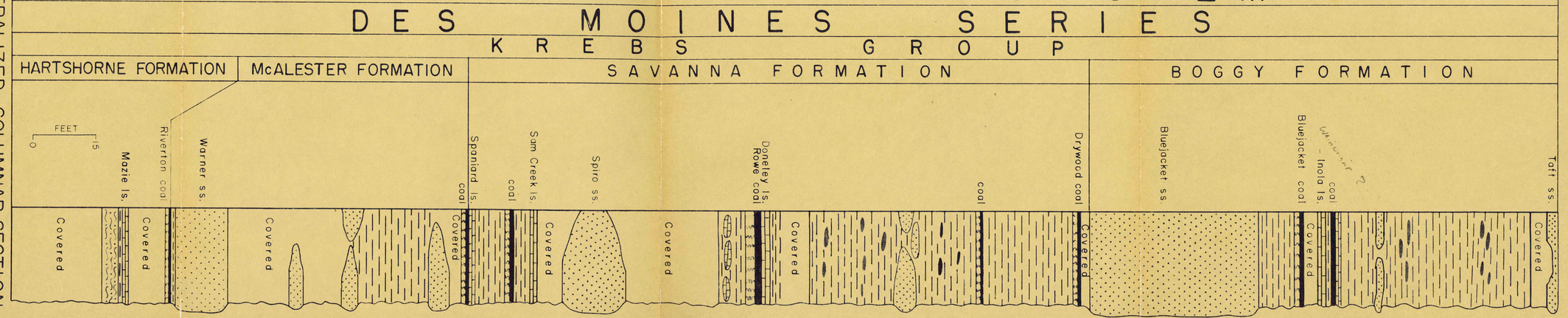
PENNSYLVANIAN SYSTEM

DES MOINES SERIES

KREBS GROUP

GENERALIZED COLUMNAR SECTION OF THE INOLA AREA

PLATE II



NODULES
LIMESTONE
COAL
UNDERCLAY
SHALE
SILTSTONE
SANDSTONE

RICHARD S STRINGER

M. S. 1959

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T 19 N

WAGONER COUNTY ROGERS COUNTY MAYES COUNTY

Verdigris River · Commodore Creek · Inola · Inola Mound · Haskell Creek · Pecan Creek · Bull Creek · Fish Creek · Brush Creek · Mazie · Kansas Texas Railroad

T 19 N

EXPLANATION

QUATERNARY SYSTEM

Qal — Alluvium
(Sand, silt and clay on flood plains of present streams.)

Qt — Terrace Deposits
(Gravel, sand, silt and clay.)

PENNSYLVANIAN SYSTEM

DES MOINES SERIES

KREBS GROUP

IPbj, IPbt, IPb, IPg, IPbi — Boggy Formation
(Consisting of sandstone, shale, limestone and coal. Top eroded and about 80 feet exposed in area. Divided into the following members: Taft sandstone [IPbt], Inola limestone [IPbi], and Bluejacket sandstone [IPbj], at the base of the formation. Contains Bluejacket and other coals.)

IPsv, IPsvss, IPsvd, IPsvsp, IPsvsc, IPsvs — Savanna Formation
(Consisting of sandstone, shale, limestone and coal. About 150 feet thick. Divided into the following members: Unnamed sandstone [IPsvss], Doneley limestone [IPsvd], Spiro sandstone [IPsvsp], Sam Creek limestone [IPsvsc], and Spaniard limestone [IPsvs], at the base of the formation. Contains Drywood, Rowe, and other coals.)

IPmss, IPm, IPmw — McAlester Formation
(Consisting of sandstone, shale and coal. About 70 feet thick. Divided into the following members: Unnamed sandstone [IPmss], and Warner sandstone [IPmw] at the base of the formation. Contains unnamed coal.)

IPhm, IPh — Hartshorne Formation
(Consisting of siltstone, shale, clay-ironstone and coal. About 40 feet thick. Contains Riverton coal and Mazie limestone [IPhm].)

ATOKA SERIES

IPa — Atoka Formation
(Consisting of sandstone and shale. Undifferentiated Atoka [IPa]. Base not exposed in area.)

Base of bed
Dot and dash where inferred
Top of bed
Limestone outcrop
Exposure of coal
U D — Fault
Dotted where concealed
Dashed where inferred
U, upthrown side
D, downthrown side
Strike and dip
Anticlinal axis
Synclinal axis

Paved road
Improved road
Trail
Railroad
U. S. Highway
State Highway
Intermittent stream
Church
School
Gravel pit
Area stripped for coal

GEOLOGIC MAP OF THE INOLA AREA

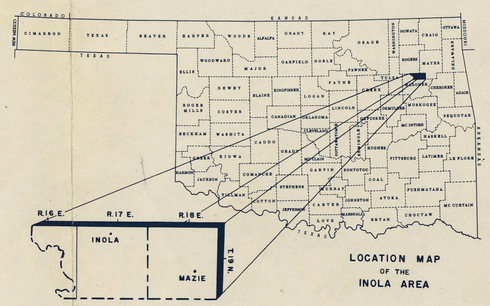
ROGERS AND MAYES COUNTIES, OKLAHOMA

by

RICHARD S. STRINGER
1959
M.S. O.U.

PLATE I

0 1/4 1/2 1 2 3
Scale in Miles



LOCATION MAP OF THE INOLA AREA