BROAD BOTTOM QUADRANGLE UNITED STATES KENTUCKY DEPARTMENT OF THE INTERIOR 7.5 MINUTE SERIES (TOPOGRAPHIC) GEOLOGICAL SURVEY SE/4 HAROLD 15' QUADRANGLE 37° 37′ 30″ 357000mE 4459 || NE (THOMAS) 3**60** 35′ 32' 30" 2 940 000 FEET 480 000 (PIKEVILLE) 4458 | NE SCALE 1:24 000 7 MI. TO JUNC. U.S. 23, U.S. 119 & U.S. 460, KY. 80 ELKHORN CITY (VIA KY. 80) 20 ML Produced by the United States Geological Survey in cooperation with Kentucky Geological Survey ROAD CLASSIFICATION Primary highway, Light-duty road, hard or improved surface..... Control by USGS, NOS/NOAA and USCE 3000 4000 5000 6000 7000 FEET hard surface..... Secondary highway, Topography by photogrammetric methods from aerial photographs taken 1951. Field checked 1954. Revised from aerial photographs 1 KILOMETER 1 5 0 1 hard surface Unimproved road 89 MILS 0°57' CONTOUR INTERVAL 40 FEET Interstate Route U. S. Route State Route taken 1988. Field checked 1989. Map edited 1992 NATIONAL GEODETIC VERTICAL DATUM OF 1929 Projection and 10,000-foot grid ticks: Kentucky coordinate system, south zone (Lambert conformal conic) KENTUCKY 1000-meter Universal Transverse Mercator grid, zone 17 A.H. ROBINSON BROAD BOTTOM, KY.

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SE/4 HAROLD 15' QUADRANGLE COMPLIES WITH U.S. GEOLOGICAL SURVEY STANDARDS FOR SPATIAL ACCURACY - CLASS 2 UTM GRID AND 1992 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET 1927 North American Datum FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092 KENTUCKY GEOLOGICAL SURVEY, LEXINGTON, KENTUCKY 40506 QUADRANGLE LOCATION The difference between 1927 North American Datum and North 37082-E5-TF-024 American Datum of 1983 (NAD 83) for 7.5-minute intersections is given in USGS Bulletin 1875. The NAD 83 is shown by AND KENTUCKY DEPARTMENT OF COMMERCE, FRANKFORT, KENTUCKY 40601 DEC 2 1 1992 1992 A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST dashed corner ticks DMA 4459 II SE - SERIES V853 U.S. Depository Copy DO NOT DISCARD University of Wisconsin Madieon Johns Creek subject to controlled inundation to 686 feet Unlabeled wells are gas wells