

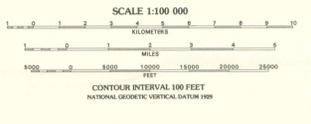
Base from U.S. Geological Survey, 1975

Maps compiled in 1978; data current as of Dec. 31, 1977

INDEX TO 1:24,000-SCALE MAPS

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1	Lavy Draw-1971	17	Lavy Draw-1971
2	Cook Draw-1971	18	Spencer Hope-1971
3	Homestead Draw-1971	19	Reade-1971
4	Homestead Draw-1971	20	Paul Draw-1971
5	Reade-1971	21	Clear Creek-1972
6	Popple Butte-1972	22	Wagon-1972
7	Reade-1971	23	Clear Creek-1972
8	Reade-1971	24	Clear Creek-1972
9	Reade-1971	25	Clear Creek-1972
10	Reade-1971	26	Reade-1971
11	Homestead Draw-1971	27	Wagon-1972
12	Wagon-1972	28	Wagon-1972
13	Wagon-1972	29	Wagon-1972
14	Wagon-1972	30	Wagon-1972
15	Wagon-1972	31	Wagon-1972
16	Wagon-1972	32	Wagon-1972



CONTOUR VALUES
CONVERSION TABLE

Feet	Meters
4000	1463
3800	1372
3600	1281
3400	1190
3200	1100
3000	1010
2800	919
2600	828
2400	737
2200	646
2000	555
1800	464
1600	373
1400	282
1200	191
1000	100



STRUCTURE CONTOUR MAP ON BASE OF CANYON COAL BED

STRUCTURE CONTOUR MAP ON TOP OF CANYON COAL BED

STRUCTURE CONTOUR MAPS

The Canyon and closely associated coal beds, as identified on the accompanying maps, are in the upper part of the Triassic-Jurassic Formation of Paleocene age. They crop out on the east flank of the Powder River Basin in Montana and Wyoming, along the northern and eastern margins of the area shown on these maps. The coal dips generally westward or southwestward toward the basin axis, which has a general trend of north-south. The thickness of the coal beds varies from 10 to 20 feet. The Canyon coal bed is the most important coal bed in the area. It is a low-angle, westward-dipping bed that is 10 to 20 feet thick. The Canyon coal bed is the most important coal bed in the area. It is a low-angle, westward-dipping bed that is 10 to 20 feet thick. The Canyon coal bed is the most important coal bed in the area. It is a low-angle, westward-dipping bed that is 10 to 20 feet thick.

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EXPLANATION

STRUCTURE CONTOURS—Showing elevation, in feet, of the top or the base of the Canyon coal bed and locally associated coal beds. Contour interval 50 feet (1:5).

BOUNDARY OF SUBAREA—Showing outline of subarea in which the Canyon coal bed is split (shaded), or is combined with overlying and/or underlying coal beds. (Crosses.) Letter identifies subarea.

FAULT—Dashed where approximately located, D, downthrown side; U, upthrown side.

DRILL HOLE—Hole having log used for determining elevation of top and base of the Canyon coal bed and locally associated beds.

FIGURE 1.—Diagrammatic sketch showing relationships of Canyon coal bed and rock intervals (R) and the sequence of coal beds that have been combined and mapped as the Canyon coal bed.

Area in which the Canyon coal bed is mapped by itself	Area in which the Canyon coal bed is combined with other coal beds
Subarea A	Subarea B
Subarea C	Subarea D
Subarea E	Subarea F
Subarea G	Subarea H
Subarea I	Subarea J
Subarea K	Subarea L
Subarea M	Subarea N
Subarea O	Subarea P
Subarea Q	Subarea R
Subarea S	Subarea T
Subarea U	Subarea V
Subarea W	Subarea X
Subarea Y	Subarea Z

Table 1.—Elevation of base of Canyon coal bed and top and base of Cook coal bed at point-localities, within subareas B and F.

Locality	Elevation of base of Canyon coal bed, EBC	Elevation of top of Cook coal bed, ETC	Elevation of base of Cook coal bed, EBC
B1	3713	3701	3688
B2	3687	3675	3663
B3	3675	3663	3651
B4	3663	3651	3639
B5	3651	3639	3627
B6	3639	3627	3615
B7	3627	3615	3603
B8	3615	3603	3591
B9	3603	3591	3579
B10	3591	3579	3567
B11	3579	3567	3555
B12	3567	3555	3543
B13	3555	3543	3531
B14	3543	3531	3519
B15	3531	3519	3507
B16	3519	3507	3495
B17	3507	3495	3483
B18	3495	3483	3471
B19	3483	3471	3459
B20	3471	3459	3447
B21	3459	3447	3435
B22	3447	3435	3423
B23	3435	3423	3411
B24	3423	3411	3399
B25	3411	3399	3387
B26	3399	3387	3375
B27	3387	3375	3363
B28	3375	3363	3351
B29	3363	3351	3339
B30	3351	3339	3327
B31	3339	3327	3315
B32	3327	3315	3303
B33	3315	3303	3291
B34	3303	3291	3279
B35	3291	3279	3267
B36	3279	3267	3255
B37	3267	3255	3243
B38	3255	3243	3231
B39	3243	3231	3219
B40	3231	3219	3207
B41	3219	3207	3195
B42	3207	3195	3183
B43	3195	3183	3171
B44	3183	3171	3159
B45	3171	3159	3147
B46	3159	3147	3135
B47	3147	3135	3123
B48	3135	3123	3111
B49	3123	3111	3099
B50	3111	3099	3087
B51	3099	3087	3075
B52	3087	3075	3063
B53	3075	3063	3051
B54	3063	3051	3039
B55	3051	3039	3027
B56	3039	3027	3015
B57	3027	3015	3003
B58	3015	3003	2991
B59	3003	2991	2979
B60	2991	2979	2967
B61	2979	2967	2955
B62	2967	2955	2943
B63	2955	2943	2931
B64	2943	2931	2919
B65	2931	2919	2907
B66	2919	2907	2895
B67	2907	2895	2883
B68	2895	2883	2871
B69	2883	2871	2859
B70	2871	2859	2847
B71	2859	2847	2835
B72	2847	2835	2823
B73	2835	2823	2811
B74	2823	2811	2799
B75	2811	2799	2787
B76	2799	2787	2775
B77	2787	2775	2763
B78	2775	2763	2751
B79	2763	2751	2739
B80	2751	2739	2727
B81	2739	2727	2715
B82	2727	2715	2703
B83	2715	2703	2691
B84	2703	2691	2679
B85	2691	2679	2667
B86	2679	2667	2655
B87	2667	2655	2643
B88	2655	2643	2631
B89	2643	2631	2619
B90	2631	2619	2607
B91	2619	2607	2595
B92	2607	2595	2583
B93	2595	2583	2571
B94	2583	2571	2559
B95	2571	2559	2547
B96	2559	2547	2535
B97	2547	2535	2523
B98	2535	2523	2511
B99	2523	2511	2499
B100	2511	2499	2487

Table 2.—Sources of data in Table 1.

Locality	Well Name	Location
B1	Male Ck. Oil, 1-4416 Govt. Meyer	SESE 21.55 N., 73 W.
B2	Davis Oil, 2-Partridge Fed.	NWSE 21.55 N., 73 W.
B3	Shawco Oil, 43-21 Govt.	NWSE 21.55 N., 73 W.
B4	Amoco Corp., 2-147 Govt.	SWSE 21.55 N., 73 W.
B5	Amoco Corp., 2-88 Fed.	NWSE 21.55 N., 73 W.
B6	Davis Oil, 1-Partridge Fed.	SWSE 21.55 N., 73 W.
B7	Davis Oil, 2-Partridge Fed.	NWSE 21.55 N., 73 W.
B8	Eastern-Louis. Fed., 1-Cannon Fed.	SWSE 21.55 N., 73 W.
B9	Montana Bur. Mines & Geol., US 7540	SWNW 1.53 N., 73 W.
B10	Montana Bur. Mines & Geol., US 7724	NWSE 2.13 N., 73 W.
B11	Montana Bur. Mines & Geol., US 7430	NWSE 10.13 N., 73 W.

STRUCTURE CONTOUR MAPS OF THE CANYON AND ASSOCIATED COAL BEDS, WESTERN HALF OF THE RECLUSE 1° X 1/2° QUADRANGLE, CAMPBELL COUNTY, WYOMING

By
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