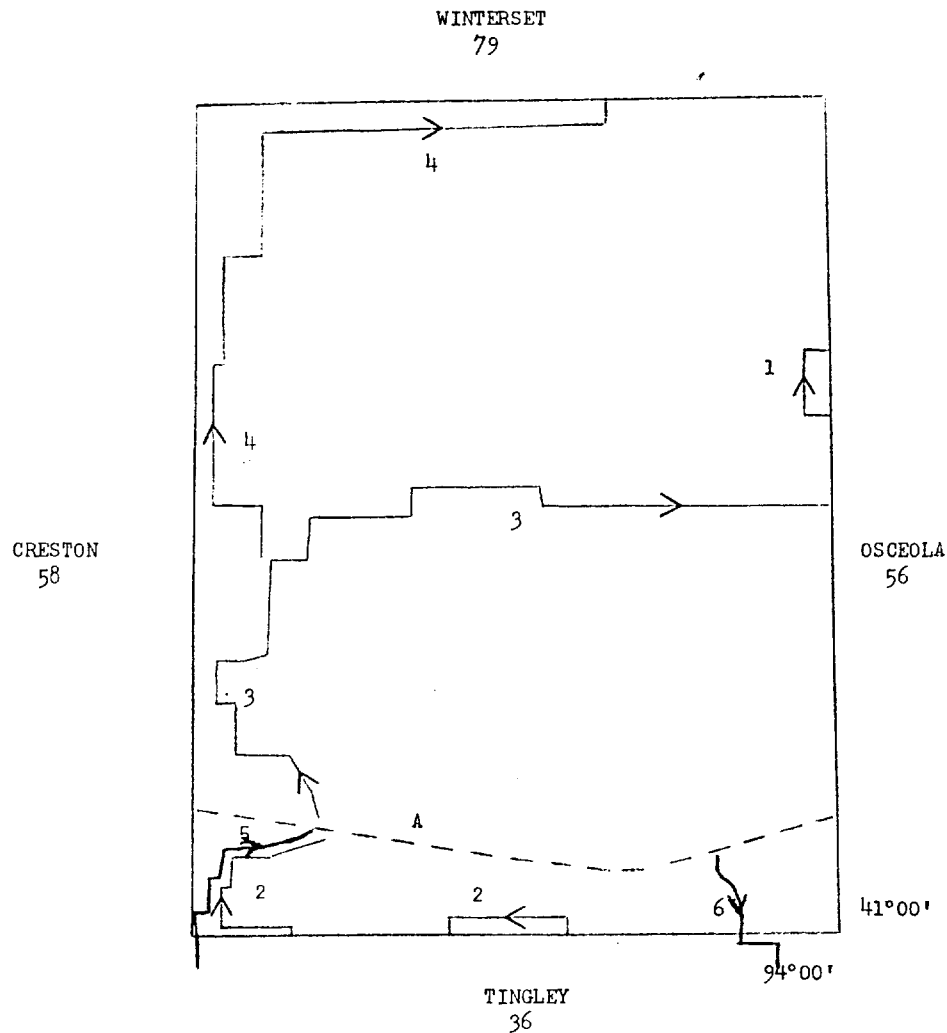


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYTHIRD ORDER LEVELS
SEA LEVEL DATUM OF 1929Clarke, Madison, and Union
CountiesEdition of : 5-5-79
PR: HM/TK/ph41-094-22
AFTON QUADRANGLE
57 - IOWA
N4100-W9400/15
DIAGRAM NK 15-7
OMAHA, NEB., IOWAUSC&GS VERTICAL CONTROL DATA

A=Quadrangle No. 410942

57C

LINE 1

FEET

R. D. Searcy, 1950; Book CV-352

- 3.2 UE 36 B; 0.8 mi N., thence 0.5 mi N. and W. from tablet; near summit of ridge, about 325 ft E. of N.-S. fence line, 2 ft N. of E.-W. fence line, in S. root of 27 in. elm tree; copper nail and washer 1162.85
- 4.3 Barney, 0.5 mi N. of, near S. sixteenth cor. sec. 30; T. 74 N., R. 27 W., 180 ft S. of fence line E.-W., 29 ft S. and 32 ft W. from T-driveway E. to farmhouse on E. side of rd., 6 ft N. of power pole, in concrete post; standard tablet stamped "TT 37 MT 1950" 1113.127
- 4.3 Reference Mark, 165 ft N. of tablet; 32 ft W. of rd., iron rod projecting 6 in. 1117.75

LINE 2

R. D. Searcy, 1950; Book CV-352

- 8.2 Thayer, 1.5 mi S. and 2.8 mi W. from; Talmago, 2.0 mi S. and 0.5 mi E. from; near W. sixteenth cor. sec. 29, T. 72 N., R. 28 W., 638 ft S. and 42 ft W. from rd. at T-rd. W., 7 ft S. of power pole, in concrete post; standard tablet stamped "14 RDS 1950" 1030.924
- 8.2 Reference Mark, 265 ft S. of tablet; 42 ft W. of rd., iron rod projecting 6 in. 1033.02
(Jogs into Tingley Quad.)
- 15.8 Afton, 1.5 mi S. and 1.5 mi W. from; near quarter cor. secs. 29 and 30; T. 72 N., R. 29 W., 39 ft S. and 822 ft W. from rd. at T-rd. S., at crest of hill, 120 ft E. of T-fence N., 24 ft E. of metal gate, in concrete post; standard tablet stamped "17 RDS 1950" 948
1217.844
~~1218.904~~
- 15.9 Reference Mark, 119 ft W. of tablet; 39 ft S. of rd., iron rod projecting 6 in. 1218.24
- 17.9 Afton, 0.5 mi S. and 2.3 mi W. from; near W. sixteenth cor. sec. 19, T. 72 N., R. 29 W., 335 ft S. and 34 ft W. from T-rd. W., 100 ft S. of power pole, in concrete post; standard tablet stamped "18 RDS 1950" 1263.353
- 17.9 Reference Mark, 140 ft N. of tablet; 33 ft W. of rd., iron rod projecting 6 in. 1261.36
- 20.5 At Afton, Union County, on U.S. Hwy. 169; 50 ft S. of the Chicago, Burlington & Quincy RR. underpass, 50 ft E. of the center of the hwy., and 6 ft SW. of a brick toolhouse belonging to the city. A standard USC&GS disk stamped "AFTON 1934" and set in the top of a concrete post 1247.379

LINE 3

R. D. Searcy, 1950; Book CV-352

- 0.7 Afton Post Office, 0.8 mi NW. of along County Rd. J, near W. sixteenth cor. sec. 16, T. 72 N., R. 29 W., 138 ft S. of an E.-W. fence, 6 ft N. and 54 ft E. of county rd. at private drive W., 16 ft S. and 20 ft E. of Reference Mark No. 2 of USC&GS Triangulation Station AFTON, 2 ft W. of right-of-way fence, standard tablet crimped on top of copper rod, stamped "19 RDS RESET 1969" 1246.586
- 0.7 Reference Mark, 107 ft N. of tablet, in E. root of pine tree; copper nail and washer 1246.04
- 2.8 Afton, 2.0 mi N. and 1.5 mi W. from; near cor. secs. 5, 6, 7 and 8; T. 72 N., R. 29 W., in schoolyard, 40 ft N. and 28 ft W. from NW. cor. of schoolhouse, 28 ft S. of rd., 5 ft W. of power pole, in concrete post; standard tablet stamped "20 RDS 1950" 1177.920

LINE 3 (Cont'd)

FEET

2.8	Reference Mark, 55 ft SE. of tablet; on NE. cor. of concrete walk, chiseled square	1179.44
5.0	Afton, 3.0 mi N. and 2.5 mi W. from; near cor. secs. 1, 6, 31 and 36; Tps. 72 and 73 N., Rs. 29 and 30 W., 470 ft N. and 21 ft W. from E.-W. rd. at T-rd. N., in concrete post; standard tablet stamped "21 RDS 1950"	1213.645
5.0	Reference Mark, 54 ft N. of tablet; 21 ft W. of rd.; iron rod projecting 6 in.	1216.42
7.4	Afton, 4.5 mi N. and 1.5 mi W. from; near quarter cor. secs. 29 and 30; T. 73 N., R. 29 W., near crest of hill, 282 ft N. of rd. entrance to A. J. Scherer farmhouse, 35 ft S. of short T-fence E., 19 ft E. of rd., in concrete post; standard tablet stamped "22 RDS 1950"	1234.147
7.4	Reference Mark, 88 ft S. of tablet; 19 ft E. of rd.; iron rod projecting 6 in.	1234.40
9.2	Afton, 6.0 mi N. and 1.0 mi W. from; near quarter cor. secs. 17 and 20; T. 73 N., R. 29 W., about 750 ft W. of N.-S. fence line, 247 ft E. of T-fence N., 32 ft N. of rd., 8 ft E. of power pole, in concrete post; standard tablet stamped "23 RDS 1950"	1273.616
9.2	Reference Mark, 160 ft E. of tablet; 32 ft N. of rd.; iron rod projecting 6 in.	1274.57
10.9	Afton, 7.0 mi N. and 0.5 mi W. of; Lorimor, 8.0 mi W. of; near cor. secs. 8, 9, 16 and 17; T. 73 N., R. 29 W., 59 ft S. and 373 ft E. of center of crossroads, in concrete post, standard tablet stamped "24 RDS RESET 1969"	1249.832
10.7	Reference Mark, about 750 ft SW. of tablet; 732 ft S. of crossroads, 14 ft W. of rd., on center of W. concrete headwall, chiseled square	1214.07
12.8	Lorimor, 6.0 mi W. of; near cor. secs. 10, 11, 14 and 15; T. 73 N., R. 29 W., 383 ft N. and 39 ft E. from point of intersection of curve in County Rd. "C", 39 ft E. of rd., 18 ft S. of telephone pole, in concrete post; standard tablet stamped "25 RDS 1950"	1164.866
12.9	Reference Mark, 81 ft N. of tablet; 39 ft E. of rd., iron rod projecting 6 in.	1157.99
15.0	Lorimor, 0.5 mi N. and 4.0 mi W. from; near E. sixteenth cor. sec. 12, T. 73 N., R. 29 W., 210 ft E. of T-fence S., 196 ft E. of T-fence N., 49 ft E. of telephone pole, 38 ft S. of rd., in concrete post; standard tablet stamped "26 RDS 1950"	1178.407
15.0	Reference Mark, 71 ft E. of tablet; 38 ft S. of rd.; iron T-bar projecting 5 in.	1176.72
17.7	Lorimor, 2.0 mi W. of; near cor. secs. 8, 9, 16 and 17; T. 73 N., R. 28 W., 34 ft S. and 756 ft E. from T-rd. S., in concrete post; standard tablet stamped "27 RDS 1950"	1206.081
17.8	Reference Mark, 189 ft E. of tablet; 34 ft S. of rd.; iron T-bar projecting 5 in.	1206.59

Lorimor, 0.7 mi N. along U.S. Hwy. 169 from, 101 ft SW. of SW. cor. of farmhouse, 33 ft E. of hwy., 29 ft S. of drive E., in concrete post; standard tablet stamped "28 RDS 1950"

NOTE: It is believed a new tablet stamped "28 RDS 1950 RESET 1974" was set near this mark 75 ft from center of hwy.

1229.46

22.0	Lorimor, 1.0 mi E. of; near cor. secs. 11, 12, 13 and 14; T. 73 N., R. 28 W., 21 ft S. and 305 ft E. from crossroads, 21 ft S. of rd., in concrete post; standard tablet stamped "29 RDS 1950"	1221.225
22.0	Reference Mark, 244 ft NE. of tablet, 20 ft N. of rd., angle iron projecting 6 in.	1216.44

LINE 4

FEET

R. D. Searcy, 1950; Book CV-352

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| 1.9 Afton, 7.0 mi N. and 2.5 mi W. of; near cor. secs. 7, 12, 13 and 18; T. 73 N., Rs. 29 and 30 W., 528 ft E. of crossroads, 44 ft S. and 65 ft E. of private drive N., in concrete post, standard tablet designated "30 RDS RESET 1962" (Not stamped) | 1280.186 |
| 2.0 Reference Mark, 111 ft W. of tablet; 30 ft S. of rd., angle iron projecting 6 in. | 1279.66 |
| 4.1 Afton, 9.0 mi N. and 2.5 mi W. from; Macksburg, 4.0 mi S. and 3.0 mi W. from; near cor. secs. 1, 6, 31 and 36; Tps. 73 and 74 N., Rs. 29 and 30 W., 682 ft W. of T-rd. N., 560 ft E. of T-rd. S., 37 ft N. of rd., 38 ft E. of wire gate into pasture, 10 ft E. of power pole, in concrete post; standard tablet stamped "31 RDS 1950" | 1197.345 |
| 4.1 Reference Mark, 104 ft E. of tablet, 37 ft N. of rd., angle iron projecting 6 in. | 1201.89 |
| 6.7 Macksburg, 1.5 mi S. and 2.8 mi W. from; near W. sixteenth cor. sec. 19, T. 74 N., R. 29 W., 405 ft N. of T-rd. E., 23 ft E. of rd., 12 ft S. of power pole, in concrete post; standard tablet stamped "32 RDS 1950" | 1201.029 |
| 6.8 Reference Mark, 206 ft N. of tablet; 23 ft E. of rd., angle iron projecting 5 in. | 1202.70 |
| 8.8 Macksburg, 2.0 mi W. of; near cor. secs. 7, 8, 17 and 18; T. 74 N., R. 29 W., 340 ft S. of T-rd. W., 24 ft E. of rd., in concrete post; standard tablet stamped "33 RDS 1950" | 1200.738 |
| 8.8 Reference Mark, 145 ft S. of tablet; 24 ft E. of rd., angle iron projecting 6 in. | 1195.43 |
| 10.8 Macksburg, 2.0 mi N. and 2.0 mi W. from; near cor. secs. 5, 6, 31 and 32; Tps. 74 and 75 N., R. 29 W., 492 ft S. of crossroads, 43 ft N. of gate and field entrance W.; 19 ft W. of rd., 4 ft S. of power pole, in concrete post; standard tablet stamped "34 RDS 1950" WMH NOT FOUND 09-77 | 1244.406 |
| 10.8 Reference Mark, 225 ft N. of tablet; 18 ft W. of rd., angle iron projecting 6 in. | 1234.65 |
| 12.9 Macksburg, 2.0 mi N. of, near cor. secs. 3, 4, 33 and 34; Tps. 74 and 75 N., R. 29 W., 417 ft E. of crossroads, 114 ft E. of power pole, 32 ft S. of rd., in concrete post; standard tablet stamped "35 RDS 1950" | 1220.797 |
| 14.8 Macksburg, 2.0 mi N. and 2.0 mi E. from; near cor. secs. 1, 2, 35 and 36; Tps. 74 and 75 N., R. 29 W., 233 ft W. of T-rd. S., 28 ft S. of rd., 12 ft E. of power pole, in concrete post; standard tablet stamped "36 RDS 1950" | 1174.800 |
| 14.8 Reference Mark, 135 ft E. of tablet; 28 ft S. of rd., angle iron projecting 6 in. | 1168.55 |
| 17.1 Macksburg, 2.0 mi N. and 4.3 mi E. from; near W. sixteenth cor. secs. 5 and 32; Tps. 74 and 75 N., R. 28 W., 237 ft E. of T-rd. N., 116 ft W. of power pole, 101 ft W. of private drive S., 28 ft N. of rd., in concrete post; standard tablet stamped "37 RDS 1950" | 1207.552 |
| 17.2 Reference Mark, 382 ft E. of tablet; 28 ft N. of rd., angle iron projecting 6 in. | 1204.50 |