UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH
KENTUCKY GEOLOGICAL SURVEY

UNIVERSITY OF KENTUCKY
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WATER-RESOURCES INVESTIGATIONS 79-53
PLATE 3

86°00'00"
37°45'00"
85°40'00"
37°32'30"

Base of limestone

Top of New Albany Shale

Elizabethtown

Dyers Spring

Gilead Spring

Morrison Spring

Star Mills Spring

Cherokee Spring

Akron Spring

St Ignatius Spring

Head Spring

Big Spring

Nolynn Spring

No flow

DRY

DUG

EXPLANATION

Area of outcrop of limestone

Area of outcrop of siltstone, limestone and shale

Area of outcrop of black shale

WATER WELLS

- Flowing artesian well
- Observation well equipped with a recorder
- Dry well
- Destroyed well
- Test hole
- Well used for domestic-water supply
- Well used for stock-water supply
- Recharge or waste-injection well
- Well used for irrigation-water supply
- Well used for industrial-water supply
- Well used for public-water supply
- Unused well

15 43 9-71 / 80 — Water level, in feet below land surface. R, reported; ?, queried where unknown. p, pumping level; Date water level measured. Depth of well, in feet below land surface. A plus after the number indicates depth is deeper than shown. Map number

SPRINGS

- Spring used for domestic-water supply
- Spring used for stock-water supply
- Spring used for irrigation-water supply
- Spring used for public-water supply
- Unused spring

0.3 / 10-71 — Discharge (Q), measured in cubic feet per second. Date measured

606.80 / 10-73 — Altitude of water surface at discharge point of spring. Datum is mean sea level. Date measured.

600 — Water level contour - Shows altitude of water level in main zone of saturation. Contour interval, 20 feet. Datum is mean sea level.

Geologic contact

BASE SOURCE:
U.S. Geological Survey Topographic 7.5' quadrangles, Scale 1:24,000, Cecilia, Elizabethtown, Nelsonville, Sonora, Tonieville, Hodgenville.

SCALE 1:48000

1 0 1 2 3 4 5 MILES

1 0 1 2 3 4 5 KILOMETERS

Wells, springs, and ground -water contours, Elizabethtown area, Kentucky.