

112

THIRD-ORDER LEVELS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

42-093-42
CLARION QUADRANGLE
199 - IOWA
N4230-W9330/15
DIAGRAM NK 15-5
WATERLOO

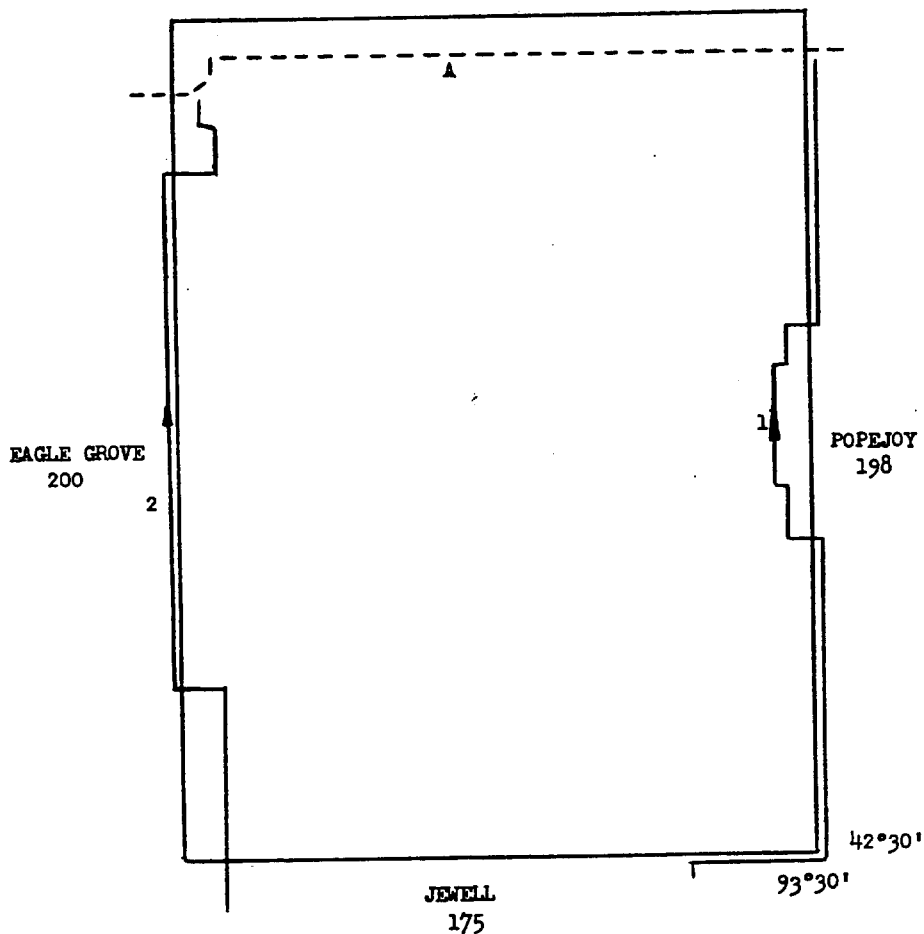
Final Adjustment of 1974

Hamilton and Wright Counties

Edition: 1-1-75

PR: ADP/cb

BELMOND
222



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

A. Quadrangle No. 420934

199A

LINE 1

FEET

C.D. Lien, 1974; Book CV-3126

JEWELL QUAD. - 175

- | | | | | |
|----|-----|---|---|----------|
| 1 | 2 | 0.0 | At Williams, 170 yards E. of the Illinois Central RR. station, 170 yards W. of milepost 341, 57.6 ft S. of the S. rail of the N. side of track, 21.4 ft S. of the S. rail of the main track and 7 ft S. and 39 ft E. of the NE. cor. of a small shed, set on top of a concrete post set flush with ground a standard USC&GS disk stamped "N 31 1934". | 1205.053 |
| 4 | 1.0 | UE N 31 A, 1.0 mi N. along Hwy. 20 from tablet, 52.5 ft N., 45.9 ft E. of crossroads on top of a 0.25 in rod in top of a 2 x 2-in. concrete post right-of-way marker which projects 0.6 ft above ground NOTE: 2.6 ft lower than crossroads | 1196.09 | |
| 8 | 2.0 | UE N 31 B, 1 mi N., 1.05 mi E. of tablet, 24.6 ft N., 7 ft E. of; and 1 ft lower than centerline of road at field approach N. and 256 ft W. of centerline of road at private drive N., a punched hole in a metal culvert | 1189.00 | |
| 10 | 2.5 | EM, Williams, jct. U.S. Hwy. 20 and county road 23, 1 mi N., 1.5 mi E. of; T. 89 N., R. 23 W., sec. cors. 23, 24, 25 and 26, 219.8 ft S., 12 ft W. of; and 6.5 ft lower than centerline of road at T-rd. S., at offset crossroads, cemented in the center of the W. headwall of a concrete box culvert, a standard tablet stamped "1 CDL 1974" | 1159.973 | |
| 11 | 2.5 | Reference mark, 68.9 ft N., 49.2 ft E. of tablet, 150.9 ft S., 26 ft E. of centerline of road, at T-rd. S., 9 ft N., 4 ft W. of a telephone pole and 2 ft W. of a right-of-way fence, a chiseled square on rock | 1159.26 | |
| 4 | 3.6 | UE 1 A, 1 mi E. along road from tablet, 21 ft E., 15 ft S. of; and 2.4 ft lower than centerline of road at T-rd. W., a chiseled square on a concrete culvert | 1142.71 | |
| 16 | 4.6 | UE 1 B, 1 mi E., 1 mi N. of tablet, a copper nail and washer in centerline of road at T-rd. S. at offset crossroads | 1149.45 | |
| 20 | 5.6 | Williams at the jct. of U.S. Hwy. 20 and county road D-23, 3 mi N., 2.5 mi E. of, T. 89 N., R. 22 and 23 W., sec. cors. 1, 6, 7 and 12, 26.2 ft S., 62 ft W. of, and 2.9 ft lower than crossroads, 26.2 ft S. of centerline of the W. end of a bridge over drainage ditch and 8.2 ft N. of a fence post, with a witness sign, set on top of a 0.5-in. copper coated steel rod encircled by a 6-in. tile set flush with ground on W. bank of drainage ditch, a standard tablet stamped "2 CDL 1974". | 1144.436 | |
| 21 | 5.6 | Reference mark, 20 ft N., 25 ft W. of crossroads, 20 ft N. of the centerline of the E. end of bridge over drainage ditch and 46.2 ft N., 37 ft E. of tablet, a copper nail and washer on top of a bridge piling in the NE. cor. of bridge | 1145.64 | |
| 23 | 6.6 | UE 2 A, 1 mi N. along road from tablet, 34 ft S., 22 ft E. of; and 2.3 ft lower than crossroads, a chiseled square on a concrete culvert | 1146.06 | |
| 27 | 7.6 | UE 2 B, 2 mi N. along road from tablet, 52.5 ft N., 39.4 ft E. of; and 2.3 ft lower than centerline of T-rd. E. on top of a 0.5 in. steel rod which projects 0.2 ft above ground | 1152.16 | |
| 31 | 8.8 | Reference mark, 27 ft E. of centerline of road at E. and W. fence lines and 41.4 ft E., 19.7 ft N. of tablet, a chiseled square on the S. end of a concrete culvert under field entrance E. | 1146.73 | |
| 32 | 8.8 | Williams at the jct. of U.S. Hwy. 20 and county road D-23, 6.25 mi N., 2.5 mi E. of; Dows at RR. crossing main Street, 5.75 mi S. of; T. 90 N., R. 22 and 23 W., near the S. sixteenth cor. between secs. 25 and 30, 19.7 ft S., 14.4 ft W. of, and 0.4 ft lower than centerline of road at E.-W. fence lines, cemented in the center of headwall for concrete culvert, a standard tablet stamped "3 CDL 1974" | 1148.971 | |

LINE 1 (Cont'd)

POPEJOY QUAD. - 198

FEET

1 35 9.9 UE 3 A, 1.04 mi N. along road from tablet, 45.9 ft N., 32.8 ft E. of; and 2.3 ft lower than T-rd. E. and 1.5 ft N., 0.4 ft W. of a fence corner on top of a 0.5-in. iron rod which projects 0.3 ft above ground 1152.87

CLARION QUAD. - 199 IA.

38 10.8 UE 3 B, 1.50 mi N., 0.5 mi W. along road from tablet, a copper nail and washer in centerline of bridge 1141.82

40 11.6 Dows, Main Street at RR. crossing, 3.5 mi S., 0.5 mi W. of; T. 90 N., R. 23 W., at the center of sec. 13, 19 ft N., 27 ft E. of; and 0.6 ft lower than T-rd. S. cemented in the center of a round 3 ft concrete culvert, a standard tablet stamped "4 CDL 1974" 1139.989

41 11.6 Reference mark, 10 ft N., 21 ft E. of tablet and 29 ft N., 48 ft E. of T-rd. S., a punched hole in a metal culvert 1138.37

44 12.7 UE 4 A, 0.8 mi N. and 0.33 mi W. of tablet, 15 ft N., 17.6 ft E. of; and 0.3 ft higher than centerline of bridge and 30 ft S., 17.6 ft E. of centerline of road at drive W. a chiseled square on the NE. cor. of bridge 1142.77

46 13.7 UE 4 B, 1.7 mi N., 0.33 mi W. of tablet, a copper nail and washer centerline of road at T-rd. W. 1154.20

50 14.6 Dows, Main Street at RR. crossing, 0.75 mi S., 0.5 mi W. of, T. 91 N., R. 23 W., near the quarter cor. between secs. 1 and 36, 558 ft NE. of T-rd. W., 45.5 ft E. of; and 5.4 ft lower than centerline of road over drain, and 288 ft N. of centerline of road at a private drive S. cemented in the top of a round 6 ft concrete culvert, a standard tablet stamped "5 CDL 1974" 1147.074

51 15.3 UE 5 A, 0.7 mi N. along road, from tablet, a copper nail and washer in centerline of road at T-street E. Burrows Street and Shepherd Street 1166.76

POPEJOY QUAD. - 198 IA.

53 16.6 UE 5 B, 1.4 mi N., 0.5 mi E. of tablet and 0.7 mi N. of Dows at Main Street and RR. crossing, a chiseled square in the centerline of road at T-rd. E. 1153.80

55 17.1 Dows Main Street and RR. crossing, 1.25 mi N. of, T. 91 N., R. 22 and 23 W., near the S. sixteenth cor. between secs. 19 and 24, 102 ft N., 12 ft E. of; and 0.6 ft higher than centerline of bridge over the Iowa River cemented in the NE. cor. of bridge, a standard tablet stamped "6 CDL 1974" 1152.598

56 17.3 Reference mark, 633 ft N., 45 ft W. of tablet and 33 ft W. of centerline of road over drain, a punched hole in a metal culvert 1140.55

58 18.1 UE 6 A, 0.96 mi N. along road from tablet, a copper nail and washer in centerline of crossroads 1201.01

60 18.8 UE 6 B, 2 mi N. along road from tablet, 52.5 ft S., 29.5 ft W. of; and 3.8 ft lower than centerline of road at a private drive W., a chiseled square on a concrete footing 1212.79

64 19.7 Dows, Main Street at RR. crossing, 4 mi N. of; T. 91 N., R. 22 and 23 W., sec. cors. 1, 6, 7 and 12, 321.5 ft W., 12.5 ft S. of and 2.2 ft lower than crossroads cemented in the center of a headwall for 4 ft concrete box culvert, a standard tablet stamped "7 CDL 1964" (Maybe erroneously stamped - should be "1974") 1226.520

LINE 1 (Cont'd)

POPEJOY QUAD. - 198 LA.

FEET

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|----|------|--|--|---------|
| 1 | 65 | 19.8 | Reference mark, 39 ft S., 19 ft W. of crossroads, and 26.5 ft S., 303 ft E. of tablet, a chiseled square on a concrete culvert | 1224.83 |
| 68 | 20.8 | UE 7 A, 1 mi N. along road from tablet, 23.0 ft N., 42.7 ft W. of and 3.8 ft lower than crossroads; a chiseled square on a concrete culvert | 1229.36 | |
| 69 | 21.4 | BM, in Franklin County, about 2.7 mi E. along the Chicago Great Western RR. from the station at Rowan, Wright County, 150 yards W. of milepost 332. 185 yards E. of overpass of a N.-S. section road crossing, 44.7 ft S. of the S. rail and 1.5 ft N. of a right-of-way fence, a standard USC&GS disk set in the top of a concrete post projecting 0.2 ft stamped "U 28 1934" | 1238.501 | |

LINE 2

C.D. Lien, 1974; Book CV-3142

JEWELL QUAD. - 175

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|----|-----|--|---|---------|
| 1 | 9 | 2.2 | UE W 31 D, 1 mi E. along RR. tracks, then 0.75 mi N. along road from tablet, 24 ft S., 54 ft W. of; and 2.5 ft lower than crossroads and 11 ft W. of centerline of a field entrance S., a chiseled square on a rock | 1153.79 |
| 12 | 3.2 | Reference mark, 15.5 ft S., 34 ft W. of centerline of road at field entrance W., 0.8 ft S., of telephone pole, 1.5 ft N. of a telephone pole and 42.2 ft S. and 48.2 ft E. of tablet a chiseled on rock which sits between two telephone poles | 1157.55 | |
| 13 | 3.3 | Clarion at courthouse, 16 mi S. of; T. 89 N., R. 24 and 25 W., sec. cors. 19, 24, 25 and 30, 27 ft N., 82.2 ft W. of; and 2.3 ft lower than centerline of road at field entrance W. cemented in the NE. cor. of a concrete foundation for corn crib, the most northerly and smallest one is a group of three cribs, a standard tablet stamped "8 CDL 1974" | 1156.938 | |

CLARION QUAD. - 199

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|----|-----|--|----------|
| 16 | 3.8 | UE 8 A, 0.58 mi N. along road from tablet, 12 ft N., 12 ft W. of; and 0.1 ft lower than centerline of bridge, a chiseled square in the NW. cor. of headwall of a concrete bridge | 1154.02 |
| 19 | 4.8 | UE 8 B, 1.51 mi N. along road from tablet, 21 ft N., 48 ft E. of; and 1.7 ft lower than crossroads, 10 ft E. of centerline of a field entrance N.; a chiseled square on a rock | 1151.73 |
| 21 | 5.6 | Clarion at courthouse, 13.5 mi S. of; T. 89 N., R. 24 and 25 W., near the quarter cor. between secs. 7 and 12, 12 ft E. of and 0.2 ft higher than centerline of bridge, 169.2 ft S. of centerline of road at field entrance E. and 0.17 mi S. of centerline of road at T-rd. W. cemented in the E. headwall of a 8 ft concrete culvert, a standard tablet stamped "9 CDL 1974" | 1151.015 |
| 22 | 5.6 | Reference mark, 154.2 ft N., 7 ft E. of tablet and 33 ft S., 15.3 ft E. of centerline of road at field entrance E., a chiseled square on a rock | 1153.45 |
| 26 | 6.6 | UE 9 A, 1 mi N. along road from tablet, 11 ft N., 12 ft E. of; and 0.5 ft lower than centerline of bridge, a chiseled square in the NE. cor. of a concrete bridge | 1146.55 |

EAGLE ROCK QUAD. - 200

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|----|-----|--|---------|
| 30 | 7.8 | UE 9 B, 1.16 mi N. and 1 mi W. along road from tablet, 36.1 ft N., 32.8 ft E. of, and 2.6 ft lower than centerline of T-rd. N., a RR. spike in a corner fence post | 1137.42 |
| 32 | 8.5 | UE 9 C, 1.88 mi N., 1 mi W. along road from tablet, 17 ft S., 26 ft E. and 38 ft lower than centerline of road at field road crossing, a chiseled square on a concrete culvert | 1141.46 |

LINE 2 (Cont'd)

EAGLE ROCK QUAD. - 200

FEET

1	35	9.3	Reference mark, 65.6 ft S., 59 ft E. of tablet and 23 ft S., 45 ft E. of crossroads, a chiseled square on a concrete culvert	1144.16
36	9.3		Clarion at courthouse, 11 mi S., 1 mi W. of; T. 90 N., R. 25 W., sec. cors. 25, 26, 35 and 36, 44 ft N., 17 ft W. of; and 3.3 ft lower than crossroads and 3.2 ft SE. of a stop sign, cemented in the top of a 3 ft round concrete culvert, a standard tablet stamped "10 CDL 1974"	1144.303
41	10.3		UE 10 A, 1 mi N. along road from tablet, 24 ft N., 57 ft W. of; and 3.1 ft lower than crossroads and 10 ft W. of centerline of a field entrance N., a punched hole in a metal culvert	1142.96
44	11.3		UE 10 B, 2 mi N. along road from tablet, 26.3 ft N., 29.5 ft W. of; and 2.1 ft higher than crossroads, a chiseled square on a concrete culvert	1136.53
46	12.2		Reference mark, 17 ft N., 18 ft W. of centerline of road at field entrance W. and 262.5 ft S., 30 ft W. of tablet, a chiseled square on a rock	1121.60
47	12.2		Clarion at courthouse, 8 mi S., 1 mi W. of; T. 90 N., R. 25 W., near sec. cors. 11, 12, 13 and 14, 10 ft N., 9.6 ft E. of centerline of bridge and 459.3 ft S. of crossroads, cemented in the NE. cor. of concrete floor of bridge with a wooden railing, a standard tablet stamped "11 CDL 1974"	1121.156
51	13.3		UE 11 A, 1.1 mi N. along road from tablet, 33 ft N., 18 ft W. of; and 2.3 ft lower than crossroads, a punched hole in a metal culvert	1129.49
54	14.4		UE 11 B, 2.2 mi N. along road from tablet, 443 ft N., 14 ft W. of; and 9 ft lower than crossroads, a chiseled square on headwall of a 3 ft box culvert	1136.15
57	15.3		Clarion at courthouse, 5 mi S., 1 mi W. of; T. 91 N., R. 25 W. sec. cors. 25, 26, 35 and 36, 26.3 ft S., 26.4 ft W. of; and 4.2 ft lower than crossroads, cemented in the top of a 4 ft round concrete culvert, a standard tablet stamped "12 CDL 1974"	1145.269
58	15.3		Reference mark, 37.7 ft N., 32.4 ft W. of crossroads, 64 ft N., 6 ft W. of tablet and 17.2 ft E. of centerline of a field entrance N., a chiseled square on a concrete culvert	1144.37
61	16.4		UE 12 A, 1.13 mi N. along road from tablet, 10.3 ft S., 26 ft W. of; and 1.3 ft lower than centerline of road at a private drive W., a punched hole in a metal culvert	1157.63
64	17.4		UE 12 B, 32.8 ft S., 32.8 ft E. of; and 3.8 ft lower than crossroads, a chiseled square on concrete footing for a corner fence post	1153.33
69	18.5		Clarion at courthouse, 2 mi S., 1 mi W. of; T. 91 N., R. 25 W., near sec. cors. 11, 12, 13, and 14, 11.4 ft N., 14 ft E. of; and 0.7 ft lower than centerline of bridge and 896 ft (0.17 mi) E. of T-rd. S., cemented in the center of the NE. wingwall of a concrete bridge, a standard tablet stamped "13 CDL 1974"	1156.751
70	18.5		Reference mark, 34.6 ft N., 46.4 ft E. of centerline of bridge, 23 ft N., 32.4 ft E. of tablet and 15.6 ft E. of the centerline of a field entrance N., a punched hole in a metal culvert	1152.90

CLARION QUAD. - 199

72	19.4		UE 13 A, 0.84 mi E. along road from tablet, a chiseled square in the centerline of crossroads	1169.31
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42-093-42
CLARION QUADRANGLE
199 - IOWA

LINE 2 (Cont'd)

CLARION QUAD. - 199

FEET

1	74	20.4	UE 13 B, 1 mi N., 0.84 mi E. of tablet, a chiseled square in centerline of crossroads	1167.85
77	21.5	UE 13 C, 0.16 mi E. of BM (USC&GS L 28 1934) on top of a bolt in centerline of road at RR. crossing	1167.10	
78	21.7	Clarion, 0.75 mi SW. along the Chicago Great Western RR., from station at, near center of NW $\frac{1}{4}$ of sec. 1, T. 91 N., R. 25 W., about 275 yards W. along RR. from crossing, of N.-S. county road, 44.9 ft N. of the N. rail of the main track, 8.3 ft ENE. of the fifth pole on N. side of track W. of road crossing, 1.7 ft S. of a right-of-way fence and 302 ft E. along main track from a switch, set in top of a concrete post projecting about 1-in., a standard USC&GS disk stamped "L 28 1934"	1160.332	