

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

THIRD-ORDER HORIZONTAL CONTROL
North American Datum of 1927

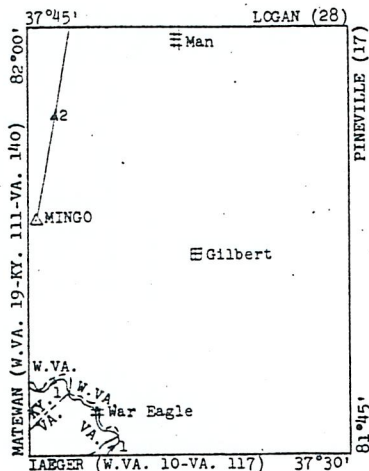
GILBERT QUADRANGLE
W. VA. 18—VA. 139—KY. 110
N3730—W8145/15

Logan, McDowell,
Mingo, and Wyoming
Counties, West
Virginia; Buchanan
County, Virginia;
Pike County, Kentucky

Edition of 2/21/58

Plane coordinates are
based on Lambert
projection, West
Virginia, South Zone,
Virginia, South Zone,
and Kentucky, South
Zone

Azimuths to reference
points are geographic
azimuths reckoned
clockwise from true
south



STATION	DESCRIPTION	PLANE COORDINATES, FEET	LATITUDE	LONGITUDE
90+	Centerline of RR. right-of-way opposite center of section gang car house W.			
W.Va.S.)	X = 1,725,589	Y = 192,916	37 31 33.44	81 56 46.38
Va.S.)	X = 1,000,815	Y = 452,454		
Ky.S.)	X = 3,102,804	Y = 456,415		
92A.	War Eagle; in NE. concrete abutment of Louisville and Nashville Railroad bridge over rd. and creek; standard tablet stamped "TT 53 CWH 1953"			
W.Va.S.)	X = 1,726,210	Y = 193,771	37 31 41.96	81 56 36.79
Va.S.)	X = 1,001,458	Y = 453,293		
Ky.S.)	X = 3,103,361	Y = 457,301		
92+	Centerline of RR. opposite center of company store NW.			
W.Va.S.)	X = 1,726,125	Y = 193,708	37 31 41.32	81 56 39.83
Va.S.)	X = 1,001,372	Y = 453,231		
Ky.S.)	X = 3,103,300	Y = 457,233		
102+	Centerline of RR. at drain			
W.Va.S.)	X = 1,723,475	Y = 194,248	37 31 46.39	81 57 12.80
Va.S.)	X = 998,737	Y = 453,841		
Ky.S.)	X = 3,100,626	Y = 457,636		
120A.	Wharncliffe; 300 ft S. of station, along N. & W. Ry.; 6 ft W. of W. rail; in W. end of W. concrete abutment of RR. bridge over creek; USC&GS standard disk stamped "C 48 1955"			
W.Va.S.)	X = 1,720,419	Y = 199,652	37 32 39.50	81 57 51.44
Va.S.)	X = 995,824	Y = 459,324		
Ky.S.)	X = 3,097,301	Y = 462,681		
121+	Centerline of RR. opposite S. end of station			
W.Va.S.)	X = 1,720,381	Y = 199,928	37 32 42.22	81 57 51.95
Va.S.)	X = 995,793	Y = 459,600		
Ky.S.)	X = 3,097,248	Y = 463,154		
131+	Centerline of RR. at drain			
W.Va.S.)	X = 1,715,715	Y = 199,482	37 32 37.33	81 58 49.61
Va.S.)	X = 991,117	Y = 459,277		
Ky.S.)	X = 3,092,612	Y = 462,474		
147.	Glen Alum; 250 ft SE. of N. & W. Ry. water tank; 19 rails E. of station; 7 rails W. of tunnel entrance; 9 ft S. of S. rail; in W. concrete abutment of RR. bridge over Alum Creek; USC&GS standard disk stamped "Z 47 1935". Azimuth to finial of water tank 250 ft distant: 143°44'50"			
W.Va.S.)	X = 1,711,337	Y = 199,175	37 32 33.64	81 59 44.12
Va.S.)	X = 986,733	Y = 459,085		
Ky.S.)	X = 3,088,256	Y = 461,047		

INDEX OF PERMANENT MARKS

MARK (USGS)	PAGE NO.	LINE NO.	STA. NO.
TT 52 CWH 1953	1	1	70
TT 53 CWH 1953	1	1	92A
MINGO 1957	1	2	
USC&GS			
MINGO 1933	1	2	
Z 47 1935	1	1	147
C 48 1935	1	1	120A
E 48 X 1935	1	1	79

STATION	DESCRIPTION	LATITUDE	LONGITUDE
PLANE COORDINATES, FEET		"	"

LINE 1. (Taped distances)

C. W. Haas, 1953; Book AH 316 a

61+. Centerline of rd. at bridge SW. across creek

W.Va.S.)	X = 1,728,450	Y = 185,723	37 30 22.62	81 56 09.97
Va.S.)	X = 1,003,485	Y = 445,189		
Ky.S.)	X = 3,106,024	Y = 449,377		

66+. West end of bridge over Tug Fork

W.Va.S.)	X = 1,730,240	Y = 185,332	37 30 28.81	81 55 47.83
Va.S.)	X = 1,005,291	Y = 445,750		
Ky.S.)	X = 3,107,761	Y = 450,075		

69+. Center of Norfolk and Western Railway bridge over rd. and creek at McDowell-Mingo County line

W.Va.S.)	X = 1,731,084	Y = 187,483	37 30 40.28	81 55 37.50
Va.S.)	X = 1,006,165	Y = 446,879		
Ky.S.)	X = 3,108,506	Y = 451,267		

70. Mohawk, 1.0 mi NW. of; 30 ft N. of McDowell-Mingo County line; midway between two tracks of Norfolk and Western Railway; in N. concrete abutment of RR. bridge over rd. and creek; standard tablet stamped "TT 52 CWH 1953 931". Azimuth to N. gable of house 200 ft distant: 77°03'55"

W.Va.S.)	X = 1,731,105	Y = 187,503	37 30 40.48	81 55 37.24
Va.S.)	X = 1,006,187	Y = 446,989		
Ky.S.)	X = 3,108,587	Y = 451,288		

79. War Eagle, 1.6 mi SE. of station, along N. & W. Ry.; 0.4 mi S. of milepost N433; 14 ft W. of W. rail; 85 ft NE. of "Alnwick" flag stop sign; 26 ft S. of semaphore 4337; 8 ft S. of power and telephone pole; at catenary bridge 200; in rock ledge; USC&GS standard disk stamped "E 48 X 1935"

W.Va.S.)	X = 1,728,453	Y = 190,176	37 31 06.64	81 56 10.50
Va.S.)	X = 1,003,605	Y = 449,640		
Ky.S.)	X = 3,105,803	Y = 453,823		

120A. Wharncliffe; 300 ft S. of station, along N. & W. Ry.; 6 ft W. of W. rail; in W. end of W. concrete abutment of RR. bridge over creek; USC&GS standard disk stamped "C 48 1955"

W.Va.S.)	X = 1,720,419	Y = 199,652	37 32 39.50	81 57 51.44
Va.S.)	X = 995,824	Y = 459,324		
Ky.S.)	X = 3,097,301	Y = 462,681		

121+. Centerline of RR. opposite S. end of station

W.Va.S.)	X = 1,720,381	Y = 199,928	37 32 42.22	81 57 51.95
Va.S.)	X = 995,793	Y = 459,600		
Ky.S.)	X = 3,097,248	Y = 463,154		

131+. Centerline of RR. at drain

W.Va.S.)	X = 1,715,715	Y = 199,482	37 32 37.33	81 58 49.61
Va.S.)	X = 991,117	Y = 459,277		
Ky.S.)	X = 3,092,612	Y = 462,474		

147. Glen Alum; 250 ft SE. of N. & W. Ry. water tank; 19 rails E. of station; 7 rails W. of tunnel entrance; 9 ft S. of S. rail; in W. concrete abutment of RR. bridge over Alum Creek; USC&GS standard disk stamped "Z 47 1935". Azimuth to finial of water tank 250 ft distant: 143°44'50"

W.Va.S.)	X = 1,711,337	Y = 199,175	37 32 33.64	81 59 44.12
Va.S.)	X = 986,733	Y = 459,085		
Ky.S.)	X = 3,088,256	Y = 461,047		

/Enters Matewan quadrangle/

LINE 2. (Electronic distances)

A. A. Shands, 1961; Book AH 698 a

USC&GS standard triangulation station disk stamped "MINGO 1933"

W.Va.S.)	X = 1,712,326	Y = 234,788	37 38 26.028	81 59 36.587
Va.S.)	X = 988,657	Y = 494,659		

Logan, 16.5 mi SW. of, along State Highway 2 to junction of U. S. Highway 52E., thence 0.7 mi along Highway 52 to sign "Horse Pens Fire Tower" and end of truck travel; take steep trail to top of ridge, thence 0.6 mi E. along ridge; 3 ft SSW. of approximate center of lookout tower; in drill hole in concrete foundation for steps to lookout tower; standard tablet designated "MINGO 1957"

W.Va.S.)	X = 1,712,309	Y = 234,787	37 38 26.013	81 59 36.795
Va.S.)	X = 988,640	Y = 494,658		

/Enters Logan quadrangle/

18 W. VA. - 139 VA. - 110 KY.
 GILBERT QUADRANGLE
 WITH OVEREDGE

N3730-W8145/15
 W.VA. - VA. - KY.

GILBERT QUADRANGLE
 WITH OVEREDGE

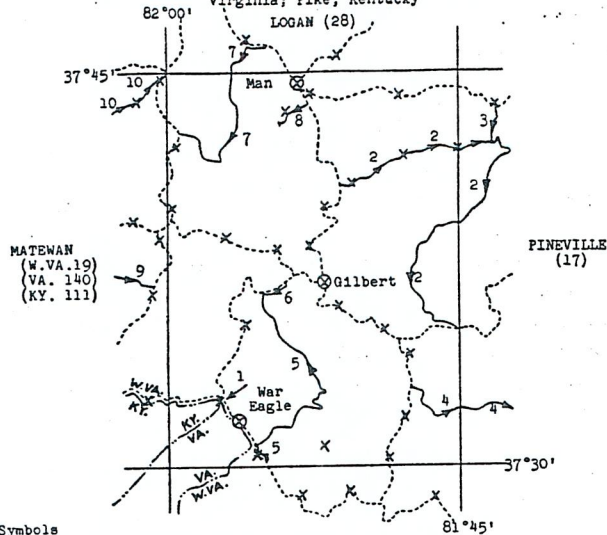
N3730-W8145/15
 W.VA. - VA. - KY.

UNITED STATES DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

Third-order leveling by H. Wood, 1896; T. A. Green, 1909; J. H. Wilson, 1909; S. E. Taylor, 1910; C. W. Arnold, 1911; C. A. Turner, 1936; R. H. Paine, 1959

Fieldbooks: AV 805 a, b, c, d, h
 Bench Mark Books: Bull. 632, B6656, AV 806 a
 UNADJUSTED FIELD ELEVATIONS
 SEA LEVEL DATUM OF 1929

Counties: Logan, McDowell, Mingo, Wyoming, West Virginia; Buchanan, Virginia; Pike, Kentucky



Symbols
 X USGS prior to 1916 IAEGER (W.VA. -10-VA. 117)
 — USGS
 - - - - - USC&GS
 - - - - - State Line

INDEX OF PERMANENT MARKS

MARK (USGS)	PAGE NO.	MARK (USGS)	PAGE NO.
USGS 725	6	74 RHP 1959 2462	13
USGS 727 FT BM	3	75 RHP 1959 1755	14
USGS 728 FT BM	3	76 RHP 1959 1320	15
776 W VA 1909	3	77 RHP 1959 1154	16
780 W VA 1909	3	78 RHP 1959 1075	17
USGS 792 FT BM	7	79 RHP 1959 1004	17
USGS 808	3	80 RHP 1959 1033	19
814 W VA 1909	3	81 RHP 1959 1114	21
825	4	82 RHP 1959 1107	23
832	3,7	83 RHP 1959 1162	24
USGS 854 FT BM	3	84 RHP 1959 1278	25
859 W VA 1909	3	88 RHP 1959 1036	27
875	4	89 RHP 1959 1300	28
912	6	90 RHP 1959 1836	29
927	5	91 RHP 1959 1215	30
937 W VA 1909	6	92 RHP 1959 1129	31
944	4	93 RHP 1959 805	33
947 W VA 1909	6	94 RHP 1959 1024	34
960	4	95 RHP 1959 1168	35
996	6	96 RHP 1959 1390	36
1002 W VA 1909	5	97 RHP 1959 1203	37
1020	4	98 RHP 1959 925	39
1048	4	142 RHP 1959 957	40
1050	4		
1057	5	USC&GS	
1068	3	Z 34 1935	38
1070	5	A 35 1935	40
1108 W VA 1909	4	B 45 1935	20
1187	5	M 45 1935	32
1212 W VA 1909	6	N 45 1935	32
1269 W VA 1909	6	D 48 1935	7
1333 W VA 1909	5	F 48 1935	26
1496 W VA 1909	7	G 161 1957	39
1505 W VA 1909	4	G 162 1957	7
1582	6	U 162 1957	31, 32
TT 52 CWH 1953 931	26	W 162 1957	32
70 RHP 1959 908	8	M 162 1957	38
71 RHP 1959 1097	9	K 176 1958	22
72 RHP 1959 1356	11	Y 176 1958	20
73 RHP 1959 2022	12		

3 GILBERT W. VA. - VA. - KY.

ISOLATED BENCH MARKS ESTABLISHED PRIOR TO 1916 (Bull. 632)
 Work prior to 1916 not adjusted to Sea Level Datum of 1929.
 Man, 0.25 mi above mouth of Buffalo Creek, opposite Martin Doss's place; 60 ft above foot log; on W. side of Buffalo Creek; in rock; copper bolt stamped "USGS 728 FT BM" (Tied by USC&GS) (Reported not found) 728.476
 Man, 2.5 mi NE. of; at W. side of Buffalo Creek; 3.0 mi above mouth of Buffalo Creek; copper bolt stamped "USGS 808" 809.080
 Man, 2.0 mi SW. of; 1.0 mi above mouth of Rockhouse Creek; at W. side of creek; in rock near S. end of cliff; copper bolt stamped "USGS 792 FT BM" 793.331
 Man, 1.0 mi S. of; on E. side of, and 300 ft above mouth of Big Huff Creek; in rock; copper bolt stamped "USGS 727 FT BM" 728.537
 Cyclone, opposite Henschman's house; in rock; copper bolt stamped "USGS 854 FT BM" (Not found, 1935) 855.492
 Lower Gap Branch; 600 ft below; on S. side of rd. up Big Huff Creek; on iron post; standard cap stamped "1063" 1069.100
 Gilbert; opposite store of Alexander Stafford; in field; on iron post; standard cap stamped "832" 833.146
 Wharncliffe, 4.0 mi NE. of; 300 ft below Laurel Branch; on E. side of rd.; opposite residence of T. E. Brown; at Ben Creek; on iron post; standard cap stamped "1020" 1021.315
 Wharncliffe, 0.5 mi S. of; at corner of State line between Kentucky, Virginia, and West Virginia; on iron post; standard cap stamped "825" 826.697

4 GILBERT W. VA. - VA. - KY.

Bull. 632 5/31/60 ale
 Dotson, 4.0 mi E. of; up Long Pole Creek; 0.23 mi below Oak Branch; on S. side of rd. on iron post; standard cap stamped "1050" 1051.819
 Oilville, 0.3 mi E. of; on S. side of rd.; 5 ft N. of fence; 150 ft W. of residence of Dave Robertson; in sandstone rock; standard tablet stamped "947 W VA 1909" 946.750
 Oilville, 2.5 mi E. of; 0.5 mi S. of junction of Cow and Island creeks; on E. side of rd.; 350 ft N. of residence of Lewis Chofin; in large sandstone boulder; standard tablet stamped "859 W VA 1909" 856.351
 Crane's sawmill, 0.5 mi S. of; 400 ft N. of residence of Anne Hatfield; 10 ft W. of river; in arch of large sandstone boulder; standard tablet stamped "1048" 1047.776
 Calico, 0.6 mi N. of; 5 ft W. of rd.; 400 ft N. of private coal chute; in sandstone outcrop; standard tablet stamped "1505 W VA 1909" 1504.447
 Calico, 3.0 mi E. of; on W. side of rd.; 300 ft W. of rock wall at mouth of Coon Branch; in 3-by 3-by 3-ft sandstone boulder; standard tablet stamped "1108 W VA 1909" 1107.310
 Calico, 5.4 mi E. of; at junction of Horsepen and Browning forks of Gilbert Creek; 30 ft N. of front entrance to Farrell schoolhouse; 20 ft W. of ^{3-ft} elm tree; in sandstone rock; standard tablet stamped "937 W VA 1909" 936.580
 Gilbert, 1.9 mi NW. of; on N. side of rd.; in lower projection of E. end of ragged sandstone outcrop; standard tablet stamped "814 W VA 1909" 813.300

5
 GILBERT W. VA. - VA. - KY.
 Bull. 632 5/31/60 ale

Gilbert, 5.3 mi NW. of; at S. side of Sylvia Branch; on W. side of rd.; at point where rd. turns sharply up hollow; in sandstone outcrop; standard tablet stamped "776 W VA 1909" 775.407

Christian, 0.6 mi NE. of; on N. side of second stream crossing above schoolhouse; in sandstone ledge; standard tablet stamped "780 W VA 1909" 780.015

Christian, 3.6 mi NE. of; 8 ft N. of rd.; 400 ft E. of Ike Vance's place; in sandstone rock; standard tablet stamped "1002 W VA 1909" 1002.135

Christian, 6.5 mi NE. of; at N. side of trail; on W. side of stream crossing; 200 ft W. of old rock chimney; in sandstone ledge; standard tablet stamped "1333 W VA 1909" 1333.047

Gilbert; 2.8 mi SE. of; 790 ft above mouth of branch; in sandstone ledge on left side of rd.; standard tablet stamped "912" 912.016

Justice, 2.3 mi from; 170 ft S. of forks of rd. from Little Cub Creek; 0.24 mi N. of mouth of Lizard Branch; in sandstone rock on right side of rd.; standard tablet stamped "1070" 1070.342

Hanover, 150 ft S. of post office; in sandstone rock on left side of rd.; standard tablet stamped "1057" 1055.987

Hanover, 3.3 mi S. of; 0.24 mi above schoolhouse; at foot of pine tree with big rock embedded in roots; in rock on left side of rd.; standard tablet stamped "1187" 1186.939

7
 GILBERT W. VA. - VA. - KY.
 Bull. 632 5/31/60 ale

Hinch, 2.9 mi NE. of; 30 ft E. of rd.; on E. side of creek; in sandstone outcrop; standard tablet stamped "1496 W VA 1909" 1495.385

Glenalum, 2.0 mi W. of; in N. end of bridge seat of W. abutment of RR. bridge 922; standard tablet stamped "790" (Not found, 1953) 789.248

LINE 1.

TIE AT WHARNCLIFFE (By C. A. Turner, 1936; Book B6656)
 Wharncliffe, 0.5 mi S. of; at corner of State line between Kentucky, Virginia and West Virginia; on iron post; standard cap stamped "825" (Also described in Isolated Bench Marks) 826.760
 "D 48 1935" (USC&GS) 841.320

LINE 2.

FROM WYLO ALONG ROADS GENERALLY NORTHEAST AND EAST INTO PINEVILLE QUADRANGLE THENCE SOUTHWEST SOUTH AND SOUTHEAST TO POINT 6.2 MILES WEST OF BAILEYSVILLE (By R. H. Paine, 1959; Book AV 805 a)

1 2 0.00 "G 162 1957" (USC&GS) 774.501
 This Elev. 774.501
 USC&GS Elev. 774.504
 Closure -1.003

1 2 0.53 U.E., 20 ft S. of, and 0.5 ft lower than centerline of rd.; 34 ft S. of track; in base on W. side of 14-in. sycamore tree; rail spike, painted "UE 789.0" 789.015

1 3 0.88 U.E., centerline of rd. at crossing of Chesapeake and Ohio spur line, painted "CL 810.3" 810.789

6
 GILBERT W. VA. - VA. - KY.
 Bull. 632 5/31/60 ale

Iaeger, 4.5 mi NW. of; 500 ft S. of rd. crossing Indian Ridge; on left side of rd.; in sandstone rock; standard tablet stamped "1582" 1582.009

Panther, 0.4 mi E. of; in S. end of E. bridge seat of RR. bridge 915 over Short Pole Creek; standard tablet stamped "944" 943.096

Hull, 350 ft E. of station; 50 ft N. of RR.; in W. end of sandstone culvert; standard tablet stamped "960" 959.414

Iaeger, 2.1 mi E. of; in N. end of W. abutment of RR. bridge 910; standard tablet stamped "996" 995.374

War Eagle, in S. end of E. abutment of RR. bridge over Turkey Creek; standard tablet stamped "875" (Not found, 1953) 874.210

Wyoming, 0.2 mi E. of; 110 ft E. of milepost 432; in NE. corner of RR. culvert; standard tablet stamped "927" (Disturbed, 1953) 926.448

Man, 5.0 mi NW. of; opposite mouth of Rich Creek; 20 ft N. of Methodist Episcopal Church; in rock; copper bolt stamped "USGS 725" 725.119

Calico, 2.0 mi SW. of; 150 ft E. of old church; 50 ft S. of rd.; on S. side of creek; in sandstone outcrop; standard tablet stamped "1269 W VA 1909" 1268.738

Hinch; 250 ft E. of residence of Bill Kennedy; on E. side of rd.; 350 ft W. of forks of rd.; 30 ft N. of 36-in. elm tree; in sandstone rock; standard tablet stamped "1212 W VA 1909" 1211.516

8
 GILBERT W. VA. - VA. - KY. R. H. Paine
 Book AV 805 a 5/31/60 ale 1959

LINE 2 (Cont'd.)

1 4 1.41 U.E., Emmett; centerline of RR. at rd. crossing; painted "CL 843.6" 843.582

1 5 1.83 U.E., 0.4 ft lower than centerline of rd. at bridge; at S. end of E. abutment of bridge; on top of concrete guardrail of one lane bridge over Elk Creek; chiseled square, painted "UE 864.5" 864.468
 WL = 856.8 ft

1 6 2.36 Reference mark; 65 ft SW. of tablet; 40 ft NW. of rd.; 11 ft SE. of C. & O. spur line RR.; on flat rock outcrop; chiseled square 908.964

1 6 2.36 Emmett, 0.95 mi E. of; 66 ft NW. of centerline of rd.; 40 ft NW. of C. & O. spur line; 175 ft NE. of rd. fork SE.; 7 ft higher than centerline of rd. fork NE.; set vertically in side of stone cliff; standard tablet stamped "70 RHP 1959 908", painted "EM 908.4" 908.352

1 7 2.78 U.E., 62 ft SE. of, and 2 ft higher than centerline of rd. at cross drives; 0.9 ft higher than centerline of drive at RR.; in base on N. side of 36-in. black oak tree; rail spike, painted "UE 937.5" 937.516

9
GILBERT W. VA. - VA. - KY. R. H. Paine
Book AV 805 a 5/31/60 ale 1959

LINE 2 (Cont'd.)

1 8 3.11 U.E., 1 ft lower than centerline of track;
centerline of rd. at footbridge to house
SE., painted "CL 967.1" 967.062

1 9 3.53 U.E., 50 ft SW. of, and 2 ft lower than
centerline of rd. opposite S. end of tippie;
in base on N. side of 20-in. sycamore tree;
rail spike, painted "UE 1005.5" 1005.540

1 10 4.08 U.E., 18 ft N. of, and 2 ft higher than
centerline of rd.; 5 ft lower than center-
line of RR. track; on 24-in. concrete pipe
under RR.; chiseled square, painted
"UE 1062.3" 1062.330

1 11 4.38 Reference mark; 120 ft SW. of tablet; in
base on SW. side of twin 24-in. sycamore
tree; rail spike, painted "RM" 1090.206

1 11 4.38 Emmett, 3.0 mi E. of; 50 ft E. of E. end
of C. & O. spur track; 51 ft NE. of, and 5 ft
higher than centerline of dirt rd. fork N.;
19 ft N. of dirt rd.; 7 ft SW. of 12-in.
sycamore tree; 144 ft SE. of NE. corner
of chain link fence enclosure; in concrete
post; standard tablet stamped
71 RHP 1959 1097" 1096.653

11
GILBERT W. VA. - VA. - KY. R. H. Paine
Book AV 805 a 5/31/60 ale 1959

LINE 2 (Cont'd.)

1 18 6.39 Reference mark; 67 ft ENE. of tablet; in
base on W. side of 24-in. sycamore tree;
rail spike, painted "RM" 1356.669

1 18 6.39 Emmett, 5.0 mi E. of; 98 ft SW. of drain
crossing; 30 ft SW. of, and 2 ft higher than
centerline of rd. forks; 16 ft SW. of dirt
rd.; 17 ft SE. of 30-in. sycamore tree;
8 ft NE. of 24-in. elm tree; in concrete post;
standard tablet stamped "72 RHP 1959 1356",
painted "BM 1356.1" 1356.054

1 19 6.36 U.E., 8 ft NNW. of, and 1 ft higher than
centerline of rd.; in base on NW. side of
lone 24-in. sycamore tree; rail spike,
painted "UE 1458.0" 1457.964

1 20 7.12 U.E., 15 ft E. of, and 1 ft lower than
centerline of rd.; in top of gas pipe plug
at gas well, and 0.4 ft higher than natural
ground; top of half inch set screw,
painted "UE 1530.9" 1530.897

1 22 7.59 U.E., 0 ft S. of centerline of dirt rd.; 130
ft W. of rd. fork; on 2-by 3-ft boulder; chiseled
square, painted "UE 1715.7" 1715.685

10
GILBERT W. VA. - VA. - KY. R. H. Paine
Book AV 805 a 5/31/60 ale 1959

LINE 2 (Cont'd.)

1 13 4.84 U.E., 18 ft SE. of rd. at drain crossing;
12 ft S. of rd.; on N. end of E. concrete
abutment of abandoned bridge over Elk Creek;
chiseled square, painted "UE 1147.2" 1147.185
WL = 1139.9 ft

1 14 5.14 U.E., 48 ft E. of, and 3 ft higher than
centerline of rd. at jeep trail SE.; 10 ft S. of
centerline of rd. at gasline crossing; in base
on N. side of 15-in. sycamore tree; rail spike,
painted "UE 1195.2" 1195.203

1 15 5.49 U.E., 35 ft E. of, and 0.9 ft higher than
centerline of rd. fork NE.; 10 ft N. of
centerline of rd.; in base on N. side of
16-in. sycamore tree; rail spike, painted
"UE 1237.9" 1237.869

1 16 5.72 U.E., 16 ft E. of, and 3 ft higher than
centerline of rd. fork N.; 7 ft NE. of rd.;
in base on SW. side of 24-in. sycamore tree,
painted "UE 1268.5" 1268.520

1 17 6.15 U.E., 20 ft SW. of, and 0.2 ft lower than
centerline of rd. at jeep trail SE.; 15 ft
S. of centerline of rd.; in base on SE. side
of 20-in. sycamore tree; rail spike, painted
"UE 1325.7" 1325.685

12
GILBERT W. VA. - VA. - KY. R. H. Paine
Book AV 805 a 5/31/60 ale 1959

LINE 2 (Cont'd.)

1 24 8.09 U.E., 10 ft SW. of, and 0.9 ft higher than
centerline of dirt rd.;
75 ft N. of centerline of rd. at hairpin
turn; in base on E. side of 18-in. tulip
poplar tree; rail spike, painted "UE 1904.8" 1904.802

1 25 8.34 Reference mark No. 1; 60 ft N. of tablet;
6 ft E. of centerline of rd.; 20 ft SE. of
rd. fork in saddle; on embedded boulder;
chiseled square, painted "RM" 2020.038

1 26 8.36 Emmett, 6.95 mi E. of; 4.9 mi N. of Coal
Mountain; 69 ft SE. of, and 5 ft higher than
centerline of rd. opposite rd. fork at saddle
and 2 ft higher than centerline of rd. at
saddle; 10 ft SW. of centerline of dirt rd.;
set vertically in stone face of cliff;
standard tablet stamped "73 RHP 1959 2022",
painted "BM 2022.4" 2022.351

1 26 8.36 Reference mark No. 2; 27 ft NE. of tablet;
10 ft NW. of dirt rd.; in base on SW. side
of 18-in. tulip poplar tree; rail spike,
painted "RM" 2017.950

1 27 8.72 U.E., 40 ft W. of, and 4 ft higher than
centerline of rd. fork SE.; 11 ft NW. of
dirt rd.; in base on S. side of 16-in.
locust tree; rail spike, painted "UE 1928.7" 1928.673

13
 GILBERT W. VA. - VA. - KY. R. H. Paine
 Book AV 805 a 5/31/60 ale 1959
LINE 2 (Cont'd.)

1 28 9.09 U.E., 120 ft E. of rd. at gasoline crossing; and 5 ft higher than 18 ft S. of centerline of dirt rd.; on 5-by 6 ft boulder; chiseled square, painted "UE 2107.9" 2107.893

1 30 9.63 U.E., 35 ft N. of rd. at sharp curve; in base on NW. side of 12-in. hickory tree; rail spike, painted "UE 2370.6" 2370.570

1 31 10.10 T.P., 10 ft S. of centerline of rd. at saddle; on rock outcrop; chiseled square 2461.725

1 31 10.11 Reference mark; 35 ft SE. of tablet; on small stone ledge of rock outcrop; chiseled square, painted "RM" 2460.786

1 31 10.11 Coal Mountain, 3.2 mi N. of; 230 ft E. of saddle, along dirt rd.; 16 ft N. of centerline of dirt rd.; set vertically in rock cliff; standard tablet stamped "74 RHP 1959 2462", painted "BM 2462.2" 2462.187

1 32 10.49 U.E., 14 ft SW. of centerline of rd. at curve; in base on NE. side of 24-in. chestnut oak tree; rail spike, painted "UE 2337.5" 2337.471

15
 GILBERT W. VA. - VA. - KY. R. H. Paine
 Book AV 805 a 5/31/60 ale 1959
LINE 2 (Cont'd.)

1 40 12.87 U.E., 14 ft NW. of, and 2 ft higher than centerline of rd. at dirt rd. SE.; in base on SE. side of 12-in. sycamore tree; rail spike, painted "UE 1503.4" 1503.438

1 41 13.28 U.E., 74 ft NE. of, and 3 ft higher than centerline of junction of T-rd.; on N. end of bottom concrete step leading to hotel; chiseled square, painted "UE 1426.9" 1426.923

1 42 13.56 U.E., 53 ft E. of, and 3 ft higher than centerline of paved rd. at dirt rd. fork NE.; in base on S. side of 40-in. sycamore tree; rail spike, painted "UE 1393.2" 1393.212

1 43 14.21 Reference mark; 36 ft SE. of tablet; on NW. concrete wing wall of culvert; chiseled square, painted "RM" 1320.459

1 43 14.21 Coal Mountain, 0.9 mi S. of, along paved rd.; 16 ft E. of centerline of rd.; 102 ft S. of, and 2 ft lower than centerline of junction of rd. E.; 61 ft NE. of, and 1 ft higher than centerline of rd. at drive to W. M. Ritter Lumber Company Cub Creek Store; in SE. wing wall of concrete culvert; standard tablet stamped "76 RHP 1959 1320", painted "BM 1320.5" 1320.456

WL = 1314.7 ft

14
 GILBERT W. VA. - VA. - KY. R. H. Paine
 Book AV 805 a 5/31/60 ale 1959
LINE 2 (Cont'd.)

1 34 10.92 U.E., 30 ft SE. of, and 2 ft lower than centerline of dirt rd. at abandoned track crossing; 40 ft SW. of entrance to abandoned coal mine; on W. corner of concrete slab; chiseled square, painted "2194.9" 2194.869

1 35 11.35 U.E., 56 ft E. of rd. at hairpin turn; on shelf of ledge rock; chiseled square, painted "UE 2077.7" 2077.725

1 38 12.00 Reference mark; 41 ft SW. of tablet; 15 ft N. of rd.; on rock outcrop; chiseled square, painted "RM" 1748.637

1 38 12.00 Coal Mountain, 1.3 mi NE. of; 48 ft N. of drain; 220 ft W. of wooden trestle bridge; 23 ft N. of centerline of rd.; set vertically in face of rock cut; standard tablet stamped "75 RHP 1959 1755", painted "EM 1755.1" 1755.147

1 39 12.45 U.E., 0.9 ft lower than centerline of rd.; at bridge; 19 ft SW. of rd. at culvert; on S. end of 36-in. corrugated metal pipe; painted circle, painted "UE 1602.6" 1602.561

16
 GILBERT W. VA. - VA. - KY. R. H. Paine
 Book AV 805 a 5/31/60 ale 1959
LINE 2 (Cont'd.)

1 44 14.52 U.E., 14 ft NW. of centerline of paved rd.; at front of Coal Mountain School; 1 ft higher than centerline of rd. opposite sidewalk; on top of S. side of concrete slab next to steel guardpost; chiseled square, painted "UE 1287.3" 1287.342

WL = 1279.0 ft

1 45 14.87 U.E., 15 ft W. of centerline of rd.; 29 ft SW. of, and 1 ft lower than centerline of rd. at driveway E.; on SW. concrete wing wall of culvert; chiseled square, painted "UE 1259.5" 1259.496

WL = 1251.5 ft

1 46 15.47 U.E., centerline of rd. opposite wooden footbridge, painted "CL 1211.5" 1211.490

1 47 16.08 U.E., 16 ft S. of, and 0.9 ft lower than centerline of rd.; on S. end of 30-in. concrete pipe culvert; chiseled square, painted "UE 1167.4" 1167.40

1 48 16.32 Coal Mountain, 3.0 mi SW. of; 3.7 mi NE. of Big Cub Church; 105 ft NW. of, and 0.1 ft higher than centerline of paved rd. at junction of dirt rd. N.; 97 ft SW. of, and 8 ft lower than centerline of dirt rd. at RR.; 95 ft S. of RR. bridge; 38 ft W. of dirt rd.; 91 ft N. of paved rd.; 12 ft E. of small drain; in concrete post; standard tablet stamped "77 RHP 1959 1154", painted "BM 1154.2" 1154.190

WL = 1148.3 ft

17
 GILBERT W. VA. - VA. - KY. R. H. Paine
 Book AV 805 a 6/2/60 ale 1959
LINE 2 (Cont'd.)

1 49 16.32 Reference mark; 173 ft SE. of tablet; 40 ft SE. of rd.; on 8-by 3 ft boulder; chiseled square, painted "RM" 1156.677

1 49 16.80 U.E., 9 ft E. of, and 0.6 ft lower than centerline of rd.; on E. end of 30-in. concrete pipe culvert; chiseled square, painted "UE 1139.0" 1129.960

1 50 17.12 U.E., centerline of rd. opposite bridge, painted "CL 1112.2" 1112.238

1 51 17.74 U.E., 22 ft E. of rd.; 2 ft higher than centerline of rd. opposite store; on NE. corner of bottom concrete step to store of C. W. Erock; chiseled square, painted "UE 1084.9" 1084.941

1 52 16.10 Reference mark; 52 ft NW. of tablet; 12 ft N. of paved rd.; on N. end of 24-in. concrete pipe culvert; chiseled square, painted "RM" 1067.178

1 52 18.10 Coal Mountain, 4.8 mi S. of; 2.0 mi NE. of Big Cub Church; 380 ft E. of sawmill at Guyan, along paved rd.; 62 ft SE. of, and 6 ft higher than centerline of rd. at driveway N.; 35 ft and 5 ft higher than centerline of SSE. of paved rd.; 17 ft E. of small drain; 60 ft S. of Cub Creek; in concrete post; standard tablet stamped "78 RHP 1959 1075", painted "1074.5" 1074.546

19
 GILBERT W. VA. - VA. - KY. R. H. Paine
 Book AV 805 a 6/2/60 ale 1959
LINE 2 (Cont'd.)

1 58 20.96 U.E., 102 ft SE. of SE. end of RR. tunnel; 13 ft NE. of, and 0.9 ft higher than centerline of tracks; on NE. concrete base of semaphore; chiseled square, painted "UE 1005.9" 1005.921

1 59 21.53 U.E., 12 ft SW. of, and 1 ft lower than centerline of tracks; in SW. concrete head-wall of culvert; rail spike, painted "UE 1019.2" 1019.196

1 60 21.85 T.P., 360 ft W. of tablet; on N. end of W. concrete abutment of RR. bridge; bolt head, painted "TP 1030.5" 1030.449

1 60 21.93 Reference mark; 25 ft S. of tablet; in S. end of E. concrete abutment of RR. bridge; bolt head 1032.565

1 60 21.93 Coal Mountain, 8.7 mi S. of; 1.1 mi NW. of Big Branch; 60 ft NW. of W. end of RR. tunnel; 0.9 ft lower than centerline of tracks at tunnel; 85 ft N. of E. end of footbridge; in N. end of E. concrete abutment of RR. bridge over Guyandot River; standard tablet stamped "80 RHP 1959 1033", painted "BM 1032.5" 1032.522

WL = 1002.5 ft

18
 GILBERT W. VA. - VA. - KY. R. H. Paine
 Book AV 805 a 6/2/60 ale 1959
LINE 2 (Cont'd.)

1 53 18.54 U.E., 36 ft NW. of, and 2 ft lower than centerline of dirt rd. SE.; in base on E. side of 10-in. sycamore tree; rail spike, painted "UE 1052.1" 1052.055

1 54 19.03 U.E., 49 ft SW. of, and 1 ft lower than centerline of rd. at offset driveways; 12 ft W. of centerline of rd.; on W. end of corrugated metal culvert; painted circle, painted "UE 1033.3" 1033.272

1 55 19.58 U.E., centerline of rd. at drive NW., painted "CL 1025.3" 1025.322

1 56 20.04 Reference mark; 16 ft E. of tablet; on SE. end of bottom concrete step of church 1008.907

1 56 20.04 Coal Mountain, 73 ft E. of, and 5 ft lower than centerline of rd. at RR. crossing; 54 ft NE. of RR.; 4 ft N. of NW. corner of Big Cub Church; 138 ft S. of, and 1 ft lower than centerline of bridge over Cub Run; in large embedded boulder; standard tablet stamped "79 RHP 1959 1004", painted "BM 1003.6" 1003.629

WL = 990.1 ft

1 57 20.35 U.E., 6 ft W. of, and 0.2 ft lower than centerline of RR. track; on W. end of S. concrete abutment of RR. bridge over Guyandot River; chiseled square, painted "UE 996.8" 996.796

WL = 966.8 ft

20
 GILBERT W. VA. - VA. - KY. R. H. Paine
 Book AV 805 a 6/2/60 ale 1959
LINE 2 (Cont'd.)

1 61 22.47 U.E., 12 ft S. of rd.; 0.5 ft higher than centerline of rd. at bridge; on S. end of W. abutment of concrete bridge over Guyandot River; chiseled square, painted "UE 1035.3" 1035.267

WL = 1014.3 ft

1 62 23.06 U.E., Big Branch; 110 ft SW. of rd. at junction of rd. to Coal Mountain; 20 ft NW. of, and 2 ft higher than centerline of paved rd.; on SE. corner of base of gas pump at front of Cline's Grocery Store; chiseled square, painted "UE 1096.4" 1096.359

WL = 1083.5 ft

1 63 23.71 "Y 176 1958" (USC&GS) 1183.443

This Elev. 1183.443
 USC&GS Elev. 1183.566
 Closure -0.123

LINE 3.

ALONG ROADS SOUTH IN PINEVILLE QUADRANGLE (By R. H. Paine, 1959; Book AV 805 a)

1 65 0.00 "B 45 1935" (USC&GS) 1045.932

This Elev. 1045.932
 USC&GS Elev. 1045.833
 Closure -0.101

LINE 3 (Cont'd.)

1	65	0.49	U.E., 110 ft N. of E. end of pipe foot-bridge; 15 ft E. of, and 2 ft lower than centerline of State Highway 10; on E. concrete headwall of culvert; painted circle; painted "UE 1053.6"	1053.609
1	66	0.97	U.E., Campus; in centerline of State Highway 10 at graded rd. S.; rail spike, painted "CL 1074.2"	1074.246
1	67	1.34	Mallory, 8.1 mi E. of, along State Highway 10, thence 0.4 mi S.; 400 ft N. of Y-rd. fork; 21 ft SW. of dirt rd.; 35 ft N. of meter house of gas pipeline; 6 ft N. of twin sycamore tree; in concrete post; standard tablet stamped "81 RHP 1959 1114", painted "BM 1113.6"	1113.567
1	68	1.56	U.E., 17 ft ESE. of, and 3 ft higher than centerline of dirt rd. at drive and small ford; on large boulder; chiseled square, painted "UE 1156.4"	1156.353
1	69	2.07	U.E., 44 ft NW. of, and 2 ft lower than ground at gas well; 8 ft W. of dirt rd.; 12 ft E. of creek; on boulder; chiseled square, painted "UE 1320.9"	1320.933

LINE 3 (Cont'd.)

1	71	2.50	U.E., 65 ft NW. of lowest hairpin curve; 8 ft NE. of dirt rd.; in base on SW. side of 12-in. tulip poplar tree; rail spike, painted "UE 1522.3"	1522.323
1	72	2.78	U.E., 65 ft N. of, and 2 ft lower than centerline of rd. at hairpin curve; 11 ft NE. of dirt rd.; in base on S. side of 12-in. tulip poplar tree; rail spike, painted "UE 1615.9"	1615.926
1	73	3.17	U.E., 500 ft SE. of hairpin curve; 230 ft NW. of curve; 9 ft NE. of dirt rd.; in base on SW. side of 18-in. tulip poplar tree; rail spike, painted "UE 1750.1"	1750.062
1	75	3.68	"UE 1928.7" (Described in line 1) This Elev. 1928.802 Prev. Elev. 1928.673 Closure +.129	1928.802

LINE 4.

FROM POINT 8.1 MILES NORTHWEST OF IAEGER ALONG ROADS SOUTHEAST AND EAST INTO PINEVILLE QUADRANGLE (By R. H. Paine, 1959; Book AV 805 b)

2	2	0.00	"K 176 1958" (USCGS)	MEAN 1079.004
2	2	0.32	U.E., SE. end of floor of small wooden bridge, painted "UE 1088.1"	MEAN 1088.136

WL = 1079.1 ft

LINE 4 (Cont'd.)

2	3	0.84	U.E., 20 ft NE. of intersection of graded rd. and drive E. across bridge; 0.8 ft higher than rd. at drive NE.; in base on SW. side of twin 30-in. tulip poplar tree; rail spike, painted "UE 1100.4"	MEAN 1100.454
2	4	1.18	U.E., 1 ft higher than centerline of rd. at drive W.; 110 ft N. of NW. end of bridge; 2 ft higher than bridge floor; in base on W. side of 32-in. white oak tree; rail spike, painted "UE 1106.2"	MEAN 1106.174
2	5	1.51	Reference mark; 75 ft SE. of tablet; 40 ft SW. of center of bridge; on 4-by 6 ft boulder; chiseled square, painted "RM"	MEAN 1106.072
2	5	1.51	Huff Consolidated School, 1.5 mi SE. of; 110 ft W. of, and 3 ft lower than centerline of T-rd. fork; 30 ft NW. of, and 0.3 ft lower than centerline of bridge; 30 ft N. of rd.; in concrete post; standard tablet stamped "82 RHP 1959 1107", painted "BM 1106.5"	MEAN 1106.510
2	6	1.97	U.E., 35 ft H. of, and 2 ft higher than centerline of bridge; in base on E. side of 20-in. white ash tree; rail spike, painted "UE 1115.2"	MEAN 1115.196

WL = 1106.8 ft

LINE 4 (Cont'd.)

2	7	2.46	U.E., 30 ft from, and 0.9 ft lower than centerline of Y-rd. fork; on SE. end of large corrugated metal culvert; painted circle, painted "UE 1125.0"	MEAN 1125.031
				WL = 1119.3 ft
2	8	2.95	U.E., 28 ft NW. of, and 0.3 ft lower than centerline of intersection of rd. and drive N.; in base on SE. side of 14-in. sycamore tree; rail spike, painted "UE 1140.2"	MEAN 1140.153
2	9	3.36	Reference mark; 100 ft S. of tablet; 90 ft SE. of Y-rd. fork; in root on E. side of 26-in. white oak tree; nail head, painted "RM"	MEAN 1159.884
2	9	3.36	Huff Consolidated School, 3.4 mi E. of; 80 ft NE. of, and 2 ft higher than centerline of Y-rd. fork; 44 ft N. of graded rd.; 67 ft E. of graded rd.; 10 ft N. of power pole; in concrete post; standard tablet stamped "83 RHP 1959 1162", painted "BM 1162.3"	MEAN 1162.325
2	10	3.90	U.E., 30 ft SW. of, and 2 ft higher than centerline of rd. at trail N.; in base on W. side of 18-in. tulip poplar tree; rail spike, painted "UE 1193.1"	MEAN 1193.137

GILBERT W. VA. - VA. - KY. R. H. Paine
Book AV 805 b 6/3/60 ale 1959

LINE 4 (Cont'd.)

2 11	4.53	U.E., 165 ft NE. of, and 6 ft higher than centerline of T-rd. fork; 60 ft S. of, and 2 ft higher than centerline of Y-rd. fork; on boulder; chiseled square, painted "UE 1209.9"	MEAN 1209.277
2 12	5.19	U.E., 45 ft W. of, and 2 ft higher than centerline of junction of graded rd. and dirt rd. N.; in base on N. side of 12-in. walnut tree; rail spike, painted "UE 1250.0"	MEAN 1250.312
2 13	5.49	Reference mark; 67 ft E. of tablet; in base on W. side of 18-in. tulip poplar tree; rail spike, painted "RM"	MEAN 1275.925
2 13	5.49	Huff Consolidated School, 5.5 mi E. of; 13 ft NW. of, and 1 ft higher than centerline of junction of graded rd. and dirt rd. NE.; 13 ft N. of graded rd.; 8 ft NE. of 30-in. maple tree; in concrete post; standard tablet stamped "84 RHP 1959 1278", painted "BM 1277.8"	MEAN 1277.769
2 14	5.99	U.E., 20 ft N. of, and 2 ft lower than centerline of junction of graded rd. and dirt rd. NE.; in base on S. side of 10-in. hickory tree; rail spike, painted "UE 1321.1"	MEAN 1321.154

GILBERT W. VA. - VA. - KY. R. H. Paine
Book AV 805 a 6/3/60 ale 1959

LINE 5 (Cont'd.)

2 38	2.86	U.E., on S. concrete headwall of culvert; chiseled square, painted "UE 1031.3"	1031.349
		WL = 1024.5 ft	
2 39	2.95	Reference mark; 01 ft W. of tablet; on E. end of N. concrete headwall of culvert; chiseled square	1033.809
2 39	2.95	Mohawk, 1.0 mi NW. of, along N. & W. RR., thence 2.0 mi NE.; 1.4 mi SW. of Isaban Post Office; 210 ft NE. of, and 3 ft higher than centerline of Y-rd. fork; 46 ft N. of rd.; 38 ft S. of RR. tracks; 2 ft N. of NW. corner of small church; in concrete post; standard tablet stamped "88 RHP 1959 1036", painted "BM 1035.9"	1035.948
2 40	3.64	U.E., centerline of rd. at dirt rd. N., painted "CL 1087.5"	1087.473
2 41	3.85	U.E., 2 ft lower than RR. crossing; on SE. stone headwall of culvert; chiseled square, painted "UE 1107.8"	1107.798
		WL = 1103.1 ft	
2 42	4.32	U.E., 310 ft NE. of Isaban Post Office; 22 ft E. of rd.; 5 ft higher than centerline of junction of T-rd. at post office; on N. end of next to bottom concrete step; chiseled square, painted "UE 1155.5"	1155.549

GILBERT W. VA. - VA. - KY. R. H. Paine
Book AV 805 b 6/3/60 ale 1959

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LINE 5.

FROM MOHAWK ALONG ROADS NORTHWEST GENERALLY NORTHEAST AND NORTHWEST TO POINT 4.0 MILES SOUTHWEST OF GILBERT (By R. H. Paine, 1959; Book AV 805 b)			
2 34	0.00	"P 48 1935" (USC&GS)	936.031
		This Elev. 936.031	
		USC&GS Elev. 936.030	
		Closure +1.001	
2 34	0.66	U.E., centerline of SW. track opposite section house, painted "CL 933.6"	933.579
2 35	1.00	Mohawk, 1.0 mi NW. of; 30 ft N. of McDowell - two Mingo County line; midway between/tracks of Norfolk and Western Railroad; 18 ft higher than centerline of rd. under track; in center of N. concrete abutment of RR. bridge over rd. and Four Pole creek; standard tablet stamped "TT 52 CWH 1953 931", painted "BM 931.2"	931.239
		WL = 902.6 ft	
2 36	1.60	U.E., 23 ft SE. of paved rd.; 17 ft SW. of dirt rd. E.; 1 ft higher than centerline of T-rd.; on boulder; chiseled square, painted "UE 966.5"	966.531
2 37	2.17	U.E., 160 ft NE. of, and 1 ft higher than centerline of rd. at powerline crossing; on NE. end of SE. headwall of culvert; chiseled square, painted "UE 1006.6"	1006.821

GILBERT W. VA. - VA. - KY. R. H. Paine
Book AV 805 b 6/3/60 ale 1959

LINE 5 (Cont'd.)

2 43	4.72	U.E., 35 ft N. of junction of paved rd. and dirt street N.; 0.1 ft lower than rd. fork; in base on S. side of power pole; rail spike, painted "UE 1200.8"	1200.619
2 44	5.19	Reference mark; 23 ft SE. of tablet; on SE. concrete headwall of culvert; chiseled square, painted "RM"	1304.217
2 44	5.19	Isaban, 0.9 mi NE. of post office; at foot of mountain; 10 ft NW. of rd. at hairpin curve; 0.3 ft higher than rd.; in NW. concrete headwall of culvert; standard tablet stamped "89 RHP 1959 1300", painted "BM 1299.7"	1299.663
		WL = 1293.0 ft	
2 46	5.50	T.P., on N. stone headwall of culvert; painted circle, painted "TP 1397.0"	1397.031
2 47	5.81	U.E., 2 ft higher than rd.; on E. stone headwall of culvert; painted circle, painted "UE 1495.9"	1495.917
2 48	6.28	U.E., 2 ft higher than rd.; on S. stone headwall of culvert; painted circle, painted "UE 1643.7"	1643.745

LINE 5 (Cont'd.)

2 49	6.74	U.E., 70 ft W. of, and 2 ft lower than centerline of junction of paved rd. and dirt rd. N. at sharp curve; in base on NE. side of 10-in. oak tree; rail spike, painted "UE 1774.3"	1774.320
2 50	6.98	Reference mark; 70 ft SE. of tablet; in base on NW. side of power pole; rail spike, painted "RM"	1837.650
2 50	6.98	Isaban, 3.7 mi NE. of post office; 4.4 mi SE. of Balsden Post Office; at saddle; 80 ft W. of, and 1 ft higher than centerline of Y-rd. fork; 135 ft NE. of, and 10 ft higher than centerline of junction of paved rd. and dirt rd. S.; 10 ft W. of power pole; in rock outcrop; standard tablet stamped "90 RHP 1959 1836", painted "BM 1835.6"	1835.586
2 51	7.54	U.E., 40 ft SE. of rd. at curve; 3 ft higher than centerline of rd. at drain; in base on N. side of twin sycamore tree; rail spike, painted "UE 1661.6"	1661.598
2 52	7.93	U.E., 25 ft E. of rd.; 2 ft higher than centerline of rd. at drain; in base on N. side of power pole; rail spike, painted "UE 1531.0"	1530.987

LINE 5 (Cont'd.)

2 57	10.40	Balsden, 0.9 mi SE. of post office; 165 ft SE. of T-rd. fork; 2 ft higher than centerline of T-rd. NE.; 2 ft NW. of NW. corner of Cline School; in concrete post; standard tablet stamped "92 RHP 1959 1129", painted "BM 1129.1"	MEAN 1129.105
2 58	10.83	U.E., centerline of rd. at dirt rd. SW., painted "CL 1092.9"	MEAN 1092.937
2 59	11.24	U.E., 450 ft SE. of Balsden Post Office; centerline of paved rd. at walk to house, painted "CL 1062.8"	MEAN 1062.791
2 60	11.87	U.E., on W. concrete headwall of culvert; chiseled square, painted "UE 1023.7"	MEAN 1023.689
2 61	12.46	U.E., 0.2 ft higher than centerline of rd. at short drive SW.; in base on N. side of power pole; rail spike, painted "UE 992.7"	MEAN 992.719
2 62	12.94	U.E., 2 ft lower than centerline of rd. at fence; at drive to church; on SE. wing wall of bridge; chiseled square, painted "UE 971.4"	MEAN 971.453
2 63	13.38	"U 162 1957" (USC&GS)	MEAN 957.332

This Elev. 957.332
USC&GS Elev. 957.298
Closure +.034

LINE 5 (Cont'd.)

2 53	8.45	U.E., 40 ft S. of paved rd. at dirt rd. S.; 2 ft lower than centerline of Y-rd.; in base on E. side of power pole; rail spike, painted "UE 1356.5"	1356.510
2 54	9.08	U.E., centerline of paved rd. at graded rd. E., painted "CL 1250.5"	MEAN 1250.304
2 55	9.42	Reference mark; 56 ft N. of tablet; on W. concrete railing of bridge; chiseled square, painted "RM"	MEAN 1218.288
2 55	9.42	Balsden, 1.9 mi SE. of post office; 48 ft SW. of, and 1 ft lower than centerline of junction of paved rd. and graded rd. E.; 2 ft E. of NE. corner of Rosa Church; in concrete post; standard tablet stamped "91 RHP 1959 1215", painted "BM 1215.3"	MEAN 1215.189
2 56	10.04	U.E., centerline of paved rd. at dirt rd. SW., painted "CL 1153.0"	MEAN 1152.911
2 57	10.40	Reference mark; 107 ft NW. of tablet; on S. end of W. concrete railing of bridge; chiseled square	MEAN 1131.449

LINE 6.

FROM POINT 3.1 MILES SOUTHWEST OF GILBERT ALONG ROADS SOUTHWEST TO POINT 4.0 MILES SOUTHWEST OF GILBERT (By R. H. Paine, 1959; Book AV 805 c)

CHECK LINE

3 33	0.00	"V 162 1957" (USC&GS)	927.450
3 33	0.40	U.E., 0.8 ft higher than centerline of T-rd. NW.; on SW. end of NW. concrete headwall of culvert; chiseled square, painted "UE 935.0"	934.974
3 34	0.89	"U 162 1957" (USC&GS)	957.291

This Elev. 957.291
USC&GS Elev. 957.298
Closure -.007

LINE 7.

FROM LOGAN QUADRANGLE ALONG ROADS GENERALLY SOUTH AND NORTHWEST TO POINT 0.8 MILE NORTHWEST OF SARAH ANN (By R. H. Paine, 1959; Book AV 805 d)

4 2	0.00	"M 45 1935" (USC&GS)	729.099
		This Elev. 729.099 USC&GS Elev. 729.100 Closure -.001	
4 2	0.00	"N 45 1935" (USC&GS)	726.771
		This Elev. 726.771 USC&GS Elev. 726.777 Closure -.006	
4 2	0.54	U.E., 40 ft SE. of, and 1 ft lower than centerline of junction of State Highway 10 and Rich Creek rd.; on E. end of N. concrete abutment of steel bridge; chiseled square, painted "UE 710.9"	710.898

LINE 7 (Cont'd.)

4	3	1.19	U.E., 0.2 ft higher than bridge floor; on NW. end of SW. abutment of wooden bridge; chiseled square, painted "UE 750.2"	750.150
			WL = 741.8 ft	
4	4	1.61	U.E., 1 ft lower than bridge floor; on NW. concrete bridge seat; chiseled square, painted "UE 770.0"	770.022
4	5	2.15	Reference mark; 145 ft SE. of tablet; on E. end of center steel pipe culvert; painted circle, painted "RM"	805.413
4	5	2.15	Earling, 0.5 mi NW. of; along State Highway 10, thence 1.6 mi SW.; 2.3 mi NW. of Rich Creek Compressor station; 42 ft W. of, and 1 ft higher than centerline of Y-rd. fork; 6 ft E. of 14-in. apple tree; in concrete post; standard tablet stamped "93 RHP 1959 305", painted "BM 804.7"	804.651
4	6	2.53	U.E., 30 ft SE. of junction of graded rd. and dirt rd. W.; on E. end of large steel pipe culvert; rivet head, painted "UE 838.6"	838.578
4	7	2.93	U.E., 45 ft SE. of, and 2 ft higher than centerline of Y-rd. fork; on SW. wing wall of bridge; chiseled square, painted "UE 867.2"	867.174
			WL = 860.8 ft	

LINE 7 (Cont'd.)

4	12	4.06	U.E., 75 ft E. of, and 1 ft higher than centerline of rd.; at S. end of swimming hole; in base on W. side of 20-in. birch tree; rail spike, painted "UE 1064.3"	1064.331
			WL = 1059.6 ft	
4	13	5.21	U.E., centerline of rd. at dirt rd. W., painted "UE 1100.6"	1100.577
4	14	5.76	Earling, 0.5 mi NW. of, along State Highway 10, thence 5.2 mi S.; 1.3 mi S. of Rich Creek Compressor Station; 143 ft N. of, and 3 ft higher than centerline of Y-rd. fork; 15 ft E. of rd.; 1 ft E. of meter house along gas pipeline; in concrete post; standard tablet stamped "95 RHP 1959 1168", painted "BM 1168.2"	1168.236
4	15	6.34	U.E., 30 ft SE. of, and 4 ft higher than ford; in base on E. side of 30-in. beech tree; rail spike, painted "UE 1220.7"	1220.697
4	16	6.96	U.E., 240 ft N. of rd. fork at ford; 25 ft W. of rd.; in base on E. side of 30-in. beech tree; rail spike, painted "UE 1296.7"	1296.684

LINE 7 (Cont'd.)

4	8	3.37	U.E., 45 ft NW. of junction of graded rd. and dirt rd. W.; 3 ft higher than centerline of Y-rd. fork; in base on NE. side of power pole; rail spike, painted "UE 906.9"	906.873
4	9	3.69	U.E., 100 ft NW. of house; 2 ft lower than centerline of rd. at house; in base on NE. side of power pole; rail spike, painted "UE 940.6"	940.572
4	10	4.21	U.E., 12 ft NE. of, and 2 ft lower than centerline of rd. at curve; on NE. end of northernmost large steel pipe culvert; rivet head, painted "UE 996.3"	996.291
			WL = 991.7 ft	
4	11	4.44	Earling, 0.5 mi NW. of, along State Highway 10, thence 3.9 mi S.; S. of Rich Creek Compressor station; 92 ft N. of, and 5 ft higher than ford; 29 ft E. of graded rd.; 7 ft N. of W. end of steel foot bridge; 1 ft W. of fence; in concrete post; standard tablet stamped "94 RHP 1959 1024", painted "BM 1023.6"	1023.627

LINE 7 (Cont'd.)

4	17	7.38	U.E., 70 ft SE. of, and 6 ft higher than centerline of Y-rd. fork at ford; in base on S. side of 14-in. walnut tree; rail spike, painted "UE 1346.7"	1346.685
4	18	7.69	Reference mark; 100 ft NE. of tablet; in base on SE. side of 28-in. sycamore tree; rail spike, painted "RM"	1385.238
4	18	7.69	Earling, 0.5 mi NW. of, along State Highway 10, thence 7.2 mi S.; 4.5 mi SE. of Sarah Ann; 50 ft W. of Y-rd. fork; 165 ft NW. of, and 3 ft higher than ford; 6 ft E. of 10-in. tulip poplar tree; in concrete post; standard tablet stamped "96 RHP 1959 1390", painted "BM 1389.5"	1389.534
4	19	7.95	U.E., at point of intersection of curve; 0.3 ft higher than centerline of rd. at curve; on ledge rock; chiseled square, painted "UE 1533.4"	1533.363
4	20	8.27	U.E., centerline of rd. at saddle and pipe-line crossing, painted "CL 1694.6"	1694.565
4	22	8.60	U.E., 60 ft SE. of, and 8 ft higher than centerline of Y-rd. fork; in base on S. side of 18-in. birch tree; rail spike, painted "UE 1468.4"	1468.431

37
GILBERT W. VA. - VA. - KY. R. H. Paine
Book AV 805 d 6/3/60 ale 1959
LINE 7 (Cont'd.)

4 24	9.27	U.E., 20 ft NW. of rd.; 3 ft higher than centerline of rd. at small jog; 40 ft NW. of creek; in base on NW. side of 8-in. tulip poplar tree; rail spike, painted "UE 1302.9"	1302.936
4 25	9.73	U.E., at top of 7 ft waterfall; on SW. edge of rd.; chiseled square, painted "UE 1215.4"	1215.381
4 26	9.80	Reference mark; 28 ft SW. of tablet; 9 ft W. of rd.; on ledge rock; chiseled square, painted "RM"	1199.238
4 26	9.80	Sarah Ann, 1.4 mi SW. of; 10 ft E. of rd.; in 10-by 14 ft boulder; standard tablet stamped "97 RHP 1959 1203", painted "BM 1202.8"	1202.820
4 27	10.20	U.E., 20 ft NE. of rd.; 1 ft higher than centerline of rd. at bridge to house NE.; in base on NE. side of power pole; rail spike, painted "UE 1127.7"	1127.688
4 28	10.94	U.E., 0.8 ft higher than centerline of bridge floor; on SE. wheelguard of small concrete bridge; chiseled square, painted "UE 1020.5"	1020.462
		WL = 1014.0 ft	

39
GILBERT W. VA. - VA. - KY. R. H. Paine
Book AV 805 d 6/3/60 ale 1959
LINE 8 (Cont'd.)

4 61	2.34	Reference mark; 35 ft N. of tablet; on NE. end of NW. wheelguard of concrete bridge; bolthead in chiseled square	925.080
4 61	2.34	Huff Junction, 2.4 mi SW. of, along Rockhouse Creek; 240 ft NE. of, and 8 ft lower than centerline of junction of paved rd. and dirt rd. SE.; 80 ft NE. of, and 2 ft lower than centerline of junction of paved rd. and dirt rd. N.; in E. concrete wing wall of small concrete bridge; standard tablet stamped "98 RHP 1959 925", painted "BM 925.4"	925.347
		WL = 920.0 ft	
		END OF SPUR LINE	

LINE 9.
ALONG ROADS EAST IN MATEWAN QUADRANGLE (By R. H. Paine, 1959; Book AV 805 h)

8 18	9.43	U.E., 2 ft higher than centerline of rd. at curve; at outside of sharp hairpin curve; on SW. end of bottom concrete step of walk to house; painted square, painted "UE 1435.1"	1435.239
8 19	9.91	U.E., centerline of paved rd. at dirt rd. NE., painted "CL 1260.7"	1260.867
8 20	10.24	"G 161 1957" (USC&GS)	1207.884
		This Elev. 1207.884 USC&GS Elev. 1207.712 Closure +.172	

38
GILBERT W. VA. - VA. - KY. R. H. Paine
Book AV 805 d 6/3/60 ale 1959
LINE 7 (cont'd.)

4 29	11.18	U.E., Sarah Ann; centerline of U. S. Highway 119 at rd. E., painted "CL 994.9"	994.938
4 30	11.48	U.E., top of S. rail of C. & O. RR. at crossing of U. S. Highway 119, painted "CL 977.9"	977.943
4 31	11.97	"Z 34 1935" (USC&GS)	945.597
		This Elev. 945.597 USC&GS Elev. 945.733 Closure -.136	

LINE 8.
FROM HUFF JUNCTION ALONG ROADS SOUTHWEST TO POINT 2.4 MILES SOUTHWEST OF HUFF JUNCTION (By R. H. Paine, 1959; Book AV 805 d)

4 57	0.00	"W 162 1957" (USC&GS)	MEAN 743.589
4 57	0.29	U.E., centerline of T-rd. fork, painted "CL 748.1"	MEAN 748.121
4 58	0.69	U.E., 1 ft higher than centerline of bridge floor; on SW. end of SE. concrete wheelguard of concrete bridge; chiseled square, painted "UE 775.4"	MEAN 775.367
		WL = 761.4 ft	
4 59	1.29	U.E., centerline of paved rd. at short drive E. to dump, painted "CL 821.1"	MEAN 821.169
4 60	1.83	U.E., 0.2 ft lower than centerline of rd. at trail SE.; on SW. end of NW. concrete headwall of concrete culvert; chiseled square, painted "UE 873.2"	MEAN 873.171
		CONSTANT CARRIED FORWARD -.021	

40
GILBERT W. VA. - VA. - KY. R. H. Paine
Book AV 805 h 6/3/60 ale 1959
LINE 10.
ALONG ROADS NORTHEAST IN MATEWAN QUADRANGLE TO POINT 0.7 MILE SOUTHWEST OF OMAR (By R. H. Paine, 1959; Book AV 805 h)

8 43	12.36	U.E., centerline of graded rd. opposite bridge S., painted "CL 1026.4"	1026.417
		WL = 1020.3 ft	
8 44	13.22	Reference mark; 38 ft SE. of tablet; on E. end of S. concrete abutment of bridge; chiseled square	956.694
8 44	13.22	Barnabus, 1.8 mi SW. of; at concrete bridge over Cow Creek; in W. end of N. concrete abutment; standard tablet stamped "142 RHP 1959 957", painted "BM 956.9"	956.904
		WL = 950.8 ft	
8 45	13.83	U.E., 0.5 ft higher than centerline of bridge floor; on W. concrete wheelguard of bridge; chiseled square, painted "UE 911.6"	914.803
		WL = 907.6 ft	
8 46	14.40	U.E., on N. end of E. concrete abutment of bridge over Cow Creek; chiseled square, painted "UE 876.7"	876.762
		WL = 870.2 ft	
8 47	14.99	"A 35 1935" (USC&GS)	843.297
		This Elev. 843.297 USC&GS Elev. 843.010 Closure +.287	