

Table 2.--Core data and core index for drill hole USBM-01, Fault Draw, Piceance Creek Basin, Rio Blanco County, Colorado

[Leaders (---) indicate data not available]

Core run No.	Cored interval ft (m)	Length cored ft (m)	Recovery ft (m)	Loss ft (m)	Broken ¹ ft (m)	Joints per core run	Core Index ² (CI)	Comments
1	750-765 (228.6-233.1)	15 (4.6)	15 (4.6)	0	6.8 (2.1)	16	72	
2	765-782 (233.1-238.4)	17 (5.2)	17 (5.2)	0	4.8 (1.5)	23	62	
3	782-792 (238.4-241.4)	10 (3.0)	10 (3.0)	0	8.2 (2.5)	7	100	
4	792-801 (241.4-244.0)	9 (2.7)	9 (2.7)	0	7.5 (2.3)	4	94	
5	801-813 (244.0-247.8)	12 (3.7)	12 (3.7)	0	8.1 (2.5)	8	84	Broken and brittle
6	813-821 (247.8-250.2)	8 (2.4)	7.2 (2.2)	0.8 (0.2)	1.3 (0.4)	4	38	
7	821-837 (250.2-255.1)	16 (4.9)	16 (4.9)	0	3.6 (1.1)	16	47	
8	837-853 (255.1-260.0)	16 (4.9)	16 (4.9)	0	6 (1.8)	8	50	
9	853-870 (260.0-265.2)	17 (5.2)	16 (4.9)	1 (0.3)	9.7 (3.0)	9	74	
10	870-895 (265.2-272.8)	25 (7.6)	23 (7.0)	2 (0.6)	6.6 (2.0)	9	42	
11	895-915 (272.8-278.9)	20 (6.1)	18.5 (5.6)	1.5 (0.5)	7.5 (2.3)	7	55	
12	915-929 (278.9-283.2)	14 (4.3)	14 (4.3)	0	6.1 (1.9)	13	65	Discing
13	926-947.7 (282.2-288.9)	21.7 (6.6)	21.7 (6.6)	0	4.4 (1.3)	16	38	3-foot (0.9 m) correction
14	947.7-962.2 (288.9-293.3)	14.5 (4.4)	14.5 (4.4)	0	3.5 (1.1)	6	34	
15	962.2-978.7 (293.3-298.3)	16.5 (5.0)	16.5 (5.0)	0	6 (1.8)	5	43	
16	978.7-988.2 (298.3-301.2)	9.5 (2.9)	9.5 (2.9)	0	3.9 (1.2)	10	67	Faults at 980 and 986 feet (298.7 and 300.5 m)
17	988.2-1,009.0 (301.2-307.5)	20.8 (6.3)	20.8 (6.3)	0	5.5 (1.7)	7	36	Fault at 1,001 feet (305.1 m)
18	1,009.0-1,026.4 (307.5-312.8)	17.4 (5.3)	17.4 (5.3)	0	5 (1.5)	7	40	
19	1,026.4-1,039.2 (312.8-316.7)	12.8 (3.9)	10.5 (3.2)	2.3 (0.7)	9.2 (2.8)	3	97	Shattered
20	1,039.2-1,052.6 (316.7-320.8)	13.4 (4.1)	9 (2.7)	4.4 (1.3)	6.4 (2.0)	1	80	Lower 4 feet (1.2 m) clay
21	1,052.6-1,069.6 (320.8-326.0)	17.0 (5.2)	17 (5.2)	0	9 (2.7)	3	58	
22	1,069.6-1,087.0 (326.0-331.3)	17.4 (5.3)	13.9 (4.2)	3.5 (1.1)	7.4 (2.3)	4	68	
23	1,087.0-1,105.4 (331.3-336.9)	18.4 (5.6)	18.4 (5.6)	0	7 (2.1)	10	51	
24	1,105.4-1,134.7 (336.9-345.9)	29.3 (8.9)	29.3 (8.9)	0	12.8 (3.9)	17	57	
25	1,134.7-1,155.2 (345.9-352.1)	20.5 (6.2)	17.5 (5.3)	3 (0.9)	14.5 (4.4)	12	100	Clay at 1,145 feet (349.0 m)
26	1,155.2-1,178.0 (352.1-359.1)	22.8 (6.9)	22.8 (6.9)	0	19.7 (6.0)	5	90	Faulted at 1,175.4-1,178.0 feet (358.3-359.1 m)
27	1,178.0-1,207.2 (359.1-368.0)	29.2 (8.9)	25.9 (7.9)	3.3 (1.0)	18.5 (5.6)	5	78	Brittle
28	1,207.2-1,233.1 (368.0-375.8)	25.9 (7.9)	25.9 (7.9)	0	8.1 (2.5)	7	38	
29	1,233.1-1,262.7 (375.8-384.9)	29.6 (9.0)	29.6 (9.0)	0	5.7 (1.7)	5	20	
30	1,262.7-1,292.7 (384.9-394.0)	30.0 (9.1)	25 (7.6)	5 (1.5)	7.2 (2.2)	16	54	
31	1,292.7-1,307.8 (394.0-398.6)	15.1 (4.6)	13 (4.0)	2.1 (0.6)	7.7 (2.3)	4	71	Clay at 1,294.5 feet (394.6 m), fault at 1,313.0-1,313.5 feet (400.2-400.4 m)
32	1,307.8-1,330.3 (398.6-405.5)	22.5 (6.9)	13 (4.0)	9.5 (2.9)	11.9 (3.6)	2	96	1,318.8-1,320.8 feet (402.0-402.6 m) clay
33	1,330.3-1,335.9 (405.5-407.2)	5.6 (1.7)	4.8 (1.5)	.8 (0.2)	1.5 (0.5)	1	21	
34	1,335.9-1,363.8 (407.2-415.7)	27.9 (8.5)	17.5 (5.3)	10.4 (3.2)	6 (1.8)	0	93	
35	1,363.8-1,393.8 (415.7-424.8)	30.0 (9.1)	30 (9.1)	0	5.2 (1.6)	1	18	
36	1,390.8-1,421.2 (423.9-433.2)	30.4 (9.3)	30.4 (9.3)	0	1.7 (0.5)	2	7	Depth correction 3 feet (0.9 m)
37	1,421.2-1,451.2 (433.2-442.3)	30.0 (9.1)	30.0 (9.1)	0	.5 (0.2)	2	3	
38	1,451.2-1,480.7 (442.3-451.3)	29.5 (9.0)	29.5 (9.0)	0	1.1 (0.3)	1	4	
39	1,480.7-1,510.8 (451.3-460.5)	30.1 (9.2)	29.5 (9.0)	.6 (0.2)	3.6 (1.1)	2	15	
40	1,510.8-1,540.8 (460.5-469.6)	30.0 (9.1)	30.0 (9.1)	0	3.1 (0.9)	3	12	
41	1,540.8-1,570.8 (469.6-478.8)	30.0 (9.1)	30.0 (9.1)	0	2.3 (0.7)	3	10	
42	1,570.8-1,600.8 (478.8-487.9)	30.0 (9.1)	28.5 (8.7)	1.5 (0.5)	4.1 (1.2)	6	23	
43	1,603.8-1,639.0 (488.8-499.6)	35.2 (10.7)	28.2 (8.6)	7.0 (2.1)	4.4 (1.3)	7	36	Depth correction 3 feet (0.9 m)
44	1,639.0-1,669.0 (499.6-508.7)	30.0 (9.1)	28.7 (8.7)	1.3 (0.4)	4.2 (1.3)	2	20	Abundant halite
45	1,669.0-1,699.0 (508.7-517.9)	30.0 (9.1)	17.9 (5.5)	12.1 (3.7)	.8 (0.2)	0	43	
46	1,699.0-1,729.0 (517.9-527.0)	30.0 (9.1)	28.9 (8.8)	1.1 (0.3)	2 (0.6)	3	12	
47	1,729.0-1,759.0 (527.0-536.1)	30.0 (9.1)	30.0 (9.1)	0	2.3 (0.7)	4	11	
48	1,759.0-1,789.0 (536.1-545.3)	30.0 (9.1)	29.2 (8.9)	.8 (0.2)	1 (0.3)	0	6	
49	1,789.0-1,819.4 (545.3-554.6)	30.4 (9.3)	29.9 (9.1)	.5 (0.2)	1.1 (0.3)	1	6	
50	1,819.4-1,850.0 (554.6-563.9)	30.6 (9.3)	29.5 (9.0)	1.1 (0.3)	1.8 (0.5)	0	9	
51	1,850.0-1,880.0 (563.9-573.0)	30.0 (9.1)	24 (7.3)	6 (1.8)	.5 (0.2)	0	21	
52	1,879.0-1,907.4 (572.7-581.4)	28.4 (8.7)	28.4 (8.7)	0	.8 (0.2)	1	3	Depth correction 1 foot (0.3 m)
53	1,907.4-1,937.4 (581.4-590.5)	30.0 (9.1)	29.8 (9.1)	.2 (0.1)	1.2 (0.4)	1	5	
54	1,937.4-1,967.4 (590.5-599.7)	30.0 (9.1)	30.0 (9.1)	0	2.3 (0.7)	1	8	
55	1,967.4-1,997.4 (599.7-608.8)	30.0 (9.1)	30.0 (9.1)	0	3.1 (0.9)	4	13	
56	1,997.4-2,027.1 (608.8-617.9)	29.7 (9.1)	28.5 (8.7)	1.2 (0.4)	.7 (0.2)	0	6	
57	2,027.1-2,057.4 (617.9-627.1)	30.3 (9.2)	30.3 (9.2)	0	.4 (0.1)	0	1	
58	2,057.4-2,087.0 (627.1-636.1)	29.6 (9.0)	28.4 (8.7)	1.2 (0.4)	0	0	4	
59	2,087.0-2,117.0 (636.1-645.3)	30.0 (9.1)	29.3 (8.9)	.7 (0.2)	1.5 (0.5)	2	9	
60	2,117.0-2,147.5 (645.3-654.6)	30.5 (9.3)	29.5 (9.0)	1.0 (0.3)	2.5 (0.8)	0	11	
61	2,147.5-2,177.5 (654.6-663.7)	30.0 (9.1)	28 (8.5)	2 (0.6)	.2 (0.1)	0	7	
62	2,177.5-2,207.7 (663.7-672.9)	30.2 (9.2)	30.2 (9.2)	0	0	0	0	
63	2,207.7-2,227.5 (672.9-678.9)	19.8 (6.0)	19.8 (6.0)	0	.6 (0.2)	0	1	
64	2,227.5-2,258.0 (678.9-688.2)	30.5 (9.3)	26.8 (8.2)	3.7 (1.1)	.2 (0.1)	0	12	
65	2,258.0-2,286.0 (688.2-696.8)	28.0 (8.5)	23 (7.0)	5 (1.5)	2.8 (0.9)	0	28	
66	2,286.0-2,298.0 (696.8-700.4)	12.0 (3.7)	12 (3.7)	0	5 (1.5)	4	50	
67	2,298.0-2,327.0 (700.4-709.3)	29.0 (8.8)	29 (8.8)	0	9 (2.7)	0	31	Shattered interval
68	2,327.0-2,357.5 (709.3-718.6)	30.5 (9.3)	30.5 (9.3)	0	8 (2.4)	2	27	Discing and shattered
69	2,357.5-2,382.5 TD (718.6-726.2)	25.0 (7.62)	24.5 (7.5)	.5 (0.2)	8.5 (2.6)	0	36	Discing and shattered

¹ Broken core is any length of core <0.3 foot long.² CI = $\frac{(\text{feet broken}) + (\text{feet core loss}) + (1/4 \text{ joints})}{\text{Drilled interval}} \times 100$.