

Table 4.--Core data and core index for drill hole USBM-02A, Horse 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	197.5-204.5 (60.2-62.3)	7.0 (2.1)	6.9 (2.1)	0.1 (0.0)	2.6 (0.8)	2	46	
2	204.5-212.5 (62.3-64.8)	8.0 (2.4)	6.8 (2.1)	1.2 (0.4)	.9 (0.3)	4	39	
---	212.5-217.5 (64.8-66.3)	---	---	---	---	---	---	Rock bit--no core
3	217.5-240.3 (66.3-73.2)	22.8 (6.9)	18.6 (5.7)	4.2 (1.3)	1.8 (0.5)	2	28	
4	240.3-262.6 (73.2-80.0)	22.3 (6.8)	11.0 (3.4)	11.3 (3.4)	4.0 (1.2)	4	68	
5	262.6-272.7 (80.0-83.1)	10.1 (3.1)	8.0 (2.4)	2.1 (0.6)	7.6 (2.3)	0	96	
6	272.7-288.0 (83.1-87.8)	15.3 (4.7)	10.3 (3.1)	5.0 (1.5)	4.6 (1.4)	4	69	
7	288.0-307.0 (87.8-93.6)	19.0 (5.8)	16.3 (5.0)	2.7 (0.8)	2.8 (0.9)	1	30	Breaks along bedding planes
8	307.0-320.7 (93.6-97.7)	13.7 (4.2)	9.5 (2.9)	4.2 (1.3)	3.4 (1.0)	2	57	Pyrite on one open fracture
9	320.7-329.8 (97.7-100.5)	9.1 (2.8)	9.1 (2.8)	0	2.8 (0.9)	8	52	
10	329.8-350.9 (100.5-107.0)	21.1 (6.4)	18.1 (5.5)	3.0 (0.9)	3.2 (1.0)	2	30	
11	350.9-364.3 (107.0-111.0)	13.4 (4.1)	12.1 (3.7)	1.3 (0.4)	4.1 (1.2)	2	42	
12	364.3-377.2 (111.0-115.0)	12.9 (3.9)	6.9 (2.1)	6.0 (1.8)	3.6 (1.1)	2	76	
13	377.2-386.2 (115.0-117.7)	9.0 (2.7)	6.0 (1.8)	3.0 (0.9)	4.8 (1.5)	5	100	
14	386.2-396.5 (117.7-120.9)	10.3 (3.1)	10.3 (3.1)	0	1.4 (0.4)	12	42	
15	396.5-413.6 (120.9-126.1)	17.1 (5.2)	12.0 (3.7)	5.1 (1.6)	4.7 (1.4)	7	67	
16	413.6-444.4 (126.1-135.5)	30.8 (9.4)	27.3 (8.3)	3.5 (1.1)	5.3 (1.6)	3	31	
17	444.4-451.8 (135.5-137.7)	7.4 (2.3)	6.5 (2.0)	.9 (0.3)	2.8 (0.9)	2	57	
18	451.8-469.5 (137.7-143.1)	17.7 (5.4)	11.2 (3.4)	6.5 (2.0)	.7 (0.2)	6	49	
19	469.5-481.2 (143.1-146.7)	11.7 (3.6)	8.9 (2.7)	2.8 (0.9)	1.7 (0.5)	1	40	0.9 ft (0.3 m) broken vertically
20	481.2-493.7 (146.7-150.5)	12.5 (3.8)	6.0 (1.8)	6.5 (2.0)	2.8 (0.9)	1	76	
21	493.7-505.5 (150.5-154.1)	11.8 (3.6)	9.7 (3.0)	2.1 (0.6)	1.5 (0.5)	7	45	
22	505.5-515.8 (154.1-157.2)	10.3 (3.1)	6.7 (2.0)	3.6 (1.1)	3.1 (0.9)	5	77	
23	515.8-534.0 (157.2-162.8)	18.2 (5.5)	15.0 (4.6)	3.2 (1.0)	3.0 (0.9)	6	42	
24	534.0-553.6 (162.8-168.7)	19.6 (6.0)	11.2 (3.4)	8.4 (2.6)	4.7 (1.4)	1	68	
25	553.6-568.5 (168.7-173.3)	14.9 (4.5)	9.7 (3.0)	5.2 (1.6)	2.2 (0.7)	2	53	
26	568.5-578.2 (173.3-176.2)	9.7 (3.0)	6.0 (1.8)	3.7 (1.1)	2.4 (0.7)	3	70	
27	578.2-588.6 (176.2-179.4)	10.4 (3.2)	5.8 (1.8)	4.6 (1.4)	5.3 (1.6)	2	100	
28	588.6-612.8 (179.4-186.8)	24.2 (7.4)	12.1 (3.7)	12.1 (3.7)	9.4 (2.9)	4	100	Discing and shattered
29	614.0-639.8 (187.1-195.0)	25.8 (7.9)	13.2 (4.0)	12.6 (3.8)	5.2 (1.6)	15	85	Corrected pipe tally. Cored only 25.8 ft (7.9 m)
30	639.8-657.3 (195.0-200.3)	17.5 (5.3)	17.5 (5.3)	0	5.1 (1.6)	2	32	
31	657.3-682.2 (200.3-207.9)	24.9 (7.6)	19.4 (5.9)	5.5 (1.7)	4.5 (1.4)	7	47	
32	682.2-712.2 (207.9-217.1)	30.0 (9.1)	25.3 (7.7)	4.7 (1.4)	8.5 (2.6)	3	46	
33	712.2-733.1 (217.1-223.4)	20.9 (6.4)	20.9 (6.4)	0	7.1 (2.2)	8	43	
34	733.1-750.7 (223.4-228.8)	17.6 (5.4)	9.6 (2.9)	8.0 (2.4)	4.4 (1.3)	6	78	
35	750.7-772.1 (228.8-235.3)	21.4 (6.5)	8.3 (2.5)	13.1 (4.0)	6.3 (1.9)	2	96	
36	772.1-786.0 (235.4-239.6)	13.9 (4.2)	8.9 (2.7)	5.0 (1.5)	5.3 (1.6)	1	75	
37	786.0-796.0 (239.6-242.6)	10.0 (3.0)	6.7 (2.0)	3.3 (1.0)	4.1 (1.2)	2	79	
38	796.0-809.0 (242.6-246.6)	13.0 (4.0)	7.0 (2.1)	6.0 (1.8)	4.0 (1.2)	0	77	
39	809.0-831.8 (246.6-253.5)	22.8 (6.9)	21.4 (6.5)	1.4 (0.4)	6.2 (1.9)	6	40	
40	831.8-852.8 (253.5-259.9)	21.0 (6.4)	17.9 (5.5)	3.1 (0.9)	3.8 (1.2)	6	40	
41	852.8-870.6 (259.9-265.4)	17.8 (5.4)	13.4 (4.1)	4.4 (1.3)	5.9 (1.8)	6	66	
42	870.6-882.8 (265.4-269.1)	12.2 (3.7)	7.9 (2.4)	4.3 (1.3)	4.8 (1.5)	1	77	
43	882.8-892.1 (269.1-271.9)	9.3 (2.8)	4.8 (1.5)	4.5 (1.4)	4.8 (1.5)	0	100	
44	892.1-921.3 (271.9-280.8)	29.2 (8.9)	24.9 (7.6)	4.3 (1.3)	5.6 (1.7)	1	35	
45	921.3-951.3 (280.8-290.0)	30.0 (9.1)	26.9 (8.2)	3.1 (0.9)	3.5 (1.1)	1	23	
46	951.3-975.5 (290.0-297.3)	24.2 (7.4)	19.9 (6.1)	4.3 (1.3)	3.5 (1.1)	6	38	
---	975.5-983.0 (297.3-299.6)	---	---	---	---	---	---	Rock bit--no core
47	983.0-997.3 (299.6-304.0)	14.3 (4.4)	10.3 (3.1)	4.0 (1.2)	2.1 (0.6)	10	60	
48	997.3-1,017.0 (304.0-310.0)	19.7 (6.0)	18.5 (5.6)	1.2 (0.4)	7.2 (2.2)	2	45	
49	1,017.0-1,043.0 (310.0-317.9)	26.0 (7.9)	16.0 (4.9)	10.0 (3.0)	7.7 (2.3)	7	75	
50	1,046.8-1,076.4 (319.1-328.1)	29.6 (9.0)	18.2 (5.5)	11.4 (3.5)	5.6 (1.7)	6	63	Correct pipe tally to 1,046.8 ft (319.1 m)
51	1,076.4-1,100.0 (328.1-335.3)	23.6 (7.2)	21.2 (6.5)	2.4 (0.7)	8.8 (2.7)	6	58	Brittle
52	1,100.0-1,127.6 (335.3-343.7)	27.6 (8.4)	16.0 (4.9)	11.6 (3.5)	5.5 (1.7)	4	66	
53	1,127.6-1,142.8 (343.7-348.3)	15.2 (4.6)	9.9 (3.0)	5.3 (1.6)	3.6 (1.1)	5	67	
54	1,142.8-1,167.1 (348.3-355.7)	24.3 (7.4)	19.4 (5.9)	4.9 (1.5)	4.5 (1.4)	6	45	
55	1,167.1-1,194.5 (355.7-364.1)	27.4 (8.4)	20.2 (6.2)	7.2 (2.2)	6.3 (1.9)	9	57	
56	1,194.5-1,209.5 (364.1-368.7)	15.0 (4.6)	7.3 (2.2)	7.7 (2.3)	5.6 (1.7)	6	99	
57	1,209.5-1,230.6 (368.7-375.1)	21.1 (6.4)	10.5 (3.2)	10.6 (3.2)	6.3 (1.9)	2	82	Slickensides at 1,210.5 ft (369.0 m)
58	1,230.6-1,259.0 (375.1-383.7)	28.4 (8.7)	21.7 (6.6)	6.7 (2.0)	9.4 (2.9)	12	67	
59	1,259.0-1,281.3 (383.7-390.5)	22.3 (6.8)	12.0 (3.7)	10.3 (3.1)	7.6 (2.3)	7	88	
60	1,281.3-1,293.4 (390.5-394.2)	12.1 (3.7)	8.8 (2.7)	3.3 (1.0)	4.1 (1.2)	3	67	
61	1,293.4-1,307.8 (394.2-398.6)	14.4 (4.4)	12.8 (3.9)	1.6 (0.5)	8.5 (2.6)	3	75	
62	1,307.8-1,325.1 (398.6-403.9)	17.3 (5.3)	11.2 (3.4)	6.1 (1.9)	9.5 (2.9)	2	93	
63	1,325.1-1,338.1 (403.9-407.9)	13.0 (4.0)	11.8 (3.6)	1.2 (0.4)	7.8 (2.4)	7	83	Very friable
64	1,338.1-1,353.0 (407.9-412.4)	14.9 (4.5)	4.6 (1.4)	10.3 (3.1)	4.0 (1.2)	0	96	Entire interval fractured
65	1,353.0-1,376.4 (412.4-419.5)	23.4 (7.1)	5.7 (1.7)	17.7 (5.4)	4.7 (1.4)	2	98	Collapsed breccia
66	1,376.4-1,391.0 (419.5-424.0)	14.6 (4.5)	10.4 (3.2)	4.2 (1.3)	2.1 (0.6)	12	64	
67	1,391.0-1,421.5 (424.0-433.3)	30.5 (9.3)	30.5 (9.3)	0	2.3 (0.7)	10	16	
68	1,421.5-1,451.0 (433.3-442.3)	29.5 (9.0)	29.5 (9.0)	0	1.4 (0.4)	2	6	
---	1,451.0-1,458.0 (442.3-444.4)	---	---	---	---	---	---	Rock bit--no core
69	1,458.0-1,517.0 (444.4-462.4)	59.0 (18.0)	59.0 (18.0)	0	2.5 (0.8)	10	8	
70	1,517.0-1,577.0 (462.4-480.7)	60.0 (18.3)	59.9 (18.3)	.1 (0.0)	.9 (0.3)	1	2	
71	1,577.0-1,636.0 (480.7-498.7)	59.0 (18.0)	59.0 (18.0)	0	5.2 (1.6)	3	10	
72	1,636.0-1,694.0 (498.7-516.3)	58.0 (17.7)	52.1 (15.9)	5.9 (1.8)	3.5 (1.1)	3	18	
73	1,694.0-1,753.0 (516.3-534.3)	59.0 (18.0)	59.0 (18.0)	0	1.2 (0.4)	2	3	
74	1,753.0-1,812.0 (534.3-552.3)	59.0 (18.0)	59.0 (18.0)	0	1.0 (0.3)	0	2	
75	1,812.0-1,871.0 (552.3-570.3)	59.0 (18.0)	58.5 (17.8)	.5 (0.2)	6.5 (2.0)	0	12	
76	1,871.0-1,928.9 (570.3-587.9)	57.9 (17.6)	57.9 (17.6)	0	2.5 (0.8)	1	5	
77	1,928.9-1,988.8 (587.9-606.2)	59.9 (18.3)	59.9 (18.3)	0	3.9 (1.2)	1	7	
78	1,988.8-2,018.2 (606.2-615.1)	29.4 (9.0)	20.8 (6.3)	8.6 (2.6)	1.6 (0.5)	2	36	
79	2,018.2-2,077.5 (615.1-633.2)	59.3 (18.1)	59.3 (18.1)	0	.7 (0.2)	1	2	
80	2,077.5-2,137.1 (633.2-651.4)	59.6 (18.2)	59.4 (18.1)	.2 (0.1)	0	0	0	
81	2,137.1-2,198.1 (651.4-670.0)	61.0 (18.6)	60.0 (18.3)	1.0 (0.3)	3.0 (0.9)	4	8	
82	2,198.1-2,256.6 (670.0-687.8)	58.5 (17.9)	58.5 (17.8)	0	2.1 (0.6)	3	5	Recovered 1.4 ft (0.4 m) from core No. 81
83	2,256.6-2,316.6 (687.8-706.1)	60.0 (18.3)	55.8 (17.0)	4.2 (1.3)	7.1 (2.2)	0	19	
84	2,316.6-2,369.5 (706.1-722.2)	52.9 (16.1)	52.9 (16.1)	0	16.0 (4.9)	2	27	Recovered 7.2 ft (2.2 m) from core No. 83
85	2,369.5-2,401.8 (722.2-732.1)	32.3 (9.8)	30.8 (9.4)	1.5 (0.5)	9.9 (3.0)	2	37	
86	2,401.8-2,453.1 (732.1-747.7)	51.3 (15.6)	45.3 (13.8)	6.0 (1.8)	16.4 (5.0)	3	45	
87	2,453.1-2,503.4 (747.7-763.0)	50.3 (15.3)	46.2 (14.1)	4.1 (1.2)	18.9 (5.8)	9	50	
88	2,503.4-2,561.1 (763.0-780.6)	57.7 (17.6)	52.0 (15.8)	5.7 (1.7)	41.2 (12.6)	14	87	
89	2,561.1-2,619.9 (780.6-798.5)	58.8 (17.9)	45.3 (13.8)	13.5 (4.1)	24.9 (7.6)	6	68	
90	2,619.9-2,660.0 TD (798.5-810.8)	40.1 (12.2)	40.1 (12.2)	0	5.1 (1.6)	0	13	

¹ Broken core is any length of core <0.3 foot long.

² CI = (feet broken)+(feet core loss)+(1/4 joints) x 100
Drilled interval