

THIRD-ORDER LEVELS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Adams, Union and Adair Counties

EDITION OF: 3-24-78

PR: ADP/cb

41-094-23

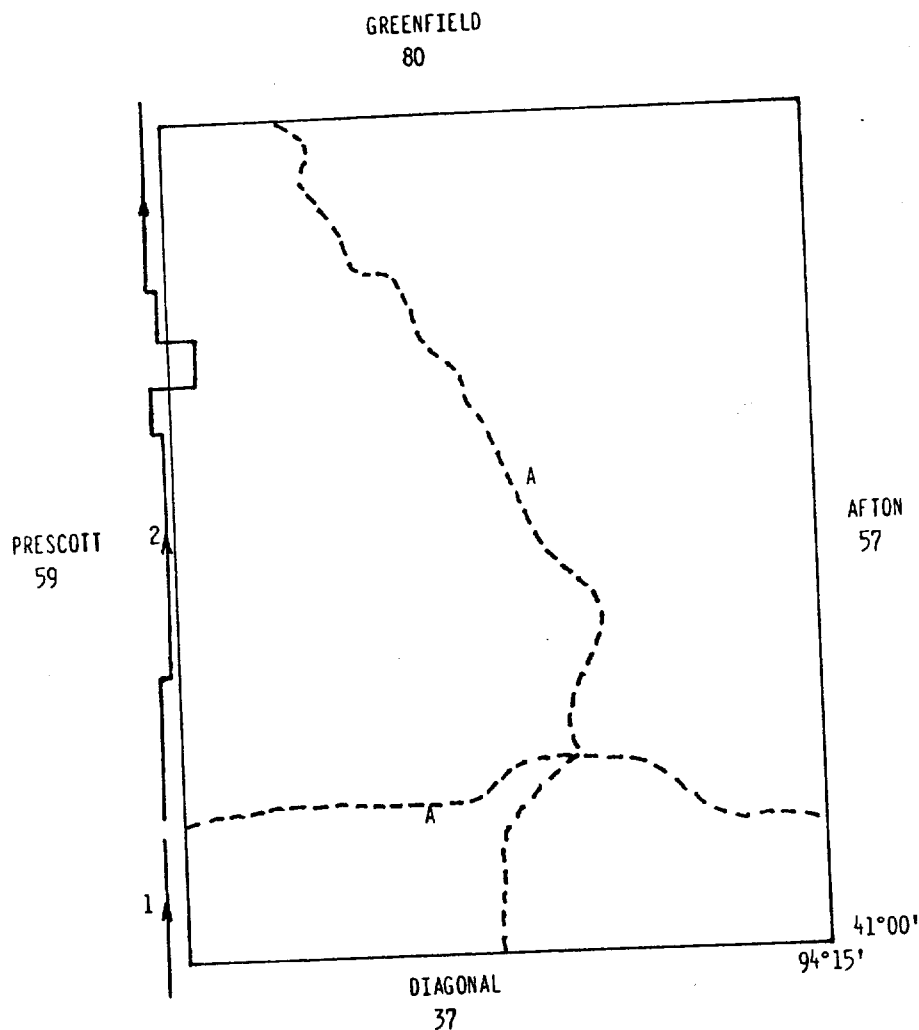
CRESTON QUADRANGLE

58 - IOWA

N4100-W9415/15

DIAGRAM NK 15-7

OMAHA



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

A. Quadrangle No. 410942

58 C

FEET

LINE 1

LENOX QUAD. - 38 IOWA

F.W. Krueger, 1977; BOOK CV-3392

- 2 50 14.9 UE 10 A, 0.5 mi N. from tablet, T. 71 and 72 N., R. 32 W., near cor. secs. 2, 3, 34 and 35, 87 ft S., 17 ft E. and 4.4 ft lower than N.-S. road at double fenced lane W.; 8 ft above drain W.; on SE. end of a SE.-NW. 30-in. concrete culvert; a chiseled square 1210.57

PRESCOTT QUAD. - 59 NEBR.

- 53 15.9 UE 10 B, 1.5 mi N. from tablet, T. 72 N., R. 32 W., near cor. secs. 26, 27, 34 and 35, 19 ft N., 29 ft E. and 3 ft lower than crossroads; on N. end of an 18-in. N.-S. culvert, a punched hole 1224.76
- 56 17.0 UE 10 C, 2 mi N. from tablet, T. 72 N., R. 32 W., near cor. secs. 22, 23, 26 and 27, 20 ft S., 24 ft W. and 3 ft lower than crossroad; on S. end of a 24-in. N.-S. concrete culvert; a chiseled square 1237.50
- 59 18.2 Reference mark, 71 ft N. and 39 ft E. of tablet, 176 ft N., 25 ft W. and 2.2 ft lower than crossroads, on N. end of a N.-S. 18-in. iron pipe culvert under entrance; a punched hole 1288.74
- 60 18.2 BM, Clearfield, 16 mi N. and 1.5 mi W. of; T. 72 N., R. 32 W., near cor. secs. 22, 23, 14 and 15, 105 ft N., 74 ft W. and 0.6 ft lower than crossroads, 8 ft N. and 15 ft W. of a cedar tree; at the W. end of a sidewalk; center of bottom step; standard tablet stamped "11 FWK 1977" (countersunk) 1290.322
- 61 19.0 UE 11 A, 0.8 mi N. from tablet; T. 72 N., R. 32 W., near N. sixteenth cor. between secs. 14, 15, 85 ft N. and 0.7 ft lower than overpass at R.R.; 27 ft above R.R., 11 ft E. centerline of road at N. end of overpass; in the E. end of N. wooden headwall of overpass; top of 1-in. flat head of tie bolt; a chiseled cross 1291.69
- 62 19.1 BM, Prescott, 1.3 mi N. and 5 mi E. of; T. 72 N., R. 32 W., near N. sixteenth cor. between secs. 14 and 15, 23 ft S. and 6 ft E. of overpass at R.R.; 26.6 ft lower than overpass; 23 ft S. of R.R., 4.2 ft higher than rail, in NE. corner of 3 ft x 3 ft concrete base of overpass; standard USC&GS disk stamped "G 109 1935" 1265.762

LINE 2

PRESCOTT QUAD. - 59

F.W. Krueger, 1977; Book CV-3392

- 3 2 0.0 UE 11 A, 0.8 mi N. from tablet; T. 72 N., R. 32 W., near N. sixteenth cor. between secs. 14 and 15; 85 ft N. and 0.7 ft lower than overpass at R.R.; 27 ft above R.R., 11 ft E. of centerline of road at N. end of overpass; in the E. end of N. wooden headwall of overpass; top of 1-in. flat head of tie bolt; a chiseled cross 1291.686
- 3 0.3 UE G 109 A, about 0.3 mi N. from disk; T. 72 N., R. 32 W., near cor. secs. 10, 11, 14 and 15, 28 ft S., 21 ft W. and 0.3 ft lower than crossroads; on W. end of an E.-W. 18-in. iron pipe culvert; a punched hole 1293.07

PRESCOTT QUAD. - 59

FEET

LINE 2 (Cont'd)

- | | | | | |
|----|-----|-----|--|----------|
| 3 | 6 | 1.3 | UE G 109 B, 1.3 mi N. from disk; T. 72 N., R. 32 W., near cor. secs. 10, 11, 2 and 3; 40 ft N., 14 ft E. and 0.6 ft lower than crossroad; on E. end of an E.-W. 30-in. iron pipe culvert; a punched hole | 1211.59 |
| 9 | 2.2 | | UE G 109 C, 2.3 mi N. from disk; Ts. 72 and 73 N., R. 32 W., near cor. secs. 2, 3, 34 and 35; 50 ft N., 17 ft W. and 5.8 ft lower than N.-S. road at E.-W. fences; on W. end of an E.-W. 24-in. iron pipe culvert; a punched hole | 1246.58 |
| 10 | 3.2 | | UE 109 D, 3.5 mi N. from disk; T. 73 N., R. 32 W., near cor. secs. 27, 28, 34 and 35; centerline county road, H24 at a gravel road S.; centerline is a chiseled square | 1283.06 |
| 12 | 3.7 | | UE 109 E., 3.3 mi N. and 0.5 mi E. from disk; T. 73 N., R. 32 W., near quarter cor. between secs. 23 and 26; 22 ft N., 22 ft E. and 0.2 ft higher than centerline of I-rd. N., on E. end of an E.-W. 18-in. iron pipe culvert; a punched hole | 1292.54 |
| 14 | 4.5 | | Reference mark, 30 ft S. and 22 ft W. from tablet; 15 ft S., 11 ft W. and same elevation as centerline bridge at drain, 9.6 ft above drain; in SW. concrete wingwall of bridge; a chiseled square | 1199.08 |
| 15 | 4.5 | | BM, Prescott 5 mi N., and 5.5 mi E. from; T. 73 N., R. 32 W., one sixteenth mi N. of center of sec. 26; 15 ft N., 11 ft E. and 0.1 ft lower than bridge at drain; 9.6 ft above drain; in NE. concrete wingwall of bridge; standard tablet stamped "12 FWK 1977" (counter-sunk) | 1198.941 |
| 17 | 5.0 | | UE 12 A, 0.3 mi N. from tablet; T. 73 N., R. 32 W., near cor. between secs. 23 and 26, 20 ft S., 30 ft W. and 2.5 ft lower than I-rd. W., on S. end of a N.-S. 36-in. iron pipe culvert; a punched hole | 1197.09 |
| 20 | 6.0 | | UE 12 B, 1.3 mi N. from tablet; T. 73 N., R. 32 W., near quarter cor. between secs. 14 and 28, 29 ft S., 17 ft E. and lower than I-rd. E., in E. end of a 24-in. E.-W. concrete culvert; a chiseled square | 1297.50 |
| 24 | 7.0 | | UE 12 C, 2.3 mi N. from tablet; T. 73 N., R. 32 W., near quarter cor. between secs. 11 and 14; 125 ft N., 24 ft E. and 0.6 ft higher than I-rd. W.; on S. end of a 24-in. N.-S. concrete culvert under entrance to loading chute; a chiseled square | 1244.81 |
| 27 | 8.3 | | Reference mark, 66 ft N. and 3 ft W. of tablet; 34 ft S., 130 ft E. and 1 ft lower than I-rd. S.; in the NW. corner of the N. end of concrete sidewalk to school; a chiseled square | 1316.02 |
| 28 | 8.3 | | BM, Prescott, 8.5 mi N. and 5.5 mi E. of; T. 73 N., R. 32 W., near S. center of secs. 2; in the town of Nevinville; 100 ft S., 133 ft E. and 1.9 ft higher than I-rd. S.; 3 ft N. and 3 ft E. of center of N. door to a school building that is no longer in use; in the NE. corner of a concrete porch; standard tablet stamped "13 FWK 1977" (countersunk) | 1318.938 |

FEET

PRESCOTT QUAD. - 59

LINE 2 (Cont't)

- 3 30 9.1 UE 13 A, 0.8 mi N. from tablet; T. 73 and 74 N., R. 32 W., near center of S. border of sec. 35; 16 ft S., 24 ft W. and 0.01 ft higher than crossroads; on S. end of a 24-in. N.-S. concrete culvert; a chiseled square 1270.60
- 32 9.6 UE 13 B, 1.3 mi N. from tablet; T. 74 N., R. 32 W., near center sec. 35, 11 ft N., 9 ft E. and 3 ft higher than bridge at drain; 15 ft above drain; on N. end of E. concrete rail of bridge; a chiseled square 1229.47
- 34 10.1 UE 13 C, 1.8 mi N. from tablet, T. 74 N., R. 32 W., near quarter cor. between secs. 26 and 35; 45 ft S. 2 ft W. and 2.3 ft lower than crossroad, on W. end of a 24-in. E.-W. concrete culvert; center of depressed square 1295.14
- 37 11.1 UE 13 D, 2.8 mi N. from tablet; T. 74 N., R. 32 W., near quarter cor. between secs. 23 and 26; 32 ft N., 33 ft E. and 1.4 ft lower than I-rd. S.; 2 ft W. of a power pole; 1 ft S. of a fence; top of copper coated rod 1319.94

CRESTON QUAD. - 58

- 38 11.4 Reference mark, 40 ft S. and 167 ft W. of tablet; 26 ft S. and 8 ft E. of E.-W. road at entrance S.; on E. end of an E.-W. iron pipe culvert under entrance to field S., a punched hole 1278.75
- 40 11.6 BM, Prescott, 11.5 mi N. and 6 mi E. of; T. 74 N., R. 32 W., about 800 ft W. of crossroads at cor. secs. 23, 24, 25 and 26; 14 ft N., 208 ft W. and 2.6 ft lower than E.-W. road at entrance to farm lane N.; 14 ft N. and 4.4 ft lower than bridge at drain; 14.7 ft above drain; center of N. concrete headwall of bridge; standard tablet stamped "14 FWK 1977" 1276.203
- 42 12.8 UE 14 A, 1 mi N. and 0.1 mi E. from tablet; T. 74 N., R. 32 W.; near cor. secs. 13, 14, 23 and 24; 60 ft S., 14 ft E. and 1.6 ft lower than crossroad; on W. end of an E.-W. square concrete culvert; a chiseled square 1322.63

PRESCOTT QUAD. - 59

- 44 13.4 UE 14 B, 1 mi N. and 0.5 mi W. from tablet; T. 74 N., R. 32 W., near quarter cor. between secs. 14 and 23, 15 ft N., 8 ft E. and 0.8 ft higher than center of bridge at drain; 17.6 ft above drain, center (bridge is diagonal) of N. concrete curb of bridge; a chiseled square; (drain is Shangri-la Creek) 1238.77
- 47 14.0 UE 14 C, 1 mi N. and 1 mi W. from tablet; T. 74 N., R. 32 W., near cor. secs. 14, 15, 22 and 23, 37 ft N., 18 ft E. and 3.6 ft lower than I-rd. N.; on E. end of an E.-W. iron pipe culvert; a punched hole 1300.78
- 49 15.0 Reference mark, 1 ft N., 43 ft W. from tablet, 14 ft S., 28 ft W. and 2.5 ft lower than crossroads, on S. end of a 24-in. concrete culvert; a chiseled cross 1307.22

PRESCOTT QUAD. - 59

FEET

LINE 2 (Cont'd)

- 3 50 15.1 BM, Prescott, 13.5 mi N. and 5.5 mi E. of; 40 ft E., 15 ft S. and 0.4 ft lower than crossroads, on S. end of a N.-S. square concrete culvert; countersunk, mark is 5 S., and 3 E., of Fontanelle, T. 74 N., R. 32 W., near cor. secs. 10, 11, 14 and 15 1306.835
- 53 16.1 UE 15 A, 1 mi N. from tablet; T. 74 N., R. 32 W., near cor. secs. 2, 3, 10 and 11; 85 ft N., 60 ft W. and 0.1 ft lower than crossroads, on NE. corner of concrete apron to steps and E. entrance to Penn. Avenue Church; a chiseled cross 1337.28
- 55 17.0 UE 15 B, 2 mi N. from tablet; Tps. 74 and 75 N., R. 32 W., near cor. secs. 2, 3, 34 and 35; 15 ft S., 30 ft W. and 0.9 ft lower than T-rd. E. (class 4 road W.), on S. end of a N.-S. 24-in. iron pipe culvert; a punched hole 1295.61
- 57 17.6 UE 15 C, 2.5 mi N. from tablet; T. 75 N., R. 32 W., near quarter cor. between secs. 34 and 35, 27 ft S., 15 ft W. and 0.1 ft lower than bridge at drain; 17.4 ft above drain; in the SW. wooden piling of bridge; top of R.R. spike driven vertically 1240.96
- 59 18.0 BM, Greenfield, Adair County, 3.1 mi S. and 3 mi W. of the jct. of State Hwys. 92 and 25 at; T. 75 N., R. 32 W., at SE. cor. sec. 27, 118 ft N., 31 ft W. and 5.9 ft lower than T-rd. W., 90 ft N. and 1.5 ft E. of a fence corner N. and W., 19 ft S. and 1.5 ft E. of a fence corner S. and W., 45 ft S. of a drive W. to farmhouse, 2 ft N. of a witness sign; a standard tablet crimped to the top of a copper rod stamped "23 PJH 1968" 1325.886
- 60 18.0 Reference mark (NOTE:) 1968 R.M. has been hit with a power mower enough that the washer and part of the nail were missing. New nail and washer at old site—1977 elevation. 1330.89

FONTANELLE QUAD. - 81