

BIBLIOGRAPHY of Geothermal Reports in COLORADO

by

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PREFACE

This bibliography comprises all known published and unpublished public reports pertaining to the geothermal resources of Colorado through 1980. The report is in two alphabetical sections, BIBLIOGRAPHY and SUBJECT INDEX. The Bibliography section is a listing of the various authors with key words, while the Subject Index section is a listing of the various authors by subject.

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BIBLIOGRAPHY

AAPG, 1973, Geothermal Gradient Maps: American Assoc. Pet. Geologists,
Portofolio Maps No. 15 & 19, Tulsa, OK.
Thermal gradients/

Adams, H.E., 1976, See Keller, G.R. and Adams, H.E.

Arestad, J.F., 1977, Resistivity studies in the upper Arkansas
Valley and northern San Luis Valley, Colorado: Colorado School
Mines, Dept. Geophysical Engineering Thesis 1934, Golden, Colorado,
129 p.
San Luis Valley/Upper Arkansas Valley/Rio Grande Rift Zone/Geophysics/

Armstrong, J.A., 1978, See Koulet, K.G. and Armstrong, J.A.

Bajwa, L.Y. and Behrendt, J.C., 1974, Bouguer gravity and generalized
elevation maps of Colorado: U.S. Geol. Survey Geophysical
Inv. Map GP-896.
Geophysics/

Barrett, J.K., 1976, See Pearl, R.H. and Barrett, J.K.

Barrett, J.K. and Pearl, R.H., 1976, Hydrogeological data of thermal
springs and wells in Colorado: Colorado Geol. Survey Info.
Series 6, 124 p.
Thermal Springs/Basic Data/Water Chemistry/

— 1978, An appraisal of Colorado's geothermal resources: Colorado
Geol. Survey Bull. 39, 224 p.
Thermal Springs/Resource Assessment/Geothermometers/ Geology/

Barrett, J.K., Pearl, R.H., and Pennington, A.J., 1976, Map showing
thermal springs, wells, and heat-flow contours in Colorado:
Colorado Geol. Survey Info. Series 4.
Thermal Springs/Heat Flow/

Barrett, R.R., 1973, See Mallory, E.C., Jr. and Barrett, R.R.

Berhrendt, J.C., 1974, See Bajwa, L.Y and Brehrendt, J.C.

Berry, G.W., Grim, P.J., and Ikelman, J.A., 1980, Thermal springs
list for the United States: Nat. Oceanic and Atmospheric Administration,
Key to Geophysical Records Documentation No. 12., Boulder,
Colorado, 59 p.
Thermal Springs/Basic Data/

Berthoud, E.L., 1866, Description of the hot springs of Soda Creek,
their location, number, temperature, and altitude, and the
geological features of the surrounding locality, together with
the remarkable discovery of a human skeleton and a fossil pine
tree in the boulder and gravel formation of Soda Bar: Oct.
13, 1860: Philadelphia Acad. Nat. Sci. Proc., v. 18, p. 2603-2676.
Idaho Springs/

Birch, F.S., 1947, Crustal structure and surface heat flow near Colorado Front Range: American Geophy. Union Trans., v. 28, no. 5, p. 792-797.
Heat Flow/

— 1948, Flow of heat in the Front Range (abs): Geol. Society America Bull, v. 59, no. 12 pt. 2, p. 1312.
Heat Flow/

— 1950, Flow of heat in the Front Range, Colorado: Geol. Society America Bull., v. 61, no. 6, p. 567-634.
Heat Flow/

— 1974, See Decker, E.R. and Birch, F.S.

Blackmer, J., 1939, Geology of the Steamboat Springs area, Routt Co., Colorado, with a special emphasis on thermal springs: Univ. of Colorado, Dept. of Geology, Master Sci. Thesis.
Steamboat Springs/Thermal Springs/Geology/

Bretz, T.E., 1974, Rules and regulations relating to geothermal leases on Colorado State owned lands in Proceedings of a Symposium on Geothermal Energy and Colorado: Colorado Geol. Survey Bull 35, p. 91-96.
Resource Development/Rules and Regulations/

Bridwell, R.J., 1976, Lithospheric thinning and late Cenozoic thermal and tectonic regime of the northern Rio Grande Rift in Guidebook 27th Field Conference: New Mexico Geological Society, p. 283-292.
San Luis Valley/

Bronder, L.D., Meyer, R.T., Roberts, S.G. and Gertsch, W.D., 1979, Evaluation of state taxes and tax incentives and their impact on the development of geothermal energy in western states, in Expanding the Geothermal Frontier, Transactions Geothermal Resources Council Annual Meeting, Reno, NV: Geothermal Resources Council, Davis, CA, p 65-68.
Taxes/Resource Development/

Bronder, L.D., 1980, See Meyer, R.T. and Bronder, L.D.

Burton, W.A., Jr., 1974, Geothermal Resources--Legal and Tax Considerations, in Proceedings of a Symposium on Geothermal Energy and Colorado: Colorado Geol. Survey Bull. 35, p. 71-81.
Taxes/Resource Development/

Chapin, C.E., 1971, The Rio Grande Rift, part 1, modifications and additions, in H.L. James (ed), Guidebook of the San Luis Basin, Colorado 22nd. Field Conf.: New Mexico Geol. Soc., Socorro, New Mexico, pp. 191-201.
San Luis Valley/Rio Grande Rift Zone/Geology/

___1976, See Epis, R.C., Scott, G.R., Taylor, R.B. and Chapin, C.E.

Chavvenet, Regis, 1890, Analysis of mineral waters of Colorado:
Colorado School Mines Biennial Rept., v. 1890, p. 21-29.
Ouray/San Juan Mnts./Thermal Springs/

Christopherson, Karen, 1979, Geophysical evaluation, Steamboat
Springs, Colorado; in Expanding the Geothermal Frontier, Transactions
Geothermal Resources Council Annual Meeting Reno, NV.: Geothermal
Res. Council, Davis, CA, p. 113-116.
Steamboat Springs/Geophysics/

Coe, B.A., 1978, Geothermal energy development in Colorado: Processes,
Promises and Problems: Colorado Geol. Survey Info. Series
9,, 51 p.
Resource Development/Resources/

___1979a, An opportunity-direct use of hydrothermal energy in
Colorado; in Expanding the Geothermal Frontier, Transactions
Geothermal Resources Council Annual Meeting, Reno, NV: Geothermal
Resources Council, Davis, CA, pp. 117-119.
Resource Development/Resource Assessment/

___1979b, Colorado geothermal commercialization program, semi-annual
report, January-June, 1979: U.S. Dept. of Energy, Div. of
Geothermal Energy DOE/ID12018-1, Idaho Falls, ID.
Misc/

___1979c, See Pearl, R.H. and Coe, B.A.

___1980a, Colorado geothermal commercialization project, semi-annual
progress report, State geothermal commercialization programs
in the Rocky Mountain Basin and Range Region, Chapter 3: U.S.
Dept. of Energy, DOE/ID/12018-1, Idaho Falls, Idaho.
Misc/

___1980b, Community development of geothermal energy in Pagosa
Springs Colorado: Colorado Geol. Survey Open-File Report 80-11
58 p.
Pagosa Springs/Resource Development/

___1980c, Community development of geothermal energy in Pagosa
Springs, Colorado: U.S. Dept. of Energy, Division of Geothermal
Energy DOE/ID/12018-6, Idaho Falls, ID, 58 p.
Pagosa Springs/Resource Development/

___1980d, Geothermal energy potential in the San Luis Valley,
Colorado: Colorado Geol. Survey Open-File Report 80-13 44 p.,.
San Luis Valley/Resource Development/Resources/

___1980e, Geothermal energy development in the San Luis Valley,
Colorado: U.S. Dept. of Energy, Div. of Geothermal Energy,
DOE/ID/12018-4, Idaho Falls, ID.
San Luis Valley/Resource Development/

- ___1980f, The effect of human judgment on geothermal leasing-A case study, in Geothermal Energy for the Eighties, Transactions Geothermal Resources Council Annual Meeting Salt Lake City, UT: Geothermal Resources Council, Davis, CA, p. 767-770.
Mount Princeton/Upper Arkansas Valley/Resource Development/
- ___1980g, See Pearl, R.H. and Coe, B.A.
- Coe, B.A. and Forman, N.A., 1980a, Regulation of geothermal energy development in Colorado: Colorado Geological Survey Info. Series 15, 27 p.
Resource Development/Rules and Regulations/
- ___1980b, Regulation of geothermal energy development in Colorado: U.S. Dept. of Energy, Div. of Geothermal Energy, DOE/ID/2018-3, Idaho Falls, ID.
Resource Development/Rules and Regulations/
- Coe, B.A. and Zimmerman, Judy, 1981b, Geothermal energy opportunities at four Colorado Towns: U.S. Dept. of Energy, Div. of Geothermal Energy, DOE/ID/ 2018-8.
Durango/Glenwood Springs/Idaho Springs/Ouray/Resource Development/
- Colorado Geological Survey, 1978, Geothermal energy-Colorado's untapped resource: Colorado Geol. Survey, Denver, Colo., Pamphlet. Misc/
- Colorado Oil and Gas Conservation Commission, 1976, Rules and regulations, rules of practice and procedure for the development and production of geothermal resources: Colorado Dept. of Natural Resources, Denver, Colorado.
Rules and Regulations/Resource Development/Misc./
- Colorado State Planning Office, 1962, Springs of Colorado; in Colorado Year Book 1959-1961: p. 470-471.
Thermal Springs/
- Comstock, T.B., 1884, Hot spring formations in Red Mountain District, Colorado: American Inst. Met. Engineers, Trans. No. 17, p. 261-264.
Ouray/San Juan Mnts./
- ___1886a, Extinct geyser basin: American Jour. Sci. Ser. 3, v. 132, p. 320.
Ouray/San Juan Mnts./
- ___1886b, Extinct geyser basin: American Nat., v. 20, p. 963-965.
Ouray/San Juan Mnts/
- Connor, F.R., 1980, See Goering, S.W., Connor, F.R. and Coury, G.E.
- ___1980, See Goering, S.W. and Connor, F.R.

Coury and Associates, Inc., 1979, An environmental report on the construction and operation of a geothermal district heating system in Pagosa Springs, Colorado: Coury and Assoc., Inc., Denver, Colorado.

Pagosa Springs/Environmental Assessment/District Heating/

— 1980, Direct utilization of geothermal energy for Pagosa Springs, Colorado. Preliminary design report. Prepared for U.S. Dept. of Energy under contract No. DE-FC07-79ET27030: U.S. Dept. of Energy, Idaho Falls, Idaho.

Pagosa Springs/

Coury, G.E., 1978, See Vorum, M., Coury, G.E., Goering, S.W. and Fritzler, E.A.

— 1979, See Goering, S.W., Coury, G.E. and Garing, K.L.

— 1979, See Goering, S.W., Coury, G.E. and Vorum, M.

— 1979, See Garing, K.L. and Coury, G.E.

— 1980, See Goering, S.W., Connor, F.R. and Coury, G.E.

— 1980, See Goering, S.W., Garing, K.L., Coury, G.E. and Fritzler, E.A.

Coury, G.E. and Vorum, Martin, 1978, San Luis Valley, Colorado: A region of high potential for geothermal development; in Direct Utilization of Geothermal Energy: A Symposium: Geothermal Resources Council, Davis, CA., pp. 71-78.

San Luis Valley/Rio Grande Rift Zone/Resource Development/

Cowling, S., 1977, See Klusman, R.W., Cowling, S., Culvey, B., Roberts, C. and Schwab, A.P.

Crewdson, R.A., 1976, A geothermal assessment of Colorado, in Field guidebook for conference on exploration for the geothermal reservoir, May 4-5, 1976: Colorado School Mines, 35 p.

Resource Assessment/

Culvey, B., 1977, See Klusman, R.W., Cowling, S., Culvey, B., Roberts, C. and Schwab, A.P.

Decker, E.R., 1966, Crustal heat flow in Colorado and New Mexico (abs): American Geophys. Union Trans., v. 47, no. 1, p. 180-181.

Heat Flow/

— 1967, Terrestrial heat flow in Colorado and New Mexico: Harvard University Dept. of Geology PhD Dissertation, Cambridge, Mass.

Heat Flow/

- ____ 1973, Geothermal studies in southern Rocky Mountain region 1971-1973 (abs), in Rocky Mountain Section 26th Annual Meeting: Geol. Society America, v. 5, no. 6, p. 475-476.
Misc/
- ____ 1979, Thermal gradients and heat flow data in Colorado and Wyoming: Report LA-7993 ms, Los Alamos Scientific Lab., Los Alamos, NM.
Heat Flow/Thermal Gradients/
- Decker, E.R. and Birch, F.S., 1974, Basic heat flow data from Colorado, Minnesota, New Mexico and Texas: U.S. Geol. Survey Open-File Report 74-9, p. 1-59.
Heat Flow/
- Dellechaie, Frank, 1976, See Olson, H.J. and Dellechaie, Frank.
- Denver Research Insititute, 1980, Municipal geothermal heat utilization plan for Glenwood Springs, Colorado: DOE/ID/12049-3, U.S. Dept. of Energy, Div. of Geothermal Energy, Idaho Falls, ID, 266.
Resources/Resource Development/Geology/
- Dick, J.D., 1976, Geothermal reservoir temperatures in Chaffee County, Colorado: Northeast Louisiana Univ., Dept. of Geology, Master Sci. Thesis, 171 p.
Upper Arkansas Valley/Thermal Springs/Resources/
- ____ 1978, See Pearl, R.H., Galloway, M.J. and Dick, J.D.
- Earth Science Lab, 1980, Reference list, Routt-Steamboat Hot Springs, Routt County, Colorado: Univ. Utah Research Institute Open-file report CO/RS/ESL-1, Salt Lake City, Utah.
Steamboat Springs/Misc/
- Ebeling, F.A., 1979, Pagosa Springs geothermal distribution and heating system, in Direct Heat Application Program Summary, Annual Meeting Geothermal Resources Council, Reno, NV: U.S. Dept. of Energy, Idaho Falls, ID, pp. 47-49.
Pagosa Springs/District Heating/Resource Development/
- Edwards, C.L., 1975, See Reiter, Marshall, Edwards, C.L., Hartman, H. and Weidman, C.
- Edwards, C.L., Reiter, M.A., Shearer, C. and Young, W., 1977, Terrestrial heat flow and crustal radioactivity in northeastern New Mexico and southeastern Colorado: Geol. Society America Bull., v. 89, pp. 1341-1350.
Heat Flow/
- Emmons, W.H., 1913, Hot Spring, Wagon Wheel Gap, Creede, Colorado: Econ. Geol., v. 8, p. 235-246.
Wagon Wheel Gap/Rio Grande Rift Zone/San Luis Valley/ Creede Caldera/

Emmons, W.H. and Larsen, E.S., 1913, The hot springs and mineral deposits of Wagon Wheel Gap, Colorado: Econ. Geology, v. 8, p. 235-246.

San Luis Valley/Creede Caldera/Thermal Springs/Wagon Wheel Gap/

Epis, R.C., Scott, G.R., Taylor, R.B. and Chapin, C.E., 1976, Cenozoic volcanic, tectonic, geomorphic features of central Colorado, in R.C. Epis and R.J. Weimer (eds), Studies in Colorado Field Geology: Colorado School Mines, Professional Contributions, No. 8, Golden, Colorado, pp. 323-338.

San Luis Valley/Upper Arkansas Valley/Rio Grande Rift Zone/Geology/

Fawcett, Donald, 1978, See Romero, John and Fawcett, Donald.

Forman, N.A., 1980, See Coe, B.A. and Forman, N.A.

Fritzler, E.A., 1978, See Vorum, M., Coury, G.E., Goering, S.W. and Fritzler, E.A.

_____, 1980, See Goering, S.W., Garing, K.L., Coury, G.E. and Fritzler, E.A.

Gaca, J.R., and Karig, D.E., 1966, Gravity survey in the San Luis Valley area, Colorado: U.S. Geol. Survey Open-file Report, 43 p. San Luis Valley/Rio Grande Rift Zone/Geophysics/

Galloway, M.J., 1978, See Pearl, R.H., Galloway, M.J. and Dick, J.D.

_____, 1980a, Hydrogeological and geothermal investigations of Pagosa Springs, Colorado, with a section on Mineralogical and Petrographic Investigation of Samples From Geothermal Wells O-1 and P-1, Pagosa Springs, Co. by W. W. Atkinson, Jr.: Colorado Geol. Survey Sp. Pub. 10 95 p and plates. Pagosa Springs/Resources/Thermal Springs/Resource Assessment/Geology/

_____, 1980b, Hydrogeological and geothermal investigations of Pagosa Springs, Colorado, with a section on Mineralogical and petrographic investigation of samples from geothermal wells O-1 and P-1, Pagosa Springs, Colorado by W.W. Atkinson, Jr.: U.S. Dept. of Energy, Div. of Geothermal Energy DOE/ET/28365-5, Idaho Falls, ID, 95 p. and plates. Pagosa Springs/Resources/Thermal Springs/Resource Assessment/Geology/

Garing, K.L., 1979, See Goering, S.W., Coury, G.E. and Garing, K.L.

_____, 1980, See Goering, S.W., Garing, K.L., Coury, G.E., and Fritzler, E.A.

Garing, K.L. and Coury, G.E., 1979, Adaptation of geothermal energy to produce alcohol from agricultural commodities; in Expanding the Geothermal Frontier, Transactions, Geothermal Resources Council Annual Meeting, Reno, NV: Geothermal Resources Council, v. 3, Davis, CA, pp. 241-244. Resource Development/

- George, R.D. and others, 1920, Mineral waters of Colorado: Colorado Geol. Survey Bull 11, 474 p.
Thermal Springs/Water Chemistry/Geology/
- Gertsch, W.D., 1979, See Bronder, L, Meyer, R.T., Roberts, S., and Gertsch, W.D.
- Goering, S.W., 1978, See Vorum, M., Coury, G.E., Goering, S.W. and Fritzler, E.A.
- Goering, S.W. and Connor, F.R., 1980, Geothermal-based industrial park development in south-central Colorado; in Geothermal: Energy for the Eighties, Transactions Geothermal Resource Council Annual Meeting, Salt Lake City, UT: Geothermal Res. Council, Davis, CA, p. 565-567.
San Luis Valley/Rio Grande Rift Zone/Resource Development/
- Goering, S.W., Connor, F.R. and Coury, G.E., 1980, Geothermal agriculture industrial park development in south-central Colorado: Ogegon Inst. of Tech., Geo-Heat Center Quarterly Bull. v. 5, no. 4, Klamath Falls, Oregon, pp. 3-8.
San Luis Valley/Rio Grande Rift Zone/Resource Development/
- Goering, S.W., Coury, G.E. and Garing, K.L., 1979a, An analysis of the design, economics and federal tax impacts of proposed geothermal greenhouse operations near the Baca Grande Development, San Luis Valley, Colorado; in Expanding the Geothermal Frontier, Transactions Geothermal Resources Council Annual Meeting, Reno, NV: Geothermal Resources Council, v. 3, Davis, CA, p. 253-256.
Greenhouse Design/Taxes/Resource Development/San Luis Valley/
- _____, 1979b, Geothermal energy applications to the barley malting industry in the San Luis Valley, Colorado: ASHRAE Transactions 85(1), pp. 951-964.
San Luis Valley/Rio Grande Rift Zone/Resource Development/
- Goering, S.W., Garing, K.L., Coury, G.E. and Fritzler, E.A., 1980, Residential and commercial space heating and cooling with possible greenhouse operation; Baca Grande Development, San Luis Valley, Colorado, Final Report: U.S. Dept. of Energy ID/78-ET28455-3, Idaho Falls, Idaho, 282 p.
San Luis Valley/Rio Grande Rift Zone/Resource Development/Resource Assessment/
- Gould, D.B., 1934, Terraced deposit of an extinct thermal spring in South Park, Colorado (abs): Iowa Acad. Sci. Proc., No. 1934, v. 41, p. 241.
South Park/Thermal Springs/
- Grant, Jr., P.R., 1980, Geothermal energy development: The question of resource definition as it affects state land leasing policies: Energy Resources Exploration Albuquerque, New Mexico and U.S. Dept. of Energy, Div. of Geothermal Energy, Idaho Falls ID, PG-G-80-025.
Rules and Regulations/Misc/

- Gries, R.R., 1980, Oil and gas potential of San Luis Basin, south-central Colorado (abs).: Bulletin, American Assoc. Pet. Geologists, v. 64, no. 5, p 714.
Geology/
- Grimm, P.J., 1980, See Berry, G.W., Grimm, P.J, and Ikelman, J.A.
- Grose, L.T., 1974, Summary of geology of Colorado related to geothermal energy potential in Proceedings of a Symposium on Geothermal Energy and Colorado: Colorado Geol. Survey Bull. 35, p. 11-29.
Resources/Geology/
- _____, 1976, See Knepper, D.H., Jr. and Grose, L.T.
- Guffanti, Marianne and Nathenson, Manuel, 1980, Preliminary map of temperature gradients in the conterminous United States; in Geothermal: Energy for the Eighties, Transactions Annual Meeting Geothermal Resources Council, Salt Lake City, Ut: Geothermal Resources Council, Davis, CA, p 53-56.
Thermal Gradients/
- Hanny, J.A. and Lunis, B.C. (eds), 1979, Colorado Hydrothermal Commercialization Baseline: E.G.&G., Idaho, Inc., Idaho Falls, Idaho, 38 p.
Thermal Springs/Resources/
- Harder, Vicki, Morgan, Paul and Swanberg, C.A., 1980, Geothermal resources in the Rio Grande Rift: Origins and Potential; in Geothermal: Energy for the Eighties; Transactions Annual Meeting Geothermal Resources Council Annual Meeting, Salt Lake City, UT: Geothermal Resources Council;; Davis, CA, p. 61-64.
San Luis Valley/Upper Arkansas Valley/Rio Grande Rift Zone/Resources/
- Harris, R.C., 1979, State Government workshop on barriers and incentives of geothermal energy resources: National Conf. of State Legislatures, Denver, Colo.
Misc/
- Hartman, H., 1975, See Reiter, M., Edwards, C.L., Hartman, H. and Weidman, C.
- Headdon, W.B., 1909, Notes on some mineral springs: Colorado Sci. Soc. Proceedings, v. 9, p. 259-272.
Ouray/San Juan Mnts./
- Healy, F.C., 1980a, Colorado Geothermal Commercialization planning, Semi-Annual progress report, January 1, 1980 - June 30, 1980: Colorado Geol. Survey and U.S. Dept. of Energy DOE/ID/ 12018-7, Denver, Colo. and Idaho Falls, 19 p.
Misc/

- ____1980b, Geothermal energy potential in Chaffee County, Colorado: Colorado Geol. Survey, Open-file Report 80-10 Denver, Colo. and Idaho Falls, 47 p.
Upper Arkansas Valley/Resource Development/Thermal Springs/
- ____1980c, Geothermal energy potential in Chaffee County, Colorado: U.S. Dept. of Energy, Div. of Geothermal Energy DOE/ID/12018-5, Idaho Falls, ID, 47 p.
Upper Arkansas Valley/Resource Development/
- ____1980d, See Pearl, R.H. and Healy, F.C.
- Hedlund, D.C. and Olson, J.C., 1975, Geologic map of the Powderhorn quadrangle, Gunnison and Saquache Counties, Colorado: U.S. Geol. Survey Geol. Quad. Map GQ-1178.
Cebolla Hot Springs/Geology/
- Heiken, Grant, 1980, See Kron, Andrea and Heiken, Grant.
- Hem, J.D., 1963, See White, D.E., Hem, J.D. and Waring, G.A.
- Hembree, C.H., 1964, See Iorns, W.V., Hembree, C.H., Phoenix, D.A. and Oakland, G.L.
- ____1965, See Iorns, W.V., Hembree, C.H. and Oakland, G.L.
- Hoffman, J.P., 1975, The seismic history of the Rio Grande Rift: U.S. Geol. Survey Earthquake Info. Bull, v. 7, No. 3, pp. 8-18.
San Luis Valley/Rio Grande Rift Zone/Geology/
- Horn, T.G., 1877, Report on the mineral springs of Colorado, in Colorado State Board of Health, Annual Report: Colorado Board of Health, p. 43.
Thermal Springs/
- Ikelman, J.A., 1980, See Berry, G.W., Grimm, P.J. and Ikelman, J.A.
- Iorns, W.V. Hembree, C.H., Phoneix, D.A., and Oakland, G.L., 1964, Water resources of the Upper Colorado River Basin-Basic data: U.S. Geol. Survey Prof. Paper 442, 1,036 p.
Thermal Springs/Basic Data/
- Iorns, W.V., Hembree, C.H. and Oakland, G.L., 1965, Water resources of the Upper Colorado River Basin-Technical report: U.S. Geol. Survey Prof. Paper 441, 370 p.
Thermal Springs/
- Jordan, J.M., 1974, Geothermal investigations in the San Luis Valley, Colorado: Colorado School Mines Dept. Geological Eng., Master Sci. Thesis, 89 p.
San Luis Valley/Rio Grande Rift Zone/

Karig, D.E., 1966, See Gaca, J.R. and Karig, D.E.

Keith, F., 1975, See Nannen, L.W., Keith, F. and West, R.E.

Keller, G.R. and Adams, H.E., 1976, A reconnaissance microearthquake survey of the San Luis Valley, southern Colorado: Seismological Society of America Bull. v. 66, no. 1, pp. 345-347.
San Luis Valley/Rio Grande Rift Zone/Geophysics/

Keller, G.V., 1974, Geophysics of Colorado and Geothermal Energy, in Proceedings of a Symposium on Geothermal Energy and Colorado: Colorado Geol. Survey Bull 35, p. 31-43.
Geophysics/

Kirby, J.R., Jr. and Zietz, Isidore, 1972, Aeromagnetic map of Colorado: U.S. Geol. Survey Geophysical Inv., Map GP-880.
Geophysics/

Kleinkopf, D.F., and others, 1970, Reconnaissance geophysical studies of the Trinidad quadrangle, south-central Colorado: U.S. Geol. Survey Prof. Paper 700-B, pp. B78-B85.
San Luis Valley/Rio Grande Rift Zone/Geophysics/

Klusman, R.W., Cowling, S, Culvey, B, Roberts, C., and Schwab, P.A., 1977, Preliminary evaluation of secondary controls on Mercury in soils of geothermal districts: Geothermics, v. 6, pp. 1-8.
Glenwood Springs/Geochemistry/Soil Mercury/

Knepper, D.H., Jr., 1974, Tectonic analysis of the Rio Grande Rift Zone, central Colorado: Colorado School Mines, Dept. Geological Engineering DSci Disseration, 237 p.
San Luis Valley/Upper Arkansas Valley/Rio Grande Rift Zone/Geology/

— 1976, Late Cenozoic structure of the Rio Grade rift zone, central Colorado, in Epis, R.C., and Weimer, R.J. (eds), Studies in Colorado field geology: Colorado School Mines Prof. Contr. No. 8, Golden, Colorado, pp. 421-430.
Rio Grande Rift Zone/San Luis Valley/Geology/

Knepper, D.H., Jr. and Grose, L.T., 1976, Structure, volcanism, and geothermal features of the northern Rio Grande rift zone, Colorado; in Epis, R.C., and Weimer, R.J. (eds), Studies in Colorado field geology: Colorado School Mines Prof. Contr. No. 8, Golden, CO, p. 403-42.
San Luis Valley/Upper Arkansas Valley/Rio Grande Rift Zone/Geology/Resources/

Knowles, R.R., 1910, See Lowther, W.H. and Knowles, R.R.

- Koulet, K.G. and Armstrong, J.A., 1978, The drilling and production testing of an exploratory geothermal well in Pagosa Springs, Colorado: Denver Research Inst., Univ. of Denver, Contract No. 167022, 69 p.
Pagosa Springs/Environmental Assessment/
- Kron, Andrea and Heiken, Grant, 1980, Geothermal gradient map of the United States in Geothermal: Energy for the Eighties, Transactions Geothermal Resources Council Annual Meeting, Salt Lake City, UT: Geothermal Res. Council, Davis, CA, p. 69-71.
Thermal Gradients/
- Lakes, Arthur, 1905, Geology of the hot springs of Colorado and speculations as to their origin and heat: Colorado Scientific Society Proceedings, v. 8, p. 31-37.
Thermal Springs/
- Larsen, E.S., 1913, See Emmons, W.H. and Larsen, E.S.
- Lester, O.C., 1918, The radioactive properties of the mineral springs of Colorado: American Jour. Sci, Ser. 4, v. 46, p. 621.
Water Chemistry/
- Lewis, E. L., 1966, The thermal springs of Colorado--A resource appraisal: Univ. of Colorado Dept. Geography, Master Sci. Thesis, 91 p.
Thermal Springs/Resources/
- Lipman, P.W., 1968, Geology of Summer coon volcanic center, eastern San Juan Mountains, Colorado: Colorado School Mines Quart., v. 63, no. 3, Golden, Colorado, pp. 211-237.
San Luis Valley/Rio Grande Rift Zone/Geology/
- Lowther, W.H. and Knowles, R.R., 1910, The mineral waters of Steamboat Springs: Western Chemist and Metallurgist, v. 6, p. 60-65.
Steamboat Springs/Thermal Springs/
- Lunis, B.C., 1979, See Hanny, J.A. and Lunis, B.C. (eds).
- Mallory, E.C., Jr. and Barrett, P.R., 1973, Chemistry and spectrochemical analysis of selected groundwaters in Colorado: U.S. Geol. Survey Open-file Report, 47 p.
Thermal Springs/Water Chemistry/
- Mamah, Luke, 1979, Time domain electromagnetic survey of Mineral-Valley View Hot Springs, Saguache County, Colorado: Colorado School Mines Dept. of Geophysical Engineering Thesis 2222, Golden, Colorado, 134 p.
San Luis Valley/Rio Grande Rift Zone/Geophysics/
- Meyer, R.T., 1979, See Bronder, L., Meyer, R.T., Roberts, S., and Gertsch, W.D.

Meyer, R.T. and Bronder, L.D., 1980, Evaluation of state taxes and tax incentives and their impact on the development of geothermal energy in the United western States; in Geothermal Energy for the Eighties, Transactions Geothermal Resources Council Annual Meeting, Salt Lake City, UT: Geothermal Res. Council, Davis, CA, p. 739-741.

Taxes/Misc/

Meyer, R.T. and Roberts, S.G., 1979, Economic analysis of geothermal energy options for the Baca Grande development: Western Energy Planners, Denver, Colorado.

San Luis Valley/Rio Grande Rift Zone/Resource Development/

Morgan, Paul, 1980, See Harder, Vicki, Morgan, Paul and Swanberg, C.A.

Muffler, J.P. (ed), 1978, Assessment of geothermal resources of the United States- 1978: U.S. Geol. Survey Circular 790.

Resources/

Nannen, L.W., Keith, F. and West, R.E., 1975, An investigation of the technical and economic feasibility of using low temperature geothermal sources in Colorado: Univ. of Colorado, Boulder, Colorado.

Resource Development/

Nathenson, Manuel, 1980, See Guffanti, Marianne and Nathenson, Manuel.

Oakland, G.L., 1964, See Iorns, W.V., Hembree, C.H., Phoenix, D.A. and Oakland, G.L.

___1965, See Iorns, W.V., Hembree, C.H. and Oakland, G.L.

Olson, H.J. and Dellechiaie, Frank, 1976, The Mount Princeton geothermal area, Chaffee County, Colorado: in R.C. Epis and R.J. Weimer (eds), Professional Studies in Colorado Field Geology; Colorado School Mines Professional Contributions, No. 8, Golden, Colorado, pp 431-438.

Upper Ark. Valley/Mount Princeton/Rio Grande Rift Zone/Thermal Springs/

Olson, J.C., 1975, See Hedlund, D.C. and Olson, J.C.

Pearl, R.H., 1972, Geothermal resources of Colorado: Colorado Geol. Survey Spec. Pub. 2, 54 p.

Thermal Springs/State Wide/Resources/

___1974, (ed) Proceedings of a symposium on geothermal energy and Colorado: Colorado Geol. Survey Bull. 35, 102 p.

Resources/

___1976a, See Barrett, J.K. and Pearl, R.H.

- ___ 1976b, See Barrett, J.K., Pearl, R.H. and Pennington, A.J.
- ___ 1977, Use of geothermometer models in the exploration for a hydrogeothermal resource in H.K. Veal (ed) Exploration Frontiers of the Central and Southern Rockies, : Rocky Mountain Assoc. Geologists, 1977 Symposium, Denver, Colorado, p. 417-421.
Thermal Springs/Geothermometers/
- ___ 1978, See Barrett, J.K. and Pearl, R.H.
- ___ 1979, Colorado's hydrothermal resource base--An assessment: Colorado Geol. Survey Resource Series 6, 144 p.
Resource Assessment/Resource Development/
- ___ 1980, Geothermal Resources of Colorado: Colorado Geol. Survey Map Series 14, Scale 1:500,000.
Thermal Springs/Resources/
- Pearl, R.H. and Barrett, J.K., 1976, Geothermal resources of the upper San Luis and Arkansas Valley, Colorado in R. C. Epis and R. J. Weimer (eds) Studies in Colorado Field Geology: Prof. Contributions No. 8, Colorado School Mines, Golden, Colorado, pp 439-445.
San Luis Valley/Upper Arkansas Valley/Rio Grande Rift Zone/Geothermometers/Thermal Springs/
- Pearl, R.H. and Coe, B.A., 1979, Geothermal energy development in Colorado, Appendix 7 of Regional operations research program for development of geothermal energy in the southwest United States, final technical report, June, 1977 to August, 1978: U.S. Dept. of Energy, Div. of Geothermal Energy, Idaho Falls, Idaho.
Misc/
- ___ 1980, Potential for geothermal energy development in Colorado, in H.C. Kent and K.W. Porter (eds) Colorado Geology: Rocky Mountain Association of Geologists, Denver, Colorado, p. 247-249.
Resource Assessment/Resource Development/
- Pearl, R.H., and Healy, F.C., 1980, 1980 Mid-Term report--The Colorado geothermal commercialization project, in State Geothermal Commercialization Programs in the Rocky Mountain Basin and Range Region, Semi-Annual Progress Report, January- June, 1980: U.S. Dept. of Energy, DOE/ID12101-1, Idaho Falls, Idaho, pp 66-93.
Misc/
- Pearl, R.H., Galloway, M.J., and Dick, J.D., 1978, The Pagosa Springs Project--The first permitted geothermal wells in Colorado; in Geothermal Energy: A Novelty Becomes Resource; Transaction Geothermal Resources Council Annual Meeting, Hilo, Hawaii: Geothermal Resources Council, v. 2, sec. 2, pp. 517-519.
Pagosa Springs/Resource Development/

- Phoenix, D.A., 1964, See Iorns, W.V., Hembree, C.H., Phoenix, D.A. and Oakland, G.L.
- Reiter, M, Edwards, C.L., Hartman, H. and Weidman, C., 1975, Terrestrial heat flow along the Rio Grande Rift, New Mexico and southern Colorado: Geol. Society America Bull. v. 68, no. 6, pp. 811-818.
San Luis Valley/Upper Arkansas Valley/Rio Grande Rift Zone/
Heat Flow/
- Reiter, M.A., 1977, See Edwards, C.L., Reiter, M.A., Shearer, C. and Young, W.
- Ringrose, C.D., 1980a, Temperature--Depth profiles in the San Luis Valley and Canon City area, Colorado: Colorado Geol. Survey Open-file Report 80-12.
San Luis Valley/Canon City Area/Rio Grande Rift Zone/ Thermal Gradients/
- ____ 1980b, Temperature--Depth profiles in the San Luis Valley and Canon City area, Colorado: U.S. Dept. of Energy Div. of Geothermal Energy, DOE/ET/28365-6, Idaho Falls, ID.
San Luis Valley/Rio Grande Rift Zone/Canon City Area/Thermal Gradients/
- Roberts, C., 1977, See Klusman, R.W., Cowling, S., Culvey, B., Roberts, C., and Schwab, A.P.
- Roberts, S.G., 1979, See Meyer, R.T. and Roberts, S.G.
- ____ 1979, See Bronder, L., Meyer, R.T., Roberts, S.G. and Gertsch. W.D.
- Rold, J.W., 1974, Geothermal energy and Colorado--An Introduction in Proceedings of a Symposium on Geothermal Energy and Colorado: Colorado Geol. Survey Bull 35, p. 1-9.
Resource Development/
- Romero, John and Fawcett, Donald, 1978, Geothermal resources of south-central Colorado and their relationship to ground and surface water: Colorado Div. of Water Resources, 127 p.
San Luis Valley/Upper Arkansas Valley/Rio Grande Rift Zone/
Geophysics/Geology/Resource Definition/
- Schwab, A.P., 1977, See Klusman, R.W., Cowling, S., Culvey, B., Roberts, C. and Schwab, A.P.
- Scott, G.R., 1976, See Epis, R.C., Scott, G.R., Taylor, R.B. and Chapin, C.E.
- Sharp, W.N., 1970, Extensive zeolitization associated with hot springs in central Colorado, in Geological Survey research 1970, Chapter B: U.S. Geol. Survey Prof. Paper 700-B, pp. 14-20.
Upper Arkansas Valley/Thermal Springs/Mount Princeton/

- Shearer, C., 1977, See Edwards, C.L, Reiter, M.A., Shearer, C. and Young, W.
- Steven, T.A. and Lipman, P.W., 1976, Calderas of the San Juan Volcanic Field, southwestern Colorado: U.S. Geol. Survey Prof. Paper 958, 35 p.
San Juan Mnts/Geology/Volcanics/
- Stevens, T.A., 1969, Possible relation of mineralization to thermal springs in the Creede district, San Juan Mountains, Colorado: A discussion: Econ. Geology, v. 64, p. 696-698.
Creede Caldera/San Luis Valley/Rio Grande Rift Zone/Thermal Springs/
- Stoughton, D.D.H., 1977, Interperation of seismic reflection data from the San Luis Valley, south central Colorado: Colorado School Mines, Dept. Geophysical Engineering MSci Thesis T 1960, 100 p.
San Luis Valley/Rio Grande Rift Zone/Geophysics/
- Swanberg, C.A., 1980, See Harder, Vicki, Morgan, Paul and Swanberg, C.A.
- Swanson, H. N., 1980, Evaluation of geothermal energy for heating highway structure; Interim report: Colorado Dept. of Highways, CD0H-DTP-R-80-6, Denver, Colorado.
Glenwood Canyon/Resource Development/
- Taylor, R.B., 1976, See Epis, R.C., Scott, G.R., Taylor, R.B. and Chapin, C.E.
- U.S.D.O.E., EG&G, Inc. ID, and Univ. Utah Research Institute, 1978, Regional hydrothermal commercialization plan: U.S. Dept. of Energy, Div. Geothermal Energy Idaho Falls, Id., 149 p.
Thermal Springs/Misc./
- Uitti, P.B., 1980, Interpretation of seismic reflection data from the southern San Luis Valley south-central Colorado: Colorado School Mines, Dept. Geophysical Engineering Thesis 2341, Golden, Colorado, 49 p.
San Luis Valley/Rio Grande Rift Zone/Geophysics/
- Vorum, M., 1979, See Goering, S.W., Coury, G.E. and Vorum, M.
- Vorum, M., Coury, G.E., Goering, S.W. and Fritzler, E.A., 1978, Non-electric utilization of geothermal energy in the San Luis Valley, Colorado, Final Report: U.S. Dept. of Energy Report No. ID0/1626-3, Idaho Falls, Idaho, 157 p.
San Luis Valley/Rio Grande Rift Zone/Resource Development/Resource Assessment/

- Wagner, Sharon, 1979, State taxation of geothermal resources compared with state taxation of other energy minerals: Geothermal Resources Council Spec. Report No. 4, Davis, California.
Taxes/
- Walton, G.E., 1883, Mineral Springs of the United States and Canada: D. Appleton and Co., Philadelphia, Penn., p. 305.
Thermal Springs/
- Waring, G.A., 1963, See White, D.E., Hem, J.D. and Waring, G.A.
____ 1965, Thermal springs of the United States and other countries of the World--A summary, revised by R.F. Blankenship and Ray Bental: U.S. Geol. Survey Prof. Paper 492, 383 p.
Thermal Springs/
- Weidman, C., 1975, See Reiter, M, Edwards, C.L., Hartman, H. and Weidman, C.
- West, R.E., 1975, See Nannen, L.W., Keith, F. and West, R.E.
- White, D.E. and Williams, D.L. (eds), 1975, Assessment of geothermal resources of the United States-- 1975: U.S. Geol. Survey Circular 726.
Resources/Resource Assessment/
- White, D.E., Hem, J.D. and Waring, G.A., 1963, Data of Geochemistry 6th Ed., Chapter F, Chemical Composition of subsurface waters: U.S. Geol. Survey Prof. Paper 440-F.
Glenwood Springs/
- Williams, D.L., 1975, See White, D.E. and Williams, D.L. (eds).
- Young, W., 1977, See Edwards, C.L., Reiter, M.A., Shearer, C. and Young, W.
- Zietz, Isidore, 1972, See Kirby, J.R., Jr. and Zietz, Isidore.

SUBJECT INDEX

BASIC DATA

Barrett, J.K. and Pearl, R.H., 1976
Berry, G.W., Grim, P.J., and Ikelman, J.A., 1980
Iorns, W.V. Hembree, C.H., Phoneix, D.A., and Oakland, G.L., 1964

CANON CITY EMBAYMENT

Ringrose, C.D., 1980
Ringrose, C.D., 1980

CEBOLLA (POWDERHORN) HOT SPRINGS

Hedlund, D.C. and Olson, J.C., 1975

CREEDE CALDERA

Emmons, W.H. and Larsen, E.S., 1913
Emmons, W.H., 1913
Stevens, T.A., 1969

ENVIRONMENTAL ASSESSMENT

Coury and Associates, Inc., 1979
Koulet, K.G. and Armstrong, J.A., 1978

GEOCHEMISTRY

Klusman, R.W., Cowling, S, Culvey, B, Roberts, C., and Schwab, P.A., 1977

GEOLOGY

Barrett, J.K. and Pearl, R.H., 1978
Blackmer, J., 1939
Chapin, C.E., 1971
Denver Research Insititute, 1980
Epis, R.C., Scott, G.R., Taylor, R.B. and Chapin, C.E., 1976
Galloway, M.J., 1980
Galloway, M.J., 1980
George, R.D. and others, 1920
Gries, R.R., 1980
Grose, L.T., 1974
Hedlund, D.C. and Olson, J.C., 1975
Hoffman, J.P., 1975
Knepper, D.H., Jr., 1974
Knepper, D.H., Jr., 1976
Knepper, D.H., Jr. and Grose, L.T., 1976
Lakes, Arthur, 1905

Lipman, P.W., 1968
Pearl, R.H. and Barrett, J.K., 1976
Pearl, R.H. and Coe, B.A., 1980
Romero, John and Fawcett, Donald, 1978
Steven, T.A. and Lipman, P.W., 1976

GEOPHYSICS

Arestad, J.F., 1977
Bajwa, L.Y. and Behrendt, J.C., 1974
Christopherson, Karen, 1979
Gaca, J.R., and Karig, D.E., 1966
Keller, G.R. and Adams, H.E., 1976
Keller, G.V., 1974
Kirby, J.R., Jr. and Zietz, Isidore, 1972
Kleinkopf, D.F., and others, 1970
Mamah, Luke, 1979
Romero, John and Fawcett, Donald, 1978
Stoughton, D.D.H., 1977
Uitti, P.B., 1980

GEO THERMOMETERS

Barrett, J.K. and Pearl, R.H., 1978
Pearl, R.H., 1977
Pearl, R.H. and Barrett, J.K., 1976

GLENWOOD CANYON

Swanson, H. N., 1980

GLENWOOD SPRINGS

Klusman, R.W., Cowling, S, Culvey, B, Roberts, C., and Schwab, P.A., 1977
White, D.E., Hem, J.D. and Waring, G.A., 1963

GREENHOUSE DESIGN

Goering, S.W., Coury, G.E. and Garing, K.L., 1979

HEAT FLOW

Barrett, J.K., Pearl, R.H., and Pennington, A.J., 1976
Birch, F.S., 1947
Birch, F.S., 1948
Birch, F.S., 1950
Decker, E.R., 1966

Decker, E.R., 1967
Decker, E.R., 1979
Decker, E.R. and Birch, F.S., 1974
Edwards, C.L., Reiter, M.A., Shearer,
C. and Young, W., 1977
Reiter, M., Edwards, C.L., Hartman,
H. and Weidman, C., 1975

IDAHO SPRINGS

Berthoud, E.L., 1866
Coe, B.A. and Zimmerman, Judy, 1981

MISCELLANEOUS

Coe, B.A., 1979
Coe, B.A., 1980
Colorado Geological Survey, 1978
Decker, E.R., 1973
Earth Science Lab, 1980
Grant, Jr., P.R., 1980
Harris, R.C., 1979
Healy, F.C., 1980
Meyer, R.T. and Bronder, L.D., 1980
Pearl, R.H. and Coe, B.A., 1979
Pearl, R.H., and Healy, F.C., 1980

MOUNT PRINCETON

Coe, B.A., 1980
Olson, H.J. and Dellechiaie, Frank, 1976
Sharp, W.N., 1970

OURAY

Chavvenet, Regis, 1890
Coe, B.A. and Zimmerman, Judy, 1981
Comstock, T.B., 1884
Comstock, T.B., 1886
Comstock, T.B., 1886
Headdon, W.B., 1909

PAGOSA SPRINGS

Coe, B.A., 1980
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Coury and Associates, Inc., 1979
Coury and Associates, Inc., 1980
Ebeling, F.A., 1979
Galloway, M.J., 1980
Galloway, M.J., 1980
Koulet, K.G. and Armstrong, J.A., 1978
Pearl, R.H., Galloway, M.J., and Dick,
J.D., 1978

RESOURCES

Barrett, J.K. and Pearl, R.H., 1978
Bronder, L.D., Myer, R.T., Roberts,
S.G. and Gertsch, W.D., 1979
Burton, W.A., Jr., 1974
Christopherson, Karen, 1979
Coe, B.A., 1978
Coe, B.A., 1979
Coe, B.A., 1980
Colorado Oil and Gas Conservation
Commission, 1976
Denver Research Institute, 1980
Dick, J.D., 1976
Ebeling, F.A., 1979
Galloway, M.J., 1980
Galloway, M.J., 1980
Garing, K.L. and Coury, G.E., 1979
Goering, S.W., Coury, G.E. and Garing,
K.L., 1979
Grose, L.T., 1974
Guffanti, Marianne and Nathenson,
Manuel, 1980
Hanny, J.A. and Lunis, B.C. (eds), 1979
Harder, Vicki, Morgan, Paul and Swanberg,
C.A., 1980
Harris, R.C., 1979
Iorns, W.V. Hembree, C.H., Phoneix,
D.A., and Oakland, G.L., 1964
Iorns, W.V., Hembree, C.H. and Oakland,
G.L., 1965
Knepper, D.H., Jr. and Grose, L.T., 1976
Kron, Andrea and Heiken, Grant, 1980
Lewis, E. L., 1966
Meyer, R.T. and Bronder, L.D., 1980
Muffler, J.P. (ed), 1978
Pearl, R.H., 1972
Pearl, R.H., 1974
Pearl, R.H., 1980
Pearl, R.H. and Barrett, J.K., 1976
Pearl, R.H., Galloway, M.J., and Dick,
J.D., 1978
Romero, John and Fawcett, Donald, 1978
Wagner, Sharon, 1979
White, D.E. and Williams, D.L. (eds).
1975

RESOURCE ASSESSMENT

Barrett, J.K. and Pearl, R.H., 1978
Coe, B.A., 1979
Crewdson, R.A., 1976
Goering, S.W., Garing, K.L., Coury,
G.E. and Fritzler, E.A., 1980

Pearl, R.H., 1979
Pearl, R.H. and Coe, B.A., 1980
Vorum, M., Coury, G.E., Goering, S.W.
and Fritzler, E.A., 1978
White, D.E. and Williams, D.L. (eds),
1975

RESOURCE DEFINITION

Romero, John and Fawcett, Donald, 1978

RESOURCE DEVELOPMENT

Bretz, T.E., 1974
Bronder, L..DD., Myer, R.T., Roberts,
S.G. and Gertsch, W.D., 1979
Burton, W.A., Jr., 1974
Coe, B.A., 1978
Coe, B.A., 1979
Coe, B.A., 1980
Coe, B.A., 1980
Coe, B.A., 1980
Coe, B.A., 1980
Coe, B.A., 1980
Coe, B.A. and Forman, N.A., 1980
Coe, B.A. and Forman, N.A., 1980
Colorado Oil and Gas Conservation
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Coury, G.E. and Vorum, Martin, 1978
Denver Research Insititute, 1980
Ebeling, F.A., 1979
Garing, K.L. and Coury, G.E., 1979
Goering, S.W. and Connor, F.R., 1980
Goering, S.W., Connor, F.R. and Coury,
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Goering, S.W., Coury, G.E. and Garing,
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Goering, S.W., Coury, G.E. and Vorum,
M., 1979
Healy, F.C., 1980
Healy, F.C., 1980
Meyer, R.T. and Roberts, S.G., 1979
Nannen, L.W., Keith, F. and West,
R.E., 1975
Pearl, R.H., 1979
Pearl, R.H. and Coe, B.A., 1980
Pearl, R.H., Galloway, M.J., and Dick,
J.D., 1978
Rold, J.W., 1974
Swanson, H. N., 1980
Vorum, M., Coury, G.E., Goering, S.W.
and Fritzler, E.A., 1978

RIO GRANDE RIFT

Arestad, J.F., 1977
Bridwell, R.J., 1976
Chapin, C.E., 1971
Coury, G.E. and Vorum, Martin, 1978
Emmons, W.H., 1913
Epis, R.C., Scott, G.R., Taylor, R.B.
and Chapin, C.E., 1976
Gaca, J.R., and Karig, D.E., 1966
Goering, S.W. and Connor, F.R., 1980
Goering, S.W., Connor, F.R. and Coury,
G.E., 1980
Goering, S.W., Coury, G.E. and Vorum,
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Goering, S.W., Garing, K.L., Coury,
G.E. and Fritzler, E.A., 1980
Harder, Vicki, Morgan, Paul and Swanberg,
C.A., 1980
Hoffman, J.P., 1975
Jordan, J.M., 1974
Keller, G.R. and Adams, H.E., 1976
Kleinkopf, D.F., and others, 1970
Knepper, D.H., Jr., 1974
Knepper, D.H., Jr., 1976
Knepper, D.H., Jr. and Grose, L.T., 1976
Lipman, P.W., 1968
Mamah, Luke, 1979
Meyer, R.T. and Roberts, S.G., 1979
Olson, H.J. and Dellechiaie, Frank, 1976
Reiter, M, Edwards, C.L., Hartman,
H. and Weidman, C., 1975
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Romero, John and Fawcett, Donald, 1978
Stevens, T.A., 1969
Stoughton, D.D.H., 1977
Uitti, P.B., 1980
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RULES AND REGULATIONS

Bretz, T.E., 1974
Coe, B.A. and Forman, N.A., 1980
Coe, B.A. and Forman, N.A., 1980
Colorado Oil and Gas Conservation
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SAN JUAN MNTS.

Chavvenet, Regis, 1890
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SAN LUIS VALLEY

Arestad, J.H., 1977
Bridwell, R.J., 1976
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Coe, B.A., 1980
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Coury, G.E. and Vorum, Martin, 1978
Emmons, W.H., 1913
Emmons, W.H. and Larsen, E.S., 1913
Epis, R.C., Scott, G.R., Taylor, R.B.
and Chapin, C.E., 1976
Gaca, J.R., and Karig, D.E., 1966
Goering, S.W. and Connor, F.R., 1980
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Goering, S.W., Garing, K.L., Coury,
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C.A., 1980
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Jordan, J.M., 1974
Keller, G.R. and Adams, H.E., 1976
Kleinkopf, D.F., and others, 1970
Knepper, D.H., Jr., 1974
Knepper, D.H., Jr., 1976
Knepper, D.H., Jr. and Grose, L.T., 1976
Lipman, P.W., 1968
Mamah, Luke, 1979
Meyer, R.T. and Roberts, S.G., 1979
Pearl, R.H. and Barrett, J.K., 1976
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Ringrose, C.D., 1980
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Vorum, M., Coury, G.E., Goering, S.W.
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SOIL MERCURY

Klusman, R.W., Cowling, S, Culvey,
B, Roberts, C., and Schwab, P.A.,
1977

SOUTH PARK

Gould, D.B., 1934

STEAMBOAT SPRINGS

Blackmer, J., 1939
Christopherson, Karen, 1979
Earth Science Lab, 1980
Lowther, W.H. and Knowles, R.R., 1910

TAXES

Bronder, L.D., Myer, R.T., Roberts,
S.G. and Gertsch, W.D., 1979
Burton, W.A., Jr., 1974
Goering, S.W., Coury, G.E. and Garing,
K.L., 1979
Meyer, R.T. and Bronder, L.D., 1980
Wagner, Sharon, 1979

THERMAL GRADIENTS

AAPG, 1973
Decker, E.R., 1979
Guffanti, Marianne and Nathenson,
Manuel, 1980
Kron, Andrea and Heiken, Grant, 1980
Ringrose, C.D., 1980
Ringrose, C.D., 1980

THERMAL SPRINGS

Barrett, J.K. and Pearl, R.H., 1976
Barrett, J.K. and Pearl, R.H., 1978
Barrett, J.K., Pearl, R.H., and Pennington,
A.J., 1976
Berry, G.W., Grim, P.J., and Ikelman,
J.A., 1980
Blackmer, J., 1939
Chavvenet, Regis, 1890
Colorado State Planning Office, 1962
Dick, J.D., 1976
Emmons, W. H. and Larsen, E.S., 1913
Galloway, M.J., 1980
Galloway, M.J., 1980
George, R.D. and others, 1920
Gould, D.B., 1934

Hanny, J.A. and Lunis, B.C. (eds), 1979
Healy, F.C., 1980
Horn, T.G., 1877
Iorns, W.V. Hembree, C.H., Phoneix,
D.A., and Oakland, G.L., 1964
Iorns, W.V., Hembree, C.H. and Oakland,
G.L., 1965
Lakes, Arthur, 1905
Lewis, E. L., 1966
Lowther, W.H. and Knowles, R.R., 1910
Mallory, E.C., Jr. and Barrett, P.R.,
1973
Olson, H.J. and Dellechaie, Frank, 1976
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U.S.D.O.E., EG&G, Inc. ID, and Univ.
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Arestad, J.F., 1977
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Healy, F.C., 1980
Knepper, D.H., Jr., 1974
Knepper, D.H., Jr. and Grose, L.T., 1976
Pearl, R.H. and Barrett, J.K., 1976
Reiter, M, Edwards, C.L., Hartman,
H. and Weidman, C., 1975
Romero, John and Fawcett, Donald, 1978
Sharp, W.N., 1970

VOLCANICS

Steven, T.A. and Lipman, P.W., 1976

WATER CHEMISTRY

Barrett, J.K. and Pearl, R.H., 1976
George, R.D. and others, 1920
Lester, O.C., 1918
Mallory, E.C., Jr. and Barrett, P.R.,
1973