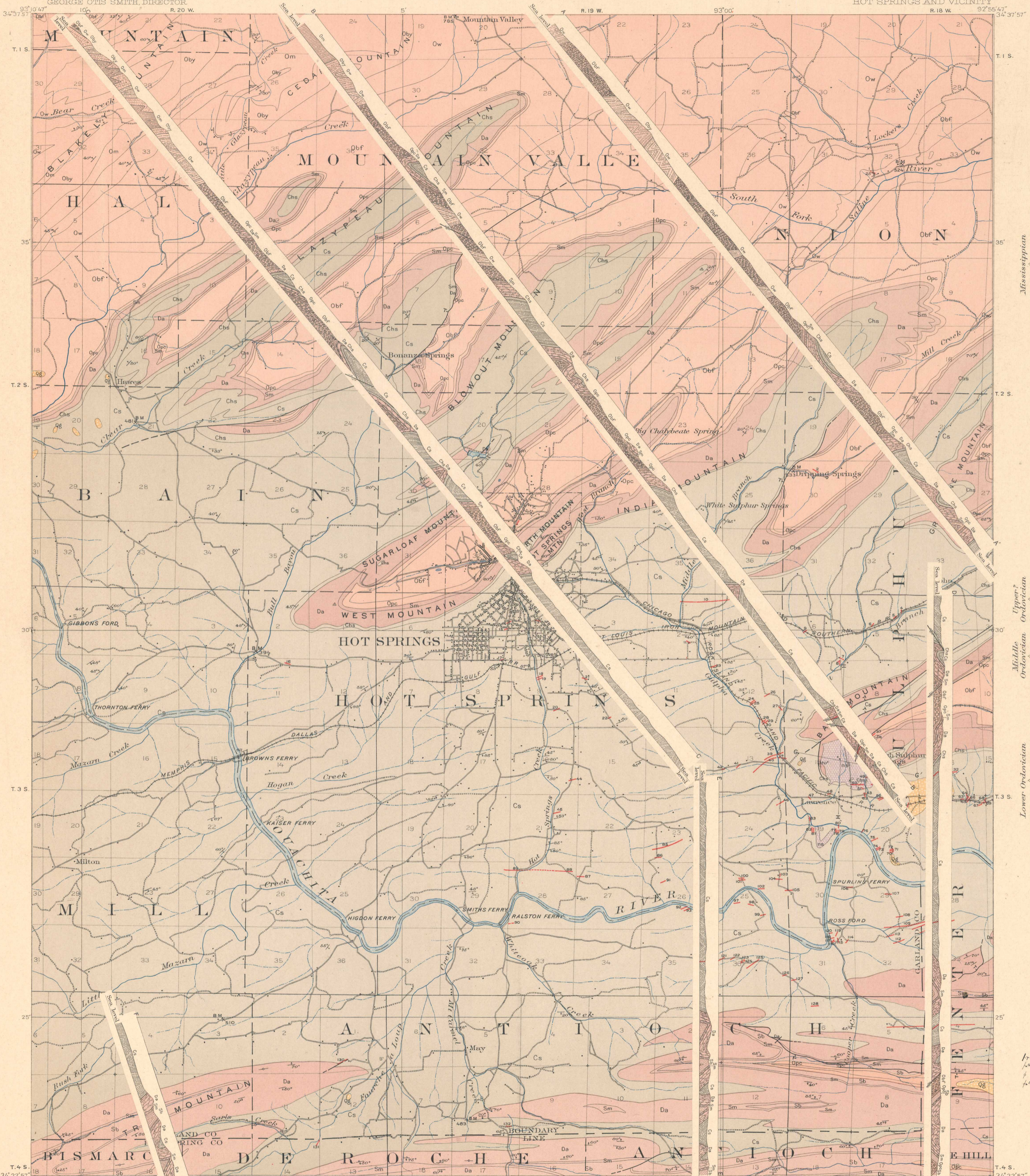


STRUCTURE SECTIONS



EXPLANATION

SEDIMENTARY ROCKS

SHEET SYMBOL SECTION SYMBOL

Og
 Tertiary gravel and wash
 (coarse gravel and sand on hills and in elevated valleys)

UNCONFORMITY

Cs Cs
 Stanley shale
 (black, fine clay shale and hard compact blue sandstone)

Chs Chs
 Hot Springs sandstone
 (hard quartzite, laminated gray sandstone, with honey-combed concretionary lenses)

UNCONFORMITY

Da Da
 Arkansas novaculite
 (upper half mostly thin-bedded novaculite and black shale; lower half massive novaculite)

UNCONFORMITY?

Sm Sm
 Missouri Mountain shale
 (gray shale, generally dark greenish blue to black, but red in many places)

UNCONFORMITY?

Sb Sb
 Blaylock sandstone
 (fine-grained gray to green sandstone and dark-colored fossiliferous sandstone with thin sandstone layers in lower part)

UNCONFORMITY?

Opc Opc
 Polk Creek shale
 (black graphitic shale in which graphitic are abundant)

UNCONFORMITY?

Obr Obr
 Bigfork chert
 (thin-bedded gray to black chert, with shaly and black shale)

UNCONFORMITY?

Ow Ow
 Womble shale
 (blue shale in alternating black and green shale and thin lenses of bluish-black limestone)

UNCONFORMITY?

Oby Oby
 Blakey sandstone
 (gray and black, black sandstone and clay shale in alternating green and black layers)

UNCONFORMITY?

Om Om
 Mazam shale
 (black and green shale in alternating layers, containing beds of thin gray sandstone and black limestone)

IGNEOUS ROCKS

ns
 Nephelite syenite
 (igneous stock or trap, are intrusive mass which cuts Carboniferous and older rocks)

24 25
 Dikes and sills of porphyritic rocks
 (rock types are given in text on back of sheet map)

FAULTS

17 Overthrust side of thrust faults
 18 Strike and dip of stratified rocks
 19 Strike of vertical strata
 20 Strike and dip of overturned strata

Note: Sections G-G' and H-H' are given in the text.

TERTIARY OR QUATERNARY

MISSISSIPPIAN

CARBONIFEROUS

DEVONIAN

SILURIAN

UPPER ORDOVICIAN

MIDDLE ORDOVICIAN

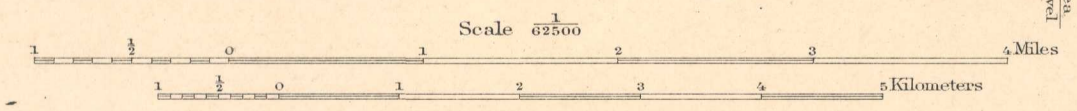
LOWER ORDOVICIAN

ORDOVICIAN

CRETACEOUS

Jno. H. Renshaw, Topographer in charge.
 Triangulation by Geo. F. Hawkins.
 Topography by Robert Muldrow.
 Surveyed in 1896.
 Partial revision in 1910-1911 by
 C. L. Sadler and F. B. Barrett.

APPROXIMATE MEAN
 RECLINATION 1911



Scale 62500
 Edition of Dec. 1922.

Geology by A.H. Purdie assisted by H.D. Miser.
 Surveyed in 1909 to 1911.