

1 MILE

Production	Field	Barrels
Illinois	Beman	488,100
	Beman East	130,200
	Lawrence	7,096 ¹
Indiana	Beaman East Consolidated	152,053
Total		780,396 ²

Base map compiled by the Illinois State Geological Survey from the United States Geological Survey topographic map dated 1998. Topography compiled from imagery dated 1958 and 1962 and plane-table surveys in 1961 and 1965. Planimetry derived from imagery taken in 1987 and other sources. Photoinspected using imagery dated 1998.

North American Datum of 1927 (NAD 27) Projection: Transverse Mercator 10,000-foot ticks: Illinois State Plane Coordinate System, east zone, and Indiana State Plane Coordinate System, west zone (Transverse Mercator) 1,000-meter ticks: Universal Transverse Mercator grid system, zone 16

Recommended citation:

Huff, B.G., B. Seyler, R.J. Jacobson, A.B. Lecouris, and P.N. Irwin, 2016, Map 1-Glen Dean Formation, in Subsurface structure and petroleum drilling in the Vincennes Quadrangle, Lawrence County, Illinois and Knox County, Indiana: Illinois State Geological Survey, Illinois Geologic Quadrangle Map, IGQ Vincennes-SP, 3 sheets, 1:24,000.





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SCALE 1:24,000

BASE MAP CONTOUR INTERVAL 10 FEET

NATIONAL GEODETIC VERTICAL DATUM OF 1929

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4000 5000 6000 7000 FEET

1 KILOMETER

1000 2000 3000



Digital cartography by Jane Johnshoy Domier, Michael Widener, and Jennifer E. Carrell, Illinois State Geological Survey.

The Illinois State Geological Survey and the University of Illinois make no guarantee, expressed or implied, regarding the correctness of the interpretations presented in this document and accept no liability for the consequences of decisions made by others on the basis of the information presented here. The geologic interpretations are based on data that may vary with respect to the accuracy of geographic location, the type and quantity of data available at each location, and the scientific and technical qualifications of the data sources. Maps or cross sections in this document are not meant to be enlarged.

ROAD CLASSIFICATION

U.S. Route State Route

Light-duty road, hard or

improved surface

Unimproved road

Elevation of Top of **Glen Dean Formation**





IGQ Vincennes-SP Sheet 1 of 3

Primary highway,

Secondary highway

hard surface

hard surface



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Recommended citation:

Huff, B.G., B. Seyler, R.J. Jacobson, A.B. Lecouris, and P.N. Irwin, 2016, Map 2-Beech Creek Member of the Golconda Formation, in Subsurface structure and petroleum drilling in the Vincennes Quadrangle, Lawrence County, Illinois and Knox County, Indiana: Illinois State Geological Survey, Illinois Geologic Quadrangle Map, IGQ Vincennes-SP, 3 sheets, 1:24,000.





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Primary highway,

Secondary highway,

hard surface

hard surface

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ROAD CLASSIFICATION

U.S. Route State Route

Light-duty road, hard or

improved surface

Unimproved road



Elevation of Top of Beech Creek ("Barlow")

Member of Golconda Formation

(feet below mean sea level)

IGQ Vincennes-SP Sheet 2 of 3



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North American Datum of 1927 (NAD 27)

Projection: Transverse Mercator 10,000-foot ticks: Illinois State Plane Coordinate System, east zone, and Indiana State Plane Coordinate System, west zone (Transverse Mercator) 1,000-meter ticks: Universal Transverse Mercator grid system, zone 16

Recommended citation:

Huff, B.G., B. Seyler, R.J. Jacobson, A.B. Lecouris, and P.N. Irwin, 2016, Map 3-Ste. Genevieve Formation, in Subsurface structure and petroleum drilling in the Vincennes Quadrangle: Lawrence County, Illinois, and Knox County, Indiana: Illinois State Geological Survey, Illinois Geologic Quadrangle Map, IGQ Vincennes-SP, 3 sheets, 1:24,000.



BASE MAP CONTOUR INTERVAL 10 FEET NATIONAL GEODETIC VERTICAL DATUM OF 1929

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Geology based on subsurface geophysical log interpretation by Bryan G. Huff, Beverly Seyler, Russell J. Jacobson, and Alison B. Lecouris, Illinois State Geological Survey, and Paul N. Irwin, Indiana Geological Survey, 1996–1998.

Digital cartography by Jane Johnshoy Domier, Michael Widener, and Jennifer E. Carrell, Illinois State Geological Survey.

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IGQ Vincennes-SP Sheet 3 of 3