

PLATE I  
GEOLOGIC MAP  
OF THE  
**FOYIL AREA**  
ROGERS AND MAYES COUNTIES, OKLAHOMA

BY WILLIAM P. GRUMAN  
1954  
M.S. O.U.

LEGEND

SCALE

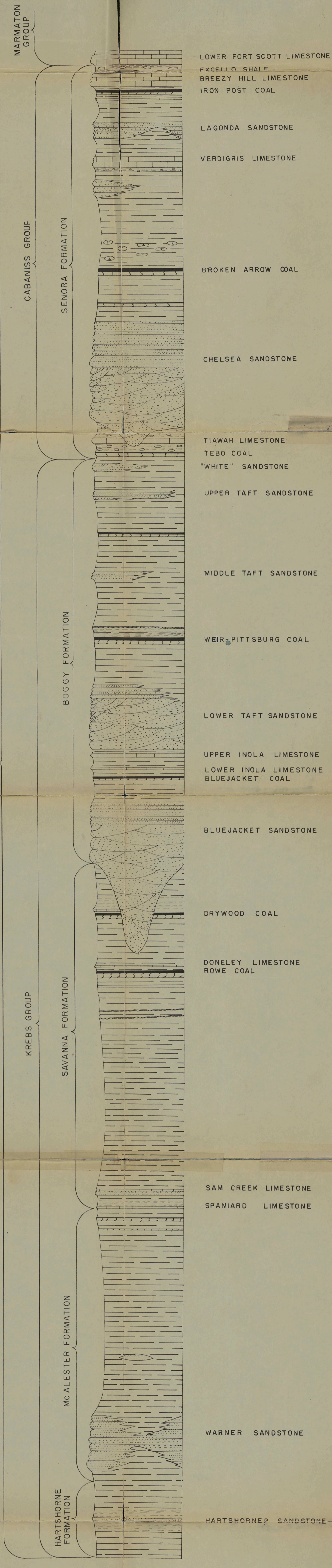
- PENNSYLVANIAN SYSTEM**
- DES MOINES SERIES**
- MARMATO GROUP**
    - LOWER FORT SCOTT LS. (Pfs) SPEC. SHOWN
  - GARNISS GROUP**
    - SENOIA FORMATION (Pss) CONTAINS BREEZY HILL, L.S. (Pss), LADONIA SS. (Pss), VERDIGRIS LS. (Pss), GILSEA SS. (Pss), AND WYMAN LS. (Pss)
    - BOON FORMATION (Psb) CONTAINS UPPER TAFT SS. (Psb), MIDDLE TAFT SS. (Psb), LOWER TAFT SS. (Psb), HOLA LS. (Psb), AND BLICKJACKET SS. (Psb)
    - SAVANNA FORMATION (Psa) CONTAINS SAN CREEK LS. (Psa), ALL SPANISH LS. (Psa) WHICH IS AT THE BASE
  - KREBS GROUP**
    - MCALESTER FORMATION (Pm) CONTAINS WANNER SS. (Pm)
    - HARTHORN SANDSTONE (Php) MAY BE PRESENT
    - ATOKA FORMATION (Pa)

- LAKE
- STREAM
- INTERMITTENT STREAM
- COUNTY LINE
- SECTION LINE
- U.S. HIGHWAY
- STATE HIGHWAY
- IMPROVED ROAD
- RAILROAD
- STRIP PIT
- WIRE ENTRANCE
- SCHOOL
- CHURCH
- CEMETERY



PENNSYLVANIAN SYSTEM

DES MOINES SERIES



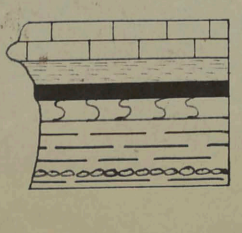
GENERALIZED SECTION  
OF THE KREBS & CABANISS  
GROUPS

**FOYIL AREA**

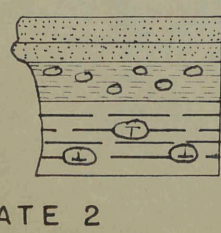
ROGERS AND MAYES COUNTIES, OKLAHOMA

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LEGEND  
SCALE (FEET)  
0 20



LIMESTONE  
BLACK FISSILE SHALE  
COAL  
UNDERCLAY  
SHALE  
CLAY IRONSTONE



SANDSTONE  
BLACK FISSILE SHALE  
CONTAINING PHOSPHATIC NODULES  
SHALE WITH CALCAREOUS AND  
SILICEOUS CONCRETIONS

210

11.1.1954

1/2 m/200

210  
010  
020  
030  
040  
050

ORANGE  
M...