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Formation Removal Chart

Use this chart to calculate the approximate cubic feet of material removed per foot drilled. To calculate the total cubic yards of material to be removed, multiply the cubic feet by the total footage and divide by 27.

OPENING DIAMETER "B"

PILOT HOLE DIAMETER "A"	OPENING DIAMETER "B"																													
	62	60	58	56	54	52	50	48	46	44	42	40	38	36	34	32	30	28	26	24	22	20	18	16	14	12	10	8	6	4
0	20.97	19.64	18.36	17.11	15.91	14.75	13.64	12.57	11.55	10.56	9.63	8.73	7.88	7.07	6.31	5.59	4.91	4.28	3.69	3.14	2.64	2.18	1.77	1.40	1.07	0.79	0.55	0.35	0.20	0.09
4	20.88	19.55	18.27	17.02	15.82	14.66	13.55	12.48	11.46	10.47	9.54	8.64	7.79	6.98	6.22	5.50	4.82	4.19	3.60	3.05	2.55	2.09	1.68	1.31	0.98	0.70	0.46	0.26	0.11	4
6	20.77	19.44	18.16	16.91	15.71	14.55	13.44	12.37	11.35	10.36	9.43	8.53	7.68	6.87	6.11	5.39	4.71	4.08	3.49	2.94	2.44	1.98	1.52	1.20	0.87	0.56	0.35	0.15	6	
8	20.62	19.29	18.01	16.76	15.56	14.40	13.29	12.22	11.20	10.21	9.28	8.38	7.53	6.72	5.96	5.24	4.56	3.93	3.34	2.79	2.29	1.83	1.42	1.05	0.72	0.44	0.20	8		
10	20.42	19.09	17.81	16.56	15.36	14.20	13.09	12.02	11.00	10.01	9.08	8.18	7.33	6.52	5.76	5.04	4.36	3.73	3.14	2.59	2.09	1.63	1.22	0.85	0.52	0.24	10			
12	20.18	18.85	17.57	16.32	15.12	13.96	12.85	11.78	10.76	9.77	8.84	7.94	7.09	6.28	5.52	4.80	4.12	3.49	2.90	2.35	1.85	1.39	0.98	0.61	0.28	12				
14	19.90	18.57	17.29	16.04	14.84	13.68	12.57	11.50	10.48	9.49	8.56	7.66	6.81	6.00	5.24	4.52	3.84	3.21	2.62	2.07	1.57	1.11	0.70	0.33	14					
16	19.57	18.24	16.96	15.71	14.51	13.35	12.24	11.17	10.15	9.16	8.23	7.33	6.48	5.67	4.91	4.19	3.51	2.88	2.29	1.74	1.24	0.78	0.37	16						
18	19.20	17.87	16.59	15.34	14.14	12.98	11.87	10.80	9.78	8.79	7.88	6.99	6.11	5.30	4.54	3.82	3.14	2.51	1.92	1.37	0.87	0.37	18							
20	18.79	17.46	16.18	14.93	13.73	12.57	11.46	10.36	9.37	8.38	7.45	6.55	5.70	4.89	4.13	3.41	2.73	2.10	1.51	0.96	0.46	20								
22	18.33	17.00	15.72	14.47	13.27	12.11	11.00	9.93	8.91	7.92	6.99	6.09	5.24	4.43	3.67	2.94	2.27	1.64	1.05	0.50	22									
24	17.83	16.50	15.22	13.97	12.77	11.61	10.50	9.43	8.41	7.42	6.49	5.59	4.74	3.93	3.17	2.45	1.77	1.14	0.55	24										
26	17.28	15.95	14.67	13.42	12.22	11.06	9.95	8.88	7.86	6.87	5.94	5.04	4.19	3.38	2.62	1.90	1.22	0.59	26											
28	16.69	15.36	14.08	12.83	11.63	10.47	9.36	8.29	7.27	6.28	5.35	4.45	3.60	2.79	2.03	1.31	0.63	28												
30	16.06	14.73	13.45	12.20	11.00	9.84	8.73	7.66	6.64	5.65	4.72	3.82	2.97	2.18	1.40	0.68	30													
32	15.38	14.05	12.77	11.52	10.32	9.16	8.05	6.98	5.96	4.97	4.04	3.14	2.29	1.48	0.72	32														
34	14.66	13.31	12.05	10.80	9.60	8.44	7.33	6.26	5.24	4.25	3.32	2.42	1.57	0.76	34															
36	13.90	12.57	11.29	10.04	8.84	7.68	6.53	5.50	4.48	3.49	2.56	1.66	0.81	36																
38	13.09	11.76	10.48	9.23	8.03	6.87	5.76	4.69	3.67	2.68	1.75	0.85	38																	
40	12.24	10.91	9.63	8.38	7.18	6.02	4.91	3.84	2.82	1.83	0.90	40																		
42	11.34	10.01	8.73	7.48	6.28	5.12	4.01	2.94	1.92	0.93	42																			
44	10.41	9.08	7.80	6.55	5.35	4.19	3.08	2.01	0.99	44																				
46	9.42	8.09	6.81	5.56	4.36	3.20	2.09	1.02	46																					
48	8.40	7.07	5.79	4.54	3.34	2.18	1.07	48																						
50	7.33	6.00	4.72	3.47	2.27	1.11	50																							
52	6.22	4.89	3.61	2.36	1.16	52																								
54	5.06	3.73	2.45	1.20	54																									
56	3.86	2.53	1.25	56																										
58	2.61	1.28	58																											
60	1.33	60																												

