

DIAGRAMMATIC COMPOSITE SECTION

OF THE

MIDDLE PENNSYLVANIAN ROCKS

IN

THE BEGGS AREA

OKMULGEE COUNTY, OKLAHOMA

GLEN C. LUFF

M.S., 1956

PLATE I

PLATE I GEOLOGIC MAP EXPLANATION THE BEGGS AREA GEOLOGY OKMULGEE COUNTY, OKLAHOMA (Sand, silt and clay on flood plains of the larger streams) GLEN C. LUFF M.S., 1956 INDEX MAP NELLEE BLY FORMATION

(Alternating tan, silty shales with conspicuous, buff to brown, fine-grained sandstones; sandstone and superjacent shale mapped as a unit) RIIE CREEK COUNTY RIZE TULSA COUNTY CREEK COUNTY HOGSHOOTER FORMATION (Gray to cream, sandy limestone with an upper red-brown fossiliferous limestone unit locally; mapped as a single line) (Upper and lower units of shale (Pcf-1,3) and middle unit of sand-stone (Pcf-2). Pcf-3, buff shale; mapped as a long dashed line: Pcf-2, alternating tan shaly siltstones with conspicuous buff to brown, fine-grained sandstones; sandstone and superjacent shale mapped as a unit: Pcf-1, gray-blue fissile shale with lenticular sandstone units (Pcf-la,ld,le,lf) and sandy limestone units (Pcf-lb,lc); lenticular units mapped as a single line) (Gray-blue fossiliferous limestone, shaly to the north; mapped as a line, opened to indicate good exposures) Ps-2 Coal (Upper-unit (Ps-2) principally buff to brown, fine-grained sandstone with tan to gray-blue shale overlying; unnamed coal interbedded in southward wedging gray-green silty sandstone at the base; mapped as a single unit with the coal dashed and good exposures shown as cross-hatched patches: lower unit (Ps-1) buff to brown, fine-grained sandstone with overlying tan to gray-blue shale containing a lenticular sandstone (Ps-la); chert conglomerate locally present in the basal sandstone of the formation; sandstone and shale mapped as a unit) (Gray-blue fissile shale unit containing locally prominent lenticular sandstone units (Phd-1,2,3,1,5,6,7) and a dense tan to gray-blue shaly limestone (Phd-3); Phd-3 grades from a sandstone northward to a limestone flag unit; coal unit below IPhd-3 mapped as cross-hatched patches where emposed; lenticular units mapped as a single line) THE PWK-8 Pwk-6 ---Pwk-5.--Pwk-4 tiettinas PW-3 Pwk-9 HERMAN PARTIES WEMOKA FORMATION!

(Alternating tan to gray-blue shales with conspicuous cream to dark brown, fine-grained sandstones or locally siltstones; sandstones of units Pwk-10 and Pwk-9 grade northward into mudstone flag units, the bases mapped as Pwk-10a and Pwk-9a, shown dashed where inferred; Lenapah limestone equivalent mapped as opened line between Pwk-10 and Pwk-10a; sandstone and shale mapped as a unit) CULTURE Lake with dam U S Highway Abandoned coal strip pit State Highway