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FIELD RECORDS COLLECTION
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NATHAN WOOD BASS
(1893 - 1979)

NOTES, CORREONDENCE, PAPERS

1918 - 1954

(13.5 linear ft. and 40 map folders)

Bass was born June 8, 1893 at Fort Scott, Kansas. He received his bachelor's degree from Kansas State University, and a Masters in Geology from George Washington University in 1922. Bass worked for the U.S. Geological Survey during three different time periods including 1917-1928, 1931-1957, and 1961-1977. He worked on the classification of public coal lands, helium resources, shoestring sands in Kansas and Oklahoma, and mineral classification of leasable lands. In 1957 he was awarded a gold medal for distinguished service from the U.S. Department of Interior.

INVENTORY

By

Carol A. Edwards
U.S. Geological Survey Field Records Collection
MS 914, Box 25046, Federal Center
Denver, CO 80225-0046
August 2002

Location of Field Notebooks: CS 20-2 through 6

**GEOLOGY AND MINERAL FUELS OF PARTS OF COLORADO, AND
AREAS IN UTAH AND WYOMING. 1918-1954.**

<u>Item Number</u>	<u>Description</u>
NO-00292	Baker, A.A. Yampa coal field, Colorado. Measured section and plane-table data. 1925, 1927.
NO-00293	Bass, N.W. Yampa coal field. Measured section, Plane-table notes, notes on photos, notes on rock specimens. 1925-1926.
NO-00294	Bass, N.W. Yampa coal field. Mine and photo data. Book I. 1937.
NO-00295	Bass, N.W. Yampa coal field. Mine, photo, and specimen data. Book II. 1937.
NO-00296	Bass, N.W. Yampa coal field. Drill hole, measured section, mine, plane-table, and photo data. Book I. 1940.
NO-00297	Bass, N.W. Yampa coal field. Measured section and mine data. Book II. 1940.
NO-00298	Bass, N.W. Yampa coal field. Drill hole, measured section, mine, plane-table, and photo data. Book III. 1940.
NO-00299	Bass, N.W. Yampa coal field, Axial quadrangle, areas in Eagle County, Colorado; areas in Uintah County, Utah. Measured section, mine, and photo data. Book II. 1941.
NO-00300	Bass, N.W. Yampa coal field; Glenwood Canyon area, Glenwood Springs quadrangle; Durango quadrangle, La Plata County; Engineer Mountain quadrangle, Dolores County, Colorado. Data on fossils in the Madison limestone, measured section data. Book I. 1944.
NO-00301	Bass, N.W. Yampa coal field; Mt. Gunnison quadrangle, Paonia coal field, Gunnison County. Core hole and plane-table data. Book II. 1944.
NO-00302	Bass, N.W. Yampa coal field; Rangely quadrangle, Rio Blanco County, Colorado; Tabiona area, Duchesne County, Utah. Stratigraphic and coal bed data. Book I. 1945.
NO-00303	Bass, N.W. and F.D. Spencer. Yampa coal field; Rangely quadrangle, Rio Blanco County; Livermore quadrangle, Larimer County, Colorado. Core hole, measured section, and plane-table data. 1946-1948.
NO-00304	Bass, N.W. and A.A. Baker. Yampa coal field. Measured section and mine data, 1 vertical angle book, B.A. Long notes(?), 1 drill log in pocket. Book I. 1925.

- NO-00305 Bass, N.W., F.T. McCann, and L. Pierce. Yampa coal field and Burns area, Eagle County. Vertical angle books. 1937, 1940-1941, 1944.
- NO-00306 Campbell, M.R. Yampa coal field. Data on Townships 5-6 N., R. 91 W. n.d.
- NO-00307 Campbell, M.R. Yampa coal field. Expandable envelope with:
- Folder #1 –
- carbon copy of report by M.R. Campbell, “Description of coal beds in T. 5 N., R. 87 W., Colorado” dated June 28, 1930;
 - additional sheets with data on coal beds in T. 4 N., R. 98 W., Colorado and in T. 4 N., R. 90 W., Colorado;
 - carbon copy of report by M.R. Campbell, “T. 6 N., R. 87 W., Routt County, Colorado,” no date;
 - carbon copy of report by M.R. Campbell, “T. 6 N., R. 87 W.,” no date;
 - typed draft of report, “Mineral Resources of the Eastern Yampa Coalfield” by M.R. Campbell and others, no date;
 - typed draft of report, “Eastern Yampa coal field of Routt County, Colorado” by M.R. Campbell and others, no date;
 - manuscript draft report, “T. 4 N., R. 86 W.”;
 - typed carbons of recopied pages, T. 6 N., R. 86 W.;
 - manuscript draft, “T. 4 N., R. 85-86 W.”;
 - typed draft, “Description of coal beds in T. 5 N., R. 85 W.”;
 - typed carbon, “Report on Eight Tracts of Land in T. 5 N., R. 88 W., Routt County, Colorado,” no date.
- Folder #2 –
- Typed draft, “Notes on the Twentymile Park district”;
 - Typed draft, “Description of the Mineral resources of T. 4 N., R. 85 and 86 W., Routt County, Colorado, July 1, 1930: by M.R. Campbell;
 - Typed draft, “Description of coal beds in T. 4 N., R. 86 W., Colorado, July 1, 1930” by M.R. Campbell;
 - Typed draft, “Description of coal beds in T. 5 N., R. 85 W.”;
 - Typed draft, “Description of the mineral resources of T. 5 N., R. 85 and 86 W., Routt County, Colorado” by M.R. Campbell, no date;
- Folder #3 –
- Draft report, “Geology and coal resources of the Eastern Yampa Coal Field, Colorado” by Marius R. Campbell;
- Folder #4 –
- Correspondence between M.R. Campbell and J.J. Argo, J.L. Covert, N.W. Bass, R.M. Perry (The Moffat Coal Company), and J.D. Northrop, 1921-1930;
 - Well logs;
 - Chemical analysis report, 1926;
- Folder #5 –
- 22 drill hole logs;

- 9 black and white photographs of the Wadge coal mine (Near Mt. Harris) and the Pinnacle coal mine (Victor-American Fuel Company, Oak Creek, Colorado);
 - drill hole logs from Victor-American Fuel Company;
 - correspondence between M.R. Campbell and F.W. Whiteside of Victor-American Fuel Company, 1930;
 - correspondence between M.R. Campbell and B.W. Snodgrass, President of Victor-American Fuel Company, regarding use of the name, "Pinnacle seam", 1932.
- NO-00308 M.R. Campbell. Yampa coal field. Township plats showing coal outcrops, etc. in the Twentymile Park district. 1918-1919.
- NO-00309 Campbell, M.R. and D.E. Winchester. Yampa coal field. Field notes and plane-table data. 1925.
- NO-00310 Campbell, M.R. Yampa coal field and Slater area, Moffat County, Colorado and Carbon County, Wyoming. Drill hole, measured section, and mine data. 1926.
- NO-00311 Campbell, M.R. Yampa coal field, reconnaissance in Wyoming and Colorado. Measured section data. 1930.
- NO-00312 Eby, J.B. Expandable folder with:
- Folder #1 -
- typed draft of report, "The Geology and Coal Resources of the Yampa Coalfield, Colorado" by J.B. Eby, ca. 1927;
 - manuscript and typed draft of "The Geology and Coal Resources of the Elkhead Creek quadrangle, Colorado" by J.B. Eby, ca. 1926;
- Folder #2 -
- Fossil report, "Fossils collected in 1924 in Routt County, Colorado by J.B. Eby" by John B. Reeside, Jr., October 29, 1926;
 - Fossil report, "Report on Mesozoic invertebrates collected in 1923 in Yampa coal field by J.B. Eby" by John B. Reeside, Jr., ca. 1923;
 - "Report on fossil plants from the Yampa coal field, Colorado, collected by J.B. Eby and associates in 1923" by F.H. Knowlton;
 - notes by Eby related to publication;
 - list, "Coal Sampling in Routt County" giving Number and Location, Sampler, Date;
 - short report by USGS Land Classification Branch, dated March 22, 1924, with statement on Eastern Yampa, Colorado;
 - Correspondence, 1923, 1924. Correspondents include: J.B. Eby, John B. Reeside, Jr., W. Taylor Thom, Jr., C.E. Dobbin, Albert Pike, K.K. Kimball, C.L. Duer, Herman Stabler, Julian Sears, William S. McKinley, W.E. Rennie, F.M. Pleasant, Clyde Maxey, H.I. Smith, John Connell, John D. Northrop, K.C. Heald, Ed Spieker, W.H. Morey, and Clarence S. Ross;
- Folder #3 -

- Section of Dakota formation as Exposed in Muddy Creek Canyon, sec. 14, T. 2 N., R. 84 W.;
- Section on White River, T. 1 S., R. 93 W.;
- Section on White River at Elk Creek, T. 1 S., R. 92 W.;
- Geologic Section at McCoy, Colorado, T. 1 S., R. 83 W.;
- Geologic Section on East Flag Creek 10 miles south of Meeker, Rio Blanco County, Colorado;
- Report on Igneous Rocks of Yampa Coalfield, Colorado Collected by J.B. Eby and described by C.S. Ross," March 27, 1924;
- Piece of Pilot Knob quadrangle, showing mine locales;
- Correspondence, 1924-1926. Correspondents include: J.B. Eby, F.W. Thomas, O.G. Hellwig, A.C. Fieldner, T.W. Stanton, E.O. Markham, Hugh A. Stewart, W.W. Curtis, Glen M. Ruby, George H. Girty, John Koll, Jr., George C. McFarlane, Clifton S. Corbett, K.C. Heald, J.J. Argo, Clarence S. Ross, and N.W. Bass.

- NO-00313 Eby, J.B., N.C. Beck, W.H. Newhouse, and J.B. Reeside, Jr. Yampa coal field and Axial quadrangle. Notes on fossils, measured sections, mines, plane-table sheets, and rock samples. Book 10. 1923.
- NO-00314 Eby, J.B. and N.C. Beck. Yampa coal field. Coal sample and mine data. 1923.
- NO-00315 Eby, J.B., N.C. Beck, and H.F. Clark. Yampa coal field. Coal sample and mine data. 1924.
- NO-00316 Eby, J.B., N.C. Beck, and J.B. Reeside, Jr. Yampa coal field, Colorado and Baggs Dome, Carbon County, Wyoming. Measured section, mine, plane-table data, vertical angle book. 1924.
- NO-00317 Eby, J.B. and N.C. Beck. Yampa coal field. Vertical angle book 1. 1923.
- NO-00318 Eby, J.B. and N.C. Beck. Yampa coal field. Vertical angle books 2-7. 1923.
- NO-00319 Landes, K.K. Yampa coal field. General notes and graphic section data. Book 2. 1926.
- NO-00320 Newhouse, W.H. and J.B. Eby. Yampa coal field. Section and mine data. 1923.
- NO-00321 Spencer, F.D. Daton Peak quadrangle. Core drilling. Book I. 1948.
- NO-00322 Spencer, F.D. Daton Peak quadrangle. Core drilling. Book II. 1948-1949.
- NO-00420 Spencer, F.D. Daton Peak quadrangle. Core drilling. Book III. 1949.
- NO-00421 Spencer, F.D. Daton Peak quadrangle. Vertical angle books. 1948-1949.

- NO-00422 Elliott, B.A. Glenwood Canyon, Glenwood Springs quadrangle; Johnson Draw, Tanks Peak quadrangle; Gilman and State Bridge areas, Eagle County; Molas Lake, Needle Mountains quadrangle, San Juan County; and Elk Creek section. Measured section data. 1948-1949.
- NO-00423 Elliott, B.A. Rifle area, Garfield County, Colorado; sec. 18, T. 26 S., R. 7 E in Emery County, Utah. Core analysis data. 1948.
- NO-00424 Illes Dome, Monument Butte quadrangle. Drill log data. 1946.
- NO-00425 Illes Dome, Monument Butte quadrangle. Drill log data. Book II. n.d.
- NO-01382 Tow Creek, Mount Harris quadrangle. Drill log data. Book I. 1949.
- NO-01383 Tow Creek, Mount Harris quadrangle. Drill log data. Book II. n.d.
- NO-01384 Elk Springs, Elk Springs quadrangle. Drill log data. n.d.
- NO-01385 Yampa coal field. Expandable envelope with:
- large group of coal sections;
 - 43 drill logs;
 - 1 sheet of mine sample data, 3 work sheets, 2 sheets with measured section data, miscellaneous material. n.d.
- NO-01386 Expandable envelope with:
- manuscript on Williams Fork Mountains area by N.W. Bass and F.D. Spencer;
 - 7 groups of core drilling data, Daton Peak quadrangle;
 - 8 groups of coal analysis reports, Daton Peak quadrangle;
 - 10 groups of prospect bore hole logs, Daton Peak quadrangle;
 - 19 groups of mine descriptions, coal analyses, and sampling reports, Yampa coal field, Meeker and Rangely quadrangles;
 - miscellaneous data.
- NO-01387 Expandable envelope with material on:
- Yampa coal locations;
 - Yampa coal sections;
 - Miscellaneous data on wells in the Yampa coal field, Meeker, Rangely, Citadel Plateau, and Livermore quadrangles;
 - Draft of report on cross section traversing Rio Blanco, Moffat, and Routt Counties;
 - Miscellaneous notes.
- NO-01388 Expandable envelope with drill and well data, Daton Peak, Meeker, Rangely, Citadel Plateau, and Soda Canyon quadrangles, and areas in Rio Blanco County. n.d.

- NO-01389 Expandable envelope with:
- Yampa coal reserve calculation sheets;
 - 157 black and white vertical aerial photographs:
 - Folder #1 – B.C. 9: 20-42 (even numbers only), 1937;
 - B.C. 12: 41-61 (odd numbers only), 1937;
 - B.C. 12: 99-119 (odd numbers only), 1937;
 - B.C. 13: 1-23 (odd numbers only), 1937;
 - B.C. 13: 57-99 (odd numbers only), 1937;
 - B.C. 15: 25-35 (odd numbers only), 1937;
 - Folder #2 – B.C. 15: 37-41, 45-47 (odd numbers only), 1937;
 - B.C. 15: 65, 67 1937;
 - B.C. 16: 25 1937;
 - B.C. 16: 61,63,65,67,77 1937;
 - B.C. 16: 94-110 (even numbers only), 1937;
 - B.C. 17: 19-61 (odd numbers only, 2 copies of no. 25), 1937;
 - B.C. 17: 98-118 (even numbers only), 1937;
 - B.C. 21: 49-69 (odd numbers only), 1937;
 - B.C. 23: 81, 83, 85 1937;
 - B.C. 23: 95, 101, 103, 195 1937.
- NO-01390 Box with materials relating to Yampa coal field-Citadel Plateau, Elk Springs, Meeker, and Rangely quadrangles, areas in Rio Blanco County, Colorado, and area in Dinosaur National Monument, Uintah County, Utah:
- 9 Schlumberger well logs;
 - 30 sedimentary logs;
 - 17 miscellaneous logs
- NO-01391 Yampa coal field. Box with 122 drill logs.
- NO-02798 Expandable envelope with material relating to the Banty Point, Mellen Hill, Rangely, and Rangely NE 7.5' quadrangles, Rio Blanco County, Colorado. 1946:
- work sheets on 11 wells in the Rangely anticline;
 - one subsurface map.
- NO-02804 Bass, N.W. and H.J. Hyden. 1953. Baxter Pass 7.5' quadrangle, Garfield County, Colorado. Cores of the G.P. Atchee well.
- NO-02805 Random notes. 1953-1954. Garfield, Eagle, and Moffat Counties, Colorado and Uintah County, Utah, and Rush County, Kansas.
- NO-09156 Expandable envelope with:
- folder #1 – two columnar sections of Cretaceous rocks exposed in the Canyon of the S. Fork Little Snake River;
 - folder #2 – letter from Bass to M.R. Campbell, dated June 1, 1927 plus report, “Coal in the Elkhead Mountains, Colorado”;

32 black and white vertical aerial photographs in the Mount Harris and Pilot Knob quadrangles:

- folder #3 - Listing of photos in flights 1 through 5; photographs for flight 1: B.C. 16: 88,90,92 - dated 1937;
- folder #4 – Flight 2: B.C. 16: 69,71,73,75,79,81,83 – dated 1937;
- folder #5 – Flight 3: B.C. 23: 73,75,77,79 – dated 1937;
- folder #6 – Flight 4: B.C. 16: 1,7,9,11,13,15,17,19,21,23 – dated 1937;
- folder #7 – Flight 5: B.C. 15: 49,51,53,55,57,59,61,63 – dated 1937.

MA-00078 Geology and mineral fuels of parts of Colorado and areas in Utah and Wyoming. Map folder with:

- 1 map of northwestern Colorado;
- 1 map of Meeker dome in Meeker quadrangle;
- 2 maps of Axial and Monument Butte quadrangles;
- 1 map showing anticlines;
- 1 tissue paper worksheet;
- 5 paper and 4 linen maps showing preliminary work for Plate 19;
- 3 linen maps showing contours on Dakota sandstone;
- 2 structural contour maps, Yampa coal field;
- 2 Routt National Forest maps;
- 1 part of map and 1 paper map of White River National Forest.

MA-00079 Geology and mineral fuels of parts of Colorado and areas in Utah and Wyoming. Map folder with:

- 1 parchment map of Junction City area;
- 2 work sheets, and 2 paper maps of Mount Harris and Oak Creek coal field;
- 21 blueprint mine maps, Yampa coal field.

MA-00080 Geology and mineral fuels of parts of Colorado and areas in Utah and Wyoming. Map folder with:

- 1 tissue paper, 1 paper, and 1 linen sheet showing generalized columnar section;
- 1 mylar map in 3 parts and 2 paper maps of Plate 19, USGS Bulletin 1027-D;
- 1 paper, 1 tissue paper, 1 mylar, and 1 linen sheet showing logs of drill holes and stratigraphic sections.

MA-00165 Geology and mineral fuels of parts of Colorado and areas in Utah and Wyoming. Map folder with:

- 1 enlarged aerial photo each of Mount Harris, Daton Peak, Rangely (NE ¼) quadrangles, and area east of Mount Harris quadrangle.

MA-00333 Geology and mineral fuels of parts of Colorado and areas in Utah and Wyoming. Map folder with:

- 3 paper and 3 linen overlays used for Plate 19, USGS Bulletin 1027-D.

- MA-00547 Geology and mineral fuels of parts of Colorado and areas in Utah and Wyoming. Map folder with:
- 1 small linen key map;
 - 1 linen sheet showing diagrams of crude oil, columnar section, and structure of surface rocks of Tow Creek field, Colorado, and crude oil diagrams off Hogback field, New Mexico and Clemmer field, Kansas;
 - 1 linen sheet showing diagrams of crude oil, columnar sections, and structure contour maps of the Wilson Creek, Iles, and Moffat oil fields, Colorado.
- MA-02527 Geology and mineral fuels of parts of Colorado, and areas in Utah and Wyoming. Map folder with materials relating to northern Routt County:
- 2 paper maps, 3 preliminary illustrations used for Bulletin 748;
 - 8 plane-table sheets, 3 maps showing coal reserves, Yampa coal field;
 - 3 township plats, 1 plane-table sheet, 1 paper map;
- MA-02528 Geology and mineral fuels of parts of Colorado, and areas in Utah and Wyoming. Map folder with materials relating to the Yampa coal field:
- 10 plane-table sheets;
 - 1 negative print, 1 work sheet, part of Craig quadrangle;
 - 4 stratigraphic sections, Yampa coal field and Meeker quadrangle;
 - 1 index map.
- MA-02529 Geology and mineral fuels of parts of Colorado, and areas in Utah and Wyoming. Map folder with:
- 51 sheets of coal sections in the Yampa coal field.
- MA-02530 Geology and mineral fuels of parts of Colorado, and areas in Utah and Wyoming. Map folder with materials relating to Yampa coal field and Axial quadrangle:
- 36 sheets of coal analyses tables;
 - 62 sheets of coal reserve tables.
- MA-02531 Geology and mineral fuels of parts of Colorado, and areas in Utah and Wyoming. Map folder with:
- 1 linen sheet, 1 work sheet, and 2 plane-table sheets of the Beaver Creek anticline;
 - 1 linen map of Pagoda Dome;
 - 5 coal bed charts, 2 linen coal section oversheets, 1 parchment and 2 linen pieces, and 28 maps of Daton Peak quadrangle.
- MA-02532 Geology and mineral fuels of parts of Colorado, and areas in Utah and Wyoming. Map folder with:
- 1 linen contour map, 1 linen map showing locations of sections, and 9 maps of Elkhead Creek quadrangle.
- MA-02533 Geology and mineral fuels of parts of Colorado, and areas in Utah and Wyoming. Map folder with:
- 1 tissue paper map showing drill holes;

- 2 linen maps of Williams Park anticline;
- 1 linen map showing sage Creek, Williams Park, and Fish Creek anticlines;
- 19 pieces and 17 maps of Mount Harris quadrangle.

MA-02534 Geology and mineral fuels of parts of Colorado, and areas in Utah and Wyoming. Map folder with:

- 4 sheets of drill logs of Wolf Creek area;
- 1 profile, 1 legend, 1 linen map, memo, 2 sheets of drill log data of the Chimney Creek dome;
- 1 paper, 1 linen coal section sheet, 1 parchment map, 5 pieces and 11 maps of the Pilot Knob quadrangle.

MA-02535 Geology and mineral fuels of parts of Colorado, and areas in Utah and Wyoming. Map folder with:

- 27 work sheets and 5 small photo maps showing mine and drill hole data;
- 1 paper map with linen oversheet of the Crawford tract;
- 21 company drill logs, 10 township plats, 4 drill logs, and sketch of the MacGregor mine, Yampa coal field;
- 1 linen map of the Collom mine, Axial quadrangle;

MA-02536 Geology and mineral fuels of parts of Colorado, and areas in Utah and Wyoming. Map folder with:

- illustrations used for USGS Bulletin 1027-D;
- 1 line map showing contours, 14 field sheets, and 1 map of Monument Butte quadrangle;
- 1 coal sample chart, 2 paper and 1 linen sheet of drill sections, Yampa coal field;
- 8 sheets of stratigraphic sections, 1 paper and 1 linen legend, 1 linen and 1 paper index map, Northwestern Colorado.

MA-02540 Geology and mineral fuels of parts of Colorado, and areas in Utah and Wyoming. Map folder with:

- 1 linen map showing Oak Creek section of Mesa Verde Formation;
- 18 plane-table sheets with 8 on verso, Yampa coal field and Burns area, Eagle County.

Published as: U.S. Geological Survey. Bulletin 748. 1923. The Twentymile Park district of the Yampa coal field, Routt County, Colorado.

GEOLOGY OF THE GLENWOOD SPRINGS QUADRANGLE AND VICINITY, NORTHWESTERN COLORADO. 1945-1954.

NO-01097 Barnes, Harley F. Indexes in front of notebook. Aerial photo information, geologic and structure notes and sketches, measured section notes, and specimen data. Elk Springs, Glenwood Springs, Grand Hogback, and Tanks Peak

- quadrangles; Eagle and Ripple Creek lodge areas. Book I. 1948.
- NO-01098 Bass, N.W. Index in front of notebook. Geologic and stratigraphic notes and sketches, measured section data,; mine notes, and plane table data. Glenwood Springs and Grand Hogback quadrangles. Book I. 1947.
- NO-01099 Bass, N.W. Index in front of notebook. A few pages of notes on Pend Oreille Lake area, Bonner County, Idaho, and Glenwood Springs quadrangle. Data from wells, geologic and stratigraphic notes, sketches, notes on fossils, measured section, plane table data, and notes on photos taken. Book II. 1945, 1947-1948.
- NO-01100 Bass, N.W. Index in front of notebook. Photo information, geologic and stratigraphic notes and sketches, measured sections, notes on fossils, and plane table data. Glenwood Springs and Mount Harris quadrangles. Book I. 1948.
- NO-01101 Bass, N.W. Index in front of notebook. Geologic and stratigraphic notes and sketches, plane table data, notes on samples, and notes on photos taken. Elk Springs, Glenwood Springs, Grand Hogback, and Tanks Peak quadrangles, and the Eagle area. Book II. 1948-1949.
- NO-01102 Bass, N.W. Index in front of notebook. Geologic, stratigraphic, and structure notes, measured section data, plane table notes, and notes on photos taken. Aspen, Axial, Glenwood Springs, Grand Hogback, and Tanks Peak quadrangles, and Eagle and Ripple Creek areas. Book III. 1948-1949.
- NO-01103 Bass, N.W. Index in front of notebook. Geologic and stratigraphic notes and sketches, measured section data, and notes on photos taken. Glenwood Springs and Grand Hogback quadrangles. Book I. 1949.
- NO-01104 Bass, N.W. Index in front of notebook. Geologic and stratigraphic notes and sketches, measured section notes, plane table notes, and notes on photos taken. Cattle Creek, Glenwood Springs, Grand Hogback, and Tanks Peak quadrangles. Book II. 1949.
- NO-01105 Bass, N.W. Index in front of notebook. Geologic and stratigraphic notes and sketches, and notes on photos taken. Aspen, Glenwood Springs, and Grand Hogback quadrangles. Book I. 1950.
- NO-01106 Bass, N.W. Index in front of notebook. Geologic and stratigraphic notes and sketches, measured section data, and notes on photos taken. Basalt, Cattle Creek, and Glenwood Springs quadrangles, and Eagle area. Book II. 1950.
- NO-01107 Bass, N.W. Index in front of notebook. Geologic and stratigraphic notes, measured section notes, notes on photos taken, and notes on fossil localities. De Beque, Glenwood Springs, Grand Hogback, and Mt. Jackson quadrangles. Book II. 1951.

- NO-01108 Bass, N.W. Index in front of notebook. Fossil notes, geologic and stratigraphic notes, measured section notes, and notes on photos taken. Glenwood Springs, Gypsum, and Marble quadrangles. Book III. 1951.
- NO-01109 Bass, N.W. and F.D. Spencer. Index in front of notebook. Geologic and stratigraphic notes and sketches, fossil notes, measured section notes, plane table notes, notes on photos taken, and notes on the Wesley mine. Axial, Glenwood Springs, and Rangely quadrangles, and McCoy area. Book I. 1952.
- NO-01110 Bass, N.W. Index in front of notebook. Geologic and stratigraphic notes and sketches, measured section notes, and notes on photos taken. Glenwood Springs and Grand Hogback quadrangles. Book I. 1952-1953.
- NO-01111 Bass, N.W. Notes on photos taken. Glenwood Springs and Grand Hogback quadrangles. 1954.
- NO-01112 Benson, J.C. Geologic and stratigraphic notes and sketches, measured section notes, aerial photo information, notes on photos taken, mapping notes. Glenwood Springs and Grand Hogback quadrangles. 1953.
- NO-01113 Cooley, Frank G. Geologic, stratigraphic and structure notes, measured section notes, notes on fossils, notes on photos taken, and some mapping notes. Includes some notes are from publications. Glenwood Springs quadrangle. 1948.
- NO-01114 Northrop, Stuart A. Geologic and stratigraphic notes, notes on fossils, measured sections. Also, notes on samples collected. Cattle Creek, Glenwood Springs, and Grand Hogback quadrangles, and King Mountain area. Book I. 1947.
- NO-01115 Northrop, Stuart A. Notes on fossils, notes on samples collected, and measured sections. Glenwood Springs quadrangle. Book II. 1947.
- NO-01116 Northrop, Stuart A. Notes on fossils and on samples collected, and measured section notes. Glenwood Springs quadrangle. 1948.
- NO-01117 Northrop, Stuart A. Geologic and stratigraphic notes, measured sections, and notes on fossils and samples collected. Glenwood Springs and Grand Hogback quadrangles. 1951.
- NO-01118 Robeck, Raymond C. and James K. Weaver. Index in front of notebook. Geologic and stratigraphic notes and sketches, measured sections, notes of samples collected, plane table notes, and notes on photos taken. Book I. 1949.
- NO-01119 Robeck, Raymond C. Index in front of notebook. Geologic and stratigraphic notes and sketches, measured sections, notes of samples collected, aerial photo information, notes on photos taken, and conglomerate pebble count data. Book II.

- 1949.
- NO-01120 Robeck, Raymond C. Index in front of notebook. Rock descriptions, and notes on insoluble residue work. Glenwood Springs and Tanks Peak quadrangles. Book III. 1950.
- NO-01121 Spencer, Frank D. Plane table notes, and geologic cross-section by Spencer and Bass, northwest of Newcastle. Newcastle area, Grand Hogback quadrangle. 1952.
- NO-01122 Thompson, Peter .M. Geologic and stratigraphic notes and sketches, measured sections, and aerial photo information. Glenwood Springs quadrangle. 1950.
- NO-01123 Vine, James D. Index in front of notebook. Geologic and stratigraphic notes and sketches, measured sections, and plane table notes. Glenwood Springs and Grand Hogback quadrangles. Book I. 1947.
- NO-01124 Vine, James D. Descriptions of rock samples collected from Weber and Entrada exposed along the west side of South Canyon Creek. Glenwood Springs quadrangle. Book II. 1947.
- NO-01125 Vine, James D. Geologic and stratigraphic notes and sketches, measured sections, rock specimen notes, and aerial photo information. Glenwood Springs quadrangle. 1950.
- NO-01126 Weaver, James K. Geologic, stratigraphic and structure notes and sketches, notes on fossils, and aerial photo information; measured section at end of notebook. Glenwood Springs and Grand Hogback quadrangles. 1949.
- NO-01127 Weaver, James K. Geologic, stratigraphic, and structure notes and sketches, notes on mines, aerial photo information, and measured sections. Glenwood Springs and Grand Hogback quadrangles. 1950.
- NO-01128 Barnes, H.F., N.W. Bass, F. G. Cooley, J.C. Granja, R.C. Robeck, F.D. Spencer, J.D. Vine, and J.K. Weaver. Book of Stadia Tables, and 9 vertical angle books. Cattle Creek, Elk Springs, Glenwood Springs, Grand Hogback, Gypsum, and Tanks Peak quadrangles, and Eagle area. 1947-1949, 1952.
- NO-01129 Envelope with handwritten report on the Glenwood Springs quadrangle and vicinity. No date.
- NO-01130 Expandable envelope with 99 black and white, vertical aerial photographs of Glenwood Springs quadrangle and vicinity, with geologic annotations:
- CL-8: 108-126 (C 1-19);
- CL-8: 133-148 (D 5-20)
- CL-8: 187-189, 9: 23-40 (E 1-20);

- CL-8: 192-197, 9:41-48, 56-64 (F 1-19).
- NO-01131 Expandable envelope with 83 black and white, vertical aerial photographs of Glenwood Springs quadrangle and vicinity, with geologic annotations:
- CL-9: 135-147, 163 (G 1-19);
 - CL-11: 43-65 (H 0-18);
 - CL-11: 14-36 (K 0-17).
- NO-01979 Expandable envelope with:
- 3 typescripts of notes in NO-1114, NO-1115, and NO-1117;
 - typed stratigraphic sections from notebooks NO-1114 and NO-1115. 1947, 1951.
- NO-03701 Hollinger document box (5" deep) with 109 well logs.
- MA-01341 Geologic map of the Glenwood Springs quadrangle.
Map folder with:
photomosaic index for a total of 179 enlarged black and white, vertical aerial photographs in 9 wrapped packages accompanying the map folder.
All the aerial photos are annotated:
- Flight A 1-18 (CL-6: 62-79)
 - Flight B: 1-20, B-C: 17-20 (CL-5A: 18-29, 8: 60-69, 9:11-14);
 - Flight C: 1-19 (CL 8: 108-126);
 - Flight D: 1-20 (CL 8: 133-142, 145-152)
 - CL 8: 143-144
 - Flight E: 1-20 (CL 8: 187-189, 9: 23-39)
 - Flight F: 1-2, 2A, 3-19 (CL 8: 192-193, 9:40-48, 56-64);
 - Flight G: 1-19 (CL 9: 135-153);
 - Flight H: 1-18 (CL 11: 48-65);
 - Flight K: 1-17 (CL 11: 14-30).
- MA-02537 Geology of the Glenwood Springs quadrangle.
Map folder with:
- 16 plane-table sheets of areas in the Cattle Creek, Elk Springs, Glenwood Springs, and Grand Hogback quadrangles, and the Eagle area;
 - 2 sheets with sketches of the Eagle River valley.

Published as: U.S. Geological Survey. Bulletin 1142-J. 1963. Geology of Glenwood Springs quadrangle and vicinity, northwestern Colorado.

**GEOLOGY OF THE CLIFFSIDE DOME AND CHANNING AREA,
HARTLEY, MOORE, OLDHAM, AND POTTER COUNTIES, TEXAS.
1939-1941.**

- NO-02822 Notes and excerpts from reports on Carson, Hartley, Hutchinson, Ochiltree, and Potter Counties, Texas.

- NO-02823 Notes and excerpts from reports on Potter County, Texas and Pawnee, Rush, and Barton Counties, Kansas.
- MA-00522 Cliffside Dome and Channing area 1 contour map, 1 topographic map with geology added, 2 maps of part of the Cliffside structure, 1 magnetic survey index map, 1 map showing top of the Big Lime in the Channing area.

ORIGIN AND DISTRIBUTION OF BARTLESVILLE SHOESTRING SANDS GREENWOOD AND BUTLER COUNTIES, KANSAS. 1929-1939.

- NO-02846 Williamstown, Oskaloosa and Midland 7.5' quadrangles, Jefferson County, Kansas; Perry, Lawrence East, Lawrence West and Globe, 7.5' quadrangles, Douglas County, Kansas; Bendena 7.5' quadrangle, Doniphan County, Kansas; Atchison West and Atchison NE 7.5' quadrangles, Atchison County, Kansas.
- NO-02847 Lawrence East, Lawrence West, Perry and Globe 7.5' quadrangles, Douglas County, Kansas; Richland and Rossville 7.5' quadrangles, Shawnee County, Kansas, Midland 7.5' quadrangle, Jefferson County, Kansas; Manhattan 7.5' quadrangle, Pottawatomie County, Kansas; Eskridge 30' quadrangle, Wabaunsee County, Kansas; Wakefield 7.5' quadrangle, Clay County, Kansas; Eldorado and Eldorado SW 7.5' quadrangles, Butler County, Kansas.
- NO-02848 Notebook with vertical angle traverse notes book 1.
- NO-02849 Peabody and Florence 7.5' quadrangles, Marion County, Kansas; Potwin 7.5' quadrangle, Butler County, Kansas; Eureka and Emporia 7.5' quadrangles, Greenwood County, Kansas; Fredonia 30' quadrangle, Woodson County, Kansas; Marmaton 7.5' quadrangle, Bourbon County, Kansas; Erie 15' quadrangle, Neosho County, Kansas; Moran SE 7.5' quadrangle, Allen County, Kansas; McPherson 7.5' quadrangle, McPherson County, Kansas; Rush Springs and Anadarko 15' quadrangles, Grady, Caddo and Canadian Counties, Oklahoma; Dorance SW 7.5' quadrangle, Russell County, Kansas; Mapleton 7.5' quadrangle, Linn County, Kansas.
- NO-02850 Emporia and Eureka 30' and Rosalia and Beaumont 7.5' quadrangles, Greenwood County, Kansas; Grand Summit and Dexter 7.5' quadrangles, Elk and Crowley Counties, Kansas; Elmdale 7.5' quadrangle, Chase County, Kansas.
- NO-02851 Notebook with vertical angle traverse notes book 2, Thrall Kansas Pool.
- NO-02852 Emporia and Eureka 30' quadrangles, Lyon and Greenwood Counties, Kansas.

**ORIGIN AND DISTRIBUTION OF BARTLESVILLE AND BURBANK
SHOESTRING OIL SANDS IN PARTS OF OKLAHOMA AND KANSAS.
1934-1942.**

- NO-02853 12 vertical angle books for Kaw City, Hardy, Grainola, Uncas, and Charlie Creek 7.5' quadrangles, Kay County; Pawhuska 30' and Hominy 7.5' quadrangles, Osage County; Pawnee and Skedee 15' quadrangles, Pawnee County, Oklahoma.
- NO-02854 Geology, notes, samples, and cores book1 Avant, Shidler, Hominy, and New Prue 7.5' quadrangles, Osage and Nowata Counties, Oklahoma, includes a few notes on Cherokee County, Kansas.
- NO-02855 Geology, samples, photo information, columnar sections, and sketches for John Redmond 7.5' quadrangle, Coffey County; Hackney 7.5' quadrangle, Cowley County; Butler County; Elk County; Eureka 30' quadrangle, Greenwood County; Miami and Sedgewick Counties, Kansas; Rogers and Osage Counties, Oklahoma.
- NO-02856 Geology, notes, and photo information for Vinita 30' quadrangle, Craig County; Claremore 30' quadrangle, Rogers County; Pryor 30' quadrangle, Mayes County, Oklahoma, and shoestring sands beaches of South Carolina, New Jersey, Virginia, New York and Alabama.
- NO-02857 Pryor 30' quadrangle, Mayes County; Sterling and Arbuckle Hill 7.5' quadrangle, Comanche County; Denton and Rockyford 7.5' quadrangles, Grady County, Oklahoma; Angelina, Calhoun, Galveston and Jefferson Counties, Gulf coast of Texas.
- NO-02858 Geology and notes Pawhuska 30' quadrangle, Osage County, Oklahoma.
- NO-02859 Geology and notes Osage County, Oklahoma; Atlantic shoestring sands.
- NO-02860 Geology, notes, excerpt from asphalt report by Eldridge and vertical angle book for Cement 15' quadrangle, Caddo and Grady Counties; Pawhuska 30' quadrangle, Osage County; Washington County, Oklahoma.
- MA-02547 Bartlesville shoestring sands of Kansas.
Map folder with:
1 index map of Scott oil field, 3 p-t sheets of Browning pool, 1 p-t sheet of Frankhouser pool, 1 p-t sheet of Beaumont pool, 1 p-t sheet of Sallyards, 1 p-t sheet of Thrall pool, 1 p-t sheet of Elmdale and 1 p-t sheet of Grand Summit.
- MA-02548 Bartlesville and Burbank shoestring oil sands maps with 1 columnar section Dexter well, 3 ESCH structure maps, 1 p-t sheet T. 22 N., R. 18 E., Mayes County; 15 p-t sheets Osage County, 2 p-t sheets Pawnee County; 2 p-t sheets Kay County; 1 Carter Oil Company map showing Kansas-Oklahoma oil and gas pools.

MA-00549 Bartlesville and Burbank shoestring oil sands maps with 4 geologic maps Dexter Arch; 3 maps Dexter-Otto anticline, Cowley County, Kansas.

Published as: U.S. Geological Survey. Bulletin 900. 1942. Subsurface geology and oil and gas resources of Osage County, Oklahoma.

**GEOLOGIC INVESTIGATIONS IN CENTRAL AND WESTERN KANSAS
WITH SPECIAL STUDIES IN ELLIS AND HAMILTON COUNTIES. 1924-
1925.**

- NO-01354 Well logs, columnar sections and notes on stratigraphy Ellis and surrounding counties in central Kansas. Pages 1-169.
- NO-01355 Well logs, columnar sections, stratigraphic data and photo information Ellis, Hamilton and other counties in western Kansas, and Baca and Prowers Counties in Colorado. Pages 170-343.
- NO-01356 Well logs, columnar sections, stratigraphic notes, photo information, and fossil data. Pages 348-551.
- NO-01357 Well logs, columnar sections, thin section examinations, vertical angle traverse notes for central and western Kansas.
- NO-01358 Township plats showing well data for Finney, Hamilton, Hodgeman and Ness Counties.
- NO-01359 Township plats showing well data for Finney, Hodgeman, Ness, Russell and Scott Counties, Kansas and Yuma County, Colorado.
- NO-01360 Sample and fossil index for central and western Kansas.
- NO-01361 Maps, fossil reports, correspondence, well logs and miscellaneous notes for Decatur, Ellis, Finney, Graham, Lincoln, Greeley, Logan, Scott, Wallace, Gove, Rooks and Wichita Counties. Also McCracken Dome, Ash Grove anticline, Osborne quadrangle, Carneiro are also represented in these files.
- MA-02539 Geologic investigations in central and western Kansas with special studies in Ellis and Hamilton Counties.
Map folder with:
1 contour maps central Kansas, 4 maps of Kansas showing thickness of rocks and locations, 1 correlation chart, 1 township plat Hamilton County, 1 p-t sheet faulted are Ellis County, 3 geologic map Ellis and surrounding Counties, 2 reconnaissance maps western Kansas, 1 map showing thickness and attitude of salt in western Kansas, and 2 sheets columnar sections.

**CORRELATION OF BASAL PERMIAN AND OLDER ROCKS IN
SOUTHWESTERN COLORADO, NORTHWESTERN NEW MEXICO,
NORTHEASTERN ARIZONA, AND SOUTHEASTERN UTAH. 1042-1944.**

- NO-02812 Geology and notes Boundary Butte 15' quadrangle, San Juan County, Woodside 15' quadrangle, Emery County, and the Harley Dome area, Grand County, Utah; Apishapa 30' quadrangle, Las Animas County, Colorado.
- NO-02813 Well notes and sketches for Apishapa 30' quadrangle, Las Animas County; Engineer Mountain, Red Mesa, and Needle Mountain 15' quadrangles, and Ignacio 30' quadrangle, La Plata County; Needle Mountain 15' quadrangle, San Juan County; Rico 7.5' quadrangle, Dolores County, Colorado; Rattlesnake 15' quadrangle and the Purgatory Canyon 7.5' quadrangle, San Juan County; Gallup area and Thoreau 7.5' quadrangle, McKinley County; Tukumcari 30' quadrangle, Quay County, New Mexico.
- NO-02814 Geology, sketches and well samples for Ignacio 30' quadrangle, La Plata County; Needle Mountain 15' quadrangle, San Juan County, Colorado; and Rattlesnake 15' quadrangle, San Juan County, New Mexico. Book 2.
- NO-02815 Geology, well samples, notes, and excerpts from reports for Apishapa 30' quadrangle, Las Animas County; Rangely NE 7.5' quadrangle, Rio Blanco County; Ignacio 30' quadrangle, La Plata County, Colorado; Rattlesnake 15' quadrangle, San Juan County, New Mexico; Boundary Butte 15' quadrangle, San Juan County, Utah.
- NO-02816 4 vertical angle books, station numbers 1-305 for Ignacio 30' quadrangle, Engineer Mountain 15' quadrangle, La Plata County; Engineer Mountain and Needle Mountain 15' quadrangles, San Juan County, Colorado.
- NO-02817 Drillers logs, core samples and geologic notes for Dinnehotso 15' quadrangle, Apache County, Arizona; Rangely 7.5' quadrangle, Rio Blanco County, Colorado; and Carson County, Texas.
- NO-02818 Drillers logs, cores, cuts, samples, surface sections and notes for Mexican Hat 15' quadrangle, San Juan County, Utah; Shiprock and Rattlesnake 15' quadrangle, San Juan County, New Mexico; Dinnehotso 15' quadrangle, Apache County, Arizona; Soda Canyon and Red Mesa 15' quadrangles and Ignacio 30' quadrangle, La Plata County, Colorado; and Sherman County, Texas.
- NO-02819 Geologic notes, samples and excerpts from reports for Ignacio 30' quadrangle, La Plata County; Uncompahgre district, Ouray County; Daton Peak and Mt. Harris 15' quadrangles, Routt County, Colorado; La Ventana and Jemez 15' quadrangles, Sandoval County, Rattlesnake and Shiprock 15' quadrangles, San Juan County, New Mexico; and Cimarron County, Oklahoma.

- NO-02820 Geologic notes, well samples and an excerpt from a letter for Monument Butte 15' quadrangle, Moffatt County, Colorado; Dinnehotso 15' quadrangle, Apache County, Arizona; Cedar Mesa and Boundary Butte 15' quadrangles, San Juan County, Utah.
- NO-02821 Sample logs and notes for Boundary Butte 15' quadrangle and Elk Ridge 1 SW 7.5' quadrangle, San Juan County, Utah; Dinnehotso 15' quadrangle, Apache County, Arizona.
- MA-02545 Correlation of basal Permian and older rocks in southwestern Colorado, northwestern New Mexico, northeastern Arizona, and southeastern Utah.
Map folder with:
3 p-t sheets with map on verso, 1 columnar section of gas bearing Permian beds encountered in wells, 7 page report with map and sheet showing stratigraphic sections on Animas River area, and 1 columnar section of oil bearing beds of the Permian and older rocks in southwestern Colorado, northwestern New Mexico, northeastern Arizona, and southeastern Utah.
- MA-02549 Folder containing 41 well logs for the Permian and older rocks in southwestern Colorado, northwestern New Mexico, northeastern Arizona, and southeastern Utah.

Published as: U.S. Geological Survey. Oil and Gas Investigations Chart 7. 1944. Correlation of basal Permian and older rocks in southwestern Colorado, northwestern New Mexico, northeastern Arizona, and southeastern Utah.

THE ASHLAND COAL FIELD, CUSTER, POWDER RIVER AND ROSEBUD COUNTIES, MONTANA. 1923-1928.

- NO-00245 Field Notebook by Bass.
- NO-00246 Field Notebook by Bass.
- NO-00247 Field Notebook by Bass.
- NO-00248 Field Notebook by Bass, R.F. Flint, J.B. Stone and W.T. Thom.
- NO-00249 Vertical angle traverse by Bass, C.B. Hunt, G.E. Manger, N.F. Stull and H.C. Tan.
- NO-00250 Vertical angle traverse by Bass, C.B. Hunt, F.H. Kellogg and G. Newlin.
- NO-00251 Field Notebook by Bass, C.B. Hunt, N.F. Stull and H.C. Tan.

- NO-00252 Vertical angle traverse and notes by Bass, C.B. Hunt, F.H. Kellogg, T.D. Mundorf and G. Newlin.
- NO-00253 Vertical angle traverse and notes by Bass, C.B. Hunt, F.H. Kellogg and T.D. Mundorf.
- NO-00254 Field Notebook by G.E. Manger.
- NO-00255 Field Notebook by Bass, T.D. Mundorf and C.B. Hunt.
- NO-00256 Field Notebook by N.F. Stull.
- NO-00257 Field Notebook by H.C. Tan.
- MA-02526 5 maps and 28 plane-table sheets for the Ashland Coal Field, Custer, Powder River, and Rosebud Counties, Montana.

Published as: U.S. Geological Survey. Bulletin 831-B. 1932. Contributions to economic geology (short papers and preliminary reports), 1931-32, Part II, Mineral fuels. The Ashland coal field, Rosebud, Powder River, and Custer counties, Montana.

STRUCTURE CONTOUR MAP OF THE SURFACE ROCKS OF THE MODEL ANTICLINE, LAS ANIMAS COUNTY, COLORADO. 1941-1943.

- NO-02791 7 vertical angle books station nos. 1-855, and 1 triangulation book nos. 1-8 for Model Dome, Elmore and Apishapa 30' quadrangles, Las Animas County, Colorado.
- NO-02792 Geographic notes and well samples for Center Mountain and Quaker Mesa quadrangles, Garfield and Mesa Counties, and Durango and Engineer Mountain 15' quadrangles, La Plata County, Engineer Mountain 15' quadrangle, San Juan County, Timpas and Elmore 30' quadrangles, Las Animas County, Colorado; Boundary Butte 15' quadrangle, San Juan County, Utah; Potter County, Texas; Santa Rosa 7.5' quadrangle, Guadalupe County, New Mexico; Cimarron, Texas and Beaver Counties, Oklahoma.
- NO-02793 Geology, well samples and notes on wells in Oklahoma, Texas, Utah and Kansas for Elmore, Timpas and Apishapa 30' quadrangles, Las Animas County; Pueblo and Walsenburg 30' quadrangles, Pueblo County, Colorado.
- NO-02794 6 vertical angle books for Model Dome, Apishapa and Timpas 30' quadrangles, Las Animas County, Colorado, station nos. 1-469 and Red Rock Canyon section measurements 1-9 and Apishapa Canyon section measurements 1-6.
- NO-02795 Geology, notes and well samples for Elmore, Apishapa and Timpas 30' quadrangles, Las Animas County, Colorado; Eaton, Maple City, Dexter, Dexter

SW 7.5' quadrangles, Cowley County, Kansas; Flat Canyon and Sunnyside 15' quadrangles, Carbon County, northern portion of Sanpete County, Hanksville 15' quadrangle, Wayne County, and Moab area, Grand County, Utah; Taylor Springs 7.5' quadrangle, Colfax County, Pacos area, San Miguel County, Ute Creek area, Harding County, New Mexico.

NO-02796 Geology, notes, columnar and formation sketches and well samples for Elmore, Apishapa and Timpas 30' quadrangles, Las Animas County, Deadman Canyon area, Saguache County, Colorado; Gallup area, McKinley County, New Mexico.

NO-02797 4 vertical angle books station nos. 1-491, books 1-4 for Apishapa Canyon, Apishapa 30' quadrangle, Las Animas County, Colorado.

MA-00518 Structure contour map of the surface rocks of the Model anticline, Las Animas County, Colorado.
Map folder with:
2 maps showing cross sections of wells on Model anticline, 1 showing probable thickness of gas sand above water, structure contour map of top of gas sand and subsurface rocks, preliminary sketch of structure of subsurface rocks, 1 columnar section, 5 structure contour maps of the surface rocks of the Model anticline, and 1 structure contour map of the surface rocks of Apishapa Canyon Dome.

MA-02541 Surface rocks of the Model anticline, Las Animas County, Colorado.
Map folder with: 9 drillers logs of wells, 6 p-t sheets of Model anticline in Elmore and Apishapa 30' quadrangles (2 with Model anticline mapping on verso and 1 with Red Rock Canyon in Apishapa 30' quadrangle on verso), 3 p-t sheets with 1 on verso of Apishapa Canyon, Apishapa 30' quadrangle, Las Animas County, Colorado.

Published as: U.S. Geological Survey. Oil and Gas Investigation Preliminary Map 68. 1947.
Structure contour map of the surface rocks of the Model anticline, Las Animas County, Colorado.

GEOLOGY OF COWLEY COUNTY, KANSAS, AND SURROUNDING AREAS, WITH SPECIAL REFERENCE TO THE OCCURANCE OF OIL AND GAS. 1926.

NO-01350 Index, section, fossil, correlation, clay sample data, photo information and Pennsylvanian section, Kansas and Oklahoma.

NO-01351 Correlation chart, reconnaissance notes, sand screen data, section data and reading for Cowley and Rush Counties, Kansas, Osage County and north central Oklahoma, Rainbow Bend, State School, Eastman, Graham and Winfield oil pools.

- NO-01352 Plotted logs and sections, Cowley County, Kansas.
- NO-01353 Card file of well elevations in Barber, Butler, Chautauqua, Cowley, Elk, Harper, Kingman, McPherson, Reno, Rice, Sedgwick and Sumner Counties, Kansas.
- NO-02784 Field Notebook Greenwood County, Kansas.
- NO-08349 2 well logs Banner and Frontier Counties, Nebraska, structure contour map of Sedan area, Chautauqua County, Kansas, Stratigraphic section and series of contour sketches, water and sand analysis data with photos, report on Otto gas field, Cowley County, report on area west of Granite Ridge, Kansas.
- MA-00329 Geology of Cowley County, Kansas.
Map folder with:
4 maps Eastman pool, 4 maps Rainbow Bend district, 1 map Winfield pool, 1 map each for Dexter-Otto and Winfield anticlines, 1 geologic section northern Oklahoma, 1 map south Udall district showing leases Sumner and Cowley Counties, 1 map southeastern Kansas, 1 map southern Kansas and northern Oklahoma and 4 correlation maps of Kansas.
- MA-00330 Geology of Cowley County, Kansas 8 sheets showing wells and stratigraphy, 1 geologic map, and 1 negative map of Cowley County.
- MA-00519 Geology of Cowley County, Kansas 1 plane-table structural contour map of Lyon and Greenwood Counties and 1 map of the Teeter-Scott Trend in Greenwood County, Kansas.
- MA-02538 Geology of Cowley County, Kansas, and surrounding areas.
Map folder with: 1 paper p-t sheet for each of Cedarvale and Grand Summit sections, 3 cross sections and 4 maps of Cowley County, 16 township plats and 5 blueprints showing well locations, 1 map Churchill pool, blueprints of Grahamfield, Rock and Smith-Shaffer pools and Burden area showing well locations; 5 maps of Winfield district, 5 maps Leavenworth and Raytown logs, 1 blueprint Chautauqua County, 1 chart showing increase in thickness of stratigraphic section, surface structure map Falls City field, 2 maps Rainbow Bend field, and one map each of Burden, Burlingame, Eldorado, Eureka, Sedan and Wellington quadrangles.

**NOTES ON GEOLOGY AND REPORT ON NAVAJO TRIBE VRS. THE
UNITED STATES OF AMERICA. 1954-1955.**

- NO-10013 Geology notes covering Morgan and La Plata Counties, Colorado; San Juan County, New Mexico; Craig, Creek and Nowata Counties, Oklahoma.

GENERAL GEOLOGIC NOTES ON OIL SHALE, GLACIERS AND EARTHQUAKES. 1923.

NO-10014 Notebook of general geologic information on oil shale, glaciers, earthquakes and related topics.

RELATIONSHIP OF CRUDE OILS AND STRATIGRAPHY IN PARTS OF OKLAHOMA AND KANSAS. 1945-1948

- NO-02803 Tulsa Geological Society Research Committee notes on the relationship of crude oils and stratigraphy in parts of Oklahoma and Kansas.
- MA-00550 Crude oils and stratigraphy in parts of Oklahoma and Kansas.
Sketch of central Kansas showing Otis oil field; map and well logs of Lyons field; map and columnar section of Cunningham field in Kansas; 8 maps showing oil fields in Oklahoma.
- MA-02542 Relationship of crude oils and stratigraphy in parts of Oklahoma and Kansas.
Map folder with:
4 cross sections each of West Chandler, Hoyt, North Wellston, Wellston, Langston, Lucien, Polo and Billings oil fields; 2 index maps; 2 unpublished maps of pre-Mississippian rocks of Oklahoma and Kansas; 10 maps showing gas and oil pools; 24 correlation indexes of crude oil classes; 2 work sheets on Deese sands; 1 table showing factors of analysis of crude oils; 1 Carter Oil Company map; 1 graph of Pennsylvanian sands; 106 correlation indexes of oil fields in Oklahoma and Kansas.
- MA-02543 Relationship of crude oils and stratigraphy in parts of Oklahoma and Kansas.
Map folder with:
219 correlation indexes of Lindsey region, Creek County, Hunton limestone, Southend Granite, Northend Granite, Langston, Hoyt, Pennsylvanian sands, Osage County, Holdenville, Ardmore, Misener and Viola.
- MA-00328 Structure and oil possibilities of Cheyenne Bottoms area, Barton County, Kansas.
Map folder with:
1 columnar section, 10 maps cross sections of wells drilled and 1 reconnaissance geologic map of Cheyenne Bottoms area; 2 subsurface and 1 surface structure map, 1 map of oil and gas pools and 1 map showing acreage under lease by oil companies of Barton County; 5 maps of Otis-Albert area.

SUBSURFACE GEOLOGY OF THE DAKOTA SANDSTONE IN THE OIL-FIELDS OF THE DENVER BASIN, COLORADO AND NEBRASKA 1951-1957.

- NO-02806 Rocky Flats notes and info on photos plus Simpson Mine – Lafayette District, Ajax Mine – Louisville District, list of mine shafts in the area from the State Mine Inspectors Office, Leydon shaft, cost to open new mine, properties of Rocky Mountain Fuel Company, Capitol Mine and Leyden Lignite Company information on mines.
- NO-02807 Turkey Creek, Leyden Ridge, Tunnel north of Lyons, Horse Tooth Dam, South Platte and Dry Creek, Little Willow Creek, Dry Canyon and Oil Creek Canyon, McCoy area, Sterling area, New Castle area, Glenwood Canyon area, Alkali Creek, South Canyon Creek, Est Elk and Main Elk Creek area and Loveland area.
- NO-02808 Core descriptions Huey Ranch 7.5' quadrangle, Gary 7.5' quadrangle, Atwood NE 7.5' quadrangle, Wild Horse Lake 7.5' quadrangle, Padroni and Sterling North 7.5' quadrangle, Brush East 7.5' quadrangle, Atwood 7.5' quadrangle and Willard 7.5' quadrangle.
- NO-02809 Wild Horse Lake 7.5' quadrangle, Philadelphia Creek 7.5' quadrangle, Atwood Atwood NE Padroni and Wild Horse Lake 7.5' quadrangles, Judson Hills and Vallery 7.5' quadrangles.
- NO-02810 Core samples Washington and Weld Counties, and the Glenwood area Glenwood Springs 30' quadrangle.
- NO-02811 Deep holes Brush East and Round Top 7.5' quadrangles, Weld and Morgan Counties, Colorado; Core samples Atwood NE, Miller Ranch and Wiggins 7.5' quadrangles, Logan, Morgan and Weld Counties, Colorado; fossil information Logan County Colorado; cross section Atwood NE 7.5' quadrangle, Logan County, Colorado; Precambrian wells Logan County, Colorado and Duel County Nebraska.
- MA-02544 Subsurface geology of the Dakota sandstone, Denver Basin, Colorado and Nebraska. Map folder.

VERDEN SANDSTONE OF OKLAHOMA – AN EXPOSED SHOESTRING SAND OF PERMIAN AGE. 1936.

- NO-02845 Geology, notes and photo information for Grady, Stephens and Caddo Counties, Oklahoma; Miami, Neosho, Douglas and Lyon Counties, Kansas; and Archuleta County, Colorado.
- MA-00548 Verden sandstone of Oklahoma.

Subsurface structure map with type log, 1 elevation amp, 2 contour maps and 1 map showing type of sand in Cement field.

MA-04546 Verden sandstone of Oklahoma an exposed shoestring sand of Permian age.
Map folder with:
1 p-t sheet of Verden sandstone in Grady County.

CROW INDIAN RESERVATION. 1921.

NO-10025 Vertical angle traverse notebook for the Crow Indian Reservation.

TONGUE RIVER COAL FIELD 23, MONTANA. 1923.

NO-10026 Field notes for Ts. 1 N, 1 & 2 S. R 42 E and 43 E notes on wells furnished by Remick.

NO-10027 Field notes for area along Tongue River from T 1 S R 44 E Brandenburg to Wyoming – Montana boundary.

NO-10028 Field notes and levels by Bass, Flint and Stone.

NO-10029 Field notes by Torrey.

NO-10030 Vertical angle traverse book by Bass.

NO-10031 Vertical angle traverse book by Bass, Flint, Stone and Torrey.