

IRD ORDER LEVELS
SEA LEVEL DATUM OF 1929

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

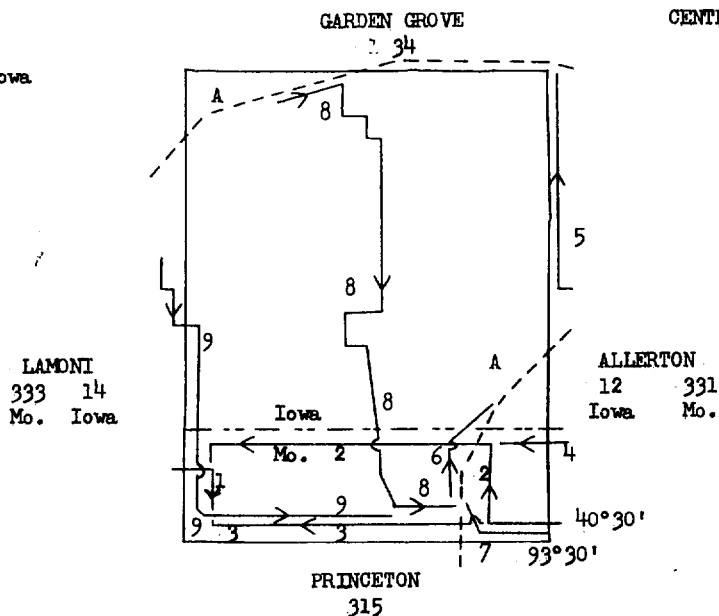
LINEVILLE QUADRANGLE
332 = MISSOURI
13 - IOWA
N4030-W9930/15
DIAGRAM NK 15-11
CENTERVILLE, IOWA MO.

Decatur and Wayne Counties, Iowa

Mercer County, Missouri

Edition of 1/15/64

PR: MLC:vdc



USC&GS LEVELING
A. No. 400934

Feet

LINE 1

GENERALLY SOUTH IN SOUTHWEST CORNER OF QUAD. (F.C. Lentz, 1936; B 7463-64-66)

LAMONI QUAD. - 333

T. 67 N., R. 26 W., in NE $\frac{1}{4}$ sec. 36; 55 ft S. of dwelling of J.H. Robbins, 36 ft N. of rd, in concrete post; standard tablet stamped "873 1934 997" 997.355

T. 67 N., R. 25 W., in SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 32, 30 ft N. and 40 ft E. from T-rd. W.; in root on E. side of 14-in. walnut tree; copper nail and washer 1075.32

LINEVILLE QUAD. - 332

T. 66 N., R. 25 W., approx. quarter cor. between secs. 4 and 5, 60 ft E. of C.B. & Q. RR., 10' ft S. of rd., on W. end of headwall of concrete culvert; chiseled square 1057.70

LINE 2

WEST, NORTH THENCE WEST FROM SOUTHEAST CORNER OF QUAD. (J.J. Crane, C. Beck, 1936-37; B 7415)

ALLERTON QUAD. - 331

Co. Rt. "M" at curve and rd. S.; 70 ft S. and 36 ft E. from, on right-of-way post; chiseled cross 1092.37

LINEVILLE QUAD. - 332

Mercer, 1.2 mi E. of; along Co. Rt. "M" N. sixteenth cor. between secs. 20 and 21, T. 66 N., R. 25 W., 28 ft N. and 18 ft W. from old crossroad, in concrete post; standard tablet stamped P T S 75 L S 1923 Mo" (not found G.J. 6/39) 1049.719

USC&GS standard disk "P 81 1935" Not described and Not found G.J. 6/39 USGS elev. 1077.107

13 C

LINEVILLE QUADRANGLE
332 - MO. 13 Iowa

<u>LINE 2 (Cont'd)</u>	<u>LINEVILLE QUAD. - 332</u>	<u>Feet</u>
T. 66 N., R. 23 W., near center of NE $\frac{1}{4}$ sec. 18, 15 ft S. and 18 ft W. from U.S. Hwy. 65 at crossroad, on headwall of culvert; chiseled square		1075.92
Lineville, 3.0 mi S. of; in SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 7, T. 66 N., R. 23 W., 11 ft S. and 16 ft W. from rd at gate to cemetery; in concrete post; standard tablet stamped "1411 1934 1087"		1086.907
Crossroad, 22 ft N. and 25 ft E. from; on headwall of culvert; chiseled square		1097.06
Lineville, 0.5 mi S. along the Chicago, Rock Island and Pacific RR. from the station at; at S. Lineville; 14.5 poles NE. of milepost 379, at the S. city limits; at a private rd. crossing, 36 ft NE. of the center of rd., 39 ft NW. of the center of track, 45 ft SE. of the center of U.S. Hwy. 65, and level with the track; a USC&GS standard disk stamped "L 81 1935" and set in the top of a concrete post		1095.582
Lineville, about 2.0 mi W. of; near NW. cor. sec. 25, T. 67 N., R. 24 W., on Iowa-Mo. State line; on SE. cor. of W. iron sill of bridge; chiseled square		938.49
Lineville, 3.1 mi W. of; along Iowa-Mo. State line rd., in SW $\frac{1}{4}$ sec. 26; T. 67 N., R. 24 W., 25 ft S. and 13 ft W. from junction of private entrance S.; in concrete post; standard tablet stamped "TT 48 JJ 1936 969"		968.908
Bridge over Weldon River, on top of SW. rivet in SW. pier; chiseled cross		879.62
T. 67 N., R. 24 W., in SE $\frac{1}{4}$ sec. 30, on Iowa-Mo. State line, 130 ft E. of T-rd. N.; 22 ft N. and 36 ft W. from rd. corner W.-S.; in concrete post; standard tablet stamped "TT 46 JJ 1936 1030"		1029.870
T. 67 N., R. 25 W., in NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 35, 20 ft N. and 30 ft W. from T-rd. N.; on headwall of concrete culvert; chiseled square		922.84
T. 67 N., R. 25 W., cor. secs. 26, 27, 34 and 35; 125 ft N. and 105 ft W. from, 30 ft S. and 105 ft W. from T-rd. W.; in concrete post; standard tablet stamped "TT 45 J J 1936 919"		919.156

LINE 3

<u>WEST ALONG SOUTH BORDER (J.J. Crane, 1937; B 7415, B 7423)</u>	<u>LINEVILLE QUAD. - 332</u>	
T. 66 N. R. 24 W., cor. secs. 14, 15, 22 and 23; 22 ft N. and 15 ft E. from T-rd. S.; 36 ft SE. of dwelling of J.D. McIntosh, in concrete post; standard tablet stamped "P T S 74 L S 1923 990"		989.926
Bridge over Weldon River, at W. end of, on rivet head in S. guardrail; chiseled cross		864.43
Bridge over Little River; at W. end of, in upstream side; on bolt head rivet; chiseled cross		872.78
T. 66 N., R. 24 W., quarter cor. between secs. 18 and 19, 100 ft NE. of dwelling of Charles Rank, 35 ft S. of rd., in concrete post; standard tablet stamped "3 C C 1937 1008"		1008.198
T. 66 N., R. 25 W., on line between secs. 14 and 23, 400 ft W. of T-rd. S.; 400 ft E. of T-rd. N.; on S. headwall of concrete culvert; chiseled square		981.82

LINE 4

<u>WEST AT SOUTHEAST PORTION OF QUAD. (J.J. Crane, 1937; B 7415 & 7423)</u>	<u>ALLERTON QUAD. - 331</u>	
Lineville, 3.2 mi E. of; in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 26, T. 67 N., R. 23 W., 440 ft W. of T-rd. S.; 21 ft N. and 24 ft E. from T-rd. N.; in concrete post; standard tablet stamped "TT 50 J J 1936 1094"		1093.973
	<u>LINEVILLE QUAD. - 332</u>	
T-rd. N., 36 ft N. and 21 ft E. from, at small dwelling on S. end of concrete step; chiseled square		107

LINE 5

Feet

NORTH ALONG NORTH PORTION OF EAST BORDER (R.L. Ealum, 1963; CV 1596)

ALLERTON QUAD. - 12

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|----------|---|----------|
| 1 12 3.2 | Cllo, 0.75 mi S. and 2.0 mi W. of; T. 67 N., R. 23 W., near quarter cor. between secs. 3 and 10, in sec. 3; 28 ft S. and 53 ft E. of N.-S. rd. at crossing of Chicago Rock Island and Pacific RR.; 48 ft along the normal to the track from the center of track; approx. 2 ft lower than RR. crossing; set in concrete post; projecting 3-in.; a standard tablet stamped "1 RLE 1963 1106" | 1106.537 |
| 13 3.3 | Reference mark, Cllo, 0.75 mi S. and 2.0 mi W. of; T. 67 N., R. 23 W., near quarter cor. between secs. 3 and 10; E. of N.-S. gravel rd.; S. of C. R.I. & P. RR. signal 3744; in the SW. cor. of the concrete base, a chiseled cross | 1108.39 |
| 14 3.9 | UE 1 A, Cllo, 0.75 mi S. and 2.5 mi W. of; T. 67 N., R. 23 W., near cor. secs. 3, 4, 9 and 10; 19 ft S. of and 80 ft E. of U.S. Hwy. 65 and Trd. E.; just S. of "Little Red School House" 19 ft S. of center of E.-W. rd. in a concrete culvert; a chiseled square | 1082.14 |
| 16 5.0 | UE 1 B, Cllo, 2.5 mi W. of; T. 68 N., R. 23 W., near cor. secs. 33 and 34; T. 67 N., R. 23 W., sec. 3 and 4, 260 ft N. and 60 ft W. of rd. crossing; U.S. Hwy. 65; approx. 20 ft lower than Hwy. opposite; in the N. end of W. headwall of concrete box culvert; a chiseled square | 1003.61 |
| 18 5.7 | Cllo, 1.0 mi N. and 2.5 mi W. of; T. 68 N., R. 23 W., near cor. secs. 27, 28, 33 and 34; 356 ft N. and 106 ft W. of U.S. Hwy. 65 at crossroad; 1.5 ft E. of W. right-of-way fence; approx. 29 ft above Hwy. opposite; a standard tablet stamped "2 RLE 1963 1073" | 1072.985 |
| 20 6.3 | Reference mark, Cllo, 1.0 mi N. and 2.5 mi W. of; near cor. secs. 27, 28, 33 and 34; approx. 200 ft E. of tablet; about 25 ft above Hwy. opposite; in the front yard of Mr. & Mrs. Fred Sowder, on the E. side of Hwy. 65; in W. root of an Oak tree; a copper nail and washer | 1069.12 |
| 22 6.8 | UE 2 A, Cllo, 1.5 mi N. and 2.5 mi W. of; T. 68 N., R. 23 W., near quarter cor. between secs. 27 and 28; on U.S. Hwy. 65 at bridge in the SE. wingwall; approx. 1 ft above the center of bridge; a chiseled square | 960.91 |
| 23 7.6 | UE 2 B, Cllo, 2.5 mi N. and 2.5 mi W. of; T. 68 N., R. 23 W., near quarter cor. between secs. 21 and 22; on U.S. Hwy. 65 at bridge in the SE. wingwall, approx. 1 ft above the center of bridge; a chiseled square | 969.11 |
| 25 8.8 | Cllo, 4.0 mi N and 2.5 mi W. of; Humeston, 11.0 mi S. of; along U.S. Hwy. 65; T. 68 N., R. 23 W., near cor. secs. 9, 10, 15 and 16; at short unpaved culvert crossing E.; 22 ft N. and 95 ft E. of intersection of Hwy. and culvert crossing; 2.5 ft S. and 2.5 ft W. of power pole; 2 ft W. of E. right-of-way fence; approx. 0.5 ft above the rd.; intersection; a standard tablet set in a concrete post; stamped "3 RLE 1963" | 1020.155 |
| 26 8.9 | Cllo, 4.0 mi N. and 2.5 mi W. of; Humeston, 11.0 mi S. of; T. 68 N., R. 23 W., near cor. secs. 9, 10, 15 and 16; at short unpaved culvert crossing; E.; 105 ft S. and 125 ft W. of intersection of Hwy. 65 and culvert crossing; in the W. right-of-way line; approx. 5 ft above the rd. intersection in the E. root of a walnut tree; a Reference mark, copper nail and washer | 1024.01 |
| 27 9.5 | UE 3 A, Cllo, 4.5 mi N. and 2.5 mi W. of; Humeston, 10.5 mi S. of; T. 68 N., R. 23 W., near quarter cor. between secs. 9 and 10, on U.S. Hwy. 65, approx. 660 ft S. of E.-W. crossroad; at a bridge, in the SE. wingwall and approx. 1 ft above the center of bridge; a chiseled square | 1002.78 |
| 28 10.2 | UE 3 B, Cllo, 5.25 mi N. and 2.5 mi W. of; Humeston, 9.75 mi S. of; T. 68 N., R. 23 W., near cor. secs. 3, 4, 9 and 10; 55 ft E. of center of U.S. Hwy. 65; in the S. end of the E. headwall of a concrete box culvert; under Hwy. and approx. 15 ft below the Hwy.; a chiseled square | 1062.52 |

LINEVILLE QUADRANGLE
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<u>Line 5 (Cont'd)</u>		<u>ALLERTON QUAD. - 12</u>	<u>Feet</u>
1 31 11.1	Clio, 6.0 mi N. and 2.5 mi W. of; Humeston, 9.0 mi S. of; T. 68 N., R. 23 W., near cor. secs. 3, 4, 33 and 34, 31 ft N. and 72 ft W. of intersection of U.S. Hwy. 65 at E.-W. crossroad; approx. 3 ft below the intersection of standard tablet set in concrete post projecting 1-in. and stamped "4 RLE 1963 1094"		1094.419
32 11.2	Reference mark, Clio, 6.0 mi N. and 2.5 mi W. of; Humeston, 9.0 mi S. of near cor. secs. 3, 4, 33 and 34; T. 69 N., R. 23 W., 37 ft N. and 40 ft E. of intersection of US Hwy. 65 and E.-W. crossroad; in the E. end of concrete culvert; approx. 5.5		1091.2
33 11.9	UE 4 A, Clio, 6.75 mi N. and 2.5 mi W. of; Humeston, 8.25 mi S. of; T. 69 N., R. 23 W.; near sixteenth cor. between secs. 33 and 34; 18 ft S. and 185 ft E. of U.S. Hwy. 65; at rd. crossing; in the W. end of the S. headwall of large concrete box culvert; approx. 2 ft below the rd. opposite; a chiseled square		1055.89
72 13.0	UE 4 B, Clio, 8.0 mi N. and 2.5 mi W. of; Humeston, 7.0 mi S. of; T. 69 N., R. 23 W., near quarter cor. between secs. 27 and 28; approx. 2000 ft S. of Nick's Cafe on U.S. Hwy. 65; on S. end of E. headwall of concrete box culvert; under the hwy. and approx. 5 ft lower than Hwy.; a chiseled square		1097.33

LINE 6

GENERALLY NORTH IN SOUTHEAST PORTION OF QUAD. (R.L. Fuerst, 1963; CV 1598)

		<u>LINEVILLE QUAD. - 332</u>	
1 12 0.0	Mercer, 0.3 mi N. along the C. R.I. & P. RR. from the station at; 8 poles N. of milepost 383, at a private rd. crossing, 30 ft S. of the center of rd., 21 ft E. of the center of the E. track, 33 ft W. of the center of U.S. Hwy. 65, and level with the track; a USC&GS standard disk stamped "N 81 1935" and set in top of concrete post		1079.243
0.8	UE 81 A, T. 66 N., R. 23 W., near center of NE $\frac{1}{4}$ sec. 18; 43 ft S. of milepost 382; 21 ft S., 59 ft E. and 2 ft lower than center of main track at RR. crossing, 21 ft S. and 21 ft W. of crossroads; on top of S. headwall of concrete culvert; chiseled square; near power pole; painted "UE 81 A 1076.0"		1075.99
13 1.8	Lineville, 3.0 mi S. of; Mercer, 2.0 mi N. of; T. 66 N., R. 23 W., near the N. sixteenth cor. between secs. 7 and 8; 11 ft S. and 16 ft W. of rd. at gate to cemetery, in concrete post; standard tablet stamped "1411 1934 1087"		1086.693
15 2.8	UE 1411 A, T. 66 N., R. 23 W., near N. sixteenth cor. between secs. 5 and 6, 158 ft S., 23 ft E. and 5 ft lower than T-rd. W.; in W. side of power pole; head of rail spike; painted "UE 1411 A 1078.4"		1078.31
16 3.7	UE 1411 B, Lineville, 0.75 mi S. along U.S. Hwy. 65; T. 67 N., R. 23 W., near quarter cor. between secs. 31 and 32; 168 ft S., 32 ft W. and 6 ft lower than crossroads; on top of S. end of 12-in. corrugated steel culvert under private drive W.; chiseled cross; near power pole; painted "UE 1411 B 1092.0"		1091.88
17 4.7	Lineville, in SW. cor. of park, 37 ft N. and 35 ft E. from old U.S. Hwy. 65 at State line rd.; 65 ft N. of Iowa-Mo. State line; in concrete post; standard tablet stamped "TT 49 J J 1936 1093"		1092.728
18 4.8	Lineville at; on the C. R.I. & P. RR., 3 poles S. of milepost 378, 405 ft N. of the Iowa-Mo. State line, at a street crossing; 48 ft N. of the center of street, 24 ft E. of the center of main track, 4 ft W. of a pole and about 1.5 ft lower than the track; a USC&GS standard disk stamped "N 114 1935" and set in top of a concrete post		1092.567

LINE 7

Feet

WEST ALONG EAST PORTION OF SOUTH BORDER (R.L. Fuerst, 1963; CV 1598)

ALLERTON QUAD. - 331

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|------------------------------|---|----------|
| 3 59 25.3 | Mercer, 2.0 mi E. of along state rd. "M", T. 66 N., R. 23 W., in NW $\frac{1}{4}$ sec. 22, 43 ft N. and 330 ft E. of center of concrete bridge over Little Muddy Creek; 90 ft W. of power pole; and 3 ft S. of right-of-way fence, in concrete post; set flush with ground; a standard tablet stamped "12 RLF 1963" | 963.085 |
| <u>LINEVILLE QUAD. - 332</u> | | |
| 63 26.1 | UE 12 A, Mercer, about 1.5 mi E. of; T. 66 N., R. 23 W., in NW $\frac{1}{4}$ sec. 21; 15 ft S. of State Rd. "M" top center of S. headwall of concrete box culvert; chiseled square; near power pole; painted "UE 12 A" | 999.88 |
| 64 26.4 | UE 12 B, Mercer, about 1.0 mi E. of; T. 66 N., R. 23 W., near the N. sixteenth cor. between secs. 20 and 21; 28 ft S. and 35 ft W. of crossroads; in N. side of telephone pole; head of rail spike; painted "UE 12 B" | 1050.45 |
| 65 27.0 | UE 12 C, T. 66 N., R. 23 W., in NW $\frac{1}{4}$ sec. 20, on State Rd. "M", 15 ft N. of rd., on top of center of double 12 x 10 ft box culvert; chiseled square near power pole; painted "UE 12 C" | 982.08 |
| 67 28.0 | USC&GS "N 81 1935" (described in Line 6) | 1079.243 |

LINE 8

GENERALLY SOUTH THRU CENTER OF QUAD. THENCE EAST ALONG SOUTH BORDER (R.L. Fuerst, 1963; CV 1598)

LINEVILLE QUAD. - 13

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| 4 63 0.0 | Leon, 3.8 mi E. along State Hwy. 2 from the E. junction of U.S. 69 at; 0.2 mi W. of the junction of rd. leading S.; 625 ft W. of the W. end of a 50-ft. bridge, at the crest of a hill; and 2.5 ft N. of a S. fence line; a USC&GS and State Survey standard disk stamped "Z 117 27-58 1935" and set in the top of a concrete post flush with ground | 1000.716 |
| 64 0.9 | UE 117 A, T. 69 N., R. 24 W., 1.7 mi N. of center of sec. 30, 40 ft N., 70 ft E. and 3 ft lower than crossroads; in S. side of power pole; head of rail spike; painted "UE 117 A" | 1063.82 |
| 65 1.8 | High Point, 2.7 mi W. along State Hwy. 2 from the junction of State 204 at; 0.2 mi E. of junction of a rd. leading S., at a two-story farmhouse S. of the hwy.; 25 ft W. of the center of the driveway, and 3 ft NW. of the NE. corner of the yard. a USC&GS and State Survey standard disk stamped "A 118 27-60 1935" and set in the top of a concrete post flush with the ground (Previous published elev. of 914.486 could not be reconciled This elev. by USGS) | 1013.063 |
| 3 2.8 | UE 118 A, Leon, 4.75 mi E. of; T. 69 N., R. 24 W., near the W. sixteenth cor. between secs. 29 and 32; at bend in rd. N. and E.; 34 ft N. of rd. E. and 42 ft E. of rd. N.; in 18-in. fence post near telephone pole painted "UE 118 A" head of rail spike | 1056.16 |
| 4 3.3 | UE 118 B, Leon, 5.0 mi E. of; T. 69 N., R. 24 W., 0.25 mi S. of quarter cor. between secs. 29 and 32, 29 ft S., 11 ft W. and 1.5 ft lower than T-rd. E.; on W. end of E.-W. 24-in. corrugated culvert; inside painted square; chiseled cross; near tree painted "UE 118 B" | 1026.08 |
| 6 4.0 | UE 118 C, Leon, 5.0 mi E. and 1.0 mi S. of; T. 69 and 68 N., R. 24 W., quarter cor. between secs. 5 and 32; 106 ft N., 16 ft W. and 6.5 ft lower than T-rd. N.; 4 ft from W. end of E.-W. 30-in. corrugated steel culvert; in painted square; chiseled cross | 961.74 |
| 8 4.8 | Reference mark, Woodland, 1.3 mi N. and 2.0 mi W. of; T. 69 N., R. 24 W., in SE $\frac{1}{4}$ sec. 5; 39 ft SSE. and 7 ft ENE. of center of steel truss bridge over Weldon River; on the S. most end of E. most truss, six rivets up from truss plate, chiseled cross on head of rivet; the high point of head; painted "RM 13 RLF" | 941.34 |

LINEVILLE QUADRANGLE

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LINE 8 (Cont'd)LINEVILLE QUAD. - 13Feet

- 4 9 4.9 Leon, 1.5 mi S. and 5.5 mi E. of; Woodland, 1.3 mi N. and 2.0 mi W. of; T. 68 N., R. 24 W., in SE $\frac{1}{4}$ sec. 5, 290 ft SSE. along center of rd. from center of steel truss bridge over Weldon River; 33 ft ENE. from center of rd. 3 ft ENE. of right-of-way fence, in concrete post projecting 2-in. above ground; standard tablet stamped "13 RLF 1963" 936.408
- 11 5.4 UE 13 A, Woodland 1.0 mi N. and 2.0 mi W. of; T. 68 N., R. 24 W., cor. secs. 4, 5, 8 and 9; 25 ft N. and 72 ft W. of intersection of Y-rd.; 22 ft N. of center of driveway into cemetery; 11 ft W. of right-of-way fence in old cemetery yard, in SE. root of 24-in. oak tree; copper nail and washer 1032.47
- 13 6.5 Reference mark 3, Leon, 3.0 mi S. and 5.25 mi E. of; Woodland, 2.0 mi W. of; T. 68 N., R. 24 W., near the E. sixteenth cor. between secs. 8 and 17, at the E. end of bridge over Weldon River; "top $\frac{1}{2}$ in. bolt head" in top of downstream end of landward pile cup under downstream left end of main span 931.072
- 6.5 Reference mark 2, Leon, 3.0 mi S. and 5.25 mi E. of Woodland, 2.0 mi W. of; T. 68 N., R. 24 W., near E. sixteenth cor. between secs. 8 and 17, at the E. end of bridge over Weldon River; top of 0.5 in. bolt head driven horizontally in downstream landward side of landward piling under downstream left corner of main span, 4 ft landward from R.M. 1 924.85
- 6.6 Reference mark 1, Leon, 3.0 mi S. and 5.25 mi E. of Woodland 2.0 mi W. of; T. 68 N., R. 24 W., near E. sixteenth cor. between secs. 8 and 17, at the E. end of bridge over Weldon River; top of 1-in. bolt head on W. or streamward side of downstream side of piling, under, left end of main span 922.53
- 15 7.7 UE 13 B, Woodland, 1.0 mi S. and 2.0 mi W. of; T. 68 N., R. 24 W., near cor. secs. 16, 17 20 and 21, 180 ft N. and 22 ft E. of T-rd. W.; in W. side of power pole; head of rail spike; painted "UE 13B" 998.73
- 16 8.2 Woodland, 1.5 mi S. and 2.0 mi W. of; T. 68 N., R. 24 W., near quarter cor. between secs. 20 and 21; 5 ft S. and 39 ft W. of P.I. to curve in rd., 35 ft W. of drive to C.M. Thompson's farmhouse; in the NE. cor. of Thompson's yard; in concrete post; standard tablet stamped "14 RLF 1963 992" 991.780
- 18 8.2 Reference mark, Woodland 1.5 mi S. and 2.0 mi W. of; T. 68 N. R. 24 W., near quarter cor. between secs. 20 and 21, 40 ft N. and 12 ft E. of P.I. to curve in rd. 18 ft E. of drive; to C.M. Thompson's farmhouse, on E. end of corrugated steel culvert; painted square; chiseled cross 989.32
- 20 8.9 UE 14 A, Woodland, 2.0 mi S. and 2.0 mi W. of; T. 68 N., R. 24 W., in the SE $\frac{1}{4}$ sec. 20; 34 ft W. of rd. on the W. end of E.-W. 18 ft diameter corrugated steel culvert; on head of 1-in. bolt; chiseled cross; (near power pole painted UE 14A) 936.19
- 22 9.8 UE 14 B, Woodland, 2.8 mi S. and 2.25 mi W. of; T. 68 N., R. 24 W., in the SE $\frac{1}{4}$ sec. 29; 280 ft S. and 26 ft E. of dim T-rd. W.; on the E. end of 30-in. E.-W. corrugated steel culvert; chiseled cross; on head of rivet; painted "UE 14 B" 1027.38
- 23 10.6 UE 14 C, Woodland 3.5 mi S. and 2.25 mi W. of; T. 68 N., R. 24 W., quarter mi W. of quarter cor. between secs. 32 and 33; _____ ft S. and _____ ft E. of _____ intersection of Y-rd. N.-S. and SE. in W. side of power pole; head of rail spike; painted "UE 14 C" 1052.21
- 24 10.9 Lineville, 4.25 mi N. and 6.0 mi W. of; near center of SE $\frac{1}{4}$ sec. 32; T. 68 N., R. 24 W., at the crest of a prominent ridge; 15 ft SE. of the center of a field entrance NE.; 1 ft SW. of the E. right-of-way fence; 1 ft NW. of a witness post; in the top of a concrete post; projecting 2 in. a standard tablet stamped "ET 1 MES 1963 1072" 1071.918
- 26 10.9 Reference mark, Lineville 4.25 mi N. and 6.0 mi W. of; near center of SE $\frac{1}{4}$ sec. 32; T. 68 N., R. 24 W., at crest of prominent ridge; 41 ft W. of the center of rd.; 1 ft E. of right-of-way fence; and 4 ft S. of power pole; in concrete post projecting 2-in. above ground; a standard tablet stamped "R.M. 1 ET 1 MES 1963" 1073.20

<u>LINE 8 (Cont'd)</u>	<u>LINEVILLE QUAD. - 13</u>	<u>Feet</u>
4 27 11.5	Line ville, 4.0 mi N. and 5.25 mi W. of; T. 67 and 68 N., R. 24 W., near W. sixteenth cor. between secs. 4 and 33; 50 ft N., 73 ft E. and 2 ft lower than T-rd. S.; 23 ft E. of field entrance N., in SW. side of power pole; head of rail spike; painted "UE 1 A"	1035.77
28 12.4	Lineville, 3.0 mi N. and 5.25 mi W. of; T. 67 N., R. 24 W., near W. sixteenth cor. between secs. 4 and 9; 214 ft N., 32 ft W. and 2.5 ft lower than center of rd. at drive W., on E. side of power pole; head of rail spike; painted "UE 1 B"	1056.12
29 13.0	UE 1 C, Lineville, 2.5 mi N. and 5.25 mi W. of; T. 67 N., R. 24 W., about 0.25 mi W of center sec. 9, 35 ft S. 47 ft E. and 1.5 ft higher than T-rd. E.; on the NW. side of power pole; head of rail spike; painted "UE 1 C"	1061.80
30 13.5	UE 1 D, Lineville, 2.0 mi N. and 5.25 mi W. of; T. 67 N., R. 24 W., near W. sixteenth cor. between secs. 9 and 16; 116 ft S., 22 ft W. and 7 ft lower than T-rd. E.; on W. end of 30-in. corrugated steel culvert; painted square; chiseled cross; "UE 1 D"	1002.33
31 14.2	Lineville, 1.25 mi N. and 5.25 mi W. of; T. 67 N., R. 24 W., 0.25 mi N. of W. sixteenth cor. between secs. 16 and 22, 91 ft N., 20 ft E. and 6.2 ft lower than center of rd. at fences E.-W.; on the E. end of 24-in. corrugated steel culvert; in painted square; dent Reference mark	991.73
32 14.3	Lineville, 1.25 mi N. and 5.25 mi W. of; T. 67 N., R. 24 W., 0.25 mi N. of W. sixteenth cor. between secs. 16 and 21; on crest of hill, 7 ft N., 34 ft W. and 1.7 ft lower than center of rd. at field entrance E.; 30 ft S. of 3-in. cottonwood tree, in concrete post; a standard tablet stamped "15 RLF 1963 1001"	1001.212
33 14.5	UE 15 A, Lineville, 1.0 mi N. and 5.25 mi W. of; T. 67 N., R. 24 W., near W. sixteenth cor. of secs. 16 and 21; 35 ft S. and 33 ft E. of Trd. N.; in NW. side of power pole; head of rail spike; painted "UE 15 A"	945.06
34 15.1	Lineville, 0.5 mi N. and 5.25 mi W. of; T. 67 N., R. 24 W., NW. cor. of NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 21; 1 ft N. and 1 ft W. of fence corner; in concrete post; a bronze tablet with letters U.S.	973.673
36 15.7	Lineville, 0.25 mi N. and 5.75 mi W. of; T. 67 N., R. 24 W., 0.25 mi W. of S. sixteenth cor. between secs. 20 and 21; 400 ft N. and 8 ft E. of fence corner; in the NE. root of a lone 18-in. elm tree; copper nail and washer "UE 15 C"	982.74
37 16.2	UE 15 D, Lineville, 6.25 mi W. of; T. 67 N., R. 24 W., 0.25 mi E. of N. sixteenth cor. between secs. 19 and 20; 155 ft E. and 270 ft S. of P.I. to curve in rd.; 49 ft N. and 137 ft E. of fence corner; in S. root of 30-in. lone elm tree; copper nail and washer painted "UE 15 D"	1049.31 982.74
38 16.6	UE 15 E, T. 67 N., R. 24 W., in SW $\frac{1}{4}$ sec. 20; about 700 ft N. along rd. from Iowa-Mo. State Line 22 ft W. of rd.; on W. end of 24-in. corrugated steel culvert; in painted square; chiseled cross; near power pole; painted "UE 15 E"	1021.17
40 17.4	Lineville, 0.5 mi S. and 6.0 mi W. of; T. 67 N., R. 24 W., near N. sixteenth cor. between secs. 31 and 32; 44 ft N., 111 ft E. and 2.5 ft higher than center of rd., at curve and drive N.; 8 ft S. of right-ofway fence, in concrete post; standard tablet stamped "16 RLF 1963 1026"	1025.777
41 17.5	Reference mark, about 350 ft SE. along center of rd. from tablet; 41 ft W. of center of rd. in E. root of 12-in. elm tree; copper nail and washer	1018.13
42 18.4	UE 16 A, Lineville, 1.25 mi S. and 5.0 mi W. of; Tps. 66 and 67 N., R. 24 W., near quarter cor. between secs. 5 and 32; 84 ft N., 25 ft E. and 1.7 ft higher than rd. at drive S.; in E. side of power pole; head of rail spike; painted "UE 16 A"	1024.78
43 19.2	UE 16 B, T. 66 N., R. 24 W., about 600 ft N. of N. sixteenth cor. between secs. 4 and 5; 49 ft N. of intersection of Co. Rd. "KK" and rd. NE.; (T-rd. NE), NE. end of corrugated steel culvert; in painted square; dent painted "UE 16 B"	1025.7

LINE 8 (Cont'd)		LINEVILLE QUAD. - 13	Feet
5 70	19.4	Lineville, 6.4 mi W. of; in SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 33, T. 67 N., R. 24 W., 0.5 mi W. of Weldon River; 22 ft N. of rd., 47 ft S. and 12 ft W. from dwelling of Albert Cox, in concrete post; standard tablet stamped "TT 47 JJ 1936 901"	901.294
4 44	19.6	Lineville, 1.5 mi S. and 5.0 mi W. of; T. 66 N., R. 24 W., near quarter cor. between secs. 4 and 5; in sec. 4; 120 ft S., 20 ft W. and 0.7 ft lower than T-rd. W.; 35 ft N. of telephone pole; 1 ft E. of right-of-way fence; in concrete post; standard tablet stamped "17 RLF 1963 1024"	1024.237
45	19.7	Reference mark, 280 ft SE. along center of rd. at curve from tablet at SE. end of curve; 15 ft SW. of center of rd.; on SW. end of 12-in. corrugated steel culvert; painted square; dent	1016.8
46	20.6	UE 17 A, Mercer, 2.0 mi N. and 4.5 mi W. of; T. 66 N., R. 24 W., 0.25 mi S. of quarter cor. between secs. 4 and 9; 34 ft W. and 28 ft S. of rd. at drive W.; in E. side of power pole; head of rail spike; across rd. from power pole; painted "UE 17 A"	957.80
47	21.5	UE 17 B, Mercer, 1.0 mi N. and 4.25 mi W. of; T. 66 N., R. 24 W., 0.25 mi S. of E. sixteenth cor. between secs. 9 and 16, at the S. end of large curve in rd., 49 ft E. of rd. and at the E. right-of-way fence, on the W. side of a 20-in. white oak tree; head of rail spike; painted "UE 17 B"	987.97
48	22.6	Mercer, 4.75 mi W. of, near quarter cor. between secs. 16 and 21; T. 66 N. R. 24 W., at the NW. cor. of the Middleton Church yard, 26 ft NW. along the normal to a gravel rd. running NE-SW., 24 ft N. of center of E.-W. driveway into church yard, 3 ft S. of the N. yard fenceline; 1 ft S. of a witness post; in concrete post projecting 3-in. standard tablet stamped "ET 4 MES 1963 991"	991.472
49	22.6	Reference mark, 55 ft E. of tablet; 28 ft E. of center of gravel rd. at the SW. cor. of the Middleton Cemetery; 1.5 ft N. of the S. fence line of Cemetery; in concrete post; projecting 1-in. standard tablet stamped "RM 1 ET 4 MES 1963"	992.30
51	23.4	Mercer, 3.5 mi W. of; T. 66 N., R. 24 W., near the W. sixteenth cor. between secs. 15 and 22; at bridge over the Weldon River; 12 ft N. and 42 ft W. of center of bridge; on the top of the N. side of W. bridge pier; chiseled square	866.34
52	24.2	Mercer, 2.75 mi W. of along Co. Hwy. "K" T. 66 N., R. 24 W., near cor. secs. 14, 15, 22 and 23, 30 ft S., 150 ft W. and 8 ft lower than T-rd. S.; in N. side of power pole; head of rail spike; painted "UE 4 B"	975.30
54	25.1	Reference mark, Mercer, 2.0 mi W. of; T. 66 N., R. 23 W., in the NE $\frac{1}{4}$ sec. 23, 250 ft W. along normal of Co. rd. "K" from T-rd. SW.; 50 ft N. of center of Co. rd. "K" in E. side of power pole; head of power pole; painted "R.M."	1035.02
55	25.2	Mercer, 2.0 mi W. of; T. 66 N., R. 23 W., in the NE $\frac{1}{4}$ sec. 23, 190 ft S., 50 ft W. and 5 ft higher than intersection of Co. rd. "K" and rd. leading SW.; 2 ft W. and 6 ft N. of 24-in. white oak tree; 2 ft W. of right-of-way fence; in concrete post; standard tablet stamped "1049 18 RLF 1963"	1048.776
56	26.1	Mercer, 1.25 mi W. of; T. 66 N., R. 24 W., near center of sec. 24, 80 ft E. and 30 ft S. of center of Co. rd. "K" and driveway S., 25 ft N. of white barn, in root on N. side of 20-in. oak tree; copper nail and washer; painted "UE 18 A"	1054.43
57	26.9	UE 18 B, Mercer, 0.5 mi W. of; T. 66 N., R. 23 W., in SW $\frac{1}{4}$ sec. 19, 51 ft S., 19 ft W. and 0.5 ft higher than T-rd. S.; in W. root of 20-in. elm tree; copper nail and washer painted "UE 18 B"	1086.36
58	27.7	UE 18 C, at Mercer, T. 66 N., R. 23 W., near center of NE $\frac{1}{4}$ sec. 19, 350 ft E. of U.S. Hwy 65 at the N. entrance to Mercer, 20 ft S. and 17 ft W. of RR. crossing; on the top center of the W. end of concrete foundation to signal light; chiseled square	1073.82
59	28.1	USC&GS "N 81 1935" (described in Line 6)	1079.243

LINE 9

Feet

SOUTH ALONG SOUTH PORTION OF WEST BORDER THENCE EAST ALONG SOUTH BORDER (R.L. Fuerst, 1963; CV 1598)

LAMONI QUAD. - 14

- 4 73 3.5 Davis City, 0.5 mi N. and 2.25 mi E. of; T. 68 N., R. 25 W., near quarter cor. between secs. 31 and 32; 133 ft S., 22 ft W. and 4.5 ft lower than crossroads; 1 ft E. of right-of-way fence; in concrete post; standard tablet stamped "19 RLF 1963 981" 980.795
- 74 3.5 Reference mark, T. 68 N., R. 25 W., near quarter cor. between secs. 31 and 32; 500 ft S. and 24 ft W. of crossroads; on the W. end of E.-W. 96-in. corrugated steel culvert; chiseled cross on head of 3/4 in. bolt 973.38
- 75 4.3 UE 19 A, T. 66 N., R. 23 W., near center of NW 1/4 sec. 5, 13 ft S., 27 ft E. and 2 ft lower than rd. at field entrance E. on top of S. end of 12-in. corrugated steel culvert; painted square chiseled cross; near telephone pole; painted "UE 19 A 1087.5" 1087.49
- 76 5.3 UE 19 B, T. 67 N., R. 25 W., near N. sixteenth cor. between secs. 7 and 8; 30 ft S., 32 ft E. and 7.5 ft lower than rd. at private drive E.; on top of SE. end of 48-in. corrugated steel culvert; in painted square; chiseled cross; near power pole; painted "UE 19 B 1020.6" 1020.60

LINEVILLE QUAD. - 13

- 78 6.5 Pleasanton, 2.5 mi N. of; in the NW 1/4 sec. 9; T. 67 N., R. 25 W., 39 ft W. of center of rd., 64 ft N. of field entrance W. and 2 ft E. of W. right-of-way fence; in concrete post projecting 2-in.; standard tablet stamped "Reference mark 1 ET 2 MES 1963" 1083.346
- 79 6.5 Pleasanton, 2.5 mi N. of; in the NW 1/4 sec. 9; T. 67 N., R. 25 W., 76 ft S. of an abandoned stucco farm house; at the crest of a ridge; 14 ft S. of center of wire gate at a farm drive E.; 29 ft E. of center of gravel rd.; 2 ft W. of the E. right-of-way fence; 1.5 ft W. of witness post; in concrete post projecting 2-in. standard tablet stamped "ET 2 MES 1963 1086" 1086.541
- 6 4 7.4 UE 2 A, T. 67 N., R. 25 W., near cor. secs. 8, 9, 16 and 17, 40 ft S., 30 ft E. and 6 ft lower than T-rd. W.; on E. end of 96-in. corrugated steel culvert; in painted square chiseled cross; near power pole; painted "UE 2 A 1001.2" 1001.20
- 5 7.9 UE 2 B, T. 67 N., R. 25 W., near quarter cor. between secs. 16 and 17, 40 ft N., 39 ft E. and 4 ft lower than T-rd. E.; in W. side of power pole; painted "UE 2 B 1075.6" head of rail spike 1075.60
- 6 8.8 UE 2 C, T. 67 N., R. 25 W., near quarter cor. between secs. 20 and 21; 39 ft S., 17 ft W. and 3 ft lower than T-rd. N.; in N side of power pole; painted "UE 2 C 1100.4" head of rail spike 1100.38
- 7 9.6 Pleasanton, T. 67 N., R. 25 W., in sec. 21, in the NW. cor. of City Park, 70 ft S., 37 ft E. and 0.5 ft lower than cross streets; 15 ft S. of 36-in. birch tree; in concrete post; standard tablet stamped "20 RLF 1963 1090" 1090.095
- 8 9.6 Reference mark, Pleasanton, 150 ft S. and 75 ft W. of; tablet; 34 ft N. and 28 ft W. of cross-streets; on SW. cor. of sidewalk; chiseled square 1088.29
- 9 10.5 UE 20 A, T. 67 N., R. 25 W., 0.25 mi W. of quarter cor. between secs. 32 and 33; 195 ft S. and 18 ft W. of T-rd. E.; 12 ft N., 18 ft W. and 2 ft lower than rd. at drive W.; on N. end of 12-in. corrugated steel culvert; painted square; chiseled cross; near power pole; painted "UE 20 A 1084.1" 1084.08
- 10 11.3 UE 20 B, T. 66 N., R. 25 W., 0.3 mi S. of E. sixteenth cor. on N. sec. line of sec. 5; 170 ft S. and 50 ft W. of intersection of curve in Co. Hwy. "B" and gravel rd. SW.; 25 ft SE. from normal of gravel rd.; in SW. side of power pole; painted "UE 20 B 1078.9" head of rail spike 1078.91
- 12 12.0 UE 20 C, T. 66 N., R. 25 W., near the E. sixteenth cor. between secs. 5 and 8, 49 ft S., 17 ft E. and 1.5 ft lower than T-rd. E.; intersection of rd. NW.-SE.; and rd. E.; 4 ft W. of fence; in E. side of power pole; painted "UE 20 C 1066.3" head of rail spike 1066.32
- 13 12.8 Saline, 0.5 mi N. and 0.75 mi W. of; T. 66 N., R. 25 W., 3 mi N. of cor. secs. 8, 9, 16 and 17, in Sec. 8; about 125 ft S. of two story farmhouse; 41 ft S., 24 ft E. and 1.5 ft higher than rd. at drive W.; 1 ft W. of right-of-way fence; in concrete post; standard tablet stamped "21 RLF 1963 1065" 1064.654

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 LINEVILLE QUADRANGLE
 332 - Mo.: 13 - Iowa

<u>LINE 9 (Cont'd)</u>		<u>LINEVILLE QUAD. - 13</u>	<u>Feet</u>
6 14	12.8	Reference mark, 180 ft S. of tablet; 18 ft W. and 9 ft S. of rd. at field entrance W.; on top of corrugated steel culvert; chiseled cross	1061.44
16	13.6	UE 21 A, T. 66 N., R. 25 W., near the quarter cor. between secs. 16 and 17, 34 ft N., 37 ft W. and level with crossroads; in SE. side of power pole; painted "UE 21 A 1055.2" head of rail spike	1055.19
17	14.2	T. 66 N., R. 25 W., about 0.25 mi N. of center of sec. 16, at Saline, Mo., at a 90° curve in main street from N. to E., 18 ft S. and 15 ft E. of intersection, of curve and drive SE., on the SW. end of 14-in. corrugated steel culvert; painted square; chiseled cross; near power pole; painted "UE 21 B 953.9"	953.89
18	14.8	UE 21 C, T. 66 N., R. 25 W., near N. sixteenth cor. between secs. 15 and 16, 22 ft S. and 160 ft E. of T-rd. W.; on top center of E. concrete and rock head to 36-in. corrugated steel culvert; chiseled square; near power pole; painted "UE 21 C 1033.0"	1032.98
19	15.6	Saline, 0.5 mi S. and 0.25 mi E. of; T. 66 N., R. 25 W., 189 ft E. of cor. secs. 15, 16 21 and 22; 30 ft W. of Co. rd. "B" at rd. E.; in concrete post; standard tablet stamped "P T S 72 J S 1923 Mo 1056"	1056.742
20	15.6	Reference mark, about 150 ft SE. of tablet; on NW. corner of top step of concrete walk to dwelling; chiseled square	1054.84
22	16.3	UE 72 A, T. 66 N., R. 25 W., near E. sixteenth cor. between secs. 15 and 22; 6 ft N. and 10 ft E. of center of small bridge at the NE. cor. of bridge; on top of 5/8 in. bolt; chiseled cross. Bridge painted "UE 72 A 950.4"	950.46
24	17.2	UE 72 B, T. 66 N., R. 25 W., about 400 ft E. of quarter cor. between secs. 14 and 23; 400 ft E. of T-rd. N.; and 600 ft W. of T-rd. S.; on N. concrete headwall of 48-in. corrugated steel culvert; chiseled square; near power pole; painted "UE 72 B 980.8"	980.81
26	18.0	UE 72 C, T. 66 N., R. 25 W., about 600 ft W. of quarter cor. between secs. 13 and 24; 12 ft N. of center of rd., on top of N. headwall of concrete culvert; chiseled square; near tree painted "UE 72 C 977.3"	977.36
28	18.6	Pleasanton, 4.5 mi S. and 4.0 mi E. of; T. 66 N., Rs. 24 and 25 W., near cor. secs. 13, 18, 19 and 24, 205 ft S., 39 ft E. and 4 ft higher than T-rd. W.; 1 ft W. of right-of-way fence, in concrete post; standard tablet stamped "22 RLF 1963 987"	982.635
29	18.6	Referencemark, 200 ft NW. of tablet; 45 ft N. and 16 ft W. of T-rd. W.; on W. end of 36-in. corrugated steel culvert; in painted square; chiseled cross	977.99
31	19.9	UE 22 A, T. 66 N., R. 24 W., near cor. secs. 17, 18, 19 and 20; 93 ft S., 93 ft E. and 3 ft higher than rd. at private drive N.; in W. side of power pole; painted "UE 22 A 971.5" head of rail spike	971.54
32	20.1	UE 22 B, T. 66 N., R. 24 W., near W. sixteenth cor. between secs. 17 and 20, 22 ft N., 16 ft E. and 0.5 ft lower than crossroads; on top of NE. headwall of concrete culvert; chiseled square near power pole; painted "UE 22 B 925.5"	925.55
33	20.4	Azimuth mark, 1.2 mi W. of station, near quarter cor. between secs. 17 and 20; T. 66 N., R. 24 W., 20 ft N. of center of gravel rd., 1 ft S. of N. right-of-way fence; 15 ft W. of telephone pole; with a guy wire S.; in top of concrete post; projecting 1-in. standard tablet stamped "ET 4 MES 1963 Azimuth Mark"	982.174
34	20.9	UE Az. Mk. A, T. 66 N., R. 24 W., about 400 ft N. of cor. between secs. 16, 17, 20 and 21, at bridge over W. Fork Little River, at W. end of upstream side; on head of 100 ft chiseled cross; painted "UE Az. Mk A 872.0"	872.03
36	21.9	Reference mark 1 to ET 4 MES 1963 (described in Line 8)	992.297