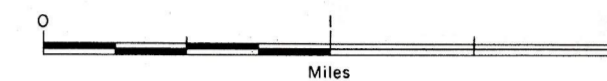


# GEOLOGIC MAP AND SECTIONS OF THE CORE OF THE OUACHITA MOUNTAINS MCCURTAIN COUNTY, OKLAHOMA

by  
William D. Pitt  
1955



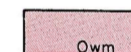
## EXPLANATION



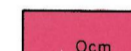
**SURFICIAL DEPOSITS**  
(Trinity sands [Lower Cretaceous],  
Quaternary terrace gravels and  
silt, and Recent stream deposits)



**BIGFORK CHERT**  
(Dark brown siltstone, black fissile  
shale, and cherty limestone)



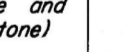
**WOMBLE AND MAZARN FORMATIONS**  
(Black fissile shale, red to green  
laminated sandstones, and dark  
gray silty limestone)



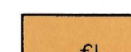
**CRYSTAL MOUNTAIN SANDSTONE**  
(Fine- to medium-grained, thick-  
bedded orthoquartzitic sandstone)



**COLLIER LIMESTONE**  
(Bluish gray, thin-bedded  
limestone interbedded with  
black fissile shale)



**COLLIER SHALE**  
(Black fissile shale)



**LUKFATA SANDSTONE**  
(Thin- to thick-bedded sandstone  
interbedded with black fissile shale  
and local thin beds of dark lime-  
stone)

Strike and dip of beds

Interbedded rock types: bedding certain

Uniform rock types: bedding fissility

Formation contacts (in order of certainty)

Excellent

Fair to good

Fair

Concealed contact

Outcrops

Paved road

Improved road

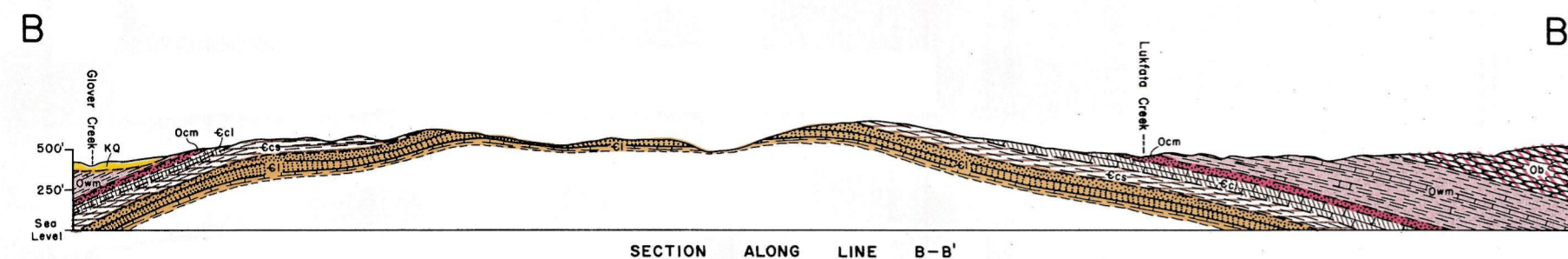
Unimproved road or trail

State highway

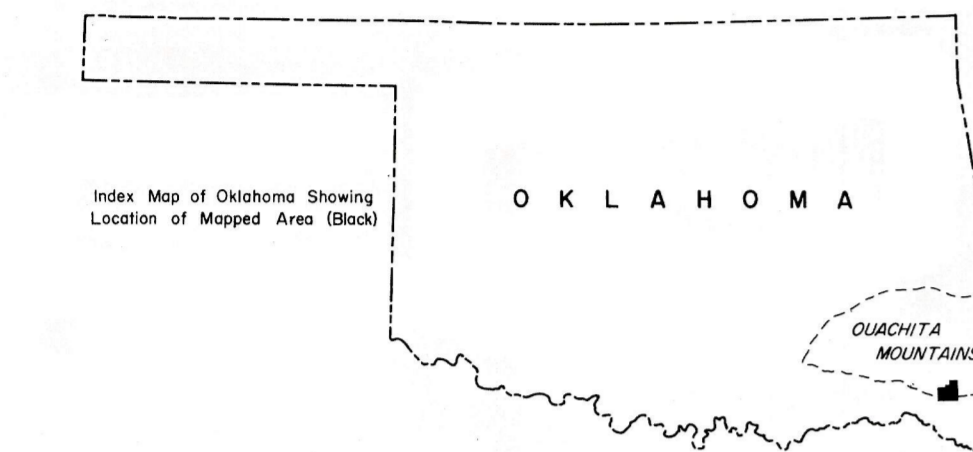
Permanent stream

Intermittent stream

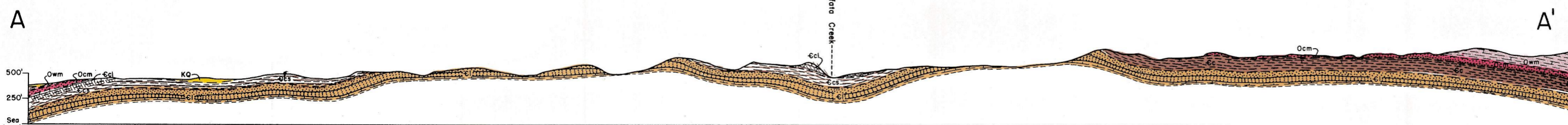
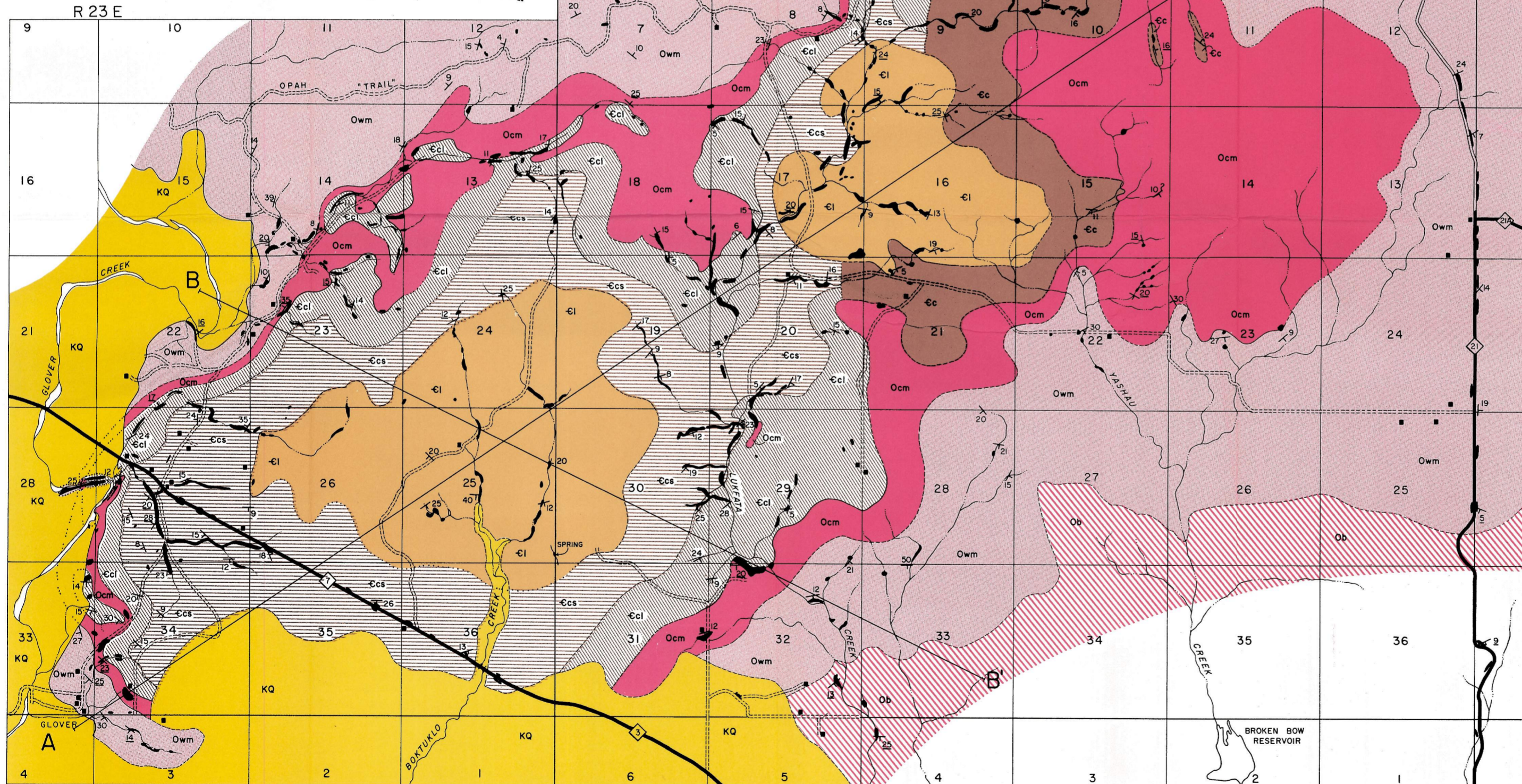
Building



SECTION ALONG LINE B-B'



Index Map of Oklahoma Showing  
Location of Mapped Area (Black)



SECTION ALONG LINE A-A'

ORDOVICIAN

CAMBRIAN (?)