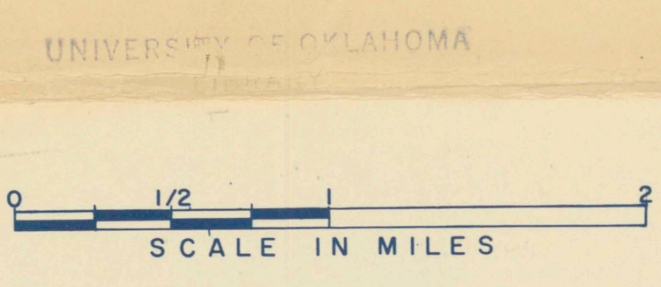


PLATE I  
 GEOLOGIC MAP  
 OF  
 THE GRAY HORSE AREA  
 OSAGE COUNTY, OKLAHOMA

DAVID G. BRYANT M.S. 1956



EXPLANATION

QUATERNARY ALLUVIUM	U.S. HIGHWAY
QUATERNARY TERRACE & EOLIAN	STATE HIGHWAY
GRENOULA FORMATION	PAVED ROAD
BURR LIMESTONE	IMPROVED ROAD
LOWER GRENOULA UNIT	RAILROAD
ROCA SHALE	ABANDONED RAILROAD BED
RED EAGLE LIMESTONE	STOCK POND
JOHNSON SHALE	INTERMITTENT STREAM
FORAKER FORMATION	COUNTY LINE
LONG CREEK LIMESTONE	CITY LIMITS
HUGHES CREEK LIMESTONE	SCHOOL
AMERICUS LIMESTONE	CHURCH
ADMIRE SHALE	FAULT
WOOD SIDING FORMATION	LINEAR
BROWNVILLE LIMESTONE	
PONY CREEK SHALE	
UNNAMED LIMESTONE	
GRAYHORSE LIMESTONE	
PLUMB SHALE	
NEBRASKA CITY LIMESTONE	
ROOT SHALE	
FRENCH CREEK SHALE	
JIM CREEK LIMESTONE	
FRIEDRICH SHALE	
STOTLER LIMESTONE	
GRANDHAVEN LIMESTONE	
WILLARD-STOTLER (DRY) SHALE	
EMPORIA LIMESTONE	
ELMONT LIMESTONE	
HARVEYVILLE SHALE	
READING LIMESTONE	
ABURN SHALE	
BERN LIMESTONE	
WAKARUSA LIMESTONE	

PERMIAN SYSTEM  
 WOLF CAMP SERIES  
 COUNCIL GROVE GROUP  
 ADMIRE GROUP

PENNSYLVANIAN SYSTEM  
 VIRGILIAN SERIES  
 WABAUNSEE GROUP

