



PLATE 2. Chart showing correlations of rocks exposed in oil fields in northwestern Greenwood county and adjacent region and key map showing locations of measured sections. Shoestring oil fields are shown in solid black on key map.

Stratigraphic classification after Moore, Elias and Newell: Kansas Geological Survey chart, 1934.

DETAILED LOCATIONS OF STRATIGRAPHIC SECTIONS

1. The highway cut in the west slope of the big hill one mile east of Elmdale, and the west-facing slopes that extend southward from the highway for three quarters of a mile: Sec. 26 and 35, T. 19 S., R. 7 E.; also the west-facing slope and gulch in the SW $\frac{1}{4}$ sec. 11, the S $\frac{1}{2}$ sec. 10, and the E $\frac{1}{2}$ sec. 9, T. 20 S., R. 7 E., three miles south of the highway.

2. The northward-trending gulch in secs. 12, 13, 24 and 25, T. 20 S., R. 9 E., five to eight miles south and two miles east of Saffordville.

3. The Browning oil pool in secs. 17, 18, 19, 20, 29 and 30, T. 22 S., R. 10 E.; particularly, the gulch in the NW $\frac{1}{4}$ sec. 17 and the NE $\frac{1}{4}$ sec. 18; the gulch south of the road in the NW $\frac{1}{4}$ sec. 21; the gulch in the SW $\frac{1}{4}$ sec. 21 and the SE $\frac{1}{4}$ sec. 20; the north-facing slopes in the N $\frac{1}{2}$ sec. 30, T. 22 S., R. 10 E.; and a gulch cut in the Wreford limestone in the SE $\frac{1}{4}$ sec. 36, T. 22 S., R. 9 E.

4. The Thrall oil pool in secs. 28, 29, 31, 32 and 33, T. 23 S., R. 10 E.; particularly, the gulches in the NW $\frac{1}{4}$ sec. 5, T. 24 S., R. 10 E., in the N $\frac{1}{2}$ sec. 33 and the S $\frac{1}{2}$ sec. 28, in the W $\frac{1}{2}$ NW $\frac{1}{4}$ sec. 27 and the E $\frac{1}{2}$ NE $\frac{1}{4}$ sec. 28, T. 23 S., R. 10 E. (lower part of the stratigraphic section). South of the Teeter oil pool, particularly in about secs. 28 and 33, T. 23 S., R. 9 E. (the upper part of the stratigraphic section).

5. The Sallyards oil pool, particularly the gulches in the E $\frac{1}{2}$ sec. 34, the S $\frac{1}{2}$ sec. 35, and much of sec. 36, T. 25 S., R. 8 E. Road cut on U. S. highway 54 in NW $\frac{1}{4}$ sec. 6, T. 26 S., R. 9 E. (Foraker limestone).

6. One mile north of 2 $\frac{1}{2}$ miles east of Beaumont; particularly the main gulch in S $\frac{1}{2}$ sec. 26, T. 27 S., R. 8 E., immediately south of state highway 96 where it descends the Flint Hills escarpment; and the gulch in the NW $\frac{1}{4}$ sec. 30, T. 27 S., R. 9 E., which is about a quarter of a mile southeast of the right angle turn to the north on highway 96.

7. The Porter oil field; both sides of the east-west road in about sec. 24, T. 29 S., R. 8 E.

8. Two miles northeast of Grand Summit station on both sides of the railroad tracks, and in the main gulch and its south-facing slopes, mostly in sec. 3, T. 31 S., R. 8 E.

9. Two miles east of the Hooser-Cambridge secondary road, in a west fork of Otter creek gulch, near the middle of the N $\frac{1}{2}$ sec. 6, T. 33 S., R. 8 E.

10. About a mile south of the Kansas-Oklahoma state boundary, in a road-cut on the Cedarvale-Foraker road, on a west fork of Ekley Canyon, about the section line between the SW $\frac{1}{4}$ sec. 16 and the NW $\frac{1}{4}$ sec. 21, T. 29 N., R. 7 E., Oklahoma.