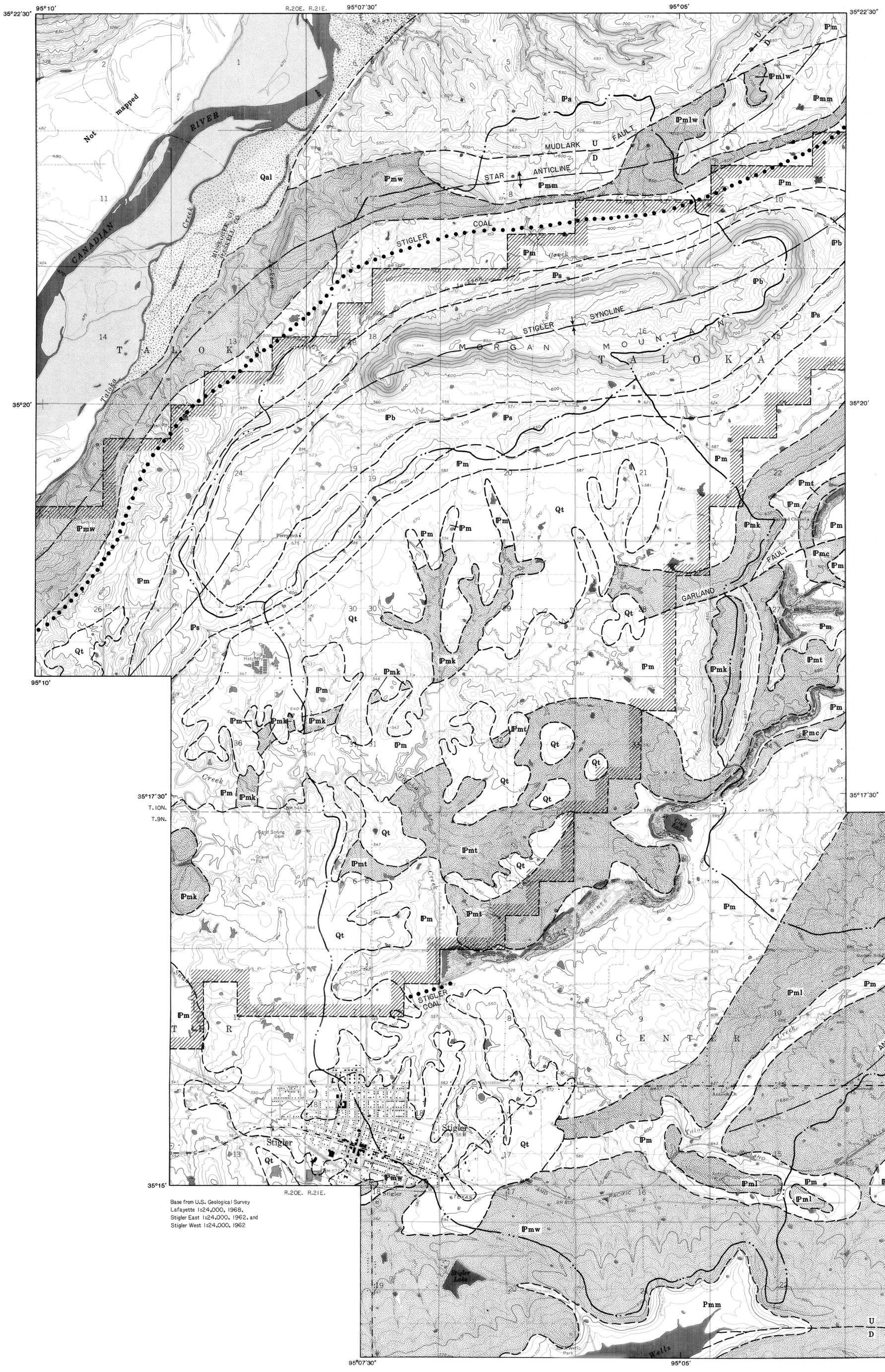
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Prepared in cooperation with the
U.S. BUREAU OF LAND MANAGEMENT

WATER-RESOURCES INVESTIGATIONS 82-4099
PLATE 1



EXPLANATION

QUATERNARY	Qal	ALLUVIUM--Sand, silt, clay, and gravel
	Qt	TERRACE DEPOSITS--Silty sand
PENNSYLVANIAN	Pb	BOGGY FORMATION--Sandstone and shale
	Ps	SAVANNA FORMATION--Sandstone and shale
	Pm	McALESTER FORMATION --Sandstone and shale
	Pmk	KEOTA SANDSTONE MEMBER
	Pmt	TAMAHA SANDSTONE MEMBER
	••••	STIGLER COAL, BED APPROXIMATELY LOCATED
	Pmc	CAMERON SANDSTONE MEMBER
	Pml	LEQUIRE SANDSTONE MEMBER
	Pmlw	LEQUIRE AND WARNER SANDSTONE MEMBERS, UNDIVIDED
	Pmw	WARNER SANDSTONE MEMBER
	Pmm	McCURTAIN SHALE MEMBER
	Pa	ATOKA FORMATION --Shale and sandstone

GEOLOGIC CONTACT, APPROXIMATELY LOCATED

AXIS OF ANTICLINE, APPROXIMATELY LOCATED

AXIS OF SYNCLINE, APPROXIMATELY LOCATED

U/D FAULT, APPROXIMATELY LOCATED--D, downthrown side; U, upthrown side

DRAINAGE DIVIDE

AREA OF FEDERALLY-OWNED COAL

Base from U.S. Geological Survey
Lafayette 1:24,000, 1968,
Stigler East 1:24,000, 1962, and
Stigler West 1:24,000, 1962

Geology modified from
Oakes and Knechtel, 1948

SCALE 1:24 000

1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 KILOMETER

CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

OKLAHOMA
QUADRANGLE LOCATION

GEOLOGIC MAP OF THE STIGLER AREA, HASKELL COUNTY, OKLAHOMA