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SAN JUAN RIVER REGION, COLORADO

by
Peter Rushworth

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- Adler, F. J., 1960, The Paradox Basin of Colorado, in Mineral resources of Colorado, first sequence: Colorado Mineral Resources Board, Denver, chap. 17.
- Amuedo and Ivey, 1975, Coal resources and preliminary geologic hazards study, Archuleta County, Colorado: prepared for the Upper San Juan Regional Planning Commission, Pagosa Springs, Colorado, November 28, var. paged text, 6 figs., 3 tables, 7 maps (coal resources on private land in Archuleta County), plotted on 7.5-minute quadrangle sheets; copy of rept. and maps are on open-file at Colorado Geol. Survey, Denver.
- Atwood, W. W., 1911, A geographic study of the Mesaverde: Assoc. Am. Geog. Annals, v. 1, p. 95-100.
- Atwood, W. W., and Mather, K. F., 1932, Physiography and Quaternary geology of the San Juan Mountains, Colorado: U.S. Geol. Survey Prof. Paper 166, 176 p.
- Averitt, Paul, 1965, The future of coal production in the Rocky Mountain region: Econ. Geology, v. 60, no. 2, p. 351-359.
- Baltz, E. H., Jr., 1953, Stratigraphic relationships of Cretaceous and early Tertiary rocks of a part of northwestern San Juan Basin: U.S. Geol. Survey open-file rept.
- _____, 1953, Uranium in carbonaceous rocks - southwestern Colorado and New Mexico, in Geologic investigations of radioactive deposits, semiannual progress report, June 1 to November 30, 1953: U.S. Geol. Survey Trace Element Inv. Rept. TEI-390 p. 119-121.
- _____, 1954, Uranium in carbonaceous rocks - southwestern Colorado and northwestern New Mexico, in Geologic investigations of radioactive deposits, semiannual progress report - December 1, 1953 to May 31, 1954: U.S. Geol. Survey Trace Element Inv. Rept. TEI-440, p. 101-102.
- Barnes, F. C., 1948, San Juan Basin: Colorado and New Mexico: Oil and Gas Jour., v. 47, no. 4, p. 73-77.
- _____, 1949a, Development in the San Juan Basin of Colorado and New Mexico: Oil and Gas Jour., v. 48, no. 7, p. 154-162.
- _____, 1949b, Structures of the San Juan Basin: Oil and Gas Jour., v. 47, no. 8, p. 97-100.
- _____, 1950, History of development and production of oil and gas in the San Juan Basin, in Guidebook to the San Juan Basin, New Mexico and Colorado: New Mexico Geol. Soc., 1st Field Conf., p. 144-148.
- Barnes, F. C., and Hemenway, G., 1950, Generalized geologic column of the San Juan Basin, in Guidebook of the San Juan Basin, New Mexico and Colorado: New Mexico Geol. Soc., 1st Field Conf., p. 97.
- Barnes, Harley, 1953, Geology of the Ignacio area, Ignacio and Pagosa Springs Quadrangles, La Plata and Archuleta Counties, Colorado: U.S. Geol. Survey Oil and Gas Inv. Map OM-138, 1:63,360.

- 1954, Stratigraphy and structure of the Cretaceous rocks on the north flank of the San Juan Basin, Colorado and New Mexico: Ph.D. thesis, Johns Hopkins Univ., Baltimore, MD.
- Barnes, Harley, Baltz, E. H., Jr., and Hayes, P. T., 1954, Geology and fuel resources of the Red Mesa area, La Plata and Montezuma Counties, Colorado: U.S. Geol. Survey Oil and Gas Inv. Map 149, tables, sect., 1:62,500.
- Bartram, J. C., 1937, Upper Cretaceous of Rocky Mountain area: Am. Assoc. Petroleum Geologists Bull., v. 21, no. 7, p. 1131-1152, 17 figs.
- Beaumont, E. C., 1971, Stratigraphic distribution of coal in the San Juan Basin, in Strippable low-sulfur coal resources of the San Juan Basin in New Mexico and Colorado: New Mexico Bur. Mines Mineral Resource Mem. 25, p. 15-30, illus. (incl. sketch maps).
- Beaumont, E. C., Dane, C. D., and Sears, J. D., 1956, Revised nomenclature of Mesaverde Group in San Juan basin: Am. Assoc. Petroleum Geologists Bull., v. 40, p. 2149-2162.
- Beaumont, E. C., and Read, Charles B., 1950, Geologic history of the San Juan Basin area, New Mexico and Colorado, in Guidebook of the San Juan Basin, New Mexico and Colorado, 1st Field Conf.: New Mexico Geol. Soc., Socorro, New Mexico, p. 49-52.
- Berman, A. E., Pooleschook, D., Jr., and Dimelow, T. E., 1980, Jurassic and Cretaceous systems of Colorado: in Colorado geology (Kent, H. C., ed., and others), p. 111-128, charts, geol. sketch maps, Rocky Mtn. Assoc. Geologists, Denver, Colorado.
- Berry, F. A. F., 1959, Hydrodynamics and geochemistry of the Jurassic and Cretaceous systems in the San Juan Basin, northwestern New Mexico and southwestern Colorado: Stanford University, Palo Alto, California, Ph.D. dissertation, 466 p.
- Bieberman, R. A., 1951, Mineral resources of the San Juan Basin, in Guidebook to the San Juan Basin, New Mexico and Colorado: New Mexico Geol. Survey, 1st Field Conf., p. 141-146.
- Bierei, G. R., 1977, The environment and coal development in the San Juan Basin, in Guidebook to San Juan Basin III: New Mexico Geol. Soc., 28th Field Conf., p. 77-82, 8 figs.
- Boos, M. F. (Paul Weir Co.), 1951, Coal: General geology of coal deposits; and their descriptions of coal reserves in selected counties, in The synthetic liquid fuel potential of Colorado: Ford, Bacon and Davis, Inc. Corps of Engineers, Dept. of the Army, for U.S. Bur. Mines (also in Appendix, Exhibit No. 7 Coal Bibliography), p. 74-89, December 14, 1951.
- Boreck, D. L., and Murray, D. K., 1979, Colorado coal reserves depletion data and coal mine summaries: Colorado Geol. Survey open-file rept. 79-1, 65 p.
- Bowman, K. C., 1978a, Ignacio Blanco Dakota (gas): in Oil and Gas Fields of the Four Corners area (Fassett, J. E., ed., and others), p. 131-133, illus. (incl. sketch map), Four Corners Geol. Soc., Colorado.

- ___ 1978b, Ignacio Blanco Mesaverde (gas): Four Corners Geol. Soc., Colo., p. 137-139, illus. (incl. sketch map).
- Boyer, W. W., and Lee, W. T., 1925, Coal in the Dakota Formation in southwestern Colorado and eastern Utah: U.S. Geol. Survey, unpub. manuscript.
- Bromfield, C. S., 1967, Geology of the Mount Wilson quadrangle, western San Juan mountains, Colorado: U.S. Geol. Survey Bull. 1227, pl. 1, 1:24,000.
- Bromfield, C. S., and Conroy, A. R., 1963, Preliminary geologic map of the Mount Wilson quadrangle, San Miguel and Dolores Counties, Colorado: U.S. Geol. Survey Mineral Inv. Field Studies Map MF-273, 1:24,000.
- Burbank, W. S., and Luedke, R. G., 1966, Geologic map of the Telluride quadrangle, southwestern Colorado: U.S. Geol. Survey Geol. Quad. Map GQ-504.
- Burgener, John Albert, 1953, The stratigraphy and sedimentation of the Pictured Cliffs Sandstone and Fruitland Formation, Upper Cretaceous of the San Juan Basin, Colorado and New Mexico: M.S. Thesis, Univ. of Illinois, Urbana, IL.
- Burton, G. C., Jr., 1955, Sedimentation and stratigraphy of the Dakota Formation in the San Juan Basin, in Guidebook to geology of parts of Paradox, Black Mesa, and San Juan Basins: Four Corners Geol. Soc., 1st Field Conf., p. 78-88.
- Bush, A. L., and Bromfield, C. S., 1966, Geologic map of the Dolores Peak quadrangle, Dolores and San Miguel Counties, Colorado: U.S. Geol. Survey Geol. Quad. Map GQ-536, 1:24,000.
- Bush, A. L., Bromfield, C. S., and Pierson, C. T., 1956, Preliminary geologic map of the Placerville quadrangle, Colorado: U.S. Geol. Survey Mineral Inv. Field Studies Map MF-96.
- ___ 1961, Preliminary geologic map of the Gray Head quadrangle, San Miguel County, Colorado: U.S. Geol. Survey Mineral Inv. Field Studies Map MF-176, scale 1:24,000.
- Bush, A. L., Marsh, O. T., and Taylor, R. B., 1959, Preliminary geologic map of the Little Cone quadrangle, San Miguel County, Colorado: U.S. Geol. Survey Mineral Inv. Field Studies Map MF-223, 1:24,000.
- ___ 1960, Areal geology of the Little Cone quadrangle, Colorado: U.S. Geol. Survey Bull. 1082-G, 1:24,000.
- Callaghan, E., 1950, Guidebook of the San Juan Basin, New Mexico and Colorado: New Mexico Geol. Soc., p. 119-122.
- Carter, W. D., 1956, The Burro Canyon - Dakota contact on the Mt. Peale No. 1 Quadrangle: Intermountain Assoc. Petroleum Geologists, 7th Guidebook, p. 113-115.
- Carter, W. D., Gualtieri, J. L., and Shoemaker, E. M., 1958, Preliminary geologic map of the Mount Peale 1NE quadrangle, San Juan County, Utah and Montrose County, Colorado: U.S. Geol. Survey Mineral Inv. Field Studies Map MF-139, 1:24,000.

- Cashion, W. B., 1973, Geologic and structure map of the Grand Junction quadrangle, Colorado and Utah: U.S. Geol. Survey Misc. Geol. Inv. Map I-736, 1:250,000.
- Cater, F. W., Jr., 1954, Geology of the Bull Canyon quadrangle, Colorado: U.S. Geol. Quad. Map GQ-33.
- ____ 1955a, Geology of the Anderson Mesa quadrangle, Colorado: U.S. Geol. Survey Geol. Quad. Map GQ-77.
- ____ 1955b, Geology of the Davis Mesa quadrangle, Colorado: U.S. Geol. Survey Geol. Quad. Map GQ-71.
- ____ 1955c, Geology of the Hamm Canyon quadrangle, Colorado: U.S. Geol. Survey Geol. Quad. Map GQ-69.
- ____ 1955d, Geology of the Naturita NW quadrangle, Colorado: U.S. Geol. Survey Geol. Quad. Map GQ-65.
- ____ 1955e, Geology of the Horse Range Mesa quadrangle, Colorado: U.S. Geol. Survey Geol. Quad. Map GQ-64.
- ____ 1955f, Geology of the Calamity Mesa quadrangle, Colorado: U.S. Geol. Survey Geol. Quad. Map GQ-61.
- ____ 1955g, Geology of the Pine Mountain quadrangle, Colorado: U.S. Geol. Survey Geol. Quad. Map GQ-60.
- ____ 1955h, Geology of the Gypsum Gap quadrangle, Colorado: U.S. Geol. Survey Geol. Quad. Map GQ-59.
- ____ 1955i, Geology of the Gateway quadrangle, Colorado: U.S. Geol. Survey Geol. Quad. Map GQ-55.
- ____ 1955j, Geology of the Egnar quadrangle, Colorado: U.S. Geol. Survey Geol. Quad. Map GQ-68, 1:24,000.
- ____ 1955k, Preliminary geologic map of the Egnar quadrangle, Colorado: U.S. Geol. Survey Mineral Inv. Field Studies Map MF-26, 1:24,000.
- ____ 1955l, Geology of the Joe Davis Hill Quadrangle, Colorado: U.S. Geol. Survey Geol. Quad. Map GQ-66, 1:24,000.
- ____ 1955m, Preliminary geologic map of the Joe Davis Hill quadrangle, Colorado: U.S. Geol. Survey Mineral Inv. Field Studies Map MF-27, 1:24,000.
- Cater, F. W., Jr., and McKay, E. J., 1955, Geology of the Uravan quadrangle, Colorado: U.S. Geol. Survey Geol. Quad. Map GQ-78.
- Clayton, J. E., 1878, Coal fields of La Plata County, Colorado: Eng. and Mining Jour., v. 25, p. 441.
- Collier, A. J., 1919, Coal south of Mancos, Montezuma County, Colorado: U.S. Geol. Survey Bull. 691-K, p. 293-310, illus., tables, sects., geol. map.
- Colorado Division of Mines, [n.d.], Coal mine map file: restricted files.

- ___[n.d.], Coal mine history book: Colorado Div. of Mines, Denver.
- Colorado State Planning Agency, 1939, Index map of the Colorado coal fields: southwest: out-of-print.
- Craig, Lawrence C., 1981, Lower Cretaceous rocks, southwestern Colorado and southeastern Utah: in Geology of the Paradox Basin (Wiegand, Del L., ed.), Field Conf. - Rocky Mtn. Assoc. Geologists, v. 1981, p. 195-200, sketch maps, 16 ref.
- Craney, D. L., 1978, Ignacio Blanco Fruitland -- Pictured Cliffs (gas): in Oil and Gas fields of the Four Corners area (Fassett, J. E., ed., and others), p. 134-136, illus. (incl. sketch map), Four Corners Geol. Soc., Colorado.
- Cross, Whitman, and Hole, A. D., 1910, Description of the Engineer Mountain quadrangle, Colorado: U.S. Geol. Survey Geol. Atlas Folio 171, 1:62,500.
- Cross, Whitman, and Larsen, E. S., Jr., 1935, A brief review of the geology of the San Juan Mountains region of southwestern Colorado: U.S. Geol. Survey Bull. 843, 138 p., illus., sections, geol. map.
- Cross, Whitman, and Purington, C. W., 1899a, San Juan River region: U.S. Geol. Survey Geol. Atlas Folio 130.
- ___1899b, Description of the Telluride Quadrangle, Colorado: U.S. Geol. Survey Geol. Atlas Folio 57.
- Cross, Whitman, and Ransome, F. L., 1905, Description of the Rico quadrangle, Colorado: U.S. Geol. Survey Geol. Atlas Folio 130, map, 1:62,500; Rico special map, 1:23,600.
- Cross, Whitman, Howe, Ernest, and Irving, J. D., 1907, Description of the Ouray quadrangle, Colorado: U.S. Geol. Survey Geol. Atlas Folio 153, 1:62,500.
- Cross, Whitman, Spencer, A. C., and Purington, C. W., 1899, La Plata Folio, Colorado: U.S. Geol. Survey Geol. Atlas, Folio 60, 14 p., text, illus., sections, topo. map, 3 geol. maps.
- Cullins, H. L., and Bowers, W. E., 1964, East Cortez coal area, Montezuma County, Colorado: U.S. Geol. Survey open-file rept. 65-37, 21 p., 2 tables, scale 1:24,000.
- Dames & Moore, 1979a, Coal resource occurrence and coal development maps of the La Plata Quadrangle, San Juan County, New Mexico and La Plata County, Colorado: U.S. Geol. Survey open-file rept. 79-1110, 30 p., 17 maps.
- ___1979b, Coal resource occurrence and coal development maps of the Adobe Downs Ranch Quadrangle, San Juan County, New Mexico and La Plata County, Colorado: U.S. Geol. Survey open-file rept. 79-1111, 23 p., 24 maps.
- Dawson, L. C., and Murray, D. K., 1978, Colorado coal directory and source book: Colorado Geol. Survey Resource Ser. 3.
- Deurbrouck, A. W., 1972, Washability examinations of core samples of San Juan Basin coals, New Mexico and Colorado: U.S. Bur. Mines Rept. Inv. 7608, 26 p.

- Dickinson, R. G., 1965, Geologic map of the Cerro Summit quadrangle, Montrose County, Colorado: U.S. Geol. Survey Geol. Quad. Map GQ-486, 1:24,000.
- ____ 1966, Geology of the Cerro Summit quadrangle, Montrose County, Colorado: U.S. Geol. Survey open-file rept., 117 p.
- Dunn, D. E., 1964, Evolution of the Chama basin and Archuleta anticlinorium, eastern Archuleta County, Colorado: Texas Univ. unpub. Ph.D. dissert.
- Eckel, E. B., 1936, Resurvey of the geology and ore deposits of the La Plata mining district, Colorado: Colorado Sci. Soc. Proc., v. 13, no. 9, pl. 1, 1:48,000.
- ____ 1949, Geology and ore deposits of the La Plata district: U.S. Geol. Survey Prof. Paper 219.
- Ekren, E. B., and Houser, F. N., 1957, Preliminary geologic map of the Sentinel Peak NW quadrangle, Montezuma County, Colorado: U.S. Geol. Survey Mineral Inv. Field Studies Map MF-132, 1:24,000.
- ____ 1959a, Relations of lower Cretaceous and upper Jurassic rocks, Four Corners area, Colorado: Am. Assoc. Petroleum Geologists Bull., v. 43, no. 1, p. 190-201.
- ____ 1959b, Preliminary geologic map of the Moqui SE quadrangle, Montezuma County, Colorado: U.S. Geol. Survey Mineral Inv. Field Studies Map MF-221, 1:24,000.
- ____ 1959c, Preliminary geologic map of the Cortez SW quadrangle, Montezuma County, Colorado: U.S. Geol. Survey Mineral Inv. Field Studies Map MF-217, 1:24,000.
- ____ 1965a, Geology and petrology of the Ute Mountains area, Colorado: U.S. Geol. Survey Prof. Paper 481, pl. 1, 1:48,000.
- ____ 1965b, San Juan River region, Montezuma County: U.S. Geol. Survey Prof. Paper 481, 74 p., maps.
- Eldridge, G. H., 1901, Asphalt and bituminous rock deposits of the United States: U.S. Geol. Survey 22nd Ann. Rept., pt. 1, pl. 40, 1:250,000.
- Evans, K. A., Uhleman, E. W., and Eby, P. A., 1978, Atlas of western surface-mined lands, coal, uranium and phosphate: U.S. Fish and Wildlife Service.
- Fassett, J. E., 1964a, Subsurface geology of the Upper Cretaceous Kirtland and Fruitland Formations of the San Juan Basin, New Mexico and Colorado: U.S. Geol. Survey open-file rept., 93 p., illus., tables, sections, maps.
- ____ 1964b, Subsurface geology of the Upper Cretaceous Kirtland and Fruitland Formations of the San Juan Basin, New Mexico and Colorado: Master's Thesis, Wayne.
- ____ 1977a, Geology of the Point Lookout, Cliff House and Pictured Cliffs Sandstones of the San Juan Basin, New Mexico and Colorado: New Mexico Geol. Soc. Ann. Field Conf. Guidebook, no. 28 (Guidebook of the San Juan Basin III, northwestern New Mexico), p. 193-197, illus. (including table, sketch map).

- ____ 1977b, Stratigraphy of the coals of the San Juan Basin (Colorado-New Mexico), in *Geology of Rocky Mountain Coal*, Proceedings of the 1976 Symposium, D. K. Murray, ed.: Colorado Geol. Survey Resource Series 1, p. 61-71.
- Fassett, J. E., and Hinds, J. S., 1971, Geology and fuel resources of the Fruitland formation and Kirtland shale of the San Juan Basin, New Mexico and Colorado: U.S. Geol. Survey Prof. Paper 676, 76 p.
- Fender, H. B., and Murray, D. K., 1978, Data accumulation on the methane potential of the coal beds of Colorado: Colorado Geol. Survey open-file rept. 78-2.
- Fender, H. B., Jones, D. C., and Murray, D. K., 1978, Bibliography and index of publications related to coal in Colorado, 1972-1977: Colorado Geol. Survey Bull. 41.
- Ferebee, D. M., 1955, Ignacio gas field, La Plata County, Colorado: Am. Assoc. of Petroleum Geologists, Rocky Mtn. Section, Geol. Recs., p. 173-184.
- Finley, E. A., 1951, Geology of the Dove Creek area, Dolores and Montezuma Counties, Colorado: U.S. Geol. Survey Oil and Gas Inv. Map OM-120.
- Flores, R. M., 1980, Comparison of depositional models of Tertiary and Upper Cretaceous coal-bearing rocks in some Western Interior basins of the United States: in *Proceedings of the Fourth Symposium on the geology of Rocky Mountain coal* (Carter, L. M., ed.), Colorado Geol. Survey.
- Four Corners Environmental Research Institute, 1978, Geologic inventory, portions of San Juan National Forest, Vallecito, North Animas, Shale Planning Units.
- Four Corners Geological Society, 1973, Cretaceous and Tertiary rocks of the Colorado Plateau: Four Corners Geol. Soc. Mem., 1973, (J. E. Fassett, ed.).
- Gardner, J. H., 1909, The coal field between Durango, Colorado, and Monero, New Mexico: U.S. Geol. Survey Bull. 341, p. 352-363.
- Goolsby, S. M., and Reade, N. B. S., 1978, Map of licensed coal mines in Colorado as of June 1, 1978: Colorado Geol. Survey Map Ser. 12.
- Goolsby, S. M., Reade, N. B. S., and Murray, D. K., 1979, Evaluation of coking coals in Colorado: Colorado Geol. Survey Resource Ser. 7, 72 p.
- Grosvenor, N. E., 1964, Coal mines of Colorado: Colorado School of Mines Library, Golden Colo., 50 maps, 1:63,360.
- Hackman, R. J., 1952a, Photogeologic map of the Verdure-16 quadrangle, Colorado-Utah: U.S. Geol. Survey Trace Elements Memo. Rept. TEM-392; open-file rept.
- ____ 1952b, Photogeologic map of the Verdure-9 quadrangle, Colorado-Utah: U.S. Geol. Survey Trace Elements Memo. Rept. TEM-385; open-file rept.
- ____ 1952c, Photogeologic map of the Verdure-8 quadrangle, Colorado-Utah: U.S. Geol. Survey Trace Elements Memo Rept. TEM-403; open-file rept.

- ___ 1952d, Photogeologic map of the Verdure-1 quadrangle, Colorado-Utah: U.S. Geol. Survey Trace Elements Memo. Rept. TEM-399; open-file rept.
- ___ 1955, Photogeologic map of the Aneth-8 quadrangle, San Juan County, Utah, and Montezuma County, Colorado: U.S. Geol. Survey Misc. Geol. Inv. Map I-97, 1:24,000.
- ___ 1956, Photogeologic map of the Mount Peale 8 quadrangle, San Juan County, Utah, and Montrose, County, Colorado: U.S. Geol. Survey Misc. Geol. Inv. Map I-174, 1:24,000.
- ___ 1958a, Photogeologic map of the Escalante Forks quadrangle, Colorado: U.S. Geol. Survey Misc. Geol. Inv. Map I-274.
- ___ 1958b, Photogeologic map of the Escalante Forks quadrangle, Mesa, Montrose, and Delta Counties, Colorado: U.S. Geol. Survey Geol. Misc. Geol. Inv. Map I-274, 1:62,500.
- ___ 1959a, Photogeologic map of the Coach Creek SE quadrangle, Utah and Colorado: U.S. Geol. Survey Misc. Geol. Inv. Map I-278.
- ___ 1959b, Photogeologic map of the Coach NE quadrangle, Utah and Colorado: U.S. Geol. Survey Misc. Geol. Inv. Map I-279.
- ___ 1959c, Photogeologic map of the Yellow Jacket quadrangle, Montezuma and Dolores Counties, Colorado: U.S. Geol. Survey Misc. Geol. Inv. Map I-281, 1:62,500.
- ___ 1965, Photogeologic map of the Aneth-1 quadrangle, San Juan County, Utah, and Montezuma County, Colorado: U.S. Geol. Survey Misc. Geol. Inv. Map I-90, scale 1:24,000.
- Hail, W. J., Jr., 1972, Reconnaissance geologic map of the Hotchkiss area, Delta and Montrose Counties, Colorado: U.S. Geol. Survey Misc. Geol. Inv. Map I-698.
- Hail, W. J., Jr., Barnes, Harley, and Zapp, A. D., 1971, Geologic reconnaissance map of the Rules Hill and Ludwig Mountain Quadrangles, La Plata County, Colorado (map): U.S. Geol. Survey open-file rept.
- Haines, D. V., 1978, Core-hole drilling and coal analysis report for nine holes drilled during 1977 in the Nucla coal field, Montrose County, Colorado: U.S. Geol. Survey open-file rept. 78-899, 37 p., illus.
- Hansen, W. R., 1968, Geologic map of the Black Ridge quadrangle, Delta and Montrose Counties, Colorado: U.S. Geol. Survey Geol. Quad. Map GQ-747.
- ___ 1971, Geologic map of the Black Canyon of the Gunnison River and vicinity, western Colorado: U.S. Geol. Survey Misc. Geol. Inv. Map I-584.
- Hart, Gerald T., [n.d.], Appraisal confederated Ute Indian lands in southwestern Colorado ceded to U.S. Government pursuant to an agreement dated Sept. 13, 1873 by Congress April 29, 1874.
- Hart, S. S., 1976, Geology of the Redlands area, Mesa County, Colorado: Colorado Geol. Survey Map Ser. 5, pl. 1, 1:24,000.

- Hartman, Frank, 1903, La Plata County, mining possibilities: Pacific Coast Miner, v. 7, p. 219-221.
- Haun, J. D., 1959, Lower Cretaceous stratigraphy of Colorado, in Symposium on Cretaceous rocks of Colorado and adjacent areas: Rocky Mtn. Assoc. Geologists, 11th Field Conf., p. 1-8.
- Haun, J. D., and Weimer, R. J., 1960, Cretaceous stratigraphy of Colorado, in Guide to the geology of Colorado: Geol. Soc. America, Rocky Mtn. Assoc. Geologists and Colorado Sci. Soc., p. 58-65.
- Hayes, P. T., and Read, C. B., 1957, Coal resources of the Durango area, Colorado and New Mexico, in San Juan Mountains, Colorado: Guidebook, 8th Ann. Field Conf., New Mexico Geol. Soc., p. 207-211, illus.
- Haynes, D. D., Vogel, J. D., and Wyant, D. G., 1972, Geology, structure, and uranium deposits of the Cortez quadrangle, Colorado and Utah: U.S. Geol. Survey Misc. Geol. Inv. Map I-629, scale 1:250,000.
- Haynes, P. T., and Read, C. B., 1957, San Juan River region, Durango field, La Plata County: New Mexico Geol. Soc. Guidebook, 8th Ann. Field Conf., p. 207-211, illus.
- Hinds, J. S., 1964, Btu values of Fruitland formation coal deposits in Colorado and New Mexico, as determined from rotary-drill cuttings: U.S. Geol. Survey Prof. Paper 501-D, p. D90-D94.
- Hollenshead, Charles T., and Pritchard, R. L., 1961, Geometry of producing Mesaverde Sandstones, San Juan basin, in Geometry of sandstone bodies - A symposium, 45th Ann. Mtg., Atlantic City, N.J., April 25-28, 1960, Tulsa, Okla.: Am. Assoc. Petroleum Geologists, p. 98-118, illus., tables.
- Holmes, W. H., 1877, Report on the San Juan District, Colorado: U.S. Geol. and Geog. Survey of the Territories, 9th Ann. Rept. for 1875, p. 237-276.
- Holt, R. D., 1972, Bibliography, coal resources in Colorado: Colorado Geol. Survey Bull. 34-A, 31 p.
- Houser, F. N., and Ekren, E. B., 1959, Preliminary geologic map of the Moqui-SW quadrangle, Montezuma County, Colorado: U.S. Geol. Survey Mineral Inv. Field Studies Map MF-216, 1:24,000.
- Hunger, B. E., 1979, Regional analysis of the Point Lookout Sandstone, Upper Cretaceous, San Juan Basin, New Mexico, Colorado: Texas Tech. Univ., Lubbock, Texas, Ph.D. Thesis.
- Intermountain Association of Petroleum Geologists (Peterson, J. A., ed.), 1956, Geology and economic deposits of east central Utah: Guidebook 7th ann. field conf., 1956, pl. 1, 1:200,000.
- Irwin, J. H., 1966, Geology and availability of groundwater on the Ute Mountain Indian Reservation, Colorado and New Mexico: U.S. Geol. Survey Water-Supply Paper 1576-G, 109 p., illus., tables, maps.
- Johnson, F. M., Latch, B. F., and Barge, E. M., 1976, Mineral resources and geologic hazards study, Montezuma and Dolores Counties, Colorado: prepared for Montelores Planning Group, Cortez, Colorado, March 1, 52 p., [performed under provisions of Colorado House Bill 1041 (1974)] (coal, p. 3-7); (report plus blue-line prints of 7.5-minute quadrangle sheets showing known extent of coal resources are on open-file at Colorado Geol. Survey, Denver).

- Jones, D. C., 1976, Coal mines and coal fields of Colorado: Colorado Geol. Survey Inf. Ser. no. 1, 1 sheet, site locations, 1:500,000.
- Kelly, V. C., 1950, Guidebook of the San Juan Basin, New Mexico and Colorado: New Mexico Geol. Soc., p. 124-130.
- Kelso, B. S., Goolsby, S. M., and Tremain, C. M., 1980, Deep coal bed methane potential of the San Juan River Coal Region, southwestern Colorado: Colorado Geol. Survey open-file rept. 80-2, 56 p.
- Kelso, B. S., Ladwig, L. R., and Sitowitz, Linda, 1981, Map of permitted coal mines in Colorado as of August 1, 1981: Colorado Geol. Survey Map Ser. 15, 1:1,000,000.
- Khalsa, N. S., and Ladwig, L. R. (eds), 1981, Colorado coal analyses 1976-1979: Colorado Geol. Survey Inf. Ser. 10, 364 p.
- Kilgore, L. W., 1955, Geology of the Durango area, La Plata County, Colorado, in Four Corners Geol. Soc. Guidebook of parts of the Paradox, Black Mesa and San Juan Basins, 1st Field Conf.: p. 118-124.
- Kintz, G. M., and Denny, E. H., 1933, Explosions in Colorado coal mines, 1883 - 1932: U.S. Bur. Mines Inf. Circ. 6753, 20 p.
- Knowlton, F. H., 1917, The flora of the Fruitland and Kirtland Formations: U.S. Geol. Survey Prof. Paper 98-S, p. 327-353.
- Koeing, G. A., 1881, San Juan River region, Ouray County: Am. Inst. Mining Eng. Trans., v. 9, p. 650-656.
- Kostura, J. R., 1975, Stratigraphic and paleocurrent analysis of the Dakota Sandstone, Four Corners area of the San Juan Basin, New Mexico, Colorado, Utah and Arizona: Master's Thesis, Western Kentucky Univ., Bowling Green, Kentucky.
- Kottowski, F. E., 1957, Mesozoic strata flanking the southwestern San Juan Mountains, Colorado and New Mexico, in Guidebook of southwestern San Juan Mountains, Colorado, 8th Field Conf.: Geol. Soc., Socorro, New Mexico, p. 138-153.
- Kottowski, F. E., and Beaumont, E. C., 1965, Sulfur in San Juan Basin coals, in Strippable low-sulfur coal resources of the San Juan Basin in New Mexico and Colorado: New Mexico Bur. Mines Mineral Resources Mem. 25, p. 166-167.
- _____, 1971, Sulfur in San Juan Basin coals, in Strippable low-sulfur coal resources of the San Juan Basin in New Mexico and Colorado: New Mexico Bur. Mines Mineral Resources Mem. 25, p. 166-167.
- Krey, Max, 1962, North flank Uncompahgre arch, Mesa and Garfield Counties, Colorado, in Exploration for oil and gas in northwestern Colorado: Denver, Colo., Rocky Mtn. Assoc. Geologists.
- Ladwig, L. R., 1981, Coking coals of western Colorado, in Western Slope Colorado; Western Colorado and eastern Utah (Epis, Rudy C., and others): Guidebook - New Mexico Geol. Soc. 32, p. 249-254.

- Lakes, Arthur, 1902, Geology along the Animas River, with descriptions of coal and metal mines along its course, including a sketch of Silver Lake Mine: Mines and Mineral, v. 22, p. 398-399, illus.
- 1905, The La Plata or southwestern Colorado coal field: Mining Reporter, v. 51, p. 212-213, illus.
- Lamb, G. M., 1973, The lower Mancos Shale in the northern San Juan Basin, in Cretaceous and Tertiary rocks of the Southern Colorado Plateau, A Memoir: Four Corners Geol. Soc., p. 72-77.
- Landis, E. R., 1959, Coal resources of Colorado: U.S. Geol. Survey Bull. 1072-C, 231 p.
- Landis, E. R., and Cone, G. C., 1971, Coal reserves of Colorado tabulated by bed: U.S. Geol. Survey open-file rept. 1526, 515 p., tables.
- Larsen, C. S., Jr., and Cross, Whitman, 1956, Geology and petrology of the San Juan region, southwestern Colorado: U.S. Geol. Survey Prof. Paper 258, 303 p.
- Lease, Robin C., 1971, Durango Fruitland area: in Strippable low-sulfur coal resources of the San Juan Basin in New Mexico and Colorado, New Mexico Bur. Mines Mineral Resource Mem. 25, p. 102.
- Lee, W. T., 1916, Relation of Cretaceous Formations of the Rocky Mountains in Colorado and New Mexico, in Shorter contributions to general geology, 1915: U.S. Geol. Survey Prof. Paper 95-C, p. 27-58.
- Lent, J., 1980, San Juan Basin Report - A study of Upper Cretaceous geology, coal, and coal bed methane resources of the San Juan Basin, in Colorado and New Mexico: Prepared by TRW Energy Systems, Planning Division for the U.S. Dept. of Energy under contract number DE-AC21-78MC08089.
- Lohman, S. W., 1963, Geologic map of the Grand Junction area, Colorado: U.S. Geol. Survey Misc. Geol. Inv. Map I-404, 1:31,680.
- 1965, Geology and artesian water supply of the Grand Junction area, Colorado: U.S. Geol. Survey Prof. Paper 451, pl. 1, 1:31,680.
- Longley, Warren, 1976, Coal resources Rafter J Open A Property, La Plata County, Colorado: private report.
- Luedke, R. G., 1972, Geologic map of the Wetterhorn Peak quadrangle, Colorado: U.S. Geol. Survey Geol. Quad. Map GQ-1011.
- Luedke, R. G., and Burbank, W. S., 1962, Geology of the Ouray quadrangle, Colorado: U.S. Geol. Survey Geol. Quad. Map GQ-152.
- Lyons, Thomas R., 1951, Sedimentary petrology of the Dakota Sandstone in the San Juan Basin of New Mexico and Colorado: Master's Thesis, New Mexico.
- Mallory, W. W., ed., 1972, Geologic atlas of the Rocky Mountain region, U.S.A.: Denver, Colorado, Rocky Mtn. Assoc. Geologists, 331 p.
- Marshall, C. H., 1959a, Photogeologic map of the Delta quadrangle, Montrose and Delta Counties, Colorado: U.S. Geol. Survey Misc. Geol. Inv. Map I-282, 1:62,500.

- ___ 1959b, Photogeologic map of the Norwood-1 quadrangle, Montrose and Ouray Counties, Colorado: U.S. Geol. Survey Misc. Geol. Inv. Map I-283, 1:62,500.
- McKay, E. J., 1955, Geology of the Atkinson Creek quadrangle, Colorado: U.S. Geol. Survey Geol. Quad. Map GQ-57.
- McKnight, E. T., 1974, Geology and ore deposits of the Rico district: U.S. Geol. Survey Prof. Paper 723.
- Miller, A. E., 1976, Geologic hazard and constraint maps for La Plata County, Colorado: La Plata County Regional Planner.
- Molenaar, C. M., 1977, Stratigraphy and depositional history of Upper Cretaceous rocks of the San Juan Basin area, New Mexico and Colorado, with a note on economic resources, in Guidebook to the San Juan Basin III: New Mexico Geol. Soc., 28th Field Conf., p. 159-166.
- ___ 1978, Stratigraphic nomenclature charts for San Juan and Paradox Basins: in Oil and gas fields of the Four Corners area (Fassett, J. E., ed., and others), p. 40-41, strat. columns, Four Corners Geol. Soc., Colorado.
- Murray, D. Keith, 1980, Coal in Colorado, in Colorado Geology: Rocky Mtn. Assoc. Geologists, Denver, Colo., p. 205-216.
- ___ 1981, Upper Cretaceous (Campanian) coal resources of western Colorado: in Western Slope, Colorado; Western Colorado and eastern Utah (Epis, Rudy C., and others), Guidebook - New Mexico Geol. Soc. No. 32, p. 233-240, illus. (incl. 2 tables, sects., sketch map).
- Newman, K., and McCord, J., 1980, Detailed site investigation - northern San Juan Basin: Prepared by TRW Energy Systems, Planning Division for the U.S. Dept. of Energy under contract number DE-AC21-78MC08089.
- Owen, D. E., 1963, The Dakota Formation of the San Juan Basin, New Mexico and Colorado: Ph.D. Thesis, Univ. Kansas.
- ___ 1964, Correlation of grain-size and distribution and mineralogy with depositional environments in the Dakota Formation of San Juan Basin, New Mexico and Colorado: Am. Assoc. Petroleum Geologists Bull., v. 48, no. 4, p. 540.
- ___ 1966, Nomenclature of Dakota Sandstone (Cretaceous) in San Juan Basin, New Mexico and Colorado: Am. Assoc. Petroleum Geologists Bull., v. 50, no. 5, p. 1023-1028, illus., tables.
- ___ 1969, The Dakota Sandstone of the eastern San Juan and Chama basins and its possible correlation across the southern Rocky Mountains: in Raton Basin field trip, Colorado and New Mexico, 1969, Guidebook, Mtn. Geologist, v. 6, no. 3, p. 87-92.
- Peterson, J. A., and others, 1965, Sedimentary history and economic geology of San Juan Basin: Am. Assoc. Petroleum Geologists Bull., v. 49, no. 11, p. 2076-2119, 24 figs.

- Pike, W. S., Jr., 1947, Intertonguing marine and non-marine Upper Cretaceous deposits of New Mexico, Arizona and southwestern Colorado: Geol. Soc. America Mem. 24, 103 p., 12 pl., 7 figs., diagram, correlation charts, fence diagram, 2 geol. maps, paleogeographic map, bibliography.
- Pratt, W. P., 1976, Preliminary geologic map of the Hermosa Peak Quadrangle, Dolores, San Juan, La Plata, and Montezuma Counties, Colorado: U.S. Geol. Survey open-file rept. 76-314, 1:20,000.
- Pratt, W. P., Irwin, J. H., and Henkes, W. C., 1976, Status of mineral resource information for the Ute Mountain Indian Reservation, Colorado and New Mexico: Bur. of Indian Affairs Admin. Rept. BIA-17, 56 p.
- Pratt, W. P., McKnight, E. T., and Detton, R. A., 1969, Geologic map of the Rico quadrangle, Dolores and Montezuma Counties, Colorado: U.S. Geol. Survey Geol. Quad. Map GQ-797, 1:24,000.
- Read, C. B., and others, 1949, Stratigraphy and geologic structure in the Piedra River Canyon, Archuleta County, Colorado: U.S. Geol. Survey Oil and Gas Inv. Prelim. Map 96, 1:31,680.
- Reese, V. R., 1955, Pictured Cliffs and Fruitland gas developments of San Juan Basin northwestern New Mexico and southwestern Colorado, in Guidebook to geology of parts of Paradox, Black Mesa, and San Juan Basins: Four Corners Geol. Soc., 1st Field Conf., p. 137-143.
- Reeside, J. B., Jr., and Knowlton, F. H., 1924, Upper Cretaceous and Tertiary formations of the western part of the San Juan Basin, Colorado and New Mexico, and flora of the Animas Formation: U.S. Geol. Survey Prof. Paper 134, 117 p., illus., tables, sections, index map, geol. map.
- Reneau, J. R., and Harris, J. D., Jr., 1957, Reservoir characteristics of Cretaceous sands of the San Juan Basin, in Guidebook to geology of the southwestern San Juan Basin: Four Corners Geol. Survey, 2nd Field Conf., p. 40-43.
- Rickard, Thomas Arthur, 1903, Across the San Juan Mountains: Eng. Mining Jour.
- Sabins, F. F., Jr., 1964, Symmetry, stratigraphy, and petrography of cyclic Cretaceous deposits in San Juan Basin: Am. Assoc. Petroleum Geologists Bull., v. 48, no. 3, p. 292-316.
- Schrader, F. C., 1906, The Durango-Gallup coal field of Colorado and New Mexico: U.S. Geol. Survey Bull. 285-F, p. 241-258, illus., sections, geol. map.
- Sears, J. D., Hunt, C. B., and Hendricks, T. A., 1941, Transgressive and regressive Cretaceous deposits in southern San Juan Basin, New Mexico, in Shorter contributions to general geology, 1938-40: U.S. Geol. Survey Prof. Paper 193-F, p. 101-121.
- Shaler, M. K., 1907, A reconnaissance survey of the western part of the Durango-Gallup coal field of Colorado and New Mexico: U.S. Geol. Survey Bull. 316-F, p. 376-426, illus., tables, sections, geol. map.
- Shawe, D. R., Simmons, G. C., and Rogers, W. B., 1961, Preliminary geologic map of the Slick Rock district, San Miguel and Dolores Counties, Colorado: U.S. Geol. Survey Mineral Inv. Field Studies Map MF-203, 1:48,000.

- ___1968, Stratigraphy of the Slick Rock district and vicinity, San Miguel and Dolores Counties, Colorado: U.S. Geol. Survey Prof. Paper 576-A, 108 p.
- Shelton, John W., 1951, The Mesaverde group, Cretaceous, in the northwest part of the San Juan Basin, New Mexico and Colorado: M.S. Thesis, Univ. of Ill., Champaign, IL.
- Shoemaker, E. M., 1952, Preliminary geologic map of part of the Sinbad Valley - Fisher Valley anticline, Colorado and Utah: U.S. Geol. Survey open-file map.
- ___1955, Geology of the Juanita Arch quadrangle, Colorado: U.S. Geol. Survey Geol. Quad. Map GQ-81.
- ___1956, Geology of the Roc Creek quadrangle, Colorado: U.S. Geol. Survey Geol. Quad. Map GQ-83.
- Shomaker, J. W., 1971a, Cortez Dakota area, in Strippable low-sulfur coal resources of the San Juan Basin in New Mexico and Colorado: New Mexico Bur. Mines Mineral Resources Mem. 25, p. 31-36, illus. (incl. sketch maps).
- ___1971b, Mesaverde, Durango and Barker Creek Mesaverde areas, in Strippable low-sulfur coal resources of the San Juan basin in New Mexico and Colorado: New Mexico Bur. Mines Mineral Resources Mem. 25, p. 45-47, sketch map.
- ___1971c, San Juan River region, development: Am. Assoc. Petroleum Geologists Bull., v. 55, no. 3, p. 541.
- Shomaker, J. W., ed., 1971d, Strippable low-sulfur coal resources of the San Juan basin in New Mexico and Colorado: New Mexico Bur. Mines Mineral Resources Mem. 25.
- Shomaker, J. W., and Holt, R. D., 1973, Coal resources of the Southern Ute and Ute Mountain Indian Reservations, Colorado and New Mexico: New Mexico Bur. Mines Mineral Resources Cir. 13, 22 p., geologic maps.
- Shomaker, J. W., and Lease, R. C., 1971, Drilling and washability testing, in Strippable low-sulfur coal resources of the San Juan basin in New Mexico and Colorado: New Mexico Bur. Mines Mineral Resources Mem. 25, p. 126-146.
- Silver, C., 1950, The occurrence of gas in the Cretaceous rocks of the San Juan Basin, New Mexico and Colorado, in Guidebook of the San Juan Basin, New Mexico and Colorado: New Mexico Geol. Soc., 1st Field Conf., p. 109-123.
- ___1951, Cretaceous stratigraphy of the San Juan Basin: Guidebook, New Mexico Geol. Soc., 2nd Field Conf., 110 p.
- ___1957, Relation of coastal and submarine topography to Cretaceous stratigraphy: Guidebook Four Corners Geol. Soc. 2nd Field Conference, 129 p.
- Sinclair, William, 1963, Geology of the upper east fork of the San Juan River area, Mineral and Archuleta Counties, Colorado: Colorado School of Mines, Golden, M.S. thesis.
- Speer, William R., 1971a, Economic factors in the utilization of San Juan Basin coal, in Strippable low-sulfur coal resources of the San Juan Basin in New Mexico and Colorado: New Mexico Bur. Mines Mineral Resources Mem. 25, p. 141-165.

- ____ 1971b, Red Mesa Fruitland of the San Juan Basin in New Mexico and Colorado: New Mexico Bur. Mines Mineral Resources Mem. 25, p. 102-104, geol. sketch map.
- Spencer, F. D., and Erwin, M. I., 1953, Coal resources of Colorado: U.S. Geol. Survey Circ. 258, 17 p.
- ' Steven, T. A., and others, 1969, Mineral resources of the San Juan Primitive Area, Colorado: U.S. Geol. Survey Bull. 1261-F.
- ' ____ 1977, Mineral resources of study areas contiguous to the Uncompahgre Primitive Area, San Juan Mountains, southwestern Colorado: U.S. Geol. Survey Bull. 1391-E, 126 p., illus. (incl. colored geol. map, econ. geol. map, 1:48,000).
- Steven, T. A., and Ratte, J. C., 1960, Geology and ore deposits of the Summitville district, San Juan Mountains, Colorado: U.S. Geol. Survey Prof. Paper 343.
- Steven, T. A., Lipman, P. W., Hail, W. J., Jr., and others, 1974, Geologic map of the Durango quadrangle, southwestern Colorado: U.S. Geol. Survey Misc. Geol. Inv. Map I-764 1:250,000.
- Stokes, W. L., and Phoenix, D. A., 1948, Geology of the Egnar-Gypsum Valley area, San Miguel and Montrose Counties, Colorado: U.S. Geol. Survey Oil and Gas Inv. Prelim. Map 93.
- Stokes, W. L., Russell, R. T., Fischer, R. P., and Butler, A. P., 1945, Geologic map of the Gateway area, Mesa County, Colorado, and the adjoining part of Grand County, Utah: U.S. Geol. Survey Strategic Minerals Inv. Prelim. Map, 1:62,500.
- Storrs, L. S., 1902, The Rocky Mountain coal fields: U.S. Geol. Survey 22nd Ann. Rept., pt. 3, p. 415-471.
- Strawn, E. J., 1960, The San Juan Basin of Colorado, in Mineral resources of Colorado, 1st sequence: Colorado Mineral Research Board, Denver, chap. 18.
- Sweetser, A. L., 1911, The La Plata Mountains: Mining Sci., v. 64, p. 229.
- Taff, J. A., 1902, The southwestern coal field: in U.S. Geol. Survey 22nd Ann. Rept., Pt III, p. 367-413.
- ____ 1907, The Durango Coal District, Colorado: U.S. Geol. Survey Bull. 316-E, p. 321-337, illus., sections, geol. map.
- Thomaidis, N. D., 1978, Stratigraphy and oil and gas production; Colorado (Southwest): in Oil and gas fields of the Four Corners area (Fassett, J. E., ed., and others), p. 43-44, illus., Four Corners Geol. Soc., Colorado.
- Tweto, Ogden, 1978, RARE II map showing locatable mineral potential on the San Juan National Forest: U.S. Geol. Survey (unpub.).
- Tyrell, W. W., Jr., 1959, Dakota stratigraphy in the San Juan Basin area: Rocky Mtn. Section Am. Assoc. Petroleum Geologists, Geol. Rec., Denver, Petroleum Inf., p. 43-54.
- U.S. Army Corps of Engineers, 1876, San Juan Exploring Expedition: Gov't. Printing Office.

U.S. Bureau of Mines, 1937, Analysis of Colorado coals: U.S. Bur. Mines Tech. Paper 574.

___[n.d.], Mine map repository: U.S. Bur. of Mines, Denver, Colo., microfiche, mine maps.

U.S. Geological Survey and U.S. Bureau of Mines, 1950, Map of portion of San Juan County, New Mexico and La Plata County, Colorado: U.S. Geol. Survey Oil and Gas Operations Map, Roswell 90, revised 1973, 1:31,680.

___1977, Mineral resources of the Chama - southern San Juan Mountains Wilderness Study area, Mineral, Rio Grande, Archuleta, and Conejos Counties, Colorado (a cooperative study): U.S. Geol. Survey open-file report 77-309, 210 p., 3 plates, (in pocket), 36 figs., 8 tables. (Chapter E. Metallic and coal resources of the Chama - southern San Juan Mountains Wilderness Study area, Mineral, Rio Grande, Archuleta and Conejos Counties, Colorado by A. E. Lindquist, U.S. Bur. Mines, p. 149-205.

___1979, Map showing known recoverable coal resource areas in southwestern Colorado: unpub.

Umbach, P. H., 1950, Cretaceous rocks of the San Juan Basin area, in Guidebook of the San Juan Basin, New Mexico and Colorado: New Mexico Geol. Soc. 1st Field Conf., p. 82-84.

Vogel, J. D., 1960, Geology and ore deposits of the Klondike Ridge area, Colorado: U.S. Geol. Survey open-file rept.

Wanek, A. A., 1954, Geologic map of the Mesaverde area, Montezuma County, Colorado: U.S. Geol. Survey Oil and Gas Inv. Map OM-152, 1:63,630.

___1959, Geology and fuel resources of the Mesaverde area, Montezuma and La Plata Counties, Colorado: U.S. Geol. Survey Bull. 1072-M, p. 667-721, illus., tables, sections, geol. map.

Weeks, H. J., 1925, Oil and water possibilities of parts of Delta and Mesa Counties: Colorado Geol. Survey Bull. 28, pl. 1, 1:125,000.

Weimer, Paul, 1981, Bedrock geology of the Ridgeway area, northwestern flank, San Juan Mountains, Colorado: in Western Slope, Colorado; Western Colorado and eastern Utah (Epis, Rudy C., and others), Guidebook - New Mexico Geol. Soc. no. 32, p. 97-104, 1 table, sects., sketch map, 25 ref.

Weimer, R. J., 1977, Stratigraphy and tectonics of western coals, in Geology of Rocky Mountain Coal, A Symposium, 1976 (Murray, D. K., ed.): Colorado Geol. Survey Resource Ser. 1, p. 9-27.

Wengard, S. A., and Gill, J. J., 1952, Geology of the Chromo oil field, Archuleta County, Colorado: Four Corners Geol. Soc. Geol. Symposium of the Four Corners region, Oct. 1952, map, p. 109, 1:62,500.

Williams, P. L., 1964, Geology, structure, and uranium deposits of the Moab Quadrangle, (west of Paradox Valley 30 Minute Quadrangle, 1916), and Nucla-Naturita area (coal), Colorado and Utah: U.S. Geol. Survey Misc. Geol. Inv. Map I-360, 1:250,000.

- Wilson, W. L., and Livingston, A. L., 1980, Stratigraphy and coal resources of Dakota Sandstone in Sage Plain, Southwestern Colorado and Southeast Utah, in Proceedings of the Fourth Symposium on the Geology of Rocky Mountain Coal: Colorado Geol. Survey Resource Ser. 10, p. 69-72.
- Withington, C. F., 1955, Geology of the Paradox quadrangle, Colorado: U.S. Geol. Survey Geol. Quad. Map GQ-72.
- Wood, G. H., Jr., Johnson, R. B., and Dixon, G. H., 1956, Geology of the southern part of Archuleta County, Colorado: U.S. Geol. Survey Oil and Gas Inv. Prelim. Map 81, 1:63,360.
- Woodward, L. A., and Callender, J. F., 1977, Tectonic framework of the San Juan Basin, in Guidebook to the San Juan Basin III: New Mexico Geol. Soc., 28th Field Conf.
- Wright, Ann F., 1979, Bibliography of geology and hydrology, San Juan Basin, New Mexico, Colorado, Arizona and Utah: U.S. Geol. Survey Bull. 1481.
- Young, R. G., 1960, Dakota group of Colorado Plateau: Am. Assoc. Petroleum Geologists Bull., v. 44, no. 2, p. 156-194.
- _____, 1973, Depositional environments of basal Cretaceous rocks of the Colorado Plateau, in Cretaceous and Tertiary rocks of the southern Colorado Plateau (Fassett, J. E., ed.): Four Corners Geol. Soc. Mem., p. 10-27.
- Zapp, A. D., 1949, Geology and coal resources of the Durango area, La Plata and Montezuma Counties, Colorado: U.S. Geol. Survey Oil and Gas Inv. Prelim. Map 109, scale 1:31,680.