	6/12/2019
DB1701	28	902A	1830	150	12.566	Cone		19228	Flow fill	5/15/2019	6/12/2019
DB1701	28	902B	2369	190	12.566	Cone		19228	Flow fill	5/15/2019	6/12/2019
R280	7	41B	47544	3780	12.566	Columnar	Pass	19089	3000	6/5/2019	6/12/2019
R280	7	41C	44970	3580	12.566	Cone & Shear	Pass	19089	3000	6/5/2019	6/12/2019
S314	28	3	76921	6070	12.667	Columnar	Pass	19192	3000	5/15/2019	6/12/2019
S314	28	3A	77726	6140	12.667	Cone & Shear	Pass	19192	3000	5/15/2019	6/12/2019
S369	7	9B	34215	< 2720	12.566	Cone	Fail	19377	3000	6/5/2019	6/12/2019
112919	28	5	49992	3980	12.566	Cone	Pass	19581	3000	5/16/2019	6/13/2019
112919	28	5A	54835	4360	12.566	Cone & Shear	Pass	19581	3000	5/16/2019	6/13/2019
111041	28	B1-3	52819	4200	12.566	Cone & Shear	Pass	19087	3000	5/16/2019	6/13/2019
111041	28	B1-3A	50851	4050	12.566	Cone & Shear	Pass	19087	3000	5/16/2019	6/13/2019
R220	28	40	69822	5560	12.566	Cone & Shear	Pass	19310	3000	5/16/2019	6/13/2019
R220	28	40A	71868	5720	12.566	Columnar	Pass	19310	3000	5/16/2019	6/13/2019
R220	28	41	70482	5610	12.566	Columnar	Pass	19310	3000	5/16/2019	6/13/2019
R220	28	41A	63122	5020	12.566	Columnar	Pass	19310	3000	5/16/2019	6/13/2019
P079	28	396	114332	4040	28.274	Cone & Shear	Pass	19071	3000	5/16/2019	6/13/2019
P079	28	396A	113909	4030	28.274	Columnar	Pass	19071	3000	5/16/2019	6/13/2019
S369	28	6	41964	3340	12.566	Cone & Shear	Pass	19377	3000	5/16/2019	6/13/2019
S369	28	6A	46007	3660	12.566	Columnar	Pass	19377	3000	5/16/2019	6/13/2019
R260	28	SW158A	63987	5050	12.661	Columnar	Pass	19639	3000	5/16/2019	6/13/2019
R260	28	SW158B	61662	4870	12.661	Columnar	Pass	19639	3000	5/16/2019	6/13/2019
S244	28	21	61831	4920	12.566	Columnar	Pass	19624	4000	5/16/2019	6/13/2019
S244	28	21A	57559	4580	12.566	Columnar	Pass	19624	4000	5/16/2019	6/13/2019
120315	28	84A	48404	3850	12.566	Cone	Pass	19206	3000	5/16/2019	6/13/2019
120315	28	84A	43496	3460	12.566	Cone	Pass	19206	3000	5/16/2019	6/13/2019
Q030	28	406A	71331	5680	12.566	Columnar	Pass	19194	4000	5/16/2019	6/13/2019
Q030	28	406A	72219	5750	12.566	Cone	Pass	19194	4000	5/16/2019	6/13/2019

T118	28	1A	57612	4580	12.566	Cone & Shear	Pass	19172	3000	5/16/2019	6/13/2019
T118	28	1A	55291	4400	12.566	Cone & Shear	Pass	19172	3000	5/16/2019	6/13/2019
R295	28	48A	71495	5690	12.566	Columnar	Pass	19134	3000	5/16/2019	6/13/2019
R295	28	48A	70952	5650	12.566	Cone	Pass	19134	3000	5/16/2019	6/13/2019
P047	28	506A	55914	4450	12.566	Cone	Pass	19292	3000	5/16/2019	6/13/2019
P047	28	506A	57345	4560	12.566	Cone	Pass	19292	3000	5/16/2019	6/13/2019
Q029	28	346A	71690	5670	12.642	Cone & Shear	Pass	19159	4000	5/16/2019	6/13/2019
Q029	28	346A	73864	5840	12.642	Cone	Pass	19159	4000	5/16/2019	6/13/2019
S272	28	7ARK	208305	16580	12.566	Cone	Pass	19463	10000	5/16/2013	6/13/2019
S272	28	7ARK	207641	16520	12.566	Cone	Pass	19463	10000	5/16/2013	6/13/2019
S338	28	13	56379	4490	12.566	Columnar	Pass	19582	3000	5/16/2019	6/13/2019
S338	28	13A	59942	4770	12.566	Columnar	Pass	19582	3000	5/16/2019	6/13/2019
DB1701	28	309A	61606	4870	12.642	Columnar	Pass	19215	3000	5/16/2019	6/13/2019
DB1701	28	309B	59219	4710	12.566	Columnar	Pass	19215	3000	5/16/2019	6/13/2019
DZA	28	22M	126054	10030	12.566	Cone	Pass	19026	8000	5/16/2019	6/13/2019
DZA	28	22M	120006	9550	12.566	Cone	Pass	19026	8000	5/16/2019	6/13/2019
S257	28	16	83180	6620	12.566	Columnar	Pass	19376	3000	5/16/2019	6/13/2019
S257	28	16A	81194	6460	12.566	Cone	Pass	19376	3000	5/16/2019	6/13/2019
R272	28	WMC166	96551	7680	12.566	Cone	Pass	19163	3000	5/16/2019	6/13/2019
R272	28	WMC166A	98806	7860	12.566	Cone	Pass	19163	3000	5/16/2019	6/13/2019
S367	28	F1	89435	7120	12.566	Cone	Pass	19270	3000	5/16/2019	6/13/2019
S367	28	F1A	91841	7310	12.566	Columnar	Pass	19270	3000	5/16/2019	6/13/2019
Q346	28	W38	61884	4920	12.566	Columnar	Pass	19331	3000	5/16/2019	6/13/2019
Q346	28	W38A	64181	5110	12.566	Cone & Shear	Pass	19331	3000	5/16/2019	6/13/2019
S334	28	3	68562	5460	12.566	Cone	Pass	19291	3000	5/16/2019	6/13/2019
S334	28	3A	68970	5490	12.566	Cone & Shear	Pass	19291	3000	5/16/2019	6/13/2019
S334	28	3B	66030	5210	12.673	Cone & Shear	Pass	19291	3000	5/16/2019	6/13/2019
S334	28	3C	66950	5280	12.673	Cone & Shear	Pass	19291	3000	5/16/2019	6/13/2019
P230	28	1318	132920	4680	28.378	Cone & Shear	Pass	19281	3000	5/16/2019	6/13/2019
P230	28	1318A	132374	4660	28.378	Columnar	Pass	19281	3000	5/16/2019	6/13/2019
119903	28	22	61407	4890	12.566	Columnar	Pass	19289	3000	5/16/2019	6/13/2019
119903	28	22A	59364	4720	12.566	Columnar	Pass	19289	3000	5/16/2019	6/13/2019



P230	28	1317	63280	5000	12.661	Cone	Pass	19299	4000	5/16/2019	6/13/2019
P230	28	1317A	62138	4910	12.661	Cone	Pass	19299	4000	5/16/2019	6/13/2019
P230	28	1316	74524	5930	12.566	Cone	Pass	19299	4000	5/16/2019	6/13/2019
P230	28	1316A	71046	5650	12.566	Cone	Pass	19299	4000	5/16/2019	6/13/2019
CMGC02	28	K117	68077	5420	12.566	Cone & Shear	Pass	19525	3000	5/16/2019	6/13/2019
CMGC02	28	K117A	73758	5870	12.566	Columnar	Pass	19525	3000	5/16/2019	6/13/2019
S127	7	99B	57006	4540	12.566	Cone	Pass	19089	3000	6/6/2019	6/13/2019
S127	7	99C	58482	4650	12.566	Cone & Shear	Pass	19089	3000	6/6/2019	6/13/2019
R220	28	42	63517	5050	12.566	Cone & Shear	Pass	19310	3000	5/17/2019	6/14/2019
R220	28	42A	65849	5240	12.566	Cone & Shear	Pass	19310	3000	5/17/2019	6/14/2019
S355	28	9	79726	6290	12.667	Cone & Shear	Pass	19403	3000	5/17/2019	6/14/2019
S355	28	9A	77055	6080	12.667	Cone	Pass	19403	3000	5/17/2019	6/14/2019
S279	28	4	59573	4740	12.566	Columnar	Pass	19403	3000	5/17/2019	6/14/2019
S279	28	4A	62321	4960	12.566	Cone	Pass	19403	3000	5/17/2019	6/14/2019
T901	28	3	55920	4450	12.566	Cone & Shear	Pass	19625	3000	5/17/2019	6/14/2019
T901	28	3A	60358	4800	12.566	Cone & Shear	Pass	19625	3000	5/17/2019	6/14/2019
T036	28	1A	75072	5970	12.566	Columnar	Pass	19602	3500	5/17/2019	6/14/2019
T036	28	1A	80532	6410	12.566	Cone	Pass	19602	3500	5/17/2019	6/14/2019
R275	28	87A	60261	4800	12.566	Cone	Pass	19103	3000	5/17/2019	6/14/2019
R275	28	87A	61919	4930	12.566	Cone	Pass	19103	3000	5/17/2019	6/14/2019
Q297	28	304A	63235	5030	12.566	Columnar	Pass	19194	3000	5/17/2019	6/14/2019
Q297	28	304A	61869	4920	12.566	Cone & Shear	Pass	19194	3000	5/17/2019	6/14/2019
R275	28	86-A	59909	4770	12.566	Cone	Pass	19103	3000	5/17/2019	6/14/2019
R275	28	86-A	60264	4800	12.566	Cone	Pass	19103	3000	5/17/2019	6/14/2019
S088	28	17A	69625	5540	12.566	Cone	Pass	19323	3000	5/17/2019	6/14/2019
S088	28	17A	68354	5440	12.566	Columnar	Pass	19323	3000	5/17/2019	6/14/2019
R275	28	85A	44399	3530	12.566	Cone	Pass	19103	3000	5/17/2019	6/14/2019
R275	28	85A	45465	3620	12.566	Cone & Shear	Pass	19103	3000	5/17/2019	6/14/2019
R275	28	88A	59708	4720	12.661	Cone	Pass	19103	3000	5/17/2019	6/14/2019
R275	28	88A	59855	4730	12.661	Columnar	Pass	19103	3000	5/17/2019	6/14/2019
120315	28	85A	57080	4520	12.642	Cone & Shear	Pass	19206	3000	5/17/2019	6/14/2019
120315	28	85A	60876	4820	12.642	Columnar	Pass	19206	3000	5/17/2019	6/14/2019

S200	28	6A	52413	4170	12.566	Cone	Pass	19102	3000	5/17/2019	6/14/2019
S200	28	6A	54775	4360	12.566	Cone	Pass	19102	3000	5/17/2019	6/14/2019
R295	28	49A	71388	5680	12.566	Cone & Shear	Pass	19134	3000	5/17/2019	6/14/2019
R295	28	49A	73582	5860	12.566	Cone & Shear	Pass	19134	3000	5/17/2019	6/14/2019
S300	28	1	52925	4210	12.566	Columnar	Pass	19089	3000	5/17/2019	6/14/2019
S300	28	1A	53200	4230	12.566	Cone	Pass	19089	3000	5/17/2019	6/14/2019
S060	28	13	101103	8050	12.566	Cone	Pass	19529	4500	5/17/2019	6/14/2019
S060	28	13A	98527	7840	12.566	Cone	Pass	19529	4500	5/17/2019	6/14/2019
DB1701	28	310A	52269	4130	12.667	Cone	Pass	19225	4000	5/17/2019	6/14/2019
DB1701	28	310B	58352	4610	12.667	Cone & Shear	Pass	19225	4000	5/17/2019	6/14/2019
S202	28	27	57622	4590	12.566	Cone & Shear	Pass	19262	4000	5/17/2019	6/14/2019
S202	28	27A	60678	4830	12.566	Cone	Pass	19262	4000	5/17/2019	6/14/2019
DB1701	28	406A	51496	4100	12.566	Cone & Shear	Pass	19412/19411	4000	5/17/2019	6/14/2019
DB1701	28	406B	50451	4010	12.566	Cone	Pass	19412/19411	4000	5/17/2019	6/14/2019
DZA	28	23D	109646	8660	12.667	Cone	Pass	19026	8000	5/17/2019	6/14/2019
DZA	28	23D	105216	8310	12.667	Cone	Pass	19026	8000	5/17/2019	6/14/2019
DZA	28	35D	116677	9280	12.566	Cone	Pass	19026	6000	5/17/2019	6/14/2019
DZA	28	35D	119890	9540	12.566	Cone	Pass	19026	6000	5/17/2019	6/14/2019
R272	28	D113	72129	5740	12.566	Columnar	Pass	19271	4000	5/17/2019	6/14/2019
R272	28	D113A	70809	5630	12.566	Cone	Pass	19271	4000	5/17/2019	6/14/2019
R272	28	D167	92285	7340	12.566	Cone	Pass	19165	3000	5/17/2019	6/14/2019
R272	28	D167A	94275	7500	12.566	Cone	Pass	19165	3000	5/17/2019	6/14/2019
R272	28	WMC168	86031	6850	12.566	Cone & Shear	Pass	19164	4000	5/17/2019	6/14/2019
R272	28	WMC168A	94122	7490	12.566	Cone & Shear	Pass	19164	4000	5/17/2019	6/14/2019
R272	28	MP114	112501	3980	28.274	Cone & Shear	Pass	19338	3000	5/17/2019	6/14/2019
R272	28	MP114A	108367	3830	28.274	Cone & Shear	Pass	19338	3000	5/17/2019	6/14/2019
DB1601	28	50	74548	5930	12.566	Cone	Pass	19117	3000	5/17/2019	6/14/2019
DB1601	28	50A	75170	5980	12.566	Columnar	Pass	19117	3000	5/17/2019	6/14/2019
Q213	28	43	111355	3940	28.274	Cone & Shear	Pass	19614	3000	5/17/2019	6/14/2019
Q213	28	43A	110208	3900	28.274	Cone & Shear	Pass	19614	3000	5/17/2019	6/14/2019
Q346	28	W-39	67035	5330	12.566	Columnar	Pass	19331	3000	5/17/2019	6/14/2019
Q346	28	W-39A	67720	5390	12.566	Cone	Pass	19331	3000	5/17/2019	6/14/2019

S340	28	2	51904	4130	12.566	Cone & Split	Pass	19062	3000	5/17/2019	6/14/2019
S340	28	2A	49815	3960	12.566	Cone & Split	Pass	19062	3000	5/17/2019	6/14/2019
P230	28	1327	83135	6620	12.566	Cone & Shear	Pass	19119	4000	5/17/2019	6/14/2019
P230	28	1327A	81675	6500	12.566	Cone & Shear	Pass	19119	4000	5/17/2019	6/14/2019
P230	28	1328	67329	5360	12.566	Cone & Shear	Pass	19119	4000	5/17/2019	6/14/2019
P230	28	1328A	67712	5390	12.566	Cone & Shear	Pass	19119	4000	5/17/2019	6/14/2019
P230	28	1326	71396	5680	12.566	Cone & Shear	Pass	19119	4000	5/17/2019	6/14/2019
P230	28	1326A	78743	6270	12.566	Cone & Shear	Pass	19119	4000	5/17/2019	6/14/2019
P230	28	1325	70917	5640	12.566	Cone	Pass	19119	4000	5/17/2019	6/14/2019
P230	28	1325A	79258	6310	12.566	Cone	Pass	19119	4000	5/17/2019	6/14/2019
P230	28	1323	81723	6470	12.629	Columnar	Pass	19119	4000	5/17/2019	6/14/2019
P230	28	1323A	83754	6660	12.566	Cone & Shear	Pass	19119	4000	5/17/2019	6/14/2019
P230	28	1321	69130	5500	12.566	Cone	Pass	19119	4000	5/17/2019	6/14/2019
P230	28	1321A	73476	5850	12.566	Cone & Shear	Pass	19119	4000	5/17/2019	6/14/2019
P230	28	1320	85112	6770	12.566	Cone & Shear	Pass	19119	4000	5/17/2019	6/14/2019
P230	28	1320A	88755	7060	12.566	Cone & Shear	Pass	19119	4000	5/17/2019	6/14/2019
P230	28	1319	62489	4970	12.566	Cone & Shear	Pass	19120	3000	5/17/2019	6/14/2019
P230	28	1319A	61878	4920	12.566	Cone & Split	Pass	19120	3000	5/17/2019	6/14/2019
P230	28	1324	73645	5860	12.566	Columnar	Pass	19119	4000	5/17/2019	6/14/2019
P230	28	1324A	76095	6060	12.566	Columnar	Pass	19119	4000	5/17/2019	6/14/2019
P230	28	1322	70596	5590	12.636	Cone	Pass	19119	4000	5/17/2019	6/14/2019
P230	28	1322A	70064	5540	12.636	Columnar	Pass	19119	4000	5/17/2019	6/14/2019
119903	28	23	49300	3910	12.604	Columnar	Pass	19289	3000	5/17/2019	6/14/2019
119903	28	23A	49578	3930	12.604	Columnar	Pass	19289	3000	5/17/2019	6/14/2019
S317	28	21	66131	5260	12.566	Cone & Split	Pass	19070	3000	5/17/2019	6/14/2019
S317	28	21A	65915	5250	12.566	Cone & Split	Pass	19070	3000	5/17/2019	6/14/2019
P230	28	1329	50711	4040	12.566	Cone & Shear	Pass	19118	3000	5/17/2019	6/14/2019
P230	28	1329A	53035	4220	12.566	Cone & Shear	Pass	19118	3000	5/17/2019	6/14/2019
P047	28	507	63066	5020	12.566	Cone & Shear	Pass	19381	3000	5/17/2019	6/14/2019
P047	28	507A	52632	4190	12.566	Cone & Shear	Pass	19381	3000	5/17/2019	6/14/2019
T063	28	1	53189	4230	12.566	Cone & Shear	Pass	19591	3000	5/17/2019	6/14/2019
T063	28	1A	51617	4110	12.566	Cone & Shear	Pass	19591	3000	5/17/2019	6/14/2019

S285	28	23	63025	4990	12.629	Cone & Shear	Pass	19272	3000	5/17/2019	6/14/2019
S285	28	23A	55036	4360	12.629	Cone & Shear	Pass	19272	3000	5/17/2019	6/14/2019
R277	28	45	69263	5510	12.566	Cone & Shear	Pass	19549	3000	5/17/2019	6/14/2019
R277	28	45A	68608	5460	12.566	Cone & Shear	Pass	19549	3000	5/17/2019	6/14/2019
CMGC02	28	K118	90732	7220	12.566	Cone & Shear	Pass	19305	3000	5/17/2019	6/14/2019
CMGC02	28	K118A	91165	7250	12.566	Cone & Shear	Pass	19305	3000	5/17/2019	6/14/2019
S080	28	20	57095	4530	12.617	Cone & Shear	Pass	19361	3000	5/17/2019	6/14/2019
S080	28	20A	53163	4230	12.566	Cone & Shear	Pass	19361	3000	5/17/2019	6/14/2019