



GEOLOGIC MAP OF THE DE QUEEN NW QUADRANGLE, POLK AND SEVIER COUNTIES, ARKANSAS

Geology by Boyd R. Haley and Charles G. Stone
1994

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Digital compilation by Nathan H. Taylor
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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DE QUEEN NW QUADRANGLE
ARKANSAS-OKLAHOMA
7.5 MINUTE SERIES (TOPOGRAPHIC)



Correlation of Map Units



Description of Map Units

- Ms** **Stanley Formation (Mississippian)** - The Stanley is composed predominantly of grayish-black to brownish-gray shale, with lesser amounts of thin to massive-bedded, fine-grained, gray to brownish-gray feldspathic sandstone, dark green to black tuff and black chert. Weathered shale is olive-gray, and the sandstone is generally more porous and brown. Most of the Stanley is Late Mississippian (Chesterian) as indicated by conodonts and plant fossils. The formation was deposited in a deep marine environment.
- MDa** **Arkansas Novaculite (Mississippian-Devonian)** - The Arkansas Novaculite consists of massive-bedded novaculite with gray shale at its base. The unit was deposited in a deep marine environment.

Symbols

- Contact
- Thrust Fault
- Strike and Dip
- Mine, abandoned

Mineral Commodities

- Cu Copper
- Pb Lead
- Zn Zinc

References

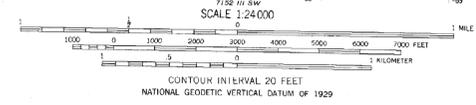
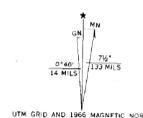
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Topography by photogrammetric methods from aerial
photographs taken 1961 and 1964. Field checked 1966
Polyconic projection. 1927 North American datum
10,000-foot grids based on Arkansas coordinate system, south zone,
and Oklahoma coordinate system, south zone.
1000-meter Universal Transverse Mercator grid ticks,
zone 15, shown in blue
Blue hatching indicates area to be submerged by De Queen Reservoir
Area covered by dashed light-blue pattern
is subject to controlled inundation
To place on the predicted North American Datum 1983
move the projection lines 7 meters south and
19 meters east as shown by dashed corner ticks



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