PREPARED IN COOPERATION WITH THE COMMONWEALTH OF KENTUCKY
THE UNIVERSITY OF KENTUCKY, KENTUCKY GEOLOGICAL SURVEY
AND THE KENTUCKY DEPARTMENT OF COMMERCE

Base map compiled from U.S. Geological Survey
7½-minute quadrangle maps

SCALE 1:24 000

1 ½ 0 1 MILE

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 10 FEET

EXPLANATION

Note: well symbols may be combined on map

- Well, drilled, bored, or jetted
- Well, driven
- Well, water-level observation
- Well, chemical analyses available
- Well, log available
- Multiple well system

TYPE OF PUMP	YIELD
h Hand	e Estimated
P Power	r Reported
n None	m Measured

Well: ◊347 IP 19(6/53) 45-e220 (55)

- Aquifer, if bedrock of Pennsylvanian IP age
- Depth to water, in feet below land surface
- Month and year of water-level measurement
- Specific capacity of well (gpm/ft, drawdown)
- Yield of well, in gallons per minute. When yield is unknown, type of pump is given
- Depth of well, in feet below land surface
- Bedrock altitude, in feet above mean sea level. Underlined when well or boring is not known to extend to bedrock

Qao — Quaternary alluvium of Ohio Valley

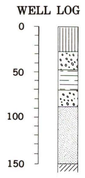
Qat — Quaternary alluvium of tributary valley

IP — Pennsylvanian bedrock

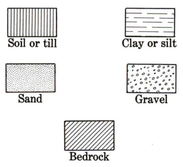
Geologic contact
Dashed where approximately located

300 — Contour on bedrock
Dashed where approximately located; contour interval 10 feet
Datum is mean sea level

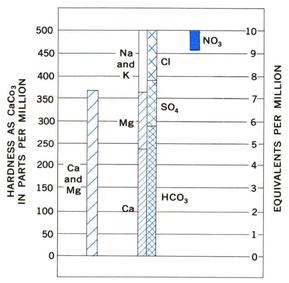
WELL LOG



LOG SYMBOLS



CHEMICAL ANALYSES



Hardness is read only to top of magnesium or sum of calcium and magnesium. When amount of nitrate is less than 10 parts per million (0.161 equivalents) it is reported as chloride. Bicarbonate and the sum of sodium and potassium are shown by dashed lines if estimated

TRUE NORTH
MAGNETIC NORTH
APPROXIMATE MEAN DECLINATION, 1964

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—1964—W63406

GEOLOGY AND HYDROLOGY OF ALLUVIAL DEPOSITS ALONG THE OHIO RIVER IN THE STANLEY AREA, KENTUCKY

By
John T. Gallaher

1964

For sale by U.S. Geological Survey, price $1.00 per set

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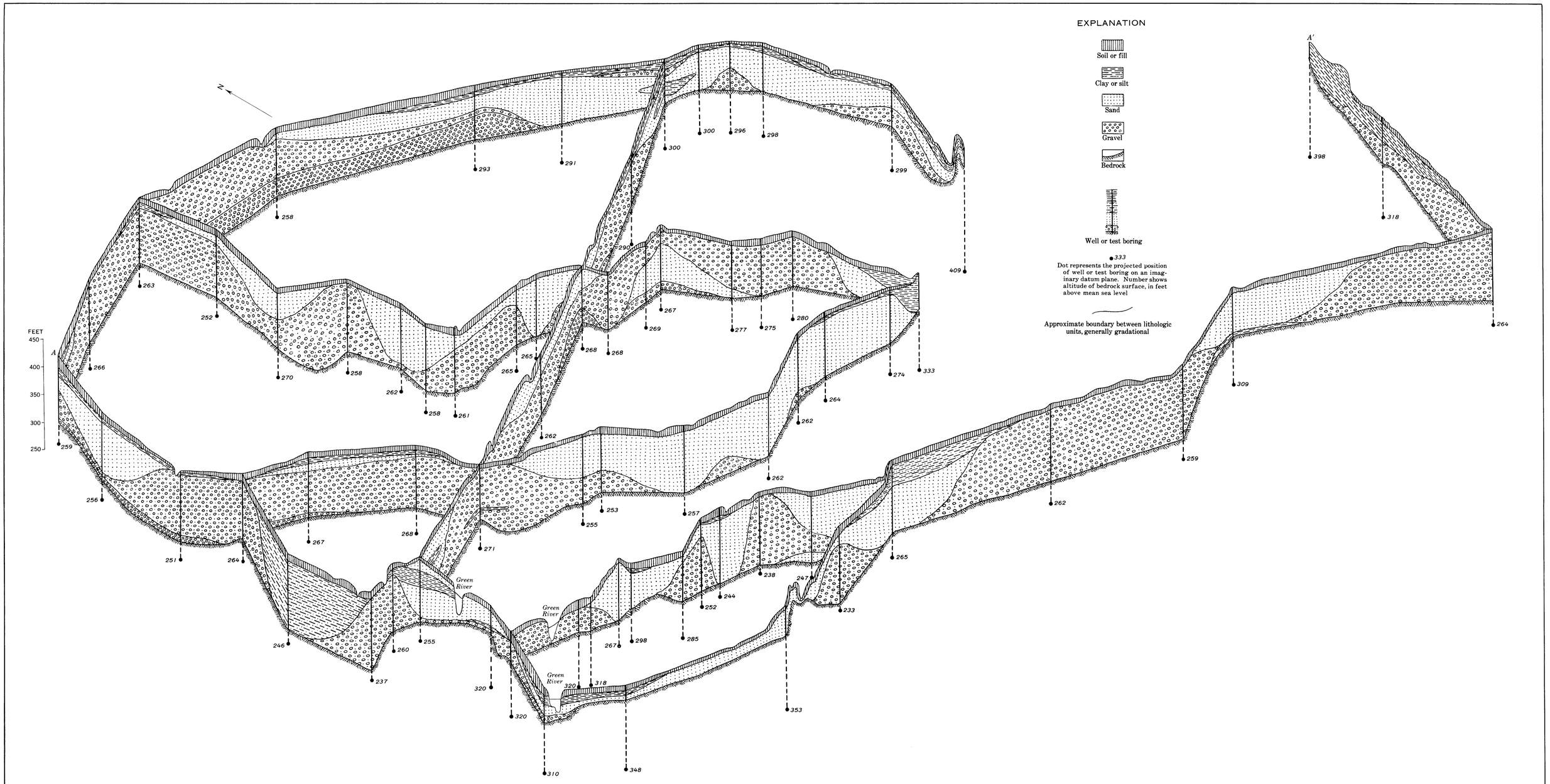

Fence Diagram *A-A'*
Isometric project at planimetric scale: 1 inch = 2000 feet
Datum plane 220 feet above mean sea level

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