

Kentucky Geological Survey

Out of Print Publications

KGS Open-File Report OF-99-03

Bulletins (series 9)

- B 4. Geology and mineral resources of the Jackson Purchase Region, Kentucky, by J.K. Roberts and Benjamin Gildersleeve, 1950, p. 1–11, 37–114. Paleozoic geology, by L.B. Freeman, 1950, p. 12–36
- B 5. Areas and principles of ground-water occurrence in the Inner Bluegrass region, Kentucky, by D.K. Hamilton, 1950, 68 p.
- B 6. Regional aspects of Silurian and Devonian stratigraphy in Kentucky (with sample descriptions), by L.B. Freeman, 1951; reprinted 1959, 575 p.
- B 7. Geology and mineral resources of the Henderson (15-min.) Quadrangle, Kentucky, by F.H. Walker and others, 1951, 32 p. (covers Kentucky portions of Henderson, Wilson, West Franklin, and Evansville South 7.5-min. quadrangles)
- B 9. Geology of the Guffie area, McLean and Daviess Counties, Kentucky, by R.L. Bowen, 1952, 39 p.
- B 11. Devonian and Lower Mississippian chert formations of western Kentucky, by E.M. Luttrell and Ann Livesay, 1952, 16 p.
- B 13. Geology and mineral resources of the Paintsville (15-min.) Quadrangle, Kentucky, by R.E. Hauser, 1953, 80 p. (covers Redbush, Sitka, Oil Springs, and Paintsville 7.5-min. quadrangles)
- B 14. Geology of the Morganfield South Pool, Union County, Kentucky, by E.B. Wood, 1955, 20 p.
- B 16. Some old Chester problems—Correlations of lower and middle Chester formations of western Kentucky, by A.C. McFarlan and others, 1955, 37 p.
- B 18. Geology of the area of Smith Mills North and Geneva Oil Pools, Henderson County, Kentucky, by G.W. Fugate, Jr., 1956, 27 p.
- B 21. The petrography of certain igneous dikes of Kentucky, by J.B. Koenig, 1956, 56 p.

Information Circulars (series 9)

- IC 1. Miscellaneous clay and shale analyses for the year 1950–51, by F.H. Walker, 1951, 21 p.
- IC 2. High-calcium limestone in the Kentucky Lake area, by J.A. Stokley and E.M. Luttrell, 1952, 3 p.
- IC 3. High-calcium limestone in the Somerset, Pulaski County, area, by J.A. Stokley and F.H. Walker, 1952, 8 p.
- IC 4. Directory of geological material for Kentucky, by D.J. Jones and Preston McGrain, 1955, 6 p.
- IC 5. Index list of early western Kentucky well records, by D.J. Jones, 1956, 277 p.

- IC 6. Sources of fuller's earth-type clay in Kentucky, by Preston McGrain, 1956, 4 p.
- IC 7. Index list of well cuttings filed at Kentucky Geological Survey, by H.B. Wood and A.J. Walker, 1956, 77 p.
- IC 8. Records of known wells in the Jackson Purchase Region, Kentucky, by F.H. Walker, 1956, 32 p.
- (series 10)*
- IC 3. Supplement to index list of well cuttings filed at Kentucky Geological Survey, by A.C. Pitts and others, 1960, 34 p.
- IC 13. Gypsum and anhydrite in the St. Louis Limestone in northwestern Kentucky, by Preston McGrain and W.L. Helton, 1964, 2 p.
- (series 11)*
- IC 32. Kentucky coal production, 1790–1988, comp. by O.B. Davidson, 1990, 238 p.

Report of Investigations

- (series 9)*
- RI 1. Preliminary report on iron resources of western Kentucky, by V.E. Nelson and E.B. Wood, 1949, 7 p.
- RI 2. Industrial limestones of Kentucky, by J.A. Stokley, 1949, 51 p.
- RI 4. Industrial limestones of Kentucky No. 2, by J.A. Stokley and A.C. McFarlan, 1952, 62 p.
- RI 8. Industrial limestones of Kentucky No. 3, by J.A. Stokley and F.H. Walker, 1953, 62 p.

Reprints

- (series 9)*
- R 1. Oil and gas developments in Kentucky in 1949, by E.B. Wood, 1950, 7 p.
- R 2. Regional aspects of Silurian and Devonian subsurface stratigraphy in Kentucky, by L.B. Freeman, 1951, 61 p.
- R 3. Oil and gas developments in Kentucky in 1950, by E.B. Wood and M.A. McCarville, 1952, 7 p.
- R 5. Summary of secondary recovery operations in Kentucky to 1951, by D.J. Jones and others, 1952, 17 p.
- R 6. Oil and gas developments in Kentucky in 1951, by E.B. Wood and M.A. McCarville, 1952, 8 p.
- R 8. Oil and gas developments in Kentucky in 1952, by F.H. Walker, 1953, 9 p.
- R 19. Oil and gas developments in Kentucky in 1957, by Edmund Nosow and E.O. Ray, 1958, 8 p.
- (series 10)*
- R 15. Mineral paragenesis and zoning in the Central Kentucky Mineral District, by J.L. Jolly and A.V. Heyl, 1964, 29 p.
- R 20. Geology of cement raw materials in Kentucky, by Preston McGrain and G.R. Dever, Jr., 1966, 14 p.
- R 36. Greensburg Consolidated Oil Pool, Green and Taylor Counties, Kentucky, by H.R. Schwalb and E.N. Wilson, 1972, 6 p.
- R 38. Oil and gas developments in east-central states in 1972, by Edmund Nosow and others, 1972, 8 p.
- (series 11)*
- R 1. The mineral industry of Kentucky, 1975, by W.T. Boyd and Preston McGrain, 1978, 13 p.

- R 2. Oil and gas developments in east-central states in 1977, by Jacob Van Den Berg and others, 1978, 15 p.

Special Publications

(series 9)

SP 2. **Superseded by SP 7, ser. X**

SP 3. Proceedings of the Technical Session, Kentucky Oil and Gas Association 17th Annual Mid-Year Meeting, June 5, 1953, 1953, 60 p.

- a. Water-flood development in western Kentucky, by F.E. Moran, p. 7–8
- b. Resume of water flooding in eastern Kentucky, by R.B. Bossler, p. 9–16
- c. Geological review of Rough Creek Fault, by D.G. Sutton, p. 17–20
- d. Oil exploration and development in southwestern Kentucky, by W.D. Chowner, p. 21–26
- e. Natural gas development in southwestern Virginia, by D.M. Young, p. 27–33
- f. The use of radio in natural gas operations, by D.E. York, p. 34–38
- g. Review of water flooding in limestones in the tri-state area, by Leon Krause, p. 39–46
- h. Hydraulic-fracture treatment of oil wells in the tri-state area, by G.H. Link, p. 47–54
- i. Comments on shooting practices in water flood areas, by G.C. Roberts, p. 55–60

SP 5. **Superseded by SP 12, ser. X**

SP 6. Proceedings of the Technical Session, Kentucky Oil and Gas Association 18th Annual Mid-Year Meeting, May 21, 1954, 1954, 97 p.

- a. Increasing oil recovery—Past, present, and future, by A.E. Sweeney, Jr., p. 7–14
- b. Diesel oil cement and its use in the tri-state area, by Art Stegelman, p. 15–20
- c. Hydraulic fracturing in the state of Kentucky, by J.K. Crane, p. 21–27
- d. Deep well drilling and completion practices in the Appalachian area, by B.M. Finch, p. 28–40
- e. Underground storage of natural gas in the Appalachian area, by W.B. Maxwell, p. 41–54
- f. Selective plugging of water injection wells with Perma-Plugs, by J.N. Breston, p. 55–65
- g. Legal aspects of waterflooding in Kentucky, by D.E. Perdue, p. 66–79
- h. A Waltersburg sand flood in a portion of the Uniontown Consolidated Field, Union County, Kentucky, by K.E. Barnett and J.R. Vaughan, p. 80–97

SP 7. **Superseded by SP 11, ser. X**

SP 9. Proceedings of the Technical Session, Kentucky Oil and Gas Association 20th Annual Mid-Year Meeting, May 25, 1956, ed. by Preston McGrain and others, 1956, 83 p.

- a. Probabilities of the presence of reservoirs in the Cambrian and Ordovician of the Allegheny Synclinorium, by O.L. Haught, p. 7–15
- b. Deep tests in Cumberland County, Tennessee, and Crittenden County, Kentucky, by T.P. McCann, p. 16–23
- c. Waterflood development of the Weir sand of eastern Kentucky, by A.C. Simmons, p. 24–39
- d. Introduction to radioactivity logging, by O.T. Bright, p. 40–47
- e. Induction-electrical logging in Oklahoma, by H.W. True, p. 48–61
- f. Use of gravity in locating geological traps, by R.A. Pohly, p. 62–69
- g. Future oil and gas possibilities of the shallow rim area in western Kentucky, by W.W. Hagan, p. 70–74
- h. Geology of the Apex and Hardeson Pools, by Edmund Nosow, p. 75–83

SP 10. Behind the scenery in Kentucky, by A.C. McFarlan, 1958, 144 p.

SP 11. Proceedings of the Technical Session, Kentucky Oil and Gas Association 21st Annual Meeting, May 24, 1957, ed. by Preston McGrain and others, 1957, 75 p.

- a. Oil and gas developments in Kentucky in 1956, by F.H. Walker, p. 7–15
- b. Geology of the McQuady Pool, Breckinridge County, Kentucky, by W.T. Stoeckinger, p. 16–30
- c. West Dixie Pool, Henderson County, Kentucky, by C.B. Bauer, p. 31–40
- d. Panther Pool Bethel waterflood, Daviess County, Kentucky, by H.S. Barger, p. 41–49
- e. Discussion of core analysis in Illinois, Indiana, and Kentucky areas, by J.R. Lavens, Jr., p. 50–52
- f. Gamma rays reveal subsurface faulting, by W.J. Williams, p. 53–58

- g. Application of a thermal method for recovery of oil, by R.O. Garbus, p. 59–69
- h. A resume of fracturing in eastern Kentucky, by W.S. Moore, p. 70–75

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- SP 2. Proceedings of the Technical Session, Kentucky Oil and Gas Association 23rd Annual Meeting, June 5, 1959, ed. by Preston McGrain and T.J. Crawford, 1959, 82 p.
- a. Underground storage of liquefied petroleum gas, by J.A. Brake, p. 7–12
 - b. Nuclear logging in the Appalachian Basin, by R.M. MacFarlane and R.K. Ault, p. 13–27
 - c. New developments in well completion techniques, by L.C. Taylor, p. 28–39
 - d. Percentage depletion allowance, by J.A. Anderson, III, p. 40–47
 - e. Resume of drilling activities in eastern Kentucky, by E.O. Ray, p. 48–50
 - f. Sonic logging—A method of porosity determination, by T.E. Lovan, p. 51–60
 - g. Drill stem logging tool, by P.E. Chaney and others, p. 61–66
 - h. Some Devonian–Silurian stratigraphic relationships on the west flank of the Cincinnati Arch, by Edmund Nosow, p. 67–81
 - i. Oil production in Kentucky for 1958, by Kentucky Geological Survey, p. 82
- SP 3. Proceedings of the Technical Session, Kentucky Oil and Gas Association 24th Annual Meeting, June 3, 1960, ed. by Preston McGrain and T.J. Crawford, 1960, 74 p.
- a. Recent trends of waterflooding of the Weir oil sands in eastern Kentucky, by W.H. Litton, p. 7–9
 - b. Geology of recent deep drilling in eastern Kentucky, by G.R. Thomas, p. 10–28
 - c. Kentucky's three percent sales and use tax and its application to "producers," by W.E. Chellgren, p. 29–37
 - d. The Kentucky Oil and Gas Conservation Act of 1960, by J.D. Knodell, Jr., p. 38–47
 - e. Recent oil development in Spencer County, Indiana, by D.M. Sullivan, p. 48–55
 - f. An interpretation of recent discoveries in Kentucky's Allen County area, by Reid Patterson, p. 56–62
 - g. Oil and Gas Conservation Act, 1960, by Commonwealth of Kentucky, p. 63–63
 - h. Oil production in Kentucky for 1959, by Kentucky Geological Survey, p. 74
- SP 5. **Superseded by ser. XI, SP 15**
- SP 7. Geology of the Mammoth Cave National Park area, by Ann Livesay, 1953; revised by Preston McGrain, 1962, 40 p.
- SP 9. Kentucky's rocks and minerals, by W.L. Helton, 1964, 55 p. **superseded by ser. XI, SP 20**

Miscellaneous Publications

- The application of new geologic maps to the economic growth of Kentucky, by Preston McGrain, 1965, 13 p.
- Geologic mapping provides key to environmental and natural resource development in Kentucky, by Preston McGrain, 1971
- Oil and gas pool map of Kentucky (1954) with Carter coordinates and structure contours on Devonian black shale (1931) (approx. 1 in.=8 mi.)

Guidebooks

- Itinerary: Outcrop of the Chester formations of Crawford and Perry Counties, Indiana, and Breckinridge County, Kentucky (Roadlog for Geological Society of Kentucky 1952 Field Excursion), comp. by Preston McGrain, 1952, 20 p.
- Guide to some Pennsylvanian sections in Morgan, Magoffin, and Breathitt Counties, Kentucky (Roadlog for Geological Society of Kentucky 1953 Field Excursion), ed. by J.W. Huddle, 1953, 28 p.
- Itinerary: Geology of the Mammoth Cave region, Barren, Edmonson, and Hart Counties, Kentucky (Roadlog for Geological Society of Kentucky 1954 Field Excursion), comp. by Preston McGrain and F.H. Walker, 1954, 32 p.

- Exposures of producing formations of northeastern Kentucky (Roadlog for Geological Society of Kentucky 1955 Field Excursion), by R.N. Thomas and others, 1955, 32 p.
- Geological itinerary, Kentucky highways (reprinted from Guides to Southeastern Geology), by A.C. McFarlan and Lois Campbell, 1955, 94 p.
- Guides to southeastern geology (Geological Society of America symposium), ed. by R.J. Russell, 1955, 592 p.
- Itinerary: Selected features of Kentucky geology (Roadlog for Association of American State Geologists 1956 Field Excursion), by Preston McGrain and others, 1956, 31 p.
- Itinerary: Selected geologic features of southwestern Kentucky (Roadlog for Geological Society of Kentucky 1956 Field Excursion), by L.M. MacCary and T.W. Lambert, 1956, 30 p.
- Itinerary: Some stratigraphic and structural features of the Middlesboro Basin (Roadlog for Geological Society of Kentucky and Appalachian Geological Society 1957 Field Conference), by R.E. Hauser and others, 1957, 35 p.
- Itinerary: Sedimentation and stratigraphy of the Silurian and Devonian rocks in the Louisville area, Kentucky (Roadlog for Geological Society of Kentucky 1958 Field Excursion), by Ruth Browne and others, 1958, 46 p.
- Stratigraphy of Nelson County and adjacent areas (Roadlog for Geological Society of Kentucky 1959 Field Excursion), by Edmund Nosow, 1959, 37 p.
- Geology of the central Bluegrass area (Roadlog for Southeastern Section, Geological Society of America 1960 Field Excursion), by Edmund Nosow and A.C. McFarlan, 1960, 56 p.
- Geologic features of the Cumberland Gap area, Kentucky, Tennessee, and Virginia (Roadlog for Geological Society of Kentucky 1961 Field Excursion), by K.J. Englund and L.D. Harris, 1961, 30 p.
- Selected features of the Kentucky Fluorspar District and the Barkley Dam site (Roadlog for Geological Society of Kentucky 1962 Field Excursion), by J.W. Hook and B.E. Clark, 1962, 35 p.
- Geologic features of the Mississippian Plateau, south-central Kentucky (Roadlog for Geological Society of Kentucky 1963 Field Excursion), by R.Q. Lewis, 1963, 28 p.
- Geologic features of the Mississippian Plateau in the Mammoth Cave and Elizabethtown areas, Kentucky (Roadlog for Geological Society of Kentucky 1964 Field Excursion), by E.R. Pohl and others, 1964, 32 p.
- Lithostratigraphy of the Ordovician Lexington Limestone and Clays Ferry Formation of the central Bluegrass area near Lexington, Kentucky; excursion to the cryptoexplosive structure near Versailles, Kentucky (Roadlog for Geological Society of Kentucky 1965 Field Excursion), by D.F.B. Black and W.C. MacQuown, Jr., 1965, 51 p.
- Guidebook for field trips (consists of roadlog for four field trips held in conjunction with the 18th Annual Meeting of the Southeastern Section of the Geological Society of America. Includes (1) Geologic features of southeastern Kentucky, (2) Lexington Limestone of central Kentucky, (3) Borden Formation in southeast-central Kentucky, and (4) Paleozoic section between Lexington and Olive Hill, Kentucky), by A.J. Froelich and others, 1970, 70 p.
- Carboniferous depositional environments in northeastern Kentucky (Roadlog for Geological Society of Kentucky 1971 Field Excursion), by J.C. Ferm and others, 1971, 30 p.
- Depositional environments of eastern Kentucky coals (Roadlog for Coal Division of Geological Society of America 1971 Field Excursion). Part 1: Guide to the geology along Interstate Highway 64 and the Mountain Parkway, Lexington to Wolfe County, by G.R. Dever, Jr. Part 2: Depositional environments of Pennsylvanian rocks along the Mountain Parkway and Kentucky Highway 15, Wolfe County to Knott County, by J.C. Horne and others, 1971, 22 p.

Carboniferous geology from the Appalachian Basin to the Illinois Basin through eastern Ohio and Kentucky (Field Trip No. 4, Ninth International Congress of Carboniferous Stratigraphy and Geology), ed. by Ettensohn, F.R., and Dever, G.R., Jr., 1979, 294 p.

Depositional and structural history of the Pennsylvanian System of the Illinois Basin, part 1: Roadlog and descriptions of stops (Field Trip No. 9, Ninth International Congress of Carboniferous Stratigraphy and Geology), ed. by J.E. Palmer and R.R. Dutcher, 1979, 112 p.

Depositional and structural history of the Pennsylvanian System of the Illinois Basin, part 2: Invited papers (Field Trip No. 9, Ninth International Congress of Carboniferous Stratigraphy and Geology), ed. by J.E. Palmer and R.R. Dutcher, 1979, 158 p.