

THIRD-ORDER LEVELS
SEA LEVEL DATUM OF 1929

Final Adjustment of 1972

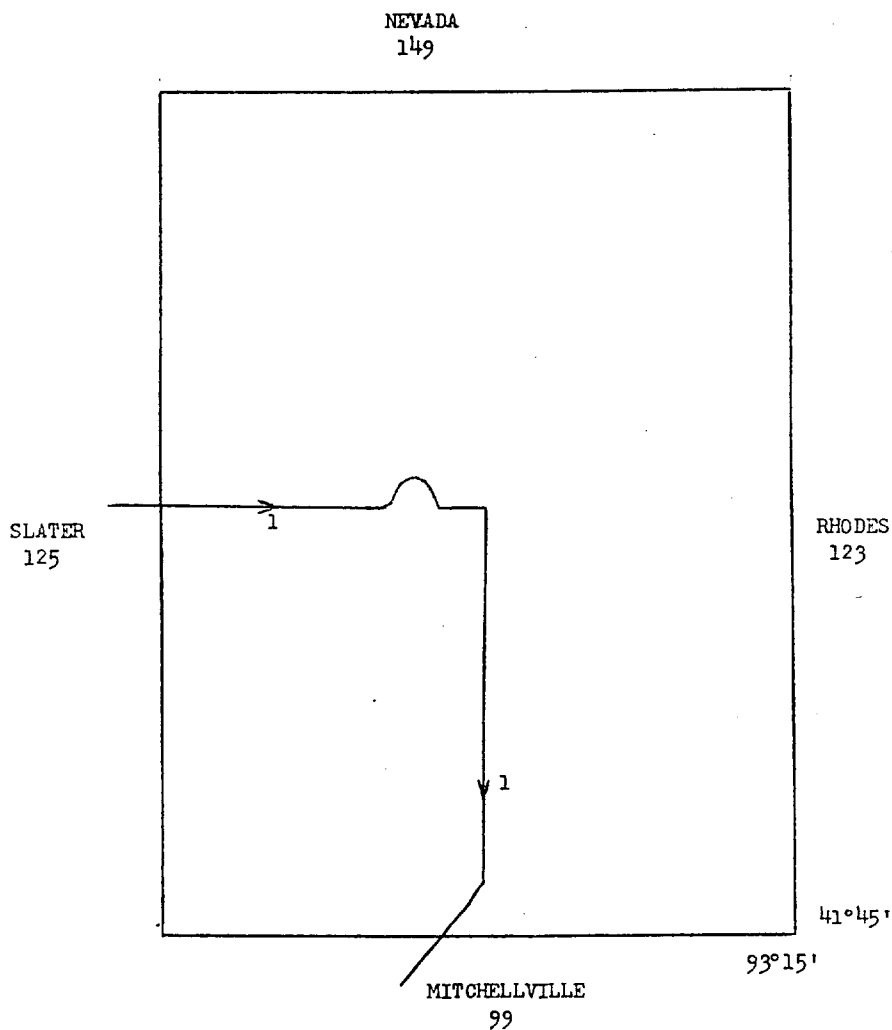
Story, Polk and Jasper Counties

Edition of: 3-15-72

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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MAXWELL QUADRANGLE
124 - IOWA
N4145-W9315/15
DIAGRAM NK 15-8
DIS MOINES



N.G.S. VERTICAL CONTROL DATA
Quadrangle No. 410931

124-D

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MAXWELL QUADRANGLE
124 - IOWA

LINE 1

FEET

K.E. Daly, 1971; Book CV-2752

SLATER QUAD. - 125

1	4	0.0	BM Q 33 RESET 1939. 1.3 mi S. along the Chicago, Rock Island and Pacific RR. from the station at Cambridge, Story County, 63.3 ft NE. of a cross on the face of the E. pillar of an overhead crossing, 45.9 ft E. of the E. rail, and 3.3 ft NW. of a powerline pole, a standard USC&GS disk stamped "Q 33 RESET 1939" and set in the top of a concrete post	856.685
<u>MAXWELL QUAD. - 124</u>				
4	0.1		Cambridge, 1.6 mi S. of along RR. at hwy. overpass (State Hwy. 210) near cor. secs. 27, 28, 33 and 34, T. 82 N., R. 23 W., top of W. end of S. concrete railing of bridge, a USC&GS and State disk stamped "187-85" (Elev. by USGS)	887.799
5	1.2		UE Q 33 A, Centerline, 1.1 mi E. along State Hwy. 210 from disk, centerline hwy. at fence and tree line S., copper nail and washer; painted	848.31
6	2.2		UE Q 33 B, 2.1 mi E. along State Hwy. 210 from disk at crossroads, 34 ft N., 55 ft E. and 3.7 ft lower than hwy. at N.-S. rd.; N. end of 2 ft concrete pipe culverts; a chiseled square; painted	940.32
8	3.4		Richelson 1928, Reference mark (No description available)	1022.501
8	3.4		Richelson, (USC&GS) 1928; Maxwell about 4.0 mi W. and 0.75 mi S. of; about 0.5 mi SE. of Elwell RR. station in the NW 1/4 sec. 31, T. 82 N., R. 22 W., on land owned by Mrs. Mary Addison of Nevada; the land is locally known as the W.L. Richelson Farm; station on slight rise in a cultivated field just S. of a farm building; 31 meters S. of a large corn crib; 64.38 meters SE. of a tile silo; and 131.5 meters W. of quarter sec. line fence; station mark is set in concrete; 20-in. below surface of ground	1025.345
9	4.3		UE Triangulation Station A, 0.9 mi E. along State Hwy. 210 from disk, at crossroads, 29 ft N., 45 ft W., and 2.7 ft lower than hwy. at N.-S. rd. N. end of 2.5 ft concrete pipe culvert; chiseled square; painted	975.15
11	5.3		UE Triangulation Station B, 1.9 mi E. along State Hwy. 210 from disk near crossroads, 21 ft S., 119 ft W. and level with crossroads; E. end of S. headwall of 20 ft concrete box culvert; chiseled square; painted	880.37
13	6.4		Maxwell, 0.5 mi SW. along State Hwy. 210 at a bridge across Indian Creek; near S. sixteenth cor. between secs. 27 and 28, T. 82 N., R. 22 W., 13.5 ft SE. and 0.8 ft higher than rd., center of SE. end of base of concrete approach railing of S. abutment a standard tablet stamped "1 KED 1971"; painted	871.133
14	6.5		Reference mark, is 160 ft N. of tablet, 13.5 ft E. of centerline of rd. center of NE. end of base of concrete approach railing, chiseled square	871.10
15	6.9		UE 1 A, 0.5 mi NE. along hwy. from tablet at T-rd. E. just S. of RR., 45 ft S., 22 ft W., and 3.3 ft lower than hwy. at rd. E.; W. end of 2 ft concrete tube culvert; chiseled square; painted	866.42
16	7.4		UE 1 B, 0.5 mi NE. and 0.4 mi E. of tablet, 32 ft S., 94 ft W. and 5.1 ft lower than T-rd. N. of offset crossroads; W. end of 1.2 ft metal culvert, under driveway S., punched hole in painted square, painted	889.93

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MAXWELL QUADRANGLE
124 - IOWA

LINE 1 (Cont'd)

MAXWELL QUAD. - 124

FEET

1	18	8.4	UE 1 C, 0.2 mi S. and 1.2 mi E. of tablet, at crossroads; 46 ft N., 24 ft E. and 1.0 ft higher than crossroads; S. side of RR. tie fence cor. post, head of RR. spike; painted	950.70
19	9.1		Reference mark, is 68.7 ft NNE. of tablet, 32 ft N. and 21 ft W. of crossroads; W. end of 2.0 ft metal culvert; a punched hole in painted square; painted	927.61
20	9.2		Maxwell, 1.0 mi S. and 1.5 mi E. of, at crossroads, near cor. secs. 25, 26, 35 and 36; T. 82 N., R. 22 W.; 35.5 ft S., 36 ft W. and 0.3 ft higher than crossroads, 2 ft S. of metal witness post; centered in a 6-in. tile flush with ground and filled with gravel; a standard tablet attached to a driven copper weld rod, tablet is 1-in. below surface and stamped "2 KED 1971" painted	930.175 925.01
22	10.3		UE 2 A, 1.1 mi S. of tablet, 215 ft N., 57 ft W. and 1.4 ft higher than T-rd. W; SE. cor. of bottom step at entrance to Peoria Methodist Church; chiseled square	925.01
24	11.5		Reference mark, is 2 ft NW. of tablet, NW. cor. of concrete base of S. concrete abutment and 3.5 ft lower than rd., chiseled square; painted	847.80
25	11.5		Maxwell, 2.9 mi S. and 2.0 mi E. of a bridge, across Indian Creek near quarter cor. between secs. 11 and 12, T. 81 N., R. 22 W., 12.5 ft W. and 0.9 ft higher than rd. at bridge; top of S. end of concrete base of W. railing, a standard tablet stamped "3 KED 1971"; painted	852.192
26	11.5		UE 3 A, 0.6 mi S. of tablet, at T-rd. W., 23 ft N., 38 ft W. and 2.9 ft lower than T-rd. W.; N. end of 4 ft concrete pipe culvert, chiseled square; painted	850.80
28	13.2		UE 3 B, 1.7 mi S. of tablet near crossroads, 14 ft S., 345 ft E. and 10.3 ft lower than crossroads; center of S. headwall of 18 ft concrete box culvert, chiseled square; painted	893.48
29	14.3		Reference mark is 416 ft E. of tablet, 33 ft N. and 86 ft W. of crossroads; SW. cor. of bottom step at entrance to the Methodist Protestant Church, chiseled square, not painted	964.03
30	14.4		At Farrar, at entrance to cemetery, near cor. secs. 23, 24, 25 and 26; T. 81 N., R. 22 W., 27.5 ft N., 501 ft W. and 9.3 ft higher than crossroads; 22.5 ft W. of rd. S. by school, 3.7 ft E. of E. gate post of entrance to cemetery and 0.5 ft S. of fence; a standard tablet attached to a copper weld rod centered in a 6-in. tile filled with gravel and level with ground, tablet is stamped "4 KED 1971"; not painted	969.260
31	15.5		UE 4 A, 1.1 mi S. along hwy. from tablet, at crossroads, 24 ft S., 56 ft E. and 1.3 ft lower than crossroads S. end of 2.0 ft metal culvert, punched hole in painted square; painted	974.91
32	16.6		UE 4 B, 2.0 mi S. of tablet, at crossroads; 32 ft N., 41 ft E. and 4.4 ft lower than crossroads, SE. end of NE. headwall of 8 ft concrete box culvert, chiseled square; painted	916.04
34	17.6		Farrar, 3.0 mi S. of at junction with U.S. Hwy. 65, near cor. secs. 1, 2, 11 and 12, T. 80 N., R. 22 W.; 130 ft S., 16.5 ft W. and 1.2 ft lower than hwy. at N.-S. rd.; S. end of W. headwall of 10 ft concrete box culvert, a standard tablet stamped "5 KED 1971"; painted	846.958

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MAXWELL QUADRANGLE
124 - IOWA

LINE 1 (Cont'd)

MAXWELL QUAD. - 124

FEET

1 35 17.6 Reference mark is 290 ft W. of tablet, 283 ft SW. along hwy. and 19 ft S. of
centerline hwy., E. end of S. headwall of 10 ft concrete box culvert, chisel-
ed square; painted 847.01

MITCHELLVILLE QUAD. - 99

36 18.8 UE 5 A, 1.1 mi SW. along U.S. Hwy. 65 from tablet at a bridge, 14.5 ft N. and 0.3 ft
higher than rd. at bridge, center of NW. end of W. abutment, chiseled square;
painted 812.68

37 19.5 UE 5 B Centerline, 1.8 mi SW. along U.S. Hwy. 65 from tablet at a bridge over
Skunk River, centerline hwy. at center of bridge copper nail and washer; paint-
ed 818.8

38 20.5 Reference mark is 76.5 ft N. of tablet, 137 ft N. along hwy. and 15 ft SE. of
centerline of hwy., center of SE. wingwall of S. abutment, chiseled square
painted 841.59