MAP A. CONFINED PART OF AQUIFER

EXPLANATION

—300— Line of equal thickness of sandstone in confined part of Vamoosa–Ada aquifer; interval, 50 feet

Sand thickness, in feet	Transmissivity, in feet squared per day	Specific capacity, in gallons per minute per foot
0–50	0–150	0–0.4
50–100	150–300	0.4–0.8
100–200	300–600	0.8–1.5
200–300	600–900	1.5–2.2
300–400	900–1200	2.2–3.0
> 400	> 1200	> 3.0

Eastern boundary (base of Vamoosa Formation); dashed where approximate

Western boundary—Approximate limit of ground water containing more than 1,500 milligrams per liter of dissolved solids in Vamoosa–Ada aquifer projected to surface

MAP B. UNCONFINED PART OF AQUIFER

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

SECTIONIZED TOWNSHIP

LOCATION OF MAPPED AREA

EXPLANATION

—150— Line of equal thickness of sandstone in unconfined part of Vamoosa–Ada aquifer; interval, 25 feet

Sand thickness, in feet	Transmissivity, in feet squared per day	Specific capacity, in gallons per minute per foot
0–25	0–75	0–0.3
25–50	75–150	0.3–0.5
50–75	150–225	0.5–0.7
75–100	225–300	0.7–1.0
100–125	300–375	1.0–1.3
125–150	375–450	1.3–1.5
> 150	> 450	> 1.5

Eastern boundary (base of Vamoosa Formation); dashed where approximate

Western boundary—Approximate limit of ground water containing more than 1,500 milligrams per liter of dissolved solids in Vamoosa–Ada aquifer projected to surface

MAPS SHOWING AGGREGATE SANDSTONE THICKNESS, THEORETICAL TRANSMISSIVITY, AND THEORETICAL SPECIFIC CAPACITIES OF WELLS IN VAMOOSA–ADA AQUIFER, EAST-CENTRAL OKLAHOMA, 1975

Scale 1:250,000

5 0 5 10 15 20 Statute Miles

5 0 5 10 15 20 Kilometers

CONTOUR INTERVAL 100 FEET
WITH SUPPLEMENTARY CONTOURS AT 50 FOOT INTERVAL
NATIONAL GEODETIC VERTICAL DATUM OF 1929

Base from U.S. Geological Survey 1:250,000-scale series:
Ardmore, 1967, Enid, 1965, and Oklahoma City, 1968

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