UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

KANSAS
OKLAHOMA

R. 9 E. R. 10 E. R. 11 E.

T. 29 N.

T. 28 N.

BUCK CREEK FIELD

SOUTH ELGIN FIELD

HICKORY CREEK FIELD

BOULANGER

BOWRING

HERD

EXPLANATION FOR MAP

Colors on symbols for oil and gas wells indicate producing beds and on symbols for dry holes indicate deepest beds penetrated. Colors correspond to colors shown on columnar section. Color omitted from wells whose producing bed was not determined.

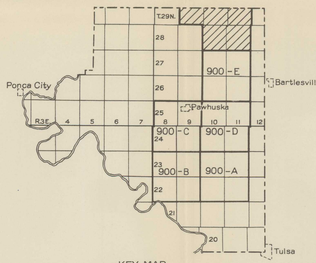
- Oil well
- Abandoned oil well
- Gas well
- Abandoned gas well
- Dry hole
- Oil well that tested the Mississippi lime but produces oil from younger beds
- Abandoned oil well that tested the Mississippi lime but produced oil from younger beds
- Oil well that tested Ordovician beds but produces oil from younger beds
- Gas well that tested Ordovician beds but produces gas from younger beds
- Abandoned oil well that tested Ordovician beds but produced oil from younger beds
- Abandoned gas well that tested Ordovician beds but produced gas from younger beds
- Oil well changed to water flood intake well
- Air or gas repressure well drilled for repressure only
- Oil well changed to air or gas repressure well
- Oil well changed to salt water disposal well

Wells in which altitudes of datum bed are unknown, owing either to lack of well log or to lack of altitude of well mouth, are indicated by a dashed line beneath the well numbers.

Structure contours. Contour interval, 20 feet. Altitudes in feet below sea level. Contours broken in areas lacking control; depression contours indicated by hachured lines. Black contours drawn on top of the Oswego lime; blue contours drawn on top of the Lenapah limestone.

LEASE OWNERSHIP AS OF DECEMBER 31, 1838
RECORDS FROM OSAGE INDIAN AGENCY

Symbol on map	Lessee
A	Barnsdall Oil Co.
B	Barnsdall Oil Co. and Indian Territory Illuminating Oil Co.
C	Barritt, Harriett S.
D	Berlin, R. I.
E	Charles Petroleum Corp.
F	Creo Oil Co., et al.
G	Denman, Clyde
H	Denman, Walter
J	Howard Petroleum Corp.
K	Indian Territory Illuminating Oil Co.
L	Jackson, L. B.,and Snedden, G. W.
M	Jennings, E. H., Bros. Co.
N	Kansas-Oklahoma Consolidated Oil Co.
P	Keener Oil & Gas Co.
Q	Latham, Harry, and Rock, F. H.
R	Oakleaf, L. R.
S	Ohio Oil Co. and Indian Territory Illuminating Oil Co.
T	Phillips Petroleum Co.
U	Reva Oil Corporation
V	Rock, F. H.,and Stephenson. M, O.
W	Ross Oil Co.
WM	Ross Oil Co. and Mosher, H. M.
WR	Ross Oil Co. and Ross, C. R.
X	Simon, D. D.
Y	Simon, A. D., and Whitescarver, J. S.
Z	Sinclair Prairie Oil Co. and Shuttlhs, A. W.
BA	Straight, Katherine H.
BB	Wah-Shah-She Oil Co.
BC	Winona Oil Co.
BD	Wiser & Forest Oil Co.



KEY MAP

Key map of Osage County, Oklahoma, showing location of areas described in this report and in Geological Survey Bulletin 900-A, B, C, D, and E.

Base map compiled from General Land Office plats
Oil and gas wells compiled from maps of Osage Indian Agency

MAP OF TOWNSHIP 28 NORTH, RANGES 10 AND 11 EAST, AND TOWNSHIP 29 NORTH, RANGES 9, 10, AND 11 EAST, OSAGE COUNTY, OKLAHOMA

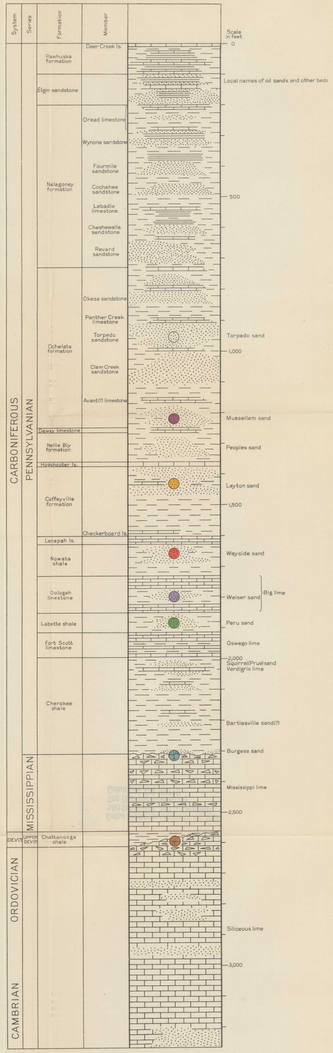
Shows the subsurface geologic structure of the top of the Oswego lime (Fort Scott limestone) in Tps. 28 and 29 N., R. 10 E., and T. 28 N., R. 11 E., and the structure of the top of the Lenapah limestone in T. 29 N., Rs. 9 and 11 E., the producing beds in oil and gas wells, the deepest rocks penetrated in dry holes, and the lease ownership as of December 31, 1938.

Miles

1940

Prepared by H. B. Goodrich, L. E. Kennedy, and Otto Leatherock.

COLUMNAR SECTION OF THE ROCKS ENCOUNTERED IN DRILLING



EXPLANATION FOR COLUMNAR SECTION

- Limestone
- Cherty limestone
- Shale
- Sandstone
- Red rock
- Unconformity

Colors in circles in columnar section correspond to colors used on map to indicate producing beds in oil and gas wells and deepest beds penetrated in dry holes.