

THIRD ORDER LEVELS
AS LEVEL DATUM OF 1929

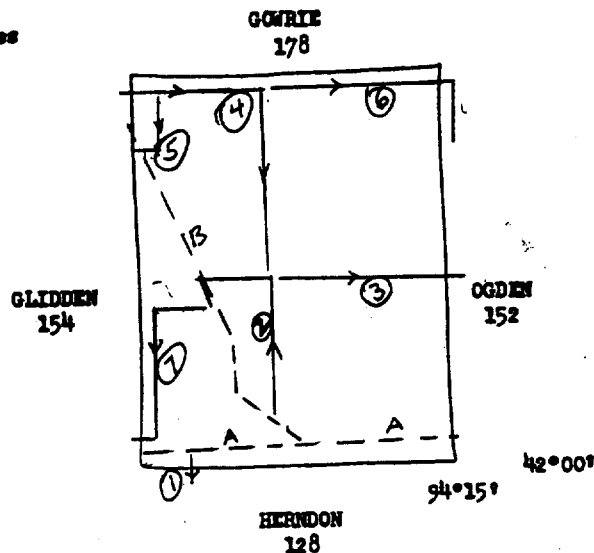
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

JEFFERSON QUADRANGLE
153 - IOWA
N4200-W9415/15

Calhoun, Greene and Webster Counties

Edition of 9/28/60

PR: AH:vd



USCAGS LEVELING LINES

- A. Ogden to Smithland, Iowa, 1936; second-order; Line No. 62
- B. Beckwith City, to Jefferson, Iowa, 1935; second order; Line No. 74

LINE 1

Feet

SOUTH ALONG SOUTH PORTION WEST BORDER (by J. D. Finch, 1953; Book GV 564)

JEFFERSON QUAD. - 153

- 0.0 About 3.6 mi E. along the C. and NW. RR. from the station at Seranton, Green County, 30 ft E. of signal box 271, at a rd. crossing, 27 ft W. of the center of the rd., 12 ft S. of the center of the track standard disk stamped "J 89 1935" and set in the top of a concrete post (reported not found 6/60 R.C.B.) 1116.569
- 0.5 UE J 89-A, 0.4 mi S. and 0.1 mi W. of; along U.S. Hwy 30 on N. side, on NE. corner of a concrete culvert; chiseled square 1121.65
- 1.4 UE J 89-B, 0.4 mi S. along dirt rd., thence 1.0 mi W. along U.S. Hwy 30 from SE. corner of T-rd. S., on top of a cast iron drain cover for culvert; painted square 1142.0
- 1.9 UE J 89-C, 0.4 mi S. along gravel rd., 1.0 mi W. along U.S. Hwy. 30, 0.5 mi S. along gravel rd. from; on E. side of rd., about 60 ft N. of T-fence W.; in power pole; rail spike 1150.05

HERNDON QUAD. - 128

- 2.5 Seranton, 2.0 mi S. and 3.0 mi E. of, 628 ft S. and 32 ft W. of crossroads, ocr. seers. 17, 18, 19 and 20, T. 83 N., R. 31 W., 1 ft E. of W. right-of-way fence, in concrete post; standard tablet stamped "TT 18 T 1953" 1161.456
- 2.5 Reference mark, 250 ft SE. of tablet, on E. side of rd., in power pole, rail spike 1159.89
- 3.0 UE 18-A, 0.5 mi S. along gravel rd., in S. end of concrete culvert on E. side of rd., chiseled square 1154.89

153A

ION QUADRANGLE
IONA

LINE 2

THRU CENTER OF SOUTH PORTION OF QUADRANGLE THENCE WEST (J. H. Tyndale, 1960 Book CV 1222)

Feet

JEFFERSON QUAD. - 153

- 1 1 0.0 Jefferson, 3.25 mi N. and 2.0 mi W. of; near N. sixteenth cor. secs. 25 and 26, T. 84 N., R. 31 W.; 4.3 mi NW. along C.M. St. P. and P. RR. from depot at Jefferson; 45 ft SW. of center of track, 39 ft W. of center of rd.; at rd. crossing RR; 15 ft NW. of fence corner; in concrete post; standard CAGS disk stamped "X 101 1935" 1059.069
- 1 0.7 UE, top of SW. rail at N.-S. fences, near center sec. 25, T. 84 N., R. 31 W.; unpainted 1055.1
- 1 0.7 UE, 13 ft S. of center of RR; 5.4 ft concrete tube culvert; 4 ft NE. of SW. end; N. edge of 2-in. hole; unpainted 1045.7
- 1 1.4 Jefferson, 2.5 mi N. and 1.0 mi W. of, 2.8 mi NW. along C.M. St. P and P RR. from depot at Jefferson; 1100 ft S. of T-rd. E., cor. secs. 25, 36, 30 and 31, T. 84 N., R. 30, and 31 W.; 45 ft SW. of center of track; 39 ft W. of center of rd. at rd. crossing RR; 15 ft NW. of fence corner; in concrete post; standard USCAGS disk stamped "Y 101 1935" 1050.923
1059.923
- 2 1.4 UE, T-rd. E.; cor. secs. 25, 36, 30 and 31, T. 84 N., R. 30 and 31 W.; center of; painted "UE centerline 1050.3" 1050.3
- 2 2.2 UE, center of rd. at N.-S. fences, quarter cor. secs. 30 and 31, T. 84 N., R. 30 W., centerline; painted "UE centerline 1039.7" 1039.7
- 3 2.7 UE, crossroads (Iowa Hwy. 17 N.-S.), cor. secs. 29, 30, 31 and 32, T. 84 N., R. 30 W., copper nail and washer painted "UE centerline 1024.5" 1024.49
- 4 3.1 UE, center of Iowa Hwy. 17 at E.-W. fences, quarter cor. secs. 29 and 30, T. 84 N., R. 30 W., painted "UE centerline 1031.9" 1031.9
- 5 3.7 UE, center of Iowa Hwy. 17 at E.-W. fences, cor. secs. 19, 20, 29 and 30, T. 84 N., R. 30 W.; copper nail and washer; painted "UE centerline 1033.4" 1033.35
- 6 4.2 UE, center of rd. at fence E. quarter cor. secs. 19 and 20, T. 84 N., R. 30 W., copper nail and washer painted "UE centerline 1043.9" 1043.82
- 7 4.8 Reference mark, 330 ft NE. of tablet; 34 ft N., 26 ft E. and 1.5 ft lower than crossroad; E. end 4 x 5 ft concrete box culvert center headwall; chiseled square painted "RM 1069.4" 1069.39
- 7 4.8 Jefferson, 4.5 mi N. of 288 ft S., 56 ft W. (of Iowa Hwy. 17) and 2.9 ft lower than crossroad, cor. secs. 17, 18, 19 and 20, T. 84 N., R. 30 W., 2 ft E. of W. right-of-way fence; in concrete post; standard tablet stamped "1 T 1960 1067" 1067.328
- 8 5.3 UE, T-rd. E. (fence W.), quarter cor. sec. 17 and 18, T. 84 N., R. 30 W., copper nail and washer painted "UE centerline 1087.4" 1087.34
- 9 5.8 UE, center of Iowa Hwy 17 at E.-W. fences, cor. sec. 7, 8, 17 and 18, T. 84 N., R. 30 W., painted "UE centerline 1095.8" 1095.7
- 10 6.3 UE, center of Iowa Hwy. 17 at E.-W. fences, quarter cor. sec. 7 and 8, T. 84 N., R. 30 W.; crossmark painted "UE centerline 1077.6" 1077.5
- 11 6.9 Reference mark, 220 ft E. of tablet; crossroad (Iowa 17 N.-S.); centerline chiseled square painted "RM 1075.0 centerline" 1074.90
- 11 6.9 Jefferson, 6.5 mi N. of 28 ft S., 220 ft W. (of Iowa Hwy. 17), and 0.8 ft lower than crossroad, cor. sec. 5, 6, 7, and 8, T. 84 N., R. 30 W., 2 ft N. of S. right-of-way fence; in concrete post; standard tablet stamped "2 T 1960 1074" 1074.282

LINE 2 (Cont'd)

JEFFERSON QUAD. - 153

Feet

1 12	7.4	UE, center of Iowa Hry. 17 at E.-W. fences, quarter cor. sec. 5 and 6, T. 84 N., R. 30 W., centerline painted "UE centerline 1069.2"	1069.2
13	8.0	UE, 33 ft S., 22 ft W. and 0.4 ft higher than crossroad, cor. secs. 5, 6, 31 and 32, Tps. 84 and 85 N., R. 30 W.; Iowa Hry. 17 N.-S; center W. concrete headwall 10x30 ft bridge; chiseled square; painted "UE 1068.8"	1068.70
14	8.5	UE, center of rd. at fence E., quarter cor. sec. 31 and 32, T. 85 N., R. 30 W., centerline painted "UE centerline 1079.2"	1079.2
15	9.0	Reference mark, 530 ft SSW. of tablet, 21 ft W. of center 2 x 2 ft concrete box culvert; 0.2 ft lower than center of culvert; center of W. headwall; top copper bolt stamped "1 AC BM" in chiseled square painted "RM 1076.0"	1075.86
15	9.0	Jefferson, 8.5 mi N. of; 37 ft S., 90 ft E. and 0.5 ft lower than crossroad, (Iowa Hry. 17 N.-S.) cor. secs. 29, 30, 31 and 32, T. 85 N., R. 30 W.; 18 ft N. of NE corner of school; concrete post and standard tablet stamped "3 T 1960 1079"	1079.228
16	9.5	UE, center of rd. at N.-S. fences, quarter cor. secs. 30 and 31, T. 85 N., R. 30 W., painted "UE centerline 1092.2"	1092.1
17	10.0	UE, crossroad, cor. secs. 25, 36, 30 and 31, T. 85 N., R. 30 and 31 W., painted "UE centerline 1086.2"	1086.1
18	10.5	UE, center of rd. at N.-S. fences, quarter cor. sec. 25 and 36, T. 85 N., R. 31 W.; painted "UE centerline 1088.8"	1088.7
19	10.8	UE, T-rd. N., W. sixteenth cor. sec. 25 and 36, T. 85 N., R. 31 W.; painted "UE centerline 1093.1"	1092.9
20	11.0	UE, T-rd. S., cor. secs. 25, 26, 35 and 36, T. 85 N., R. 31 W., painted "UE centerline 1092.9"	1092.8
21	11.5	UE, center of rd. at N.-S. fences, quarter cor. secs. 26 and 35, T. 85 N., R. 31 W., painted "UE centerline 1102.2"	1102.1
22	11.8	Jefferson, 8.5 mi N., and 2.75 mi W. of; 30 ft S. 215 ft E., and 5.3 ft higher than crossroad; W. sixteenth cor. secs. 26, and 35, T. 85 N., R. 31 W., 2 ft N. of S. right-of-way fence; in concrete post; standard tablet stamped "4 T 1960 1106"	1106.264
22	11.8	Reference mark, 275 ft W. of tablet; 27 ft S., 60 ft W. and 4.7 ft lower than crossroad top 1.5 yd imbedded boulder, chiseled square; painted "RM 1096.3"	1096.22
23	12.3	UE, center of rd. at fence N., E. sixteenth cor. secs. 27 and 34, T. 85 N., R. 31 W., 60 ft E. of E. and steel truss bridge; centerline; painted "UE centerline 1068.7"	1068.6
24	12.5	UE, center of rd. at N.-S. fences, quarter cor. sec. 27 and 34, T. 85 N., R. 31 W., painted "UE centerline 1098.9"	1098.8
25	13.0	UE, 25 ft S., 32 ft W., and 2.1 ft lower than crossroad, cor. secs. 27, 28, 33 and 34, T. 85 N., R. 31 W.; E. end 1.5 ft concrete tube drive culvert; chiseled square; painted "UE 1097.3"	1097.24
26	13.5	UE, center of rd. at N.-S. fences, quarter cor. sec. 28 and 33, T. 85 N., R. 31 W., painted "UE centerline 1117.6"	1112.5
27	14.0	UE, T-rd. E., cor. secs. 28, 29, 32 and 33, T. 85 N., R. 31 W., center of chiseled square painted "UE centerline 1116.8"	1116.70
28	14.5	UE, center of County Hry. "E", at E.-W. fences, quarter cor. secs. 32 and 33, T. 85 N., R. 31 W.; painted "UE centerline 1121.5"	1121.5
29	15.1	Churden, 2.3 mi S. of along C.M.St. P. and P. RR.; 84 ft S., 40 ft E. of center of track, 0.6 ft higher than rd. crossing RR., near cor. secs. 32, 33, 4 and 5, Tps. 84 and 85 N., R. 31 W.; 6 ft N. of utility pole; in concrete post; standard disk stamped "T 101 1935" USCAGS	1139.017

JEFFERSON QUADRANGLE
453 - IOWA

LINE 3

Feet

EAST THRU CENTER OF EAST PORTION OF QUADRANGLE (J. H. Tyndale, 1960 Book CV 1222)

JEFFERSON QUAD. - 153

1	30	0.0	"3 T 1960" (described in Line 2)	1079.228
30	0.5	UE, center of rd. at fence S., quarter cor. sec. 29 and 32, T. 85 N., R. 30 W., painted "UE centerline 1086.4"	1086.2	
31	1.0	UE, T-rd. S., cor. secs. 28, 29, 32 and 33, T. 85 N., R. 30 W., painted "UE centerline 1098.6"	1098.5	
32	1.5	UE, T-rd. N., quarter cor. secs. 28 and 33, T. 85 N., R. 30 W., painted "UE centerline 1092.2"	1092.1	
33	2.0	UE, center of rd. at fence S., and field line N., cor. secs. 27, 28, 33 and 34, T. 85 N., R. 30 W., painted "UE centerline 1091.5"	1091.4	
34	2.5	UE, center of rd. at fence S., quarter cor. sec. 27 and 34, T. 85 N., R. 30 W., painted "UE centerline 1086.6"	1086.5	
35	2.9	Reference mark, 920 ft W. of tablet, 15 ft N., 2 ft E. and 0.5 ft lower than E. end steel truss bridge over stream; center of NE. concrete wingwall chiseled square painted "RM 1063.6"	1063.50	
35	2.9	Jefferson, 8.5 mi N. and 3.0 mi E. of, 36 ft N., 340 ft W. and 1.5 ft higher than T-rd. W.; cor. secs. 26, 27, 34 and 35, T. 85 N., R. 30 W., 2 ft N. of N. right-of-way fence; in concrete post; standard tablet stamped "5 T 1960 1086"	1085.969	
36	3.5	UE, 2 ft S., 18 ft E. and 2.5 ft higher than T-fence E., near $\frac{1}{4}$ cor. secs. 26 and 35, T. 85 N., R. 30 W.; 0.5 yd. imbedded granite boulder; high point 1.5 ft above ground, chiseled square; unpainted	1090.91	
37	4.0	UE, 29 ft N., 30 ft E. and 2.9 ft lower than T-rd. E., cor. secs. 25, 26, 35 and 36, T. 85 N., R. 30 W., W. and 1.5 ft concrete tube drive culvert; chiseled square; painted "UE 1093.0"	1092.90	
38	4.5	UE, center of rd. at fence S., ($\frac{1}{2}$ mile S.) and W.; W. face red corn crib, near quarter cor. secs. 25 and 36, T. 85 N., R. 30 W., painted "UE centerline 1090.0"	1089.9	
39	5.1	Reference mark, 107 ft W. of tablet; 35 ft S., 40 ft E., and 0.6 ft lower than crossroad, 0.5 ft above ground; NW side power pole RR. spike painted "RM 1100.1"	1099.98	
39	5.1	Jefferson, 8.5 mi N. and 5.0 mi E. of and 33 ft S.; 147 ft E. and 0.2 ft higher than crossroad, cor. secs. 25, 30, 31 and 36, T. 85 N., R. 29 and 30 W., 1 ft N. of S. right-of-way fence; in concrete post; standard tablet stamped "5 T 1960, 1101"	1100.777	
40	5.6	UE, center of rd. at N.-S. fences, quarter cor. sec. 30 and 31, T. 85 N., R. 29 W., painted "UE centerline 1099.4"	1099.3	
41	6.1	UE, 12 ft N., 32 ft E. and 0.6 ft lower than T-rd. N., cor. secs. 29, 30, 31 and 32 T. 85 N., R. 29 W., NW. wingwall bridge over stream; 5 ft N. of railing of steel truss bridge; painted "UE 1074.2"	1074.1	
42	6.7	UE, center of rd. at N.-S. fences, quarter cor. secs. 29 and 32, T. 85 N., R. 29 W., painted "UE centerline 1100.3"	1100.1	

OGDEN QUAD. - 152

45	8.1	Dana, 1.0 mi N. of; 620 ft N. and 62 ft E. of cor. secs. 4, 5, 32 and 33, Tps. 84 and 85 N., R. 29 W., 16 ft N. and 62 ft E. of intersection of private rd. E.; 5 ft N. and 3 ft E. of telephone pole in concrete post; standard tablet stamped "TT 8 B 1940"	1089.193
----	-----	---	----------

LINE 4

Feet

NORTH THRU CENTER OF NORTH PORTION OF QUADRANGLE THENCE WEST (J. H. Tyndale, 1960 Book CV-1222)

1	46	0.0	"3 T 1960" (described in Line 2)	1079.228
	46	0.5	UE, center of rd. at E.-W. fences, quarter cor. secs. 29 and 30, T. 85 N., R. 30 W., painted "UE centerline 1077.7"	1077.6
	47	1.0	UE, crossroad, cor. sec. 19, 20, 29 and 30, T. 85 N., R. 30 W., head of $\frac{1}{2}$ in. bolt painted "UE centerline 1086.3"	1086.2
	48	1.5	UE, center of rd. at E.-W. fences, quarter cor. secs. 19, and 20, T. 85 N., R. 30 W., top $\frac{1}{2}$ in bolt; painted "UE centerline 1093.8"	1093.6
	49	2.0	Reference mark, 188 ft NNE of tablet; crossroad (Greene County J N.-S.) painted "RM centerline 1091.2"	1091.07
	49	2.5	Jefferson, 10.5 mi N. of 186 ft S., 39 ft W. and 1.9 ft higher than crossroad (county Hry. "H" and "J"), cor. secs. 17, 18, 19 and 20, T. 85 N., R. 30 W., 28 ft N. of T-fence W.; 1 ft E. of W. right-of-way fence in concrete post; standard tablet stamped "7 T 1960 1093"	1093.131
	50	3.0	UE, center of County Hry. "J" at E.-W. fences, quarter cor. secs. 17 and 18, T. 85 N., R. 30 W., head $\frac{1}{2}$ in. bolt; painted "UE centerline 1099.1"	1099.0
	51	3.5	UE, crossroad, cor. secs. 7, 8, 17 and 18, T. 85 N., R. 30 W., lead plug; painted "UE centerline 1091.1"	1090.96
	52	4.0	UE, center of County Hry. "J" at E.-W. fences, quarter cor. secs. 7 and 8, T. 85 N., R. 30 W., head $\frac{1}{2}$ in. bolt; painted "UE centerline 1100.2"	1100.0
	53	4.5	UE, crossroad (county "J" N.-S.) cor. secs. 5, 6, 7 and 8, T. 85 N., R. 30 W.; head $\frac{1}{2}$ in. bolt; painted "UE 1105.1 centerline"	1105.0
	54	5.0	UE, center of rd. at E.-W. fences, quarter cor. secs. 5 and 6, T. 85 N., R. 30 W., head $\frac{1}{2}$ in. bolt; centerline; painted "UE centerline 1109.5"	1109.4
	55	5.5	Reference mark, crossroad (Green County "J" N.-S.); 162 ft SSW. of tablet, head $\frac{3}{4}$ in. iron bolt; painted "RM centerline 1111.1"	1110.97
	55	5.5	Jefferson, 13.5 mi N. of; at Greene-Boone County line; 160 ft N., 47 ft E., and 2.4 ft lower than crossroad (county "J" N.-S.) cor. secs. 5, 6, 31 and 32, Tps. 85 and 86 N., R. 30 W.; 1 ft W. of E. right-of-way fence; in concrete post; standard tablet stamped "8 T 1960 1109"	1108.722
	56	6.0	UE, center of County Hry. "J" at E.-W. fences, quarter cor. secs. 31 and 32, T. 86 N., R. 30 W., painted "UE centerline 1109.9"	1109.8
	57	6.5	UE, crossroad (county Hry. "J" N.-S.) cor. secs. 29, 30, 31 and 32, T. 86 N., R. 30 W., painted "UE centerline 1119.1"	1118.9
	58	7.0	UE, center of rd at E.-W. fences (Co. Hry "J" N.-S.), quarter cor. secs. 29 and 30, T. 86 N., R. 30 W.; painted "UE centerline 1119.7"	1119.6
	59	7.5	Reference mark, crossroad (Co. Hry. "J" N.-S.), 100 ft NNE of tablet; copper nail and washer, painted "RM centerline 1124.5"	1124.16
	59	7.5	Jefferson, 15.5 mi N. of; 90 ft S., 45 ft W. and 4.0 ft lower than crossroad, cor. secs. 19, 20, 39 and 30, T. 86 N., R. 30 W.; 1 ft E. of W. right-of-way fence, 45 ft W. of center of County Hry. "J" in. concrete post; standard tablet stamped "9 T 1960 1120"	1120.168

AFTERNOON QUADRANGLE
153 - IOWA

LINE 4 (Cont'd)

JEFFERSON QUAD. - 153

Feet

1 60	8.0	UE, center of rd. at N.-S. fences, quarter cor. secs. 19 and 30, T. 86 N., R. 30 W., painted "UE centerline 1114.2"	1114.2
61	8.5	UE, crossroad, cor. secs. 19, 24, 25, and 30, T. 86 N., R. 30, and 31 W.; painted "UE centerline 1120.6"	1120.4
62	9.0	UE, center of rd. at N.-S. fences, quarter corner secs. 24 and 25, T. 86 N., R. 31 W., painted "UE centerline 1120.8"	1120.6
63	9.5	UE, crossroad, cor. secs. 23, 24, 25 and 26, T. 86 N., R. 31 W.; painted "UE centerline 1113.4"	1113.2
64	9.9	UE, 12 ft N., 4 ft W. and 1.25 ft higher than center of 5x5 ft concrete box culvert 710 ft E. of center of rd. at fence S., quarter cor. secs. 23 and 26, T. 86 N., R. 31 W., center of N. headwall; chiseled square; painted "UE 1101.0"	1100.79
65	10.6	Reference mark, 200 ft S. of tablet, 165 ft S., 28 ft W. and 2.2 ft lower than crossroad; N. end 1 ft concrete tube culvert; chiseled square; painted "RM 1127.7"	1127.52
65	10.6	40 ft N. and 30 ft W. of Farnhamville, about 2.5 mi S. and 1.5 mi W. of crossroads, at cor. secs. 22, 23, 26 and 27, T. 86 N., R. 31 W., in concrete post; standard tablet stamped "TT 10 0 1936 1128"	1127.694
66	11.1	UE, center of rd. at N.-S. fences, quarter cor. sec. 22 and 27, T. 86 N., R. 31 W., painted "UE centerline 1128.9"	1128.7
67	11.6	UE, 58 ft N., 12 ft W. and 1.4 ft lower than crossroad, cor. secs. 21, 22, 27 and 28, T. 86 N., R. 31 W., center W. headwall concrete tube culvert; chiseled square; painted "UE 1134.4"	1134.38
68	12.1	UE, center of rd. at N.-S. fences, quarter cor. secs. 21 and 28, T. 86 N., R. 31 W., painted UE centerline 1129.0"	1128.8
69	12.6	UE, crossroad, (Iowa 17 N.-S.) cor. secs. 20, 21, 28 and 29, T. 86 N., R. 31 W., copper nail and washer painted "UE centerline 1137.0"	1137.64
70	13.1	UE, center of rd. at fence N., quarter cor. secs. 20 and 29, T. 86 N., R. 31 W., painted "UE centerline 1136.6"	1136.4
71	13.6	Reference mark, 144 ft ENE. of tablet, 34 ft N., 58 ft E. and 1.9 ft lower than crossroad, steel fence post projecting 0.8 ft above ground, 1 ft S. of N. right-of-way fence; painted "RM 1140.8"	1140.63
71	13.6	Lohrville, about 2.0 mi S. and 2.0 mi E. of, 39 ft S. and 70 ft W. of crossroads at cor. secs. 19, 20, 29 and 30, T. 86 N., R. 31 W., 42 ft W. of fence corner in concrete post standard tablet stamped "TT 9 0 1936 1144"	1143.662

GLIDDEN QUAD. - 154

72	14.1	UE, center of rd. at fence N., quarter cor. sec. 19 and 30, T. 86 N., R. 31 W., painted "UE centerline 1130.0"	1130.5
73	14.5	UE, T-rd. N., cor. secs. 19, 30, 24 and 25, T. 86 N., R. 31 and 32 W., painted "UE centerline 1131.2"	1130.9
74	14.9	Lohrville, 2.3 mi SE. from station at, along C.M. St. P. and P. RR. near E. sixteenth cor. secs. 24 and 25, T. 86 N., R. 31 W., 40 ft S. and 46 ft E., 4.1 ft higher than rd. crossing RR.; 9 ft S. of fence corner 1 ft W. of fence; in concrete post; standard USGS tablet stamped "N 101 1935"	1133.075

LINE 5

SOUTH AND WEST IN NORTHWEST PORTION OF QUADRANGLE (J. H. Tyndale, 1960; Book CV 1222)

JEFFERSON QUAD. - 153

1 75	0.0	"TT 9 C 1936 1144" (described in Line 4)	1143.662
75	0.5	UE, center of rd. at fence W., quarter cor. secs. 29 and 30, T. 86 N., R. 31 W.; painted "UE centerline 1133.6"	1133.4
76	1.0	UE, crossroad, cor. sec. 29, 30, 31 and 32, T. 86 N., R. 31 W., painted "UE centerline 1138.8"	1138.5
77	1.5	UE, center of rd. at E.-W. fence, quarter cor. secs. 31 and 32, T. 86 N., R. 31 W.; painted "UE centerline 1130.6"	1130.4
78	2.0	UE, 33 ft N., 29 ft W. and 0.6 ft lower than crossroads, cor. secs. 5, 6, 31 and 32 Tps. 85 and 86 N., R. 31 W., E. side power dead end pole, 0.5 ft above ground; RR spike; painted "UE 1122.8"	1122.59

GLIDDEN QUAD. - 154

79	2.5	Adams, 1.1 mi N. along the G.M. St. P. and P. RR. from the station at; near $\frac{1}{2}$ cor. secs. 6 and 31, T. 85 N., R. 31 W., at a rd. crossing, 45 ft E. of center of RR. track 30 ft S. of center of rd. 5 ft S. of a fence cor. 2 ft W. of fence line, and 1.7 ft lower than rd. crossing RR. track; in concrete post; standard USGAGS disk stamped "P 101 1935"	1119.903
----	-----	--	----------

LINE 6

EAST ALONG EAST PORTION OF NORTH BORDER, THENCE SOUTH (J. H. Tyndale, 1960; Book CV 1222)

2 1	0.0	"T 1960 1120" (described in Line 4)	1120.168
1	0.5	UE, center of rd. at field line N., quarter cor. secs. 20 and 29, T. 86 N., R. 30 W., painted "UE centerline 1119.2"	1119.0
2	1.0	UE, center of timber deck bridge; 510 ft W. of sec. cor. between 21 and 28, T. 86 N., R. 30 W., painted "UE centerline 1101.1"	1101.0
2	1.0	UE, center of rd. at N.-S. fences, cor. secs. 20, 21, 28 and 29, T. 86 N., R. 30 W., painted "UE centerline 1106.6"	1106.5
3	2.0	UE, crossroad, cor. secs. 21, 22, 27 and 28, T. 86 N., R. 30 W., painted "UE centerline 1107.2"	1107.0
4	3.1	Reference mark, 36 ft S., 20 ft E. and 1.1 ft lower than crossroad, E. end 24-in. concrete tube culvert, 132 ft W. of tablet; chiseled square, cor. secs. 22, 23, 26 and 27, T. 86 N., R. 30 W., painted "RM 1109.3"	1109.16
4	3.1	Jefferson, 15.5 mi N. and 3.0 mi E. of, 40 ft S., 151 ft E. of crossroads, cor. secs. 22, 23, 26 and 27, T. 86 N., R. 30 W., 12 ft W. of utility pole on S. right-of-way E.-W. fence line, in concrete post; standard tablet stamped "TT 12 C. 1936" (Re set 1960 1109)	1109.504
5	3.6	UE, center of rd. at fence S., quarter cor. secs. 23 and 26, T. 86 N., R. 30 W., painted "UE centerline 1123.3"	1123.1
6	4.1	UE, crossroad, cor. secs. 23, 24, 25 and 26, T. 86 N., R. 30 W., copper nail and washer; painted "UE centerline 1122.7"	1122.51
7	4.6	UE, center of rd. at fence S., quarter cor. secs. 24, and 25, T. 86 N., R. 30 W., painted "UE centerline 1127.6"	1127.4

ON QUADRANGLE
JWA

6 (Cont'd)

JEFFERSON QUAD. - 153

- | | | <u>Feet</u> |
|--------|--|-------------|
| 8 5.1 | UE, T-rd. W., cor. secs. 19, 24, 25 and 30, T. 86 N., R. 29 and 30 W.; painted "UE centerline 1132.6" | 1132.4 |
| 9 5.7 | Reference mark, 165 ft W. of tablet, 33 ft S. 35 ft E. and 0.2 ft higher than T-rd. E., NE. side power pole, 0.2 ft above ground RR. spike; painted "RM 1143.8" | 1143.84 |
| 9 5.7 | Jefferson, 16 mi N., and 5.0 mi E. of; 36 ft S., 200 ft E. of T-rd. E., and 1.0 ft lower quarter cor. secs. 19 and 24, T. 86 N., R. 29 W.; 1 ft S. of S. right-of-way E.-W. fence line; in concrete post; standard tablet stamped "10 T 1960 1142.670" | 1142.670 |
| 10 6.2 | UE, center of rd. at N.-S. fences, center sec. 19, T. 86 N., R. 29 W., painted "UE centerline 1143.8" | 1143.7 |
| 11 6.7 | UE, T-rd. W., quarter cor. secs. 19 and 20, T. 86 N., R. 29 W., painted "UE centerline 1142.8" | 1142.7 |
| 12 6.7 | UE, 30 ft N., 52 ft E. and 1.6 ft lower than T-rd. E., cor. secs. 19, 20, 29 and 30, T. 86 N., R. 29 W.; NE. side power transformer pole; 0.5 ft above ground, RR. spike; painted "UE 1137.4" | 1137.23 |

OGDEN QUAD. - 152

- | | | |
|---------|--|----------|
| 13 7.2 | UE, center of rd. at N.-S. fences, quarter cor. secs. 20 and 29, T. 86 N., R. 29 W., painted UE centerline 1131.4 | 1131.2 |
| 14 7.2 | Grand Junction, 16.0 mi N. of along State Hwy. 144; 32 ft S., 545 ft W. of crossroad cor. secs. 20, 21, 28 and 29, T. 86 N., R. 29 W., 1 ft N. of S. right-of-way fence, and 6.6 ft higher; in concrete post; standard tablet stamped "11 T 1960 1132.975" | 1132.975 |
| 14 7.2 | Reference mark, 497 ft E. of tablet; 28 ft S., 48 ft W. and 5 ft lower than crossroad; S. end 2-ft. concrete tube culvert; chiseled square; painted "RM 1121.4" | 1121.30 |
| 15 7.7 | UE, center of Hwy. 144 at fence W., quarter cor. secs. 28 and 29, T. 86 N., R. 29 W., copper nail and washer painted "UE centerline 1141.9" | 1141.75 |
| 16 7.7 | UE, crossroad, cor. secs. 28, 29, 32 and 33, T. 86 N., R. 29 W., copper nail and washer painted "UE centerline 1140.2" | 1140.00 |
| 17 8.7 | UE, center of rd. at fence W., copper nail and washer; painted "UE centerline 1124.4" | 1124.25 |
| 19 9.7 | UE, center of Hwy. 144, at E.-W. fences, quarter cor. secs. 4 and 5, T. 85 N., R. 29 W., copper nail and washer painted "UE centerline 1128.2" | 1128.06 |
| 20 10.2 | Reference mark, 56 ft WSW of tablet; crossroad, $\frac{1}{2}$ in. belt painted "RM centerline 1125.0" | 1124.84 |
| 20 10.2 | Paton, 2.0 mi N. and 0.5 mi E. of; 35 ft N., 44 ft E., center of Hwy. 144; cor. secs. 4, 5, 8 and 9, T. 85 N., R. 29 W., in concrete post; standard tablet stamped "TT 10 B 1948 1123" | 1123.097 |

LINE 7

SOUTH ALONG SOUTH PORTION OF WEST BORDER (J. H. Tyndale, 1960; Book CV 1222)

JEFFERSON QUAD. - 153

- | | | |
|----------|---|----------|
| 2 21 0.0 | Churchman, 2.3 mi S. of along C.M. St. P. and P. RR., 84 ft S., 40 ft E. of center of track crossing RR. and 0.6 ft higher than rd., near cor. secs. 4, 5, 32 and 33, Tps. 84 and 85 N., R. 31 W., 6 ft N. of utility pole, in concrete post; standard tablet stamped "T 101 1935" (USCAGS List No. 74) | 1139.017 |
|----------|---|----------|

LINE 7 (Cont'd)

JEFFERSON QUAD. - 153

Feet

2	21	0.5	UE, center of rd. at N.-S. fences, quarter cor. secs. 5 and 32, T. 85 N., R. 31 W., painted "UE centerline 1163.7"	1163.7
22	1.0	UE, center of crossroad, at cor. secs. 5, 6, 31 and 32, T. 85 N., R. 31 W., painted "UE centerline 1183.7"	1183.7	
23	1.6	UE, center of rd. at E.-W. fences, quarter cor. secs. 5, and 6, T. 84 N., R. 31 W., painted "UE centerline 1141.0"	1141.1	
24	2.1	UE, crossroad at cor. secs. 5, 6, 7 and 8, T. 84 N., R. 31 W., painted "UE centerline 1129.4"	1129.4	
25	2.6	UE, center of rd. at E.-W. fences, quarter cor. secs. 7, and 8, T. 84 N., R. 31 W., painted "UE centerline 1095.5"	1095.5	
26	3.2	Reference mark, 210 ft NNE of tablet, 30 ft N., 27 ft E. and 2.3 ft lower than crossroad, 1 ft S. of cor. steel fence post, concrete base of post; chiseled square painted "RM 1086.0"	1086.04	
26	3.2	Jefferson, 5.5 mi N., and 6.0 mi W. of, 185 ft S., 32 ft W. and 0.8 ft lower than crossroad, cor. sec. 7, 8, 17 and 18, T. 84 N., R. 31 W., 1 ft E. of W. right-of-way fence in concrete post; standard tablet stamped "12 T 1960 1087"	1087.425	
27	3.7	UE, center of rd. at fence W., quarter cor. secs. 17 and 18, T. 84 N., R. 31 W., painted "UE centerline 1100.7"	1100.6	
28	4.2	UE, 36 ft S., 23 ft W., and 3.9 ft higher than crossroad, cor. secs. 17, 18, 19 and 20, T. 84 N., R. 31 W., E. side transformer poles, 0.5 ft above ground, RR. spike painted "UE 1118.8"	1118.74	
29	4.7	UE, center of rd. at E.-W. fences, quarter cor. secs. 19 and 20, T. 84 N., R. 31 W., painted "UE centerline 1099.2"	1099.2	
30	5.2	UE, center of rd. at E.-W. fences, cor. secs. 19, 20, 29 and 30, T. 84 N., R. 31 W., painted "UE centerline 1098.2"	1098.1	
31	5.6	Reference mark, 220 ft E. of tablet, 30 ft N., 37 ft W. and 1.3 ft lower than crossroad, SW. end 1.5 ft concrete tube driveway culvert; chiseled square; painted "RM 1102.3"	1102.24	
31	5.6	Jefferson, 3.25 mi N., 6.0 mi W. of; 95 ft N., 255 ft W. and 2.2 ft higher than crossroad, sixteenth cor. secs. 29, and 30, T. 84 N., R. 31 W., 1 ft S. of N. right-of-way fence, in concrete post standard tablet stamped "13 T 1960 1106"	1105.782	
32	6.5	UE, rd. fork (T-rd. NW.) near cor. secs. 29, 30, 31 and 32, T. 84 N., R. 31 W., painted "UE centerline 1021.2"	1021.1	
33	6.6	UE, 12 ft SE. of SW. end center of concrete bridge and 0.7 ft higher than Racoon River(?) top S. end E. concrete abut, 1 ft S. of expansion plate; chiseled square; near cor. secs. 29, 30, 31 and 32, T. 84 N., R. 31 W., painted "UE 1024.1"	1024.11	
34	7.2	UE, rd. fork (T-rd. W.) at NE corner, rd. triangle; center sec. 31, T. 84 N., R. 31 W., painted "UE centerline 1113.2"	1113.2	
35	7.7	UE, T-rd. N., (U.S. Hwy. 30 E.-W.) quarter cor. secs. 6, and 31, T. 84 N., R. 31 W., painted "UE centerline 1118.3" chiseled square painted "1118.3"	1118.26	
36	8.3	Jefferson, 1.5 mi N., and 6.0 mi W. of; 59 ft N., 350 ft W., and 8.5 ft higher than T-rd. S., (U.S. Hwy. 30 E.-W.) cor. secs. 5, 6, 31 and 32, Tps. 83 and 84 N., R. 31 W., 21 ft E. of utility pole; 1 ft S. of N. right-of-way fence; in concrete post; standard tablet stamped "14 T 1960 1126"	1126.082	
36	8.3	Reference mark, 250 ft E. of tablet, 59 ft N., 100 ft W., and 4.5 ft higher than T-rd. S.; top of RR. rail, right-of-way marker; chiseled cross; on fence line; painted "RM 1122.2"	1122.12	

0
EFFERSON QUADRANGLE
153 - IOWA

LINE 7 (Cont'd)

GLIDDEN QUAD. - 154

Feet

2 38	9.1	UE, 120 ft W., and 0.1 ft lower than rd. fork, (center triangle), 21 ft N., center of rd., 36-in. concrete tube culvert; chiseled square, painted "UE 1036.6"	1036.56
39	9.9	UE, 9 ft S. of E. abutment of wood deck bridge, above stream; and 2.1 ft lower; 1.5 ft below wood curb; SW. $\frac{1}{2}$ in. rivet of SE. abutment girder; painted "UE 1074.3"	1074.3
40	10.5	UE; center of rd. at fence S., (fence N. offset) painted "UE centerline 1146.0"	1145.9
41	10.7	UE, T-rd. S., painted "UE centerline 1154.0"	1153.9
42	11.2	Seranton, 1.1 mi E. of, along C. & NW. RR. from depot at; near center sec. 12, T. 83 N., R. 31 W., 45 ft N., 30 ft W., and 3.0 ft lower than rd. crossing RR.; 3 ft SE. of fence corner, 3 ft SW. of utility pole, in concrete post; standard USCAOS disk, stamped "K 89 1935"	1155.890