

OFFICE COPY HOLD

THIRD-ORDER LEVELS
SEA LEVEL DATUM OF 1929

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

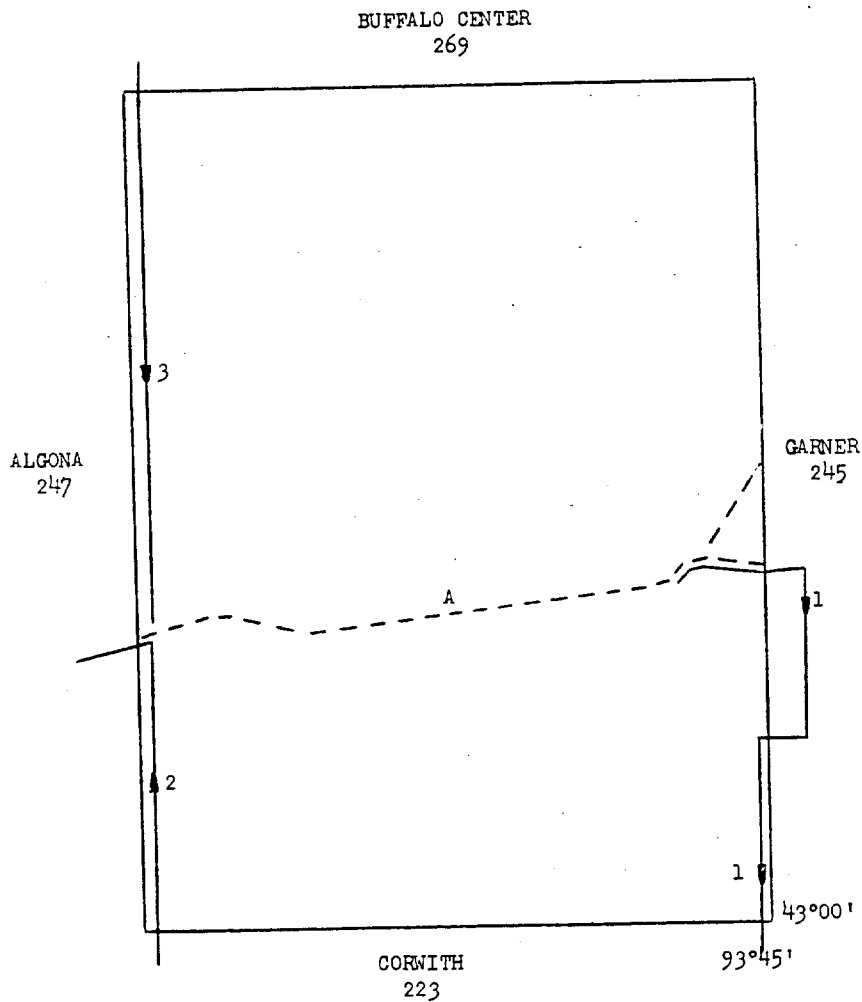
BRITT QUADRANGLE
246 - IOWA
N4300-W9345/15
DIAGRAM NK 15-1
FAIRMONT

Final Adjustment of 1929

Hancock County

Edition of: 5/6/74

PR: AKF/cb



U.S.G.S. (USC&GS) VERTICAL CONTROL DATA

Quadrangle 430933

246-A

LINE 1

FEET

G. Sandul. 1972: Book CV-2850

BRITT QUAD. - 246

3 1 0.0 Britt, 0.9 mi NE. along the Minneapolis and St. Louis RR. from the station at, approx. near center of sec. 27, T. 96 N., R. 25 W., about 130 yards NE. of the NE. edge of a wooden trestle, about 500 ft SW. along RR. from centerline of crossing of U.S. Hwy. 18, 337 ft SW. along Minneapolis and St. Louis RR. from the crossing of the Chicago Milwaukee, St. Paul and Pacific RR., 28.7 ft NW. of NW. rail, 108.4 ft NE. of a pole, 53.8 ft SW. of another pole in same line, 0.5 ft SE. of white witness sign, set in the top of concrete post projecting 3-in., a standard disk stamped "E 35 1934". 1204.617

1 0.5 UE E 35 A, 0.5 mi E. of BM along U.S. Hwy. 18, near quarter cor. between secs. 26 and 27, T. 96 N., R. 25 W., 53 ft N. and 40 ft E. of centerline of T-rd. N., in base on S. side of power pole, a RR. spike, painted "UE" 1209.42

2 1.5 UE E 35 B, 1.5 mi E. of BM along U.S. Hwy. 18, near quarter cor. between secs. 25 and 26, T. 96 N., R. 25 W., 55 ft N. and 36 ft E. of centerline of T-rd. N., in base on S. side of power pole, a RR. spike, painted "UE" 1218.08

GARNER QUAD. - 245

3 1.9 UE E 35 C, 1.8 mi E. of BM along U.S. Hwy. 18, in $W\frac{1}{2}$ of sec. 25, T. 96 N., R. 25 W., 17 ft S. and 54 ft E. of centerline of concrete bridge, 19.6 ft above water level, on SE. corner of S. curb, a chiseled square; painted "UE" 1214.21

4 2.8 Britt, 3.5 mi E. of, near S. sixteenth cor. between secs. 25 and 30, T. 96 N., Rs. 24 and 25 W., 170 ft E. along RR. from centerline of N.-S. gravel rd. grade crossing; 39.5 ft S. of S. rail, 9.7 ft W. of a pole, 5.7 ft N. of right-of-way fence, 1.9 ft N. of white witness sign, set on top of 10 ft copper coated steel rod, a standard tablet stamped "24 SAN 1972" 1245.105

5 2.8 Reference mark, 126 ft W. of BM, 49 ft S. and 44 ft E. of centerline of grade crossing, in base on NW. side of corner fence post, a RR. spike; painted "RM" 1244.91

6 4.1 UE 24 A, 1.25 mi S. of BM along gravel rd., near cor. secs. 1, 6, 31 and 36, Tps. 95 and 96 N., Rs. 24 and 25 W., 37 ft N. and 20 ft W. of centerline of crossroads, on W. end of concrete pipe culvert, a chiseled square; painted "UE" 1241.50

7 5.1 UE 24 B, 2.3 mi S. of BM along gravel rd. near cor. secs. 1, 6, 7 and 12, T. 95 N., Rs. 24 and 25 W., 45 ft N. and 27 ft W. of centerline of crossroads, on W. end of corrugated steel culvert, top of stove bolt, painted "UE" 1232.95

8 5.7 Reference mark, about 385 ft NNE. of BM, 176 ft S. along rd. from centerline of rd. at E.-W. fence, 17 ft normal and on E. side of centerline of rd., on E. end (0.6 ft W. of E. end) of corrugated steel culvert, top of stove bolt, painted "RM" 1223.02

9 5.8 Britt, 2.5 mi S. and 3.5 mi E. of, about 550 ft S. of quarter cor. between secs. 7 and 12, T. 95 N., Rs. 24 and 25 W., 24.4 ft SE. of SE. corner of white house, 50 ft normal and on W. side of centerline of rd. 18 ft normal and on N. side of centerline of driveway, 16.0 ft W. of yard fence corner, 1.0 ft S. of fence, 14.6 ft W. of 14-in. spruce tree, 9.0 ft S. of 16-in. spruce tree, set on the top of 10 ft copper coated steel rod and flush with ground, a standard tablet stamped "25 SAN 1972" 1228.080

10 6.2 UE 25 A, 0.4 mi S. of BM along gravel rd., near cor. secs. 7, 12, 13 and 18, T. 95 N., Rs. 24 and 25 W., 33 ft N. and 142 ft W. of centerline of T-rd. N., in base on SE. side of power pole, a RR. spike, painted "UE" 1220.46

<u>LINE 1 (Cont'd)</u>		<u>BRITT QUAD. - 246</u>	<u>FEET</u>
3	11 7.1	UE 25 B, 0.4 mi S. and 1.0 mi W. of BM along gravel rds., near cor. secs. 11, 12, 13, and 14, T. 95 N., R. 25 W., 19 ft N. and 22 ft E. of centerline of T-rd. S. (dirt S.), on N. end of concrete pipe culvert, a chiseled square; painted "UE"	1205.23
	12 8.2	Reference mark, about 238 ft NW. of BM and across rd., 24 ft normal and on W. side of centerline of rd., on W. end of flanged corrugated steel culvert, top of stove bolt, painted "RM"	1216.49
	13 8.3	Britt, 4.0 mi S. and 2.5 mi E. of, about 630 ft S. along rd. from crossroads, at cor. secs. 13, 14, 23 and 24, T. 95 N., R. 25 W., 206 ft W. of the SW. corner of a large white house, 153 ft normal and on E. side of centerline of rd., 23 ft normal and on S. side of centerline of E.-W. drive almost opposite point where drive forks to the E., 19.2 ft SE. of fence corner, 7.0 ft SE. of fence corner, 7.0 ft SE. of SE. gate post, 1.3 ft NE. of fence, 0.9 ft NE. of white witness sign, set on top of 10 ft copper coated steel and 0.2 ft below ground surface, a standard tablet stamped "26 SAN 1972"	1217.516
	14 9.2	UE 26 A, 0.9 mi S. of BM along gravel rd., near cor. secs. 23, 24, 25 and 26, T. 95 N., R. 25 W., 34 ft S. and 34 ft E. of centerline of crossroads, (dirt rd. W.), in base on W. side of corner fence post, a RR. spike; painted "UE"	1251.67
	15 10.2	UE 26 B, 1.9 mi S. of BM along gravel rd., near cor. secs. 25, 26, 35 and 36, T. 95 N., R. 25 W., 47 ft S. and 35 ft W. of centerline of crossroads, in base on NE. side of cor. fence post, a RR. spike; painted "UE"	1249.78

CORWITH QUAD. - 223

	16 10.9	Britt, 6.75 mi S. and 2.5 mi E. of, 4.25 mi N. and 2.0 mi E. of Kanawha, about 1100 ft S. of rd. at E.-W. fence at quarter cor. between secs. 35 and 36, T. 95 N., R. 25 W., 232 ft NNE. of NE. corner of house owned by Morris A. Nuehring, 54 ft normal and on W. side of centerline of rd., at N. edge of shelter grove, 20.5 ft W. of N.-S. right-of-way fence, 1.5 ft S. of E.-W. fence, 0.8 ft S. of white witness sign, and 10.4 ft NW. of 12-in. pine tree, set on the top of 10 ft copper coated steel rod, a standard tablet stamped "27 SAN 1972"	1250.145
	17 10.9	Reference mark, 98 ft SE. of BM and across rd., 51 ft S. and 30 ft E. of centerline of rd. at fence W., in base on W. side of power pole, a RR. spike; painted "RM"	1251.35

LINE 2

W.E. Knouse, 1972; Book CV-2870

CORWITH QUAD. - 223

3	65 22.9	RM 17 WEK, T. 94 and 95 N., R. 27 W., about 300 ft S. of cor. secs. 1, 2, 35 and 36; on top of E. end of large concrete pipe culvert and 21 ft E. of centerline of culvert; a chiseled cross	1173.69
	66 22.9	BM 17 WEK, Wesley; 6.3 mi S. from; along county rd. R 14, 1.5 mi W. from Corwith, T. 94 and 95 N., R. 27 W. near cor. secs. 1, 2, 35 and 36; about 300 ft S. of crossroads, 22 ft W. of centerline of rd. at culvert; on top of W. end of large concrete pipe culvert; a standard cap stamped "17 WEK 1972"	1173.839

BRITT QUAD. - 246

	68 23.5	UE 17/ ^B T. 95 N., R. 27 W., near quarter cor. secs. 35 and 36; centerline of rd. at E.-W. fence; copper nail and washer	1177.8
	69 24.0	UE 17/ ^C T. 95 N., R. 27 W., near cor. secs. 25, 26, 35 and 36; centerline of crossroads, copper nail and washer	1173.8

<u>LINE 2 (Cont'd)</u>		<u>BRITT QUAD. - 246</u>	<u>FEET</u>
		secs. 25 and 26,	
3	70 24.4	UE 17 D, T. 95 N., R. 27 W., about ft S. of quarter cor. on top and center of W. wheel rail of bridge, 0.6 ft higher than centerline of bridge floor and 12.4 ft above water level; chiseled cross	1166.40
72	25.0	UE 17 F, T. 95 N., R. 27 W., near cor. secs. 23, 24, 25 and 26; centerline of crossroads; copper nail and washer	1171.3
73	25.5	UE 17 G, T. 95 N., R. 27 W., near quarter cor. secs. 23, and 24, centerline of rd. at fence E.; copper nail and washer	1171.9
74	26.0	Wesley, 3.3 mi S. from along County road R 14, T. 95 N., R. 27 W., near cor. secs. 13, 14, 23 and 24, 68 ft S. and 46 ft W. of center of crossroads, 26 ft S. and 1 ft E. of fence corner post; 1 ft E. of W. right-of-way fence; on top of copper coated steel post and cased in a 6-in. by 1 ft piece of plastic well casing, a standard tablet stamped "18 WEK 1972"	1169.493
75	26.0	Reference mark 18 WEK, T. 95 N., R. 27 W., near cor. secs. 13, 14, 23 and 24; centerline of crossroads copper nail and washer	1174.20
76	26.5	UE 18 A, T. 95 N., R. 27 W., near quarter cor. secs. 13 and 14; centerline of rd. at E.-W. fence; top of rod flush with road surface	1176.5
77	27.0	UE 18 B, T. 95 N., R. 27 W., near cor. secs. 11, 12, 13 and 14; centerline of crossroads; top of rod set flush with road surface	1210.7
78	27.5	UE 18 C, T. 95 N., R. 27 W., near quarter cor. secs. 11, 12 and centerline of rd. at E.-W. fence, top of rod set flush with road surface	1255.1
79	28.0	UE 18 D, T. 95 N., R. 27 W., near cor. secs. 1, 2, 11 and 12; centerline of crossroads; top of rod set flush with road surface	1271.7
80	28.5	UE 18 E, T. 95 N., R. 27 W. near quarter cor. secs. 1 and 2, centerline of rd. at E.-W. fence; copper nail and washer	1270.2
4	1 29.1	UE 18 F, T. 95 and 96 N., R. 27 W., near cor. secs. 1, 2, 35 and 36; centerline of crossroads, copper nail and washer (at S. edge)	1252.2
2	29.5	Reference mark 19 WEK, T. 96 N., R. 27 W., about 0.4 mi N. of cor. secs. 1, 2, 35 and 36; center of street; intersection (main E.-W. street of Wesley and N.-S. section road); chiseled cross	1255.88
3	29.6	BM 19 WEK, at Wesley, T. 96 N., R. 27 W., in E. center portion of sec. 35; 9 ft S. of S. curb of main E.-W. street; 3 ft W. and 0.5 ft N. of NE. cor. of post office; at base of E. end of window; set in sidewalk; a standard cap; stamped "19 WEK 1972"	1257.711
4	30.0	UE 19 A, T. 96 N., R. 27 W. in central portion of sec. 35; at W. edge of Wesley; and centerline of old hwy. at crossroads; chiseled cross	1248.7
5	30.5	UE 19 B, T. 96 N., R. 27 W. between SW $\frac{1}{4}$ sec. 35 and SE $\frac{1}{4}$ cor. sec. 34, crossroads (old Hwy. and N.-S. sec. rd.); top of rod set flush with road surface	1238.2
6	31.0	UE 19 C, T. 96 N., R. 27 W., in S. central portion of sec. 34; centerline of old hwy. at half mile fence S. (at W. edge of cemetery); top of rod flush with road surface	1218.9
7	31.5	UE 19 D, T. 96 N., R. 27 W. between SE $\frac{1}{4}$ sec. 33 and SW $\frac{1}{4}$ sec. 34, centerline of old hwy. at N.-S. sec. road; top of rod set flush with road surface	1198.1

ALGONA QUAD. - 247

FEET

LINE 2 (Cont'd)

- 4 8 31.5 BM, 1.9 mi W. along U.S. Hwy. 18 from Wesley, Kossuth County, 0.1 mi W. of the SE. cor. of sec. 33, T. 96 N., R. 27 W., at a concrete box culvert, and in the top of the N. headwall, a State Survey standard disk stamped "55 - 4" (Elev. by USC&GS) 1197.658

LINE 3

W.E. Knouse, 1972; Book CV-2870

BUFFALO CENTER QUAD. - 269

- 5 47 17.0 Titonka, 1.5 mi N. and 2.5 mi E. from along County rds. B 14 and R 14, 11.0 mi N. of Wesley; T. 97 N., R. 98 W. near cor. secs. 1, 2, 35 and 36; 76 ft S. and 49 ft W. of crossroads; 1 ft E. of W. right-of-way fence; a standard cap on a rod type piece of clay tile; stamped "25 WEK 1972" 1182.565

BRITT QUAD. - 246

- 48 18.8 UE 25 A, T. 97 N., R. 27 W., near cor. secs. 1, 2, 11 and 12; center of crossroads, (also center of floor of bridge as bridge runs diagonally across from crossroads); chiseled square water level 12.8 ft below UE (07-26-72) 1165.4
- 49 19.3 UE 25 B, T. 97 N., R. 27 W., near quarter cor. secs. 11 and 12; centerline of rd. at road crossing; copper nail and washer 1173.5
- 50 19.8 UE 25 C, T. 97 N., R. 27 W., near cor. secs. 11, 12, 13 and 14, centerline of crossroads; top of rod in road 1172.5
- 51 20.3 UE 25 D, T. 97 N., R. 27 W. near quarter cor. secs. 13 and 14; centerline of rd. at E.-W. fence; top of rod in road 1173.8
- 52 20.8 UE 25 E, T. 97 N., R. 27 W., near cor. secs. 13, 14, 23 and 24; centerline crossroads; top rod in road 1185.0
- 53 21.1 Reference mark 26 WEK, T. 97 N., R. 27 W., about 0.3 mi S. cor. secs. 13, 14, 23 and 24; center bridge floor and 11.3 ft above water; chiseled square 1176.04
- 54 21.1 Titonka, 1.8 mi S. and 2.5 mi E. from along Co. Rd. R 14, 7.7 mi N. of Wesley, T. 97 N., R. 27 W., about 0.3 mi S. cor. secs. 13, 14, 23 and 24; near S. end of W. concrete wheel guard; a standard cap set in wheel guard; stamped "26 WEK 1972 RESET 1973" 1176.808
- 56 21.8 UE 26 B, T. 97 N., R. 27 W., near cor. secs. 23, 24, 25 and 26; centerline of crossroads; top of rod in road 1184.8
- 57 22.3 UE 26 C, T. 97 N., R. 27 W., near quarter cor. secs. 25 and 26; centerline of rd. at E.-W. fence; top of rod in road 1187.9
- 58 22.8 UE 26 D, T. 97 N., R. 27 W., near cor. secs. 25, 26, 35 and 36; center of wood floor of bridge and 12.8 ft above water level (07-27-72); copper nail and washer 1185.3
- 59 23.3 UE 26 E, T. 97 N., R. 27 W., near quarter cor. secs. 35 and 36; centerline of rd. at E.-W. fence; top rod in rock 1195.3
- 60 23.8 RM 27 WEK, T. 96 N., and 97 N., R. 27 W. near cor. secs. 1, 2, 35 and 36; centerline of crossroads; top rod in road 1205.94
- 61 23.9 Wesley, 5.0 mi N. from along Co. Rd., 4.5 mi S. and 2.5 mi E. from Titonka, 46 ft S. and 60 ft W. of crossroads on W. r-o-w line; on rod type support and encased in 6 by 1-in. piece of clay tile; standard cap stamped "27 WEK 1972 RESET 1973" 1202.064

LINE 3 (Cont'd)

BRITT QUAD. - 246

FEET

4	62	24.3	UE 27 A, T. 96 N., R. 27 W. near quarter cor. secs. 1 and 2; centerline of rd. at E.-W. fence; top of rod in road	1206.1
	63	24.8	UE 27 B, T. 96 N., R. 27 W., near cor. secs. 1, 2, 11 and 12, centerline of crossroads; top of rod in road	1195.7
	64	24.9	UE 27 C, T. 96 N., R. 27 W., about 320 ft S. of cor. secs. 1, 2, 11 and 12, center floor of bridge and 12.6 ft above water level; painted square (07-27-72)	1194.0
	65	25.3	UE 27 D, T. 96 N., R. 27 W., near quarter cor. secs. 11 and 12, centerline of rd. at E.-W. fence; top of rod in road	1214.0
	66	25.8	UE 27 E, T. 96 N., R. 27 W., near cor. secs. 11, 12, 13 and 14, centerline of T-rd. E., top rod in road	1212.4
	67	26.3	UE 27 F, T. 96 N., R. 27 W., near quarter cor. secs. 13 and 14; centerline of rd. at fence W., top of rod in road	1242.5
	68	26.3	RM 28 WEK, T. 96 N., R. 27 W., near cor. secs. 13, 14, 23 and 24; centerline of rd. at crossroads; top rod in road	1243.10
	69	26.9	Wesley, 2.0 mi N. from along Co. Rd. R-14, 7.5 mi S. and 2.5 mi E. from Titonka, T. 96 N., R. 27 W., near cor. secs. 13, 14, 23 and 24; 76 ft S. and 60 ft W. of crossroads on W. r-o-w line, on rod supported BM encased in a 6 by 1-in. clay tile; standard cap stamped "28 WEK 1972 RESET 1973"	1239.344
	70	27.3	UE 28 A, T. 96 N., R. 27 W., near quarter cor. secs. 23 and 24, centerline of rd. at fence W.; top rod in road	1241.2
	71	27.8	UE 28 B, T. 96 N., R. 27 W., near cor. secs. 23, 24, 25 and 26, centerline of crossroads; top rod in road	1244.5
	72	28.3	UE 28 C, T. 96 N., R. 27 W. near quarter cor. secs. 25 and 26, centerline of rd. at E.-W. fence; top of RR. spike	1242.0
	73	28.6	UE 28 D, T. 96 N., R. 27 W., between S $\frac{1}{4}$ secs. 25 and 26; center floor bridge and 8.5 ft above water level(07-28-72); copper nail and washer	1235.7
	74	28.8	UE 28 E, T. 96 N., R. 27 W., near cor. secs. 25, 26, 35 and 36; centerline of crossroads; chiseled cross	1242.7
	75	29.4	UE 28 F, T. 96 N., R. 27 W., near quarter cor. secs. 35 and 36; centerline of RR. crossing	1255.9
	76	29.5	BM 19 WEK (Described in Line 2)	1257.711