

THIRD-ORDER LEVELING
SEA LEVEL DATUM OF 1929

37-084-13
BEREA QUADRANGLE
120 KENTUCKY
N3730-W8415/15
DIAGRAM NJ 16-19
WINCHESTER

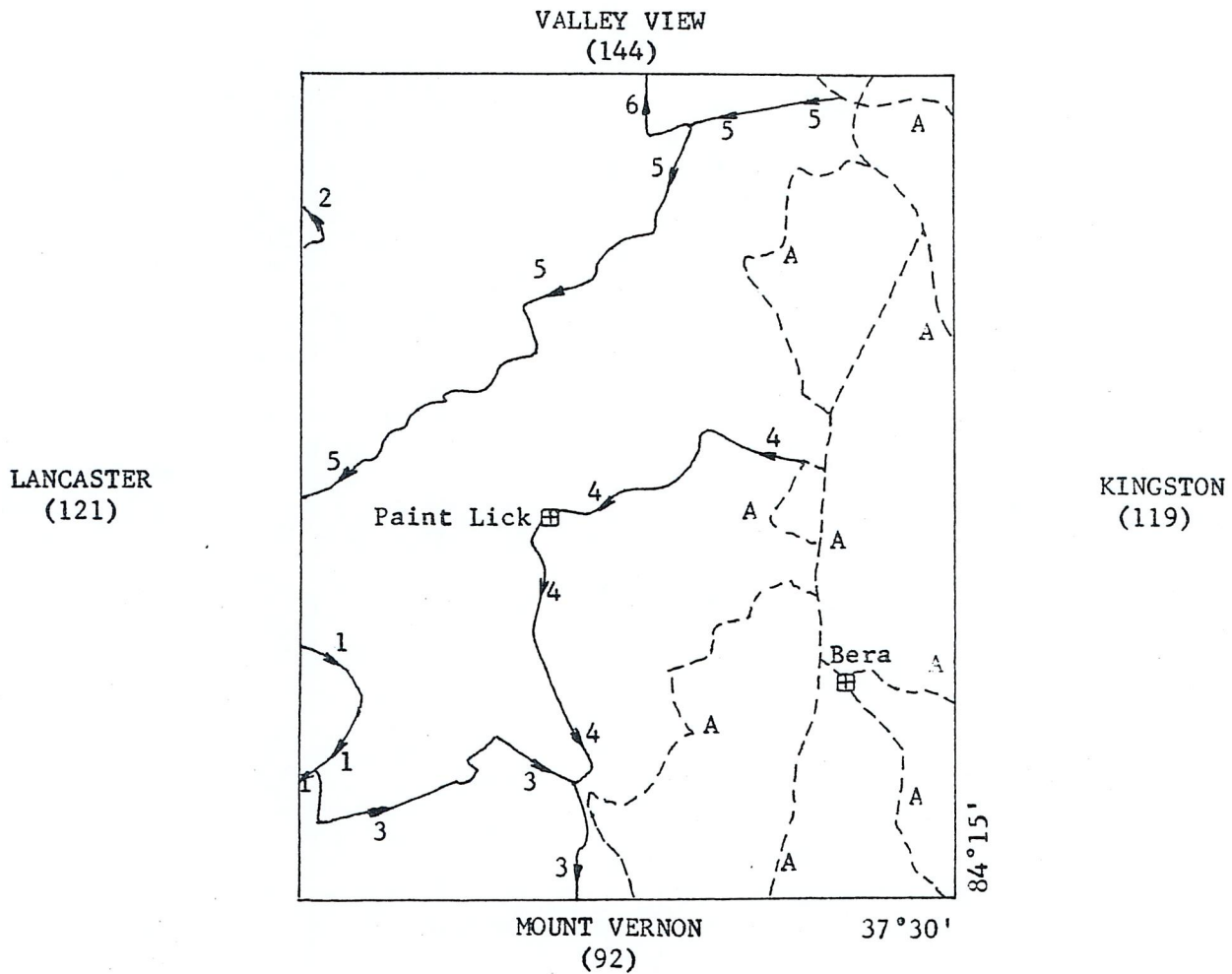
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Garrard, Lincoln, Madison,
and Rockcastle Counties

Final adjustment of 1953

Edition of 5/8/74

PR: WSM/mid



NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 370841

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LINE 1.Feet

By A. D. Pretzer, 1950; Book AV 150

Point Leavell, 0.7 mi S. of along gravel rd.; 300 ft NE. of farmhouse on hill; 28 ft E. of small drain; 23 ft. N. of wooden gate; 20 ft W. of center of rd.; in concrete post; standard tablet stamped "18 ADP 1950 929"

929.320

Point Leavell, 3.2 mi S. of along winding gravel rd.; 700 ft W. of Good Hope Church; 120 ft N. of farmhouse; 30 ft N.; 32 ft W. of, and 4 ft higher than center of rd. at Y-rd. W.; 1.5 ft S. and 19 ft E. of wooden gate; in concrete post; standard tablet stamped "19 ADP 1950 1086"

1085.619

LINE 2.

By A. D. Pretzer, 1950; Book AV 150

U.E., Buckeye, 1.4 mi SE. of; 15 ft E. and level with center of highway at curve; on top of concrete culvert; chiseled square

952.96

LINE 3.

By W. N. Runnels, 1950; Book AV 152

U.E., Preachersville, 2.3 mi. E. of; at wooden bridge over small creek; 35 ft S. and 20 ft W. of center of Y-junction of rds.; on N. end of W. concrete wingwall of bridge; chiseled square

914.37

U.E., Preachersville, 3.1 mi SE. of; at junction of rds.; 30 ft N. and 15 ft E. of E.-W. rd. at rd. NW.; on sandstone outcrop; chiseled square

975.47

Preachersville, 4.0 mi SE. of, along winding rd. to Cartersville; 140 ft S. of SW. corner of Harmony Baptist Church (locally known as Harmony Lick Church); 30 ft N. and 50 ft E. of rd. at driveway to church; in concrete post; standard tablet stamped "5 WR 1950 1020"

1019.740

Reference mark; 24 ft SE. of tablet; in root on S. side of 8-in white-oak tree; copper nail and washer

1016.32

Preachersville, 6.0 mi SE. of, along winding rd. to Cartersville; 190 ft W. of NW. corner of Broughton Store; 60 ft NE. of NE. corner of Broughton Store; 60 ft NE. of NE. corner of Pine Grove Church; 30 ft S. of, and 5 ft higher than center of rd.; 8 ft N. of 12-in white-oak fence corner tree; in concrete post; standard tablet stamped "6 WR 1950 1051"

1051.147

Cartersville, 3.0 mi W. of, along winding rd. to Preachersville; 112 ft N. of NE. corner of barn; 105 ft SW. of T-junction of rds.; 20 ft S. and 3 ft higher than center of E.-W. rd.; 11 ft W. of barnyard gate; 2 ft N. of fence; in concrete post; standard tablet stamped "7 WR 1950 988"

988.382

LINE 3 (Cont'd.)

	<u>Feet</u>
Reference mark; 75 ft NE. of tablet; in forks of 6-in wild cherry tree; copper nail and washer	985.94
Cartersville, 0.7 mi W. of, along rd to Preachersville; 15 ft S. and 25 ft W. of junction of E.-W. rd. and private driveway S. to farmhouse; 30 ft N. and 25 ft W. of center of gate; 2.5 ft W. of telephone pole; in concrete post; standard tablet stamped "8 WR 1950 1022"	1021.778
Reference mark; 30 ft NE. of tablet; 13 ft N. of center of rd.; on rock outcrop; chiseled square	1021.62
Cartersville, 1.3 mi SE. of, along rd. to Valley Church; 44 ft NW. of NW. corner of Virgil Lee Robinson Store; 34 ft N. of Y-rd. junction; 24 ft E. of small wooden bridge; 8 ft W. of 18-in forked sweet-gum tree; in concrete post; standard tablet stamped "9 WR 1950 1023"	1023.328
Reference mark; 80 ft S. of tablet, 15 ft S. of SW. corner of store; in root on NE. side of 10-in white-oak tree; copper nail and washer	1025.62
<u>LINE 4.</u>	
By W. N. Runnels, 1950; Book AV 152	
"K 39 1935" (NGS)	905.471
U.E., Whites Station, on center of W. abutment of underpass; chiseled square	925.20
U.E., Whites, 0.5 mi W. of station; at junction of Y-rds.; on NW. corner of concrete foundation of gas pump; chiseled square	968.04
Whites, 2.0 mi NW. of station along winding rd.; 140 ft NE. of NE. corner of large brick plantation house (Locally known as the Ballard Farm); 15 ft S. of center of rd.; in NE. corner of farmyard; in concrete post; standard tablet stamped "13 WR 1950 964)	963.839
Reference mark; 115 ft NW. of tablet; in root on SE. side of 14-in locust tree; copper nail	958.40
U.E., Pain Lick, 4.3 mi NE. of; 15 ft E. of center of rd.; opposite private driveway W. to farmhouse; on rock outcrop; chiseled square	956.05
Paint Lick, 4.0 mi NE. of along winding rd. to Whites Station; 1.0 mi S. and 1.2 mi E. of Buggytown; 160 ft S. of small red farmhouse; 110 ft E. of SE. corner of white farmhouse; 20 ft S. of Y-junction of N.-S. rd. and dim rd. E.; 9 ft NE. of fence corner; 6 ft S. of mailbox, in concrete post; standard tablet stamped "14 WR 1950 960"	960.174

LINE 4 (Cont'd.)Feet

Reference mark; 9 ft W. of tablet; at base of fence corner, in concrete foundation of post; chiseled square	959.22
U.E., Paint Lick, 3.2 mi NE. of; 15 ft N. of junction of rd. and private driveway to Earl Combs farmhouse; on top of SE. end of rock retaining wall; chiseled square	942.09
Pain Lick, 1.5 mi NE. of, along winding rd. to Buggytown; 15 ft SE. of rd. at junction of private drive to farmhouse; 6 ft SW. of gate; 18-in. W. of fence; in concrete post; standard tablet stamped "15 WR 1950 906"	906.045
Reference mark; 53 ft W. of tablet; in root on E. side of 36-in black-oak tree; copper nail	907.72
U.E., Pain Lick, 0.9 mi NE. of; at junction of rds. and sharp curve; 20 ft N. of and 3 ft higher than center of rd.; on concrete foundation of fence corner post; chiseled square	853.52
U.E., Paint Lick; on NW. end of concrete bridge over Silver Creek; chiseled square	815.80
Paint Lick, 0.7 mi SW. of, along State Highway 52; 200 ft NE. of NE. corner of Paint Lick High School; 32 ft W. of center of hwy.; 6 ft. SW. of fence corner post; in NE. corner of school yard; in concrete post; standard tablet stamped "16 WR 1950 902"	901.595
Reference mark; 258 ft SW. of tablet; in E. end of small concrete culvert headwall; chiseled square	906.10
U.E., Paint Lick, 1.5 mi S. of; at steel girder bridge over White Lick Creek; in S. end of W. abutment; chiseled square	830.69
Paint Lick, 2.0 mi S. of, along rd. to Cartersville; 0.8 mi S. of steel girder bridge over White Lick Creek; 160 ft SW. of Y-junction of rds.; 27 ft W. of center of main traveled rd.; 12 ft N. of corner fence post; 2 ft E. of railroad tie; in concrete post; standard tablet stamped "17 WR 1950 834"	833.813
Reference mark; 70 ft NW. of tablet; in root on S. side of 14-in sycamore tree; copper nail	833.04
U.E., Pain Lick, 2.5 mi S. of; 36 ft SW. of T-junction of rds.; on SE. wingwall of concrete bridge over White Lick Creek; chiseled square	840.51
Paint Lick, 4.6 mi SW. of, along rd. to Cartersville; 2.5 mi NW. of Cartersville; 180 ft NE. of N. concrete pier of foot-bridge over White Lick Creek; 120 ft NE. of junction of rd. and private driveway S.; opposite sharp curve in rd.; 20 ft N. of main rd.; 3 ft W. of telephone pole; in concrete post; standard tablet stamped "18 WR 1950 892"	891.976

LINE 4 (Cont'd.)Feet

Reference mark; 95 ft W. of tablet; E. end of N. headwall of small concrete culvert; chiseled square	890.60
U.E., Cartersville, 1.5 mi N. of; 15 ft W. of center of rd.; on W. end of concrete culvert headwall; chiseled square	921.47
Cartersville, 0.6 mi NE. of; 43 ft S. and 18 ft W. of NW. corner of White Lick Baptist Church; 55 ft SE. of creek; in large rock outcrop; standard tablet stamped "19 WR 1950 946 RESET 1952"	945.790
Reference mark; 200 ft NNE. of new tablet; in rock outcrop; chiseled square	941.95

LINE 5.

By W. N. Runnels, 1950; Book AV 152	
"Z 39 1935" (NGS)	948.469
U.E., Richmond, at S. edge of city limits; 140 ft SE. of Atena Service Station; 30 ft E. of center of State Highway 52; 55 ft S. of center of College Drive E.; center of N. concrete culvert headwall; chiseled square	996.33
Richmond, 2.8 mi SW. of courthouse, along Barns Mill Pike Highway to Round Hill; 85 ft SE. of SE. corner of Pond Christand Church; 150 ft NW. of NW. corner of large brick farmhouse; 25 ft N. and 58 ft W. of junction of hwy. and country rd. W.; 25 ft N. and 35 ft E. of hwy. and driveway to church; 2 ft S. of churchyard fence; in concrete post; standard tablet stamped "20 WR 1950 993"	992.857
Reference mark; 27 ft W. of tablet; on concrete base of gatepost; chiseled square	993.08
Richmond, 3.0 mi W. of, along Barns Mill Pike Highway, thence about 1.0 mi SW. along rd. to Round Hill; 70 ft SW. of Y-junction of main traveled rd. and private driveway NW. to farmhouse; 25 ft N. of right bank of small creek; 15 ft S. of center of rd.; 1 ft N. of telephone pole; in concrete post; standard tablet stamped "21 WR 1950 817"	817.036
Reference mark; 25 ft SW. of tablet; in root on N. side of 10-in sycamore tree; copper nail	814.44
U.E., Richmond, 4.8 mi SW. of; at steel girder bridge over Taylor Fork Creek; on top of coping stone on S. end of E. abutment; chiseled square	764.90
U.E., Richmond, 5.3 mi SW. of; 35 ft SW. of center of rd. opposite driveway to farmhouse; on concrete base of gatepost; chiseled square	903.66

LINE 5 (Cont'd.)

	<u>Feet</u>
Richmond, 3.0 mi W. of, along Barns Mill Pike Highway, thence 3.0 mi SW. along rd. to Round Hill; 0.4 mi NE. of steel girder bridge over Silver Creek; 20 ft E. of field rd. and gate; 20 ft N. of center of rd.; 1 ft S. of fence; in concrete post; standard tablet stamped "22 WR 1950 835"	835.488
Reference mark; 50 ft SW. of tablet; in root on E. side of 14-in. maple tree; copper nail	835.84
U.E., Richmond, 6.4 mi SW. of; at steel girder bridge over Silver Creek; top of coping stone on S. end of W. pier; chiseled square	782.61
U.E., Richmond, 7.0 mi SW. of; 28 ft SW. of center of rd. at T-rd. W.; on concrete base of fence corner post; chiseled square	940.60
Round Hill, 1.0 mi E. of, along rd. to Richmond; 750 ft E. of large white farmhouse; 15 ft S. and 15 ft W. of T-junction of E.-W. rd. and dim rd. N.; 8 ft W. of fence corner post; 1 ft S. of fence; in concrete post; standard tablet stamped "23 WR 1950 959"	959.007
Reference mark; 174 ft SW. of tablet; in root on N. side of 18-in hickory tree; copper nail and washer	959.51
U.E., Round Hill, 0.4 mi NE. of; 15 ft SE. of junction of rd. and private driveway to farmhouse; on sandstone outcrop; chiseled square	980.14
U.E., Round Hill; 50 ft SW. of Standard Oil Products gas pump; 54 ft S. of Gulf gasoline pump; 15 ft W. of T-junction of N.-S. rd. and rd. E.; on NE. corner of concrete walk to house; chiseled square	978.43
U.E., Kirksville High School; on NE. corner of first concrete step of walk leading to school; chiseled square	994.96
Kirksville, at SE. corner of Kirksville Baptist Church yard; 60 ft SE. of SE. corner of church; 30 ft W. of center of hwy; in concrete post; standard tablet stamped "24 WR 1950 994"	993.998
Reference mark; 70 ft NW. of tablet; on SE. corner of concrete step to church; chiseled square	995.81
U.E., Kirksville, 1.3 mi SW. of; 15 ft S. of center of rd. at private driveway S. to farmhouse; on NE. wingwall of small stone bridge; chiseled square	783.19
Kirksville, 2.6 mi SW. of; 2.2 mi NE. of Hackley; at steel girder bridge over Paint Lick Creek; on county line between Madison-Garrard County; in coping stone of SE. wingwall of bridge; standard tablet stamped "25 WR 1950 777" (Reported disturbed, 1954)	776.542

LINE 5 (Cont'd.)

	<u>Feet</u>
Reference mark; 37 ft SW. of tablet; on extreme SW. end of SW. wingwall of bridge; chiseled square	771.35
U.E., Hackley, 1.4 mi NE. of; 12 ft E. of center of rd.; 15 ft NE. of small wooden culvert; in rock flush with ground; chiseled square	863.87
U.E., Hackley, 1.0 mi NE. of; at rd. junction at bottom of steep hill; 40 ft E. of center of junction of rds.; SW. corner of schoolyard; top of stone retaining wall; chiseled square	896.96
U.E. Hackley, 0.7 mi NE. of; at rd. junction at top of hill; 35 ft W. of Y-junction of rds.; on N. end of small concrete culvert headwall; chiseled square	984.63
Hackley, in SE. corner of S. Rogers yard, 27 ft N. and 27.5 ft W. of center of Y-junction of rds. (new); in concrete post; standard tablet stamped "26 WR 1950 996 RESET 1954" As reset 0.250 ft lower than original B.M. by E. M. Thompson, 3/9/54	996.331
Reference mark; 118 ft E. of tablet; 15 ft S. of center of rd.; in concrete step; chiseled square	999.06
U.E., Hackley, 0.5 mi SW. of; at steel girder bridge at bottom of hill; on S. end of E. abutment; chiseled square	820.22

LINE 6.

By W. N. Runnels, 1950; Book AV 152

Richmond, 3.8 mi W. of, along Barns Mill Pike Highway; 42 ft N. and 17 ft W. of Y-rd. jct.; 20 ft N. of fence corner post; between N.-S. fence and power-line pole; in concrete post; standard tablet stamped "28 WR 1950 969"	969.000
Reference mark; 40 ft SE. of tablet; in root on N. side of 24-in hack-berry tree; copper nail	966.65
U.E., Richmond, 4.3 mi NW. of; 24 ft SW. of center of rd. junction; in concrete foundation of corner fencepost; chiseled square	971.12

R E S E T

12-10-97

BEREA QUADRANGLE
120 - KENTUCKY

RICHMOND, 3.8 MI WEST OF; 2.3 MI WEST ALONG STATE HIGHWAY 876 FROM INTERCHANGE WITH INTERSTATE 75, EXIT 87 AT RICHMOND, AT CROSSROADS, 100 FT NORTH OF CENTERLINE OF STATE HIGHWAY 876, 18 FT WEST OF CENTERLINE OF CRUTCHER PIKE, 7.8 FT NORTH OF NORTH EDGE OF CONCRETE DRIVEWAY TO ONE STORY BRICK HOUSE, SET IN TOP OF CONCRETE POST IN THE NORTHWESTERMOST CORNER OF PLANTER ON NORTH SIDE OF DRIVEWAY; A STANDARD USGS DISK STAMPED "28 WR 1950 RESET 1997"

RESET ELEVATION 970.383 FT
295.773 M

RESET BY KENTUCKY DEPARTMENT OF TRANSPORTATION
FRANKFORT, KENTUCKY
NOVEMBER 25, 1997

HORIZONTAL CONTROL
NORTH AMERICAN DATUM OF 1927

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

37-084-13
BEREA QUADRANGLE
120 KENTUCKY
N3730-W8415/15
DIAGRAM NJ 16-9
WINCHESTER

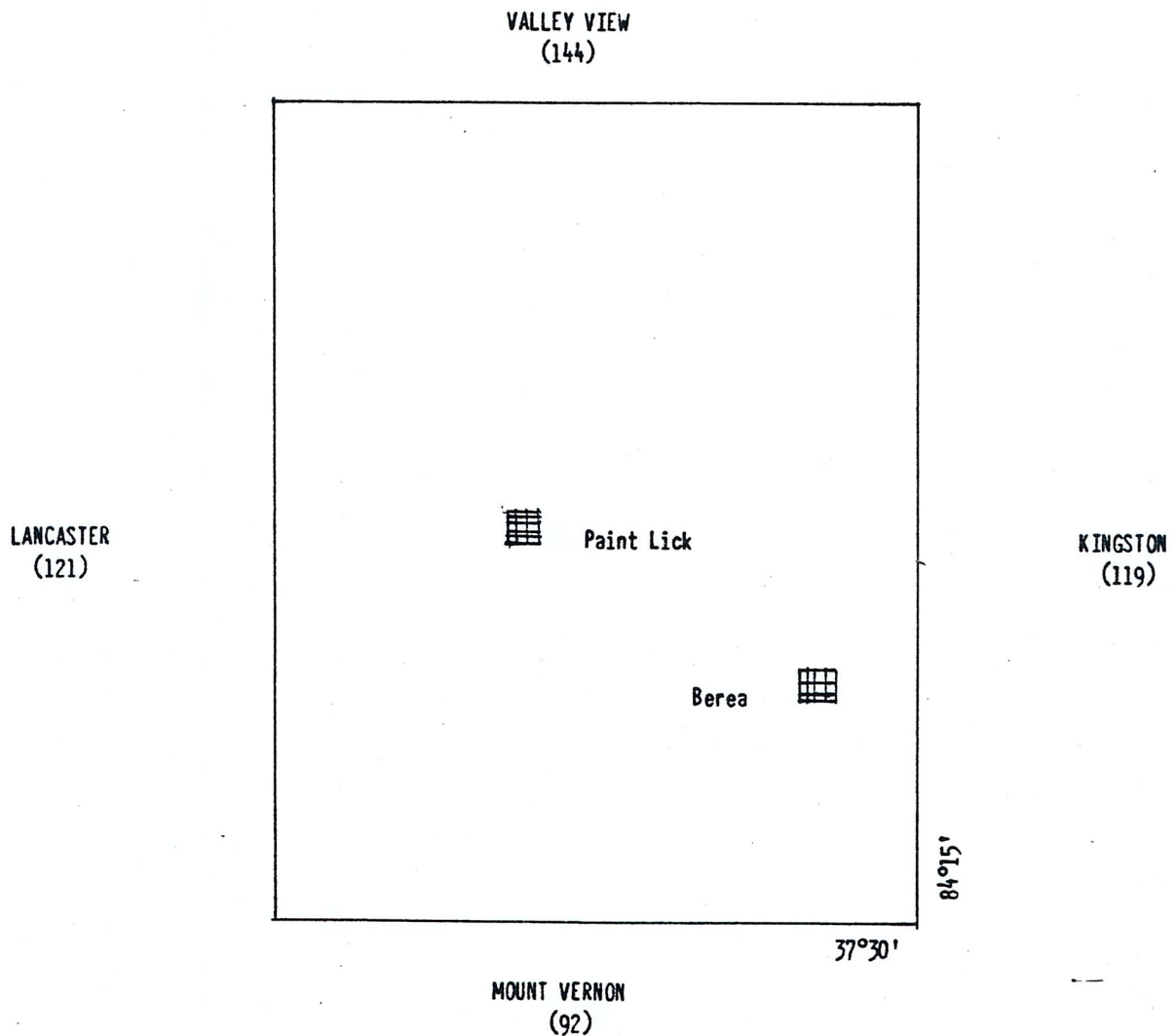
Garrard, Lincoln, Madison,
and Rockcastle Counties

Edition of 10/27/77

PR: CRV/rmm

Plane coordinates are based on Lambert
projection, Kentucky, South Zone

Only the permanent marks are
listed for control classified
obsolete and are not shown on
sketch



DISCLAIMER

We no longer attest to the validity of the positions listed for horizontal control established by transit traverse procedures. This control is now considered OBSOLETE and is included in this list for the purpose of identification only.

120 KENTUCKY
BEREA QUADRANGLE

37-084-13
N3730-W8415/15

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<u>NGS AND STATE SURVEY</u>	
263 1013.338	3

STATION	DESCRIPTION	LATITUDE	LONGITUDE
	PLANE COORDINATES, FEET	° ' "	° ' "

The following positions are considered OBSOLETE. To be used only to locate permanent marks in the field.

By J. A. Evans, 1950; Book AH 168

Berea, 1.5 mi SE. of, along Scaffold Cane Pike; 0.1 mi SE. of junction of graveled rd. NE.; 15 ft NE. of centerline of rd.; 52 ft SE. of centerline of drive to house; 36 ft SE. of fence corner; 1 ft SW. of fenceline; in concrete post; MGS and State Survey standard disk stamped "263 1013.338"

X = 2,426,710 Y = 447,506 37 33 12.01 84 16 40.80

Berea, 3.5 mi SE. of, along Scaffold Cane Pike; 1.0 mi S. of Scaffold Cane School; at curve in rd.; at foot of hill; 9 ft NE. of centerline of rd.; 150 ft N. of residence of O. T. Lake; in W. end of N. rail of small concrete bridge over small stream; standard tablet stamped "TI 42 EV 1950 1083.935"

X = 2,427,131 Y = 438,119 37 31 39.15 84 16 37.39

Berea, 4.8 mi SE. of, along Scaffold Cane Pike, thence 1.2 mi SE. along Clear Creek Pike; 1.0 mi N. of Disputanta; 9 ft E. of centerline of rd.; 150 ft SW. of residence of J. C. Ramey; in N. end of E. concrete headwall of bridge over Davis Branch; standard tablet stamped "TI 43 EV 1950 1073.656"

X = 2,433,028 Y = 428,668 37 30 04.80 84 15 26.05

Point Leavell, 0.7 mi S. of, along graveled rd.; 20 ft W. of, and level with centerline of rd.; 300 ft NE. of farmhouse on hill; 28 ft E. of small drain; 23 ft N. of wooden gate; in concrete post; standard tablet stamped "18 ADP 1950 929 IT"

X = 2,362,245 Y = 457,729 37 35 02.26 84 29 59.60

Point Leavell, 3.2 mi SE. of, along winding graveled rd.; 300 ft W. of Good Hope Church; 120 ft N. of farmhouse; 30 ft N. and 32 ft W. of, and 4 ft higher than centerline of rd. at junction of Y-rd. W.; 2 ft S. and 19 ft E. of wooden gate; in concrete post; standard tablet stamped "19 ADP 1950 1086 IT"

X = 2,370,011 Y = 448,951 37 33 34.45 84 28 24.60