

THIRD-ORDER LEVELS
SEA LEVEL DATUM OF 1929

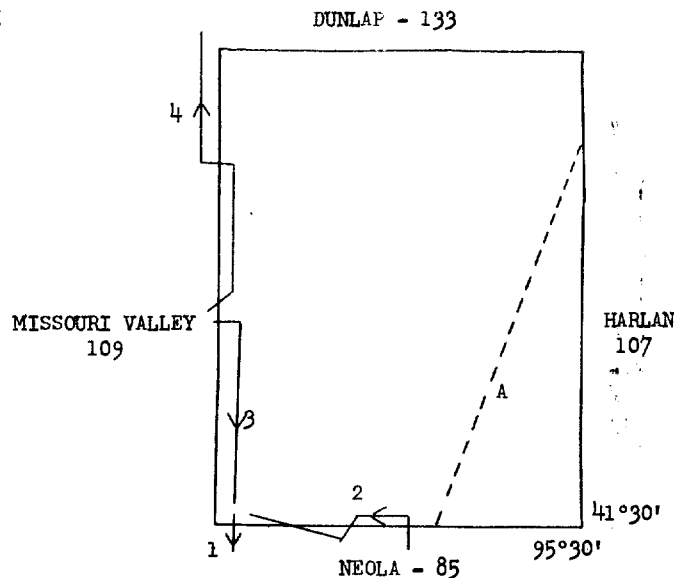
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PERSIA QUADRANGLE
108 - IOWA
N4130-W9530/15
DIAGRAM NH 15-7
QMAHA, NEB.-IA.

Harrison and Shelby
Counties

Edition of: 3-8-66

PR: AKH/ovb



USC&GS LEVELING

Quadrangle No. 410954

LINE 1

FEET

SOUTH IN SOUTHWEST PORTION OF QUADRANGLE. (R.E. Carey, 1955; Book CV-676)

MISSOURI VALLEY QUAD. - 109

8.1 Tps. 77 and 78 N., R. 43 W., near N. quarter corner of sec. 2, center of bridge; nail and washer 1208.7

PERSIA QUAD. - 108

8.6 Loveland, 0.5 mi N. and 8.0 mi E. of, on the Pottawattamie-Harrison County Line, 40 ft S. and 252 ft W. of T-rd. S. which is near N. corner of secs. 1 and 2, Tps. 77 and 78 N., R. 43 W., 40 ft S. and 242 ft E. of NW. end of curve on County Rd. E., near W. end of triangle formed by curve and rd. forks, 3 ft N. of a power line pole, in concrete post; standard tablet stamped "61 RC 1955 1258" 1257.590

NEOLA QUAD. 85 IA.

9.6 T. 77 N., R. 43 W., near cor. secs. 1, 2, 11 and 12, centerline of crossroads (junction of county rd. K and E.) 1163.7

LINE 2

WEST ALONG WEST PORTION OF SOUTH BORDER. (R.E. Carey, 1955; Book CV-676)

NEOLA QUAD. - 85 IA.

108 C

LINE 2 (Cont'd)FEETNEOLA QUAD. - 85 IA.

- 2.4 Neola, 2.0 mi N. and 0.5 mi W. of, about 0.2 mi E. of cor. secs. 11, 12, 13, and 14, T. 77 N., R. 42 W., 28 ft N. and 200 ft W. of centerline of rd. at rd. E., 32 ft W. of rd. N. (produced) 6 ft N. and 1 ft E. of fence corner, on the outside of a curve, in concrete post; standard tablet stamped "65 RC 1955 1139" 1139.124
- 2.4 Reference mark, about 290 ft N. of tablet, 25 ft E. of centerline of rd., on E. end of large pipe culvert; painted square; 1140.26

PERSIA QUAD. - 108 IA.

- 4.3 T. 77 N., R. 42 W., in the NW $\frac{1}{4}$ of the NW $\frac{1}{4}$ of sec. 1, center of bridge, nail and washer 1188.08
- 4.7 Reference mark, about 115 ft E. of tablet, 35 ft N. of centerline of rd., in SW. side of a 6-in. box elder tree; copper nail and washer 1198.42
- 4.7 Neola, 4.0 mi N. and 0.75 mi W. of, on Potawattamie-Harrison County Line, near N. corner of secs. 1 and 2, Tps. 77 and 78 N., R. 42 W., 284 ft NW. along rd., thence 32 ft N. of the center of curve at rd. N., 32 ft N. and 100 ft W. of W. end of rd. corner, 1 ft S. of fence line, in concrete post; standard tablet stamped "66 RC 1955 1201" 1201.323

NEOLA QUAD. - 85 IA.

- 7.3 T. 77 N., R. 42 W., near quarter corner between secs. 3 and 10, in NE. corner of wooden floor of bridge; copper nail and washer 1135.10
- 7.8 Reference Mark, about 120 ft NE. of tablet, 35 ft N. and 100 ft W. of crossroads in S. side of a telephone pole, on the head of a RR. spike 1249.42
- 7.8 Neola, 3.0 mi N. and 2.75 mi W. of, 32 ft S. and 212 ft W. of crossroads, which are near cor. secs. 3, 4, 9 and 10, T. 77 N., R. 42 W., 32 ft S. of the centerline of the rd. in line with field drive N., 1 ft N. of fence line, in concrete post; standard tablet stamped "67 RC 1955 1250" 1249.560
- 8.4 T. 77 N., R. 42 W., about 750 ft W. of quarter corner between secs. 4 and 9, centerline bridge; copper nail and washer 1078.50
- 10.1 Reference mark, 80 ft E. of tablet, 100 ft E. of centerline rd., in W. side of a 12-in. walnut tree, on the head of a RR. spike 1272.48
- 10.1 Neola, 3.5 mi N. and 4.75 mi W. of near quarter corner between secs. 5 and 6, T. 77 N., R. 42 W., 268 ft S. and 33 ft E. of centerline of rd. at private drive W., 2 ft N., 33 ft E., and 1.2 ft lower than centerline rd. at T-fence E., 2 ft N. and 1 ft W. of corner post at T-fence E., in concrete post; standard tablet stamped "68 RC 1955 1274" 1274.370

PERSIA QUAD. - 108 IA.

- 11.6 Tps. 77 and 78 N., R. 43 W., about 460 ft W. of N. cor. secs. 1 and 6, center of bridge; copper nail and washer 1090.42
- 12.6 U.S.C. & G.S. "61 RC 1955" (Previously described in Line 1) 1257.590

LINE 3

SOUTH ALONG SOUTH PORTION OF WEST BORDER. (G.D. Scroggins, 1965; Book CV-1914)

LINE 3 (Cont'd)

FEET

MISSOURI VALLEY QUAD. - 109

- 1 28 16.5 UE 4 GDS C, near W. one-sixteenth cor. of secs 20 and 29, T. 79 N., R. 42 W., 23 ft N., 11 ft E. and 1.5 ft lower than rd. at field entrance N., near the Northern Natural Gas Pipeline crossing County Road 1 Q, on top of the E. end of a 48-in. corrugated metal culvert, a punched hole, painted "UE 4 C 1157.4" 1157.5

PERSIA QUAD. - 108

- 29 17.3 Logan, about 0.7 mi S. and 2.0 mi E. of T. 79 N., R. 42 W., near cor. of secs. 20, 21, 28 and 29, 39 ft S. and 34 ft E. and 2.3 ft lower than crossroads; 4.3 ft SE. of fence cor. post, 3.8 ft S. of S. right-of-way fence, in the top of a concrete post; a standard tablet, stamped 5 GDS 1965" painted; "HM 5 1227.8" 1227.862
- 31 18.3 UE 5 GDS A, about 1.0 mi S. of tablet, near cor. of secs. 28, 29, 32 and 33, T. 79 N., R. 42 W., 210 ft N. and 15 ft E. of crossroads; on top of E. end of a 24-in. corrugated metal culvert; a punched hole; painted "UE 5 A 1206.2" 1206.3
- 32 18.8 UE 5 DGS B, about 1.5 mi S. along county rd. from tablet, 18 ft S. and 23 ft W. of T-rd. W., on top of W. end of a 24-in. corrugated metal culvert, a punched hole; painted "UE 5 B" 1254.3
- 33 19.4 UE 5 GDS C, about 2.1 mi S. along rd. from tablet, 19 ft E. and 0.9 ft lower than centerline of rd.; on top of E. end of a 60-in. corrugated metal culvert; a punched hole; painted "UE 5 C 1204.8" 1204.9
- 34 19.9 UE 5 GDS D, about 2.6 mi S. along rd. from tablet, 19 ft S., 28 ft W. and 2.9 ft lower than T-rd. W., on top of S. end of an 18-in. corrugated metal culvert, a punched hole; painted "UE 5 D 1274.2" 1274.2
- 35 20.5 Reference mark "6 GDS 1965", 360 ft NW. of tablet, at SW. cor. of bridge about 0.5 ft lower than floor of bridge at S. end, 28 ft above drain; on top of most southerly bolt of steel anchor plate; painted white 1135.2
- 36 20.5 Logan, about 3.7 mi S. and 2.0 mi E. of, T. 78 N., R. 42 W., sec. 2, 13 ft N., 39 ft E. and 1.0 ft lower than rd. at field entrance E., 3.6 ft E. of E. right-of-way fence, 51 ft S. of a fence cor., in the top of a concrete post; a standard tablet stamped "6 GDS 1965"; painted "HM 6 1145.3" 1145.401
- 37 20.9 ^{GDS} UE 6 A, about 0.4 mi S. along county rd. from tablet, 30 ft S., 23 ft W. and 1.6 ft lower than crossroads on top of W. end of and 18-in. corrugated metal culvert, a punched hole; painted "UE 6 A 1912.8" 1212.9
- 39 21.7 ^{GDS} UE 6 GDS B, about 1.2 mi S. along county rd. from tablet, 8 ft N., 27 ft E. and 1.4 ft lower than field entrance E. on top of N. end of a 24-in. corrugated metal culvert; a punched hole; painted "UE 6 B 1161.6" 1161.7
- 40 22.1 UE 6 GDS C, about 1.5 mi S. along rd. from tablet; at the junction of county rd. Z; 27 ft N., 30 ft E. and 3.3 ft lower than rd. forks, at base of power line pole on W. side, head of rail spike; painted "UE 6 C 1296.7" 1296.78
- 41 22.9 UE 6 GDS D, about 2.4 mi S. along county rd. from tablet, 13 ft S., 23 ft W. and 4.1 ft lower than T-rd. W., on top of S. end of 18-in. corrugated metal culvert; punched hole; painted "UE 6 D 1315.0" 1315.1
- 42 23.4 Missouri Valley, about 1.0 mi S. and 8.0 mi E. of; T. 78 N., R. 42 W., in the SE $\frac{1}{4}$ of sec. 23, at the E.-W. $\frac{1}{4}$ sec. line fence. 40 ft E. and 4.8 ft lower than centerline of rd., 4.2 ft SE. of fence corner; 2.4 ft E. of E. right-of-way fence; about 425 S. of a white wood frame farmhouse; 1.2 ft E. of a standard metal witness post; in the top of a concrete post; a standard tablet, stamped "7 GDS 1965"; painted "HM 7 1307.9" 1308.071

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PERSIA QUADRANGLE
108 - IOWA

LINE 3 (Cont'd)

FEET

PERSIA QUAD. - 108

- 1 43 23.4 UE 7 GDS A, about 0.5 mi S. and 0.2 mi W. along rd. from tablet, 72 ft N., 27 ft E. and 3.4 ft higher than centerline of rd. forks; in the base of the S., side of a telephone pole, a RR. spike 1240.64
- 45 25.1 UE 7 GDS B, about 1.5 mi S. and 0.2 mi W. along county rd. from tablet at Beebeetown, 50 ft N., 24 ft W. and 0.2 ft lower than crossroads; on top of N. end of an 18-in. corrugated metal culvert; a punched hole, 1325.1
- 46 26.1 UE 7A C, 2.5 mi S. and 0.2 mi W. along rd. from tablet; 128 ft N., 28 ft W. and 1.3 ft lower than T-rd. N., on top of W. end of a 60-in. corrugated metal culvert; a chiseled cross; painted "UE 7A C 1209.6" 1209.75
- 47 26.1 "USGS BM 61 RC 1955 1258" (Described in Line 1) 1257.590

LINE 4

NORTH ALONG NORTHPORTION OF WEST BORDER. (G.D. Scroggins, 1965; Book CV-1914)

MISSOURI VALLEY QUAD. 109

- 1 48 0.0 UE 4 GDS A, (Described in Line 3) 1040.62
- 49 1.2 UE 4 GDS AA, about 1.6 mi NE. along U.S. Hwy. 30 from tablet, 54 ft S., 47 ft SW. and 0.2 ft higher than T-rd. N., on top of SW. end of a 30-in. concrete tube type culvert, a chiseled square; painted "UE 4 AA 1100.1" 1100.10
- 50 2.3 UE 4 GDS AB, about 2.7 mi NE. along U.S. Hwy. 30 from tablet, 48 ft SW. and 23 ft W. and 0.7 ft higher than T-rd. E., on top and in center of W. headwall of a 7 by 7 ft concrete box culvert, a chiseled square; painted "UE 4 AB 1058.3" 1058.26

PERSIA QUAD. - 108

- 51 2.8 Logan, about 1.7 mi N. and 2.5 mi E. of; T. 79 N., R. 42 W., near the center of section 9, 73 ft N., 26 ft E. and 1.3 ft lower than crossroads; (U.S. Hwy. 30), on top and in center of N. headwall of 93 by 15 ft concrete box culvert, a standard tablet stamped "8 GDS 1965"; painted "BM 8 1062.1" 1062.055
- 52 4.0 UE 8 GDS A, about 1.2 mi N.-NW. along county rd. from tablet, at the centerline of a steel truss bridge over Boyer River, 22.0 ft above water head of RR. spike driven flush with wooden floor of bridge; painted "UE 8 A CENTERLINE 1046.7" 1046.66
- 53 4.9 UE 8 GDS B, about 1.8 mi N. along rd. from tablet, at the crossing of Chicago Northwestern RR. and Illinois Central RR., 21 ft S. and 1.1 ft higher than centerline of rd. below the I.C. RR. overpass, on top of NE. corner of a 4 by 6 concrete slab, a chiseled square; painted "UE 8 B 1051.6" 1051.58
- 54 5.2 Reference Mark 9 GDS 1965; 49 ft E. of tablet, 12 ft N. and 3.0 ft above centerline of rd. at Illinois Central RR. overpass, on top and in center of second offset (from ground level) of N. concrete abutment, chiseled square; painted "R.M." 1051.20
- 54 5.2 BM 9 GDS 1965; Logan, about 3.6 mi N. and 2.3 mi E. of, T. 80 N., R. 42 W., in the SW $\frac{1}{4}$ of sec. 33, at a RR. overpass, at milepost 479 of the Illinois Central RR., 11 ft S. and 4.2 ft above rd., 4.5 ft E. of the W. end of the S. concrete abutment on top and in center of the second offset, (from ground level) of S. concrete abutment of the RR. overpass, a standard tablet stamped "9 GDS 1965"; painted "B.M. 9 1053.4" 1053.310

LINE 4 (Cont'd)

FEET

PERSIA QUAD. - 108

- 1 55 6.4 UE 9 GDS A, about 0.7 mi N. along rd. from tablet, 18 ft S., 23 ft W. and 0.6 ft lower than crossroads; on top of S. end of a 24-in. corrugated metal culvert, a punched hole; painted "UE 9 A 1098.0" 1097.9

MISSOURI VALLEY QUAD. - 109

- 56 6.7 UE 9 GDS B, about 0.7 mi N. and 0.3 mi W. along rd. from tablet; 23 ft S., 12 ft E. and 1.6 ft lower than rd. at E. drive S. on top of an 18-in. corrugated metal culvert, a punched hole, painted "UE 9 B 1233.1" 1233.0
- 58 7.7 UE 9 GDS C, near S $\frac{1}{4}$ cor. between secs. 20 and 21, T. 80 N., R. 42 W., 15 ft E. and 1.3 ft lower than centerline rd. on top of E. end of a 72 in corrugated metal culvert, a chiseled cross; painted "UE 9 C 1189.6" 1189.52
- 59 8.3 HM 10 GDS 1965; Woodbine, about 0.7 mi S. and 2.5 mi W. of, T. 80 N., R. 42 W., near N. one-sixteenth cor. between secs. 20 and 21; 118 ft S., 50 ft W. and 3.9 ft higher than crossroads; 3.0 ft N. and 3.0 ft E. from SE. cor. of an 8 by 8 ft concrete block building, housing a 2-way radio communication equipment for Harrison county rural Electric Association. 4.0 ft N. of a large creosoted pole supporting a 2-way radio antenna, in the top of a concrete post; a standard tablet, stamped 10 GDS 1965 (flush with ground); painted "B.M. 10 1345.1" 1344.988
- 60 9.0 UE 10 A, about 0.7 mi N. along rd. from tablet, 5.0 ft N., 20 ft E. and 0.9 ft lower than T-rd. W., at base of powerline pole, head of rail spike; painted "UE 10 A 1360.2" 1360.05
- 61 10.0 UE 10 B, about 1.5 mi N. along rd. from tablet, at centerline of county (paved) rd. D. and gravel rd. S., a chiseled square; painted "UE 10 B CENTERLINE" 1247.42
- 62 10.4 UE 10 GDS C, about 1.5 mi N. and 0.5 mi NW. from tablet, about 415 ft W. of county rd. D, 38 ft S. of centerline of gravel rd., on top and in center of an 8 by 8 ft concrete box culvert, a chiseled square; painted "UE 10 C 1202.2" 1202.12

MOOREHEAD QUAD. - 134

- 64 11.3 Reference mark GDS 1965, 60 ft N. of tablet, 20 ft S. and 21 ft E. of crossroads, on top of S. end of an 18-in. corrugated metal culvert; a punched hole; painted "R.M." 1250.4
- 65 11.3 Woodbine, about 1.0 mi N. and 4.0 mi W. of, T. 80 N., R. 42 W., near center of sec. 7, 74 ft S., 30 ft E. and 0.7 ft higher than T-rd. S., 4.3 ft E. of right-of-way fence, 3.0 ft S. of a standard metal witness post; in top of a concrete post; a standard tablet stamped "11 GDS 1965"; painted "B.M. 1251.6" 1251.459
- 67 11.9 UE 11 GDS A, about 0.5 mi along rd. from tablet, at centerline of rd. at driveway S. to farmhouse; painted "UE 11 A CENTERLINE" 1120.4