General Land Office • Original Field Notes

Book Number

15

The images in this file are photographs of the notes of the original surveys of the State of Nebraska on file in the Office of the Nebraska State Surveyor located in Lincoln, Nebraska.

The original surveys in Nebraska began in the mid 1850's and were completed in the mid 1880's. The Nebraska office of the Surveyor General was closed June 30, 1886.

Contract No. 12

Field Notes of the Survey

of the exterior boundaries of Townships 1, 2, 3 and 4 North, of Ranges IX, X and XI East, (except the South boundary of Twp. 1, - and the North boundary of Twp. 4, - and the West boundary of Range IX,) by Blair H. Matthews, Deputy Surveyor, under his Contract No. 1 - bearing date the 10th day of August 1855.

Commenced Aug. 27. 1855.
Completed Nov 7. 1855.

b

A list of the names of persons employed to assist in running measuring or marking the lines and corners described in the following field notes, showing the respective capacities in which they acted –

Edwin H. Pace	Chainman
George M. Smith	Chainman
John H. Beckham	Axeman
William Drake	Flagman
James B. Hamilton	Flagman –

35
C

UNITED STATES OF AMERICA,
TERRITORY OF Nebraska

I George M. Smith do solemnly Swear that I will execute the duties of chain carrier; that I will level the chain upon uneven ground, and plumb the tally pins, whether by sticking or dropping the same; that I will report the true distance to all notable objects; and the true length of all lines that I assist in measuring, to the best of my skill and ability.

George M. Smith.

Subscribed and sworn to before me this 15th day of October 1855.

B. H. Matthews –
U.S. Dep. ~~Justice of the Peace.~~ Surveyor

UNITED STATES OF AMERICA,
TERRITORY OF

I ..... do solemnly ..... that I will execute the duties of chain carrier; that I will level the chain upon uneven ground, and plumb the tally pins, whether by sticking or dropping the same; that I will report the true distance to all notable objects, and the true length of all lines that I assist in measuring, to the best of my skill and ability.

Subscribed and sworn to before me this ..... day of ..... 1855.

Justice of the Peace.

UNITED STATES OF AMERICA,
TERRITORY OF Kansas

I John Beckham do solemnly Swear that I will well and truly perform the duties of Axeman according to instructions given me, and to the best of my skill and ability.

John H. Beckham

Subscribed and sworn to before me this 22d day of August 1855.

D. Vanderslice Justice of the Peace
U.S. Indian Agent
Great Nemahaw Agency

UNITED STATES OF AMERICA,
TERRITORY OF Kansas

I Wm M. Drake do solemnly Swear that I will well and truly perform the duties of Flagman according to instructions given me, and to the best of my skill and ability.

William M Drake

Subscribed and sworn to before me this 22d day of August 1855.

D. Vanderslice Justice of the Peace
U.S. Indian Agent
Great Nemahaw Agency

d

UNITED STATES OF AMERICA,
TERRITORY OF Kansas

I James B. Hamilton do solemnly Swear that I will well and truly perform the duties of Flagman according to instructions given me, and to the best of my skill and ability.

J B Hamilton

Subscribed and sworn to before me this 22d day of August 1855.

D. W. Deshie ~~Justice of the Peace~~
U. S. Indian Agent
Great Nemahaw Agency

UNITED STATES OF AMERICA,
TERRITORY OF Kansas

I Edwin H. Pace do solemnly Swear that I will execute the duties of chain carrier; that I will level the chain upon uneven ground, and plumb the tally pins, whether by sticking or dropping the same; that I will report the true distance to all notable objects, and the true length of all lines that I assist in measuring, to the best of my skill and ability.

E H Pace

Subscribed and sworn to before me this 22d day of August 1855.

D. W. Deshie ~~Justice of the Peace~~
U. S. Indian Agent
Great Nemahaw Agency

UNITED STATES OF AMERICA,
TERRITORY OF Kansas

I James B. Hamilton do solemnly Swear that I will well and truly perform the duties of Flagman according to instructions given me, and to the best of my skill and ability.

J B Hamilton

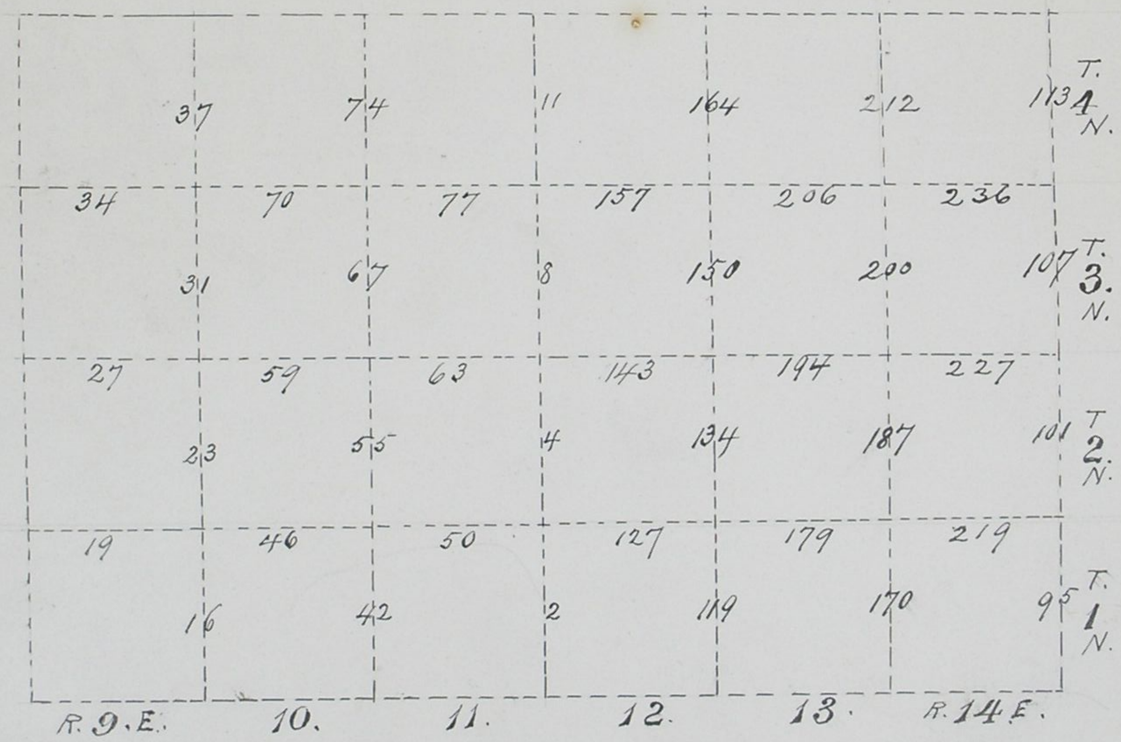
Subscribed and sworn to before me this 25th day of August 1855.

D. M. Dewhie ~~Justice of the Peace~~
U.S. Indian Agent
Great Nemahaw Agency

~~UNITED STATES OF AMERICA,~~
~~TERRITORY OF ..... }~~
~~I ..... do solemnly ..... that I will well and truly perform the duties of ..... according to instructions given me, and to the best of my skill and ability.~~

~~Subscribed and sworn to before me this ..... day of ..... 1855.~~

~~Justice of the Peace.~~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34 70 77 157 206 236
31 67 8 150 200 107
27 59 63 143 194 227
23 55 4 134 187 101
19 46 50 127 179 219
16 42 2 119 170 95
T. 4 N.
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T. 2. N.
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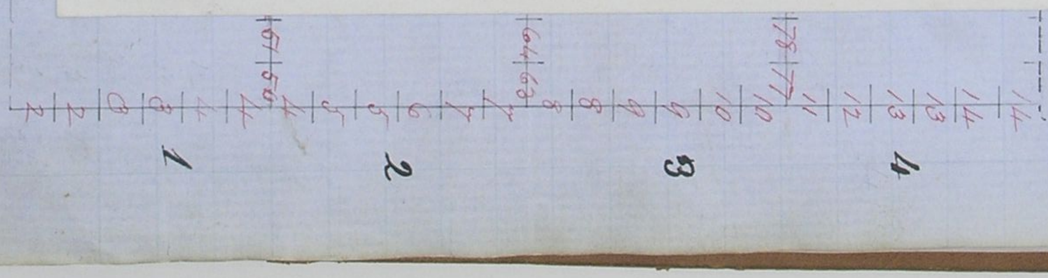
R. 9. E. 10. 11. 12. 13. R. 14 E.


XI
X
IX
1 2 3 4

e

Examined

| | | |

Observed the N. Star, Sunday August 26th 1855, from a point about 6 chains S. W. of the ¼ Section Corner on So. line of Section 36, Tnp. 1 N. Range XI E. and found the variation of the needle to be 11° 15′ East.

Observed the N. Star, Tuesday August 29th 1855, from a point about ¼ mile West of the Corner to Sections 13, 18, 24, 19, Tnp. 2 N. Rgs. XI and XII E. and found the variation of the needle to be 11° 37′ East.

Beginning at the Corner to Townships 1 N. Ranges XI and XII E. on the base line, to test the variation of my Transit I run East at the variation given in the Notes furnished me from the Surveyor General's Office, viz, 10° 30′ E. and at a distance of 39 chains and 88 links strike a point 26 links South of the Quarter-Section Corner on S. line of Section 31 Tnp. 1 N. Rg. XII E.

I then run West at the variation found, viz 10° 52′ E. back to the Tnp. Corner; and thence on the same line continued 40 chains and 6 links to the Quarter sections Corner on the S. line of Section 36, Tnp. 1 N. Rg. XI E.

I find therefore the true variation of my Transit, as compared with the base line, to be 10° 52′ E. and the Error in distance to be, East

12 links, and West 6 links, per ½ mile.

From the Stone, the established Corner to Ranges XI and XII E. on the base line, which I find to agree with the description furnished me from the Office, viz Limestone Rock, 33" x 15" x 4" I mn —

Between Ranges XI and XII E. Trp. 1 N.

North, between Sections 36 and 31 —
Variation 10° 52' E.

40 00 Set Limestone 15 x 12 x 3 for ¼ Section Corner.
80 00 Set Sandstone 17 x 12 x 3 for Corner to Sections 36, 31, 25, 30.
Land, high rolling prairie — Soil 2nate

North, between Sections 25 and 30 —
Variation 10° 52' E.

40 00 Set Limestone 17 x 11 x 3 for ¼ Section Corner on ridge bearing N. and S. —

Between Ranges XI and XII E. Trp. 1 N.

80 00 Set Sandstone 21 x 12 x 2½ for Corner to Sections 25, 30, 24, 19 on E. slope of ridge —
Land, high rolling prairie. Soil 2nate.

North, between Sections 24 and 19 —
Variation 11° 10' E —

35.00 ~~40 00~~ Set Sandstone 18 x 12 x 3 for ¼ Section Corner.
75 00 ~~80 00~~ Set Limestone 17 x 12 x 4 for Corner to Sections 24, 19, 13, 18 on W. slope —
Land, high rolling prairie — Soil 2nate.

S.E. resurvey by T.J. Cozad. subdiv. order

North, between Sections 13 and 18 —
Variation 10° 52' E.

31 00 Ridge, bears N.E. and S.W.
40 00 Set Sandstone 15 x 11 x 3 for ¼ Section Corner in prairie hollow running W.
80 00 Set Limestone 20 x 12 x 3 for Corner to Sections 13, 18, 12, 7 on W. slope —
Land, high rolling prairie — Soil 2nate.
August 27th 1855 —

Between Ranges XI and XII E. Tp. 1 N.

North, between Sections 12 and 7 –
Variation 10° 36' E.

40 00 Set Limestone 19 x 10 x 3 for ¼ Section Corner.
80 00 Set Limestone 19 x 13 x 2 for Corner to Sections 12, 7, 1, 6 on E. slope.
Land, high rolling prairie – Soil 2nd rate.

North, between Sections 1 and 6 –
Variation 10° 12' E.

40 00 Set Limestone 15 x 12 x 3 for ¼ Section Corner.
80 00 Set Limestone 19 x 12 x 5 for Corner to Townships 1 and 2 N. Ranges XI and XII E. on N. slope –
Land, high rolling prairie – Soil 2nd rate.

From the Corner to Townships 1 and 2 N. Ranges XI and XII E. I run –

Between Ranges XI and XII E. Tp. 2 N.

North, between Sections 36 and 31 –
Variation 11° 10' E.

40 00 Set Limestone 17 x 10 x 3 for ¼ Section Corner.
80 00 Set Limestone 17 x 11 x 4 for Corner to Sections 36, 31, 25, 30, on S. slope –
Land, high rolling prairie, Soil 2nd rate.

North, between Sections 25 and 30 –
Variation 11° 10' E.

40 00 Set Limestone 21 x 13 x 3 for ¼ Section Corner.
80 00 Set Limestone 20 x 11 x 5 for Corner to Sections 25, 30, 24, 19 on E. slope –
Land, high rolling prairie – Soil 2nd rate.

North, between Sections 24 and 19 –
Variation 11° 28' E.

15 00 Bend of branch –
40 ~~46~~ 00 Set Limestone 18 x 12 x 3 for ¼ Section Corner on N. bank of branch, 30 lks wide, running N.W. The proper point

Between Ranges XI and XI E. Twp. 2 N.

for this Corner was found to be in a pond of water, about 2 ft. in depth, and 30 lks. wide, and the stone was set as above on the N. bank 40 links north from the true point.

80 00 Set Limestone 18 x 11 x 3 for Corner to Sections 24, 19, 13, 18 on W. slope.

Land, undulating prairie - Soil 1st rate.

August 28th 1855.

Tested Chain and found it Correct.

North, between Sections 13 and 18.

Variation 11° 23' E.

10 00 Ravine 75 lks. wide.

40 00 Set Limestone 24 x 5 x 4 for 1/4 Section Corner.

80 00 Set Limestone 18 x 11 x 3 for Corner to Sections 13, 18, 12, 7 in hollow running S. W.

Land, high rolling prairie - Soil 2d rate.

Between Ranges XI and XII E. Twp. 2 N.

North, between Sections 12 and 7.

Variation 11° 10' E.

40 00 Set Limestone 20 x 9 x 3 for 1/4 Section Corner.

50 50 Enter timber, Oak, Elm and Walnut.

52 25 An Elm, 4 ft diam.

56 50 Stream, 70 lks. wide, runs N. E.

57 50 Leave timber and enter prairie.

80 00 Set Limestone 21 x 12 x 6 for Corner to Sections 12, 7, 1, 6 on S. E. slope.

Land, mostly rolling prairie - Soil 1st rate.

North, between Sections 1 and 6.

Variation 10° 45' E.

40 00 Set Limestone 18 x 9 x 4 for 1/4 Section Corner.

54 00 Stream 50 lks. wide, skirted with brush & timber, runs S. E.

80 00 Set Limestone 18 x 15 x 6 for Corner to Townships 2 and 3 N. Ranges XI and XII E. on spur of ridge sloping S.

Land, high rolling prairie - Soil 1st rate.

From the Corner to Townships 2 and 3 N. Ranges XI and XII E. I run –

Between Ranges XI and XII E. Trp. 3 N.

North, between Sections 36 and 31 –
Variation 10° 50' E.

40 00 Set Limestone 17 x 12 x 4 for ¼ Section Corner.
80 00 Set Limestone 18 x 12 x 4 for Corner to Sections 36, 31, 25, 30 on spur of ridge sloping E.
Land, high rolling prairie – Soil 2d rate.

North, between Sections 25 and 30 –
Variation 10° 45' E.

40 00 Set Limestone 21 x 12 x 4 for ¼ Section Corner.
42 00 Stream, 40 lks. wide, deep bed, runs S.E.
43 50 Enter timber – Oak, Walnut, Elm, Ash and Cottonwood.
52 00 Same Stream, 40 lks. wide, runs N.
55 00 Same stream 40 lks. wide runs E.
56 00 Leave timber and enter prairie, on

Between Ranges XI and XII E. Trp. 3 N.

bluff bank of stream – bluff about 30 ft high above bed of stream.
80 00 Set Limestone 16 x 12 x 3 for Corner to Sections 25, 30, 24, 19 in prairie hollow –
Land, mostly undulating prairie – Soil 1st rate.
August 29th 1855 –

North, between Sections 24 and 19 –
Variation 11° 8' E.

31 00 Indian trail from Otoe Village to Missouri River, runs E. & W.
40 00 Set Limestone 18 x 11 x 3 for ¼ Section Corner.
60 00 Ridge, bears N.E. & S. W.
80 00 Set Limestone 20 x 10 x 5 for Corner to Sections 24, 19, 13, 18 on E. slope.
Land, high rolling prairie – Soil 2d rate.

North, between Sections 13 and 18 –
Variation 11° E.

40 00 Set Sandstone 14 x 12 x 5 for ¼ Section Corner.

Between Ranges XI and XII E. Tsp. 3 N.

80 00 Set Limestone 18x12x3 for Corner to Sections 13, 18, 12, 7, on S. slope.

Land, high prairie - Soil 2d rate.

North, between Sections 12 and 7 - Variation 10° 38' E.

40 00 Set Sandstone 18 x 12 x 4 for ¼ Section Corner on N. slope.

70 00 In bottom, foot of bluff bearing N.W. & S.E.

80 00 Set Limestone 21 x 12 x 3 for Corner to Sections 12, 7, 1, 6. in bottom, near foot of bluff.

Land, undulating prairie - Soil 1st rate.

North, between Sections 1 and 6. Variation 10° 25' E.

40 00 Set Limestone 15 x 12 x 3 for ¼ Section Corner.

80 00 Set Sandstone 21 x 18 x 3 for Corner to Townships 3 and 4 N. Ranges XI and XII E. in prairie bottom near foot of bluff.

Land, level & rolling prairie - Soil 1st rate.

August 30th 1855 -

Observed the N. Star from this Corner, Tuesday November 6th 1855 by which I found the variation of the needle to be 10° 18' E.

Tested chain and found it correct. From the Corner to Tsps. 3 and 4 N. Ranges XI and XII E. I run -

Between Ranges XI and XII E. Tsp. 4 N.

North, between Sections 36 and 31 - Variation 10° 20' E.

40 00 Set Limestone 18 x 12 x 3 for ¼ Section Corner.

46 25 Small timbered Stream, 25 lks. wide runs E. Timber, Elm and Oak.

65 00 North Fork of Great Nemaha, 70 lks. wide, runs S. S. E.

66 00 Enter timber - Oak, ash, Hackberry, Elm & Walnut; Undergrowth Hazel and Plum.

Between Ranges XI and XII E. Twp. 4 N.

72 25 North fork of Nemaha, 2d crossing, 50 lks. wide, runs W.
At this crossing the line leaves the timber and enters prairie bottom.

80 00 Set Limestone 24×12×3 for Corner to Sections 36, 31, 25, 30, in large prairie bottom.
Land, level prairie bottom, with some timber on the streams. Soil 1st rate.

North, between Sections 25 and 30.

Variation 10° 18' E.

12 75 North fork of Nemaha, 3d crossing, 35 lks. wide, runs S. E. – little timber.

40 00 Set Sandstone 16×12×3 for ¼ Section Corner in prairie bottom, near foot of bluff.

Variation 10° 12' E.

54 00 Edge of bottom.

65 00 High ridge bears N. E. & S. W.

80 00 Set Limestone 21×12×6 for Corner to Sections 25, 30, 24, 19 on N. slope — Soil 1st rate.

Between Ranges XI and XII E. Twp. 4 N.

North, between Sections 24 and 19.

Variation 10° 10' E.

40 00 Set Sandstone 15×12×4 for ¼ Section Corner on high ridge bearing E. & W.

Variation 10° 5' E.

80 00 Set Limestone 18×12×3 for Corner to Sections 24, 19, 13, 18 in hollow running N. W.
Land, rolling prairie – Soil 2d rate.

North, between Sections 13 and 18.

Variation 10° 14' E.

7 50 Wide hollow runs S. W.

40 00 Set Sandstone 21×10×4 for ¼ Section Corner on spur of ridge sloping S. S. W.

Variation 10° 10' E.

80 00 Set Limestone 18×12×4 for Corner to Sections 13, 18, 12, 7, on S. E. slope.
Land, rolling prairie – Soil 1st rate.

Between Ranges XI and XII E. Trp. 4 N.

North, between Sections 12 and 7 –

Variation 10° 15' E.

20 00 High ridge bears N. E. and S. W.

40 00 Set Limestone 15 x 12 x 3 for ¼ Section Corner on low flat ridge sloping W.

Variation 10° 22' E.

80 00 Set Sandstone 21 x 14 x 3 for Corner to Sections 12, 7, 1, 6, on W. slope – Land, rolling prairie – Soil 1st rate.

North, between Sections 1 and 6 –

Variation 10° 28' E.

35 00 High ridge bears N. and S. E.

40 00 Set Sandstone 15 x 9 x 5 for ¼ Section Corner on high ridge bearing N. & S.

Variation 10° 28' E.

76 55 Set Sandstone 36 x 16 x 6 for closing Corner to Ranges XI and XII E. Trp. 4 N. at a point on the 1st Standard Parallel North, 142 lks. E. of the established Corner to Rgs. XI & XII E. Trp. 5 N. on said Parallel – Nov. 6th 1855 –

Observed the N. Star from the Corner to Ranges IX and X E. on the base line, Tuesday Morning Oct. 16th 1855 and found the Variation of the needle to be 11° 5' E.

Tested chain and found it correct.

From the Corner to Ranges IX and X E. on the base line, I run East at a variation of 10° 53' E. and at a distance of 40 chns. 3 lks. strike the ¼ Section Corner on the S. line of Section 31, Trp. 1 N. Rg. X E.

I then run West from the same Trp. Corner, at the same Variation, and at a distance of 40 chns. 4 lks. strike the ¼ Corner on S. line of Section 36, Trp. 1 N. Rg. IX E.

The true Variation of my Transit, as compared with the base line, is therefore 10° 53' E.

From the Corner to Ranges IX and X E. on the base line, which I find to be as described in the notes furnished me from the Office, viz, Limestone Rock, 27 x 16 x 2½, I mu-

Between Ranges IX and X E. Trp. 1 N.

North, between Sections 36 and 31.
Variation 10° 53' E.

15 00 High dividing ridge, between Nemaha and Big Blue rivers, bears N. & S.

40 00 Set Sandstone 17 x 12 x 4 for ¼ Section Corner.

80 00 Set Granite 15 x 10 x 8 for Corner to Sections 36, 31, 25, 30, on N. slope.
Land, high undulating prairie - Soil 1st rate.

North, between Sections 25 and 30.
Variation 10° 53' E.

40 00 Set Limestone 15 x 11 x 4 for ¼ Section Corner on S. slope.

Between Ranges IX and X E. Trp. 1 N.

80 00 Set Granite 12 x 15 x 3 for Corner to Sections 25, 30, 24, 19 on E. edge of ridge.
Land, high undulating prairie - Soil 1st rate.
October 15th 1855.

Tested chain and found it correct.

North, between Sections 24 and 19.
Variation 10° 45' E.

40 00 Set Granite 15 x 13 x 4 for ¼ Section Corner on ridge bearing E. & W.

80 00 Set Granite 18 x 12 x 10 for Corner to Sections 24, 19, 13, 18 on E. side of ridge.
Land, high undulating prairie - Soil 2nd rate.

North, between Sections 13 and 18.
Variation 11° E.

40 00 Set Granite 15 x 12 x 8 for ¼ Section Corner in S.E. slope.

80 00 Set Sandstone 19 x 11 x 5 for Corner to Sections 13, 18, 12, 7 in hollow running N. N. E.
Land, rolling prairie - Soil 2nd rate.

Between Ranges IX and X E. Twp. 1 N.

North, between Sections 12 and 7 –

Variation 11° E.

40 00 Set Sandstone 17×9×5 for ¼ Section Corner on S. W. Slope.

Variation 10° 42' E.

78 00 Dividing ridge between Nemaha & Big Blue, bears N. E. & S. W.

80 00 Set Sandstone 19×9×4 for Corner to Sections 12, 7, 1, 6 –

Land, high rolling prairie – Soil Poor.

North, between Sections 1 and 6.

Variation 10° 10' E.

40 00 Set Sandstone 23×15×5 for ¼ Section Corner on ridge bearing N. & S.

Variation 9° 35' E.

80 00 Set Limestone 27×14×3½ for Corner to Twps. 1 and 2 N. Rgs. IX and X E. on spur of ridge sloping W.

Land, rolling prairie – Soil Poor.

October 16th 1855

From the Corner to Ranges IX and X E. Twps. 1 and 2 N. I run West on a random line along the South boundary of Sections 36, 35, 34, 33, 32, 31, setting in temporary marks for the ¼ Section & Section Corners at every 40 and 80 chains distance, and at a distance of 5 miles 79 chns. 79 lks. strike a point on the Guide Meridian 19 lks. North of the Corner to Twps. 1 and 2 N. Rgs. VIII and IX E. on said line.

The Correction will therefore be 3⅙ links South per mile.

From the Twp. Corner on the Guide Meridian, I run along the

South Boundary Twp. 2 N. R IX E.

East, on true line on So. boundary Section 31 –

Variation 10° 10' E.

39 79 Set Granite 13×9×8 for ¼ Section Corner

South Boundary, Twp. 2 N. R 1 X E.

in hollow running N. N. W.

Variation 10° 5' E.

79 79 Set Granite 20×8×8 for Corner to Sections 31, 32, 6, 5 on ridge bearing N. & S.

Land, rolling prairie - Soil 2d rate.

East, on true line on So. boundary Section 32 -

Variation 9° 55' E.

22 00 Road from Nebraska City to Marshall's trading post, runs N. & S. in a wide hollow.

100 40 00 Set Limestone 13×11×4 for 1/4 Section Corner on E. slope.

Variation 9° 40' E.

80 00 Set Granite 13×10×5 for Corner to Sections 32, 33, 5, 4 on W. slope -

Land, rolling prairie - Soil 2d rate.

East, on true line on So. boundary Section 33 -

Variation 9° 48' E.

80 40 00 Set Limestone 13×10×4 for 1/4 Section Corner.

South Boundary, Twp. 2 N. R. 1 X E.

80 00 Set Granite 18×10×6 for Corner to Sections 33, 34, 4, 3 on East slope.

Land, rolling prairie - Soil 2d rate.

East, on true line on So. boundary Section 34 -

Variation 9° 55' E.

40 00 Set Limestone 16×11×5 for 1/4 Section Corner on E. slope.

Variation 10° 10' E.

80 00 Set Granite 15×9×8 for Corner to Sections 34, 35, 3, 2, on W. slope.

Land, rolling prairie - Soil 2d rate.

East, on true line on So. boundary Section 35 -

Variation 10° 30' E.

40 00 Set Granite 18×10×6 for 1/4 Section Corner in hollow running N. W.

Variation 10° 20' E.

80 00 Set Sandstone 17×12×4 for Corner to Sections 35, 36, 2, 1 on E. slope.

Land, rolling prairie - Soil 2d rate -

South Boundary Twp. 2 N. R. IX E.

East, on true line on So. boundary Section 36 –

Variation 10° 10' E.

40 00 Set Limestone 16 x 10 x 4 for ¼ Section Corner on W. slope.

Variation 9° 50' E.

80 00 To Corner to Twps. 1 and 2 N. Rgs. IX and X E.

Land, rolling prairie – Soil 2d rate.

Observed the N. Star, Wednesday October 17th 1855 from the Corner to Twps. 1 and 2 N. Rgs. IX and X E. and found the variation to be 9° 29' E.

Tested chain and found it to be 1/3 inch too long, which error was adjusted. From the corner to Twps. 1 and 2 N. Rgs. IX and X E. I run –

Between Ranges IX and X E. Twp. 2 N.

North, between Sections 36 and 31 –

Variation 9° 20' E.

40 00 Set Limestone 19 x 10 x 3 for ¼ Section Corner on S. E. slope.

Variation 9° 35' E.

80 00 Set Limestone 20 x 12 x 3 for Corner to Sections 36, 31, 25, 30 on N. slope –

Land, rolling prairie – Soil 2d rate.

Between Ranges IX and X E. Trp. 2 N.

North, between Sections 25 and 30.

Variation 10° E.

40 00 Set Limestone 24 x 12 x 3 for 1/4 Section Corner on W. slope.

Variation 10° E.

80 00 Set Limestone 20 x 15 x 3 for Corner to Sections 25, 30, 24, 19 on S. E. slope.

Land, rolling prairie - Soil 2d rate.

North, between Sections 24 and 19.

Variation 10° 15' E.

40 00 Set Limestone 18 x 11 x 3 for 1/4 Section Corner on W. slope.

Variation 10° 30' E.

80 00 Set Limestone 16 x 12 x 4 for Corner to Sections 24, 19, 13, 18, on E. slope.

Land, rolling prairie - Soil 1st rate.

Between Ranges IX and X E. Trp. 2 N.

North, between Sections 13 and 18.

Variation 10° 35' E.

29 00 Indian trail from Otoe Village to the Missouri river, runs E. & W.

40 00 Set Limestone 21 x 12 x 3 for 1/4 Section Corner in hollow running W.

October 17th 1855

(Tested chain & found it correct.)

Variation 10° 35' E.

74 00 Plum Creek, 15 lks wide, runs W. This stream is timbered both above & below the point where the line crosses.

80 00 Set Limestone 18 x 10 x 4 for Corner to Sections 13, 18, 12, 7, at foot of S. slope.

Land, rolling prairie, Soil 1st rate.

North, between Sections 12 and 7.

Variation 10° 40' E.

40 00 Set Limestone 24 x 12 x 3 for 1/4 Section

Between Ranges IX and X E. Trps. 2 N.

Corner on N. slope.

Variation 10°45' E.

80 00 Set Limestone 24×13×3 for Corner to Sections 12, 7, 1, 6 on ridge bearing N.N.E. & S.S.W.

Land, rolling prairie – Soil 2° rate.

North, between Sections 1 and 6.

Variation 10°43' E.

40 00 Set Limestone 20×9×4 for ¼ Section Corner on W. slope.

Variation 10°15' E.

80 00 Set Limestone 23×10×6 for Corner to Trps. 2 and 3 N. Rgs. IX and X E. on South slope.

Land, undulating prairie – Soil 2° rate.

From the Corner to Trps. 2 and 3 N. Rgs. IX and X E., I run West, on a random line, along the South boundary of Sections 36, 35, 34, 33, 32, 31, setting in temporary marks for the ¼ Section and Section Corners, every 40 and 80 chains distance, and at a distance of 5 miles, 79 chns. 24 lks. strike a point on the Guide Meridian 8½ lks. North of the established Corner to Trps. 2 and 3 N. Rgs. VIII and IX E. on said line.

The correction will therefore be 13½ lks. South per mile.

From the Trp. Corner on the Guide Meridian I run along the

South Boundary, Trp. 3 N. R. IX E.

East, on true line on So. boundary Section 31.

Variation 10°36' E.

39 24 Set Granite 13×11×9 for ¼ Section Corner

South Boundary Twp. 3 N. R. 1 X E.

in wide hollow running S.

Variation 10°41' E.

79 24 Set Granite 15×6×6 for Corner to Sections 31, 32, 6, 5 on E. slope.

Land, rolling prairie - Soil 2d rate.

East, on true line on So. boundary Section 32 -

Variation 10°51' E.

14 50 Small stream, runs S.

40 00 Set Granite 18×12×8 for ¼ Section Corner on E. slope.

Variation 10°16' E.

62 00 Small stream, runs S.

80 00 Set Sandstone 15×12×5 for Corner to Sections 32, 33, 5, 4, in prairie hollow -

Land, rolling prairie - Soil 2d rate.

East, on true line on So. boundary Section 33.

Variation 10°6' E.

40 00 Set Sandstone 14×12×5 for ¼ Section

South Boundary Twp. 3 N. R 1 X E.

Corner, in bottom 25 lks. S. of branch.

Variation 10°6' E.

42 50 Stream, 25 lks wide, runs S. E.

44 50 Same Stream, runs N.

45 50 Same Stream, runs S.

This Stream is skirted with some timber, chiefly Oak, Hackberry, Elm Walnut & Cottonwood.

80 00 Set Sandstone 14×11×5 for Corner to Sections 33, 34, 4, 3 -

Land, high rolling prairie - Soil 2d rate.

Commence at Monument

East, on true line on So. boundary Section 34 -

Variation 10°6' E.

40 00 Set Limestone 21×13×3 for ¼ Section Corner -

Variation 10° E.

54 10 Small stream, runs N.

80 00 Set Limestone 19×9×5 for Corner to Sections 34, 35, 3, 2, on N. Slope -

Land, high rolling prairie - Soil 2d rate -

South Boundary Twp. 3 N. R 1 X E.

East, on true line on So. boundary Section 35 –

Variation 9° 51' E.

26 00 Small stream runs N. W.

40 00 Set Limestone 26 x 9 x 4 for ¼ Section Corner on ridge bearing N. W. + S. E.

Variation 9° 24' E.

80 00 Set Limestone 21 x 11 x 3 for Corner to Sections 35, 36, 2, 1, on flat spur of ridge sloping W. Land, rolling prairie – Soil 1st rate –

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100 East, on true line on So. boundary Section 36 –

Variation 9° 24' E.

11 00 Road from Marshall's trading post to Nebraska City, bears N. + S. on high ridge –

40 00 Set Limestone 24 x 10 x 3 for ¼ Section Corner on flat ridge bearing N. + S.

80 00 To Corner to Twps. 2 and 3 N. Rgs. 1 X and X E.

Land, high rolling prairie – Soil 1st rate –

86 October 18th 1855 –

Tested chain and found it correct

From the Corner to Townships 2 and 3 N. Ranges 1 X and X E. I run –

Between Ranges 1 X and X E. Twp. 3 N.

North, between Sections 36 and 31 –

Variation 9° 55' E.

11 50 High divide between Nemaha + Big Blue rivers, bears E. + W.

40 00 Set Limestone 20 x 10 x 3 for ¼ Section Corner –

Variation 9° 40' E.

76 15 Road from Marshall's trading post to Nebraska City, runs N. E. + S. W.

80 00 Set Limestone 18 x 13 x 3 for Corner to Sections 36, 31, 25, 30, on ridge bearing E + W.

Land, high prairie – Soil 2d rate –

North, between Sections 25 and 30 –

Variation 9° 48' E.

40 00 Set Granite 18 x 11 x 6 for ¼ Section Corner on

Between Ranges IX and X E. Twp. 3 N.

flat E. slope -

Variation 9° 50' E.

80 00 Set Granite 15 x 12 x 8 for Corner to Sections 25, 30, 24, 19 on S. W. slope -

Land, rolling prairie - Soil 2° rate -

North, between Sections 24 and 19 -

Variation 9° 50' E.

40 00 Set Granite 14 x 9 x 7 for 4 Section Corner -

Variation 10° 3' E.

80 00 Set Limestone 15 x 9 x 5 for Corner to Sections 24, 19, 13, 18 on divide between Nemaha and Big Blue, bears N. N. W. & S. S. W -

Land, high rolling prairie - Soil 1st rate.

North, between Sections 13 and 18 -

Variation 10° 15' E.

40 00 Set Sandstone 15 x 13 x 5 for 4 Section Corner.

Variation 10° 15' E

80 00 Set Limestone 20 x 11 x 4 for Corner to Sections

Between Ranges IX and X E. Twp. 3 N.

13, 18, 12, 7 in hollow running N.

Land, rolling prairie - Soil 2° rate -

North, between Sections 12 and 7 -

Variation 10° 15' E.

40 00 Set Limestone 14 x 9 x 4 for 4 Section Corner -

80 00 Set Sandstone 14 x 11 x 5 for Corner to Sections 12, 7, 1, 6 on E. slope -

Land, rolling prairie - Soil 2° rate -

North, between Sections 1 and 6 -

Variation 10° 15' E.

40 00 Set Sandstone 15 x 8 x 5 for 4 Section Corner -

56 50 N. fork of Turkey Creek, general direction E, The line continues in bed of this Creek 250 lks - Timber on this stream, Burr Oak, Walnut Elm, Cottonwood - Undergrowth Hazel & Plum.

80 00 Set Sandstone 20 x 11 x 3½ for Corner to Twps. 3 and 4 N. Rgs. IX and X E. on ridge bearing N. & S.

Land, mostly rolling prairie - Soil 2° rate

October 17th 1855 -

Tested chain and found it correct.
From the Corner to Twps. 3 and 4 N. Rgs. IX and X E. I run West on a random line along the So. boundary of Sections 36, 35, 34, 33, 32, 31 setting in temporary marks for the ¼ Section and Section Corners, every 40 and 80 chains, and at a distance of 5 miles 78 chns. 2 lks. strike a point 88 lks. South of the established Corner to Twps. 3 and 4 N. Rgs. VIII and IX E. on the Guide Meridian.
The Correction will therefore be 14⅔ lks. North, per mile.
From the Twp. Corner on the Guide Meridian I run along the,

South Boundary Twp. 4 N. R IX E.

East, on true line on So. boundary Section 31.
Variation 10° 5' E.

38 02 Set Granite 12×11×5 for ¼ Section Corner.
Variation 9° 55' E.

South Boundary Twp. 4 N. R IX E.

45 00 Dividing Ridge, bears N. & S.

78 02 Set Granite 17×12×5 for Corner to Sections 31, 32, 6, 5 on W. slope of ridge.
Land, rolling prairie. Soil 2d rate.

East, on true line on So. boundary Section 32.
Variation 9° 40' E.

40 00 Set Sandstone 20×12×3 for ¼ Section Corner.
Variation 9° 24' E.

80 00 Set Sandstone 18×12×3 for Corner to Sections 32, 33, 5, 4, on high ridge bearing N. & S.
Land, rolling prairie. Soil 2d rate.

East, on true line on So. boundary Section 33.
Variation 9° 24' E.

40 00 Set Granite 18×14×12 for ¼ Section Corner.
Variation 9° 45' E.

80 00 Set Granite 14×12×6 for Corner to Sections 33, 34, 4, 3, at foot of E. slope.
Land, rolling prairie. Soil 2d rate.

South Boundary Twp. 4 N. R 1 X E.

East, on true line on So. boundary Section 34 –
Variation 9° 51' E.

40 00 Set Granite 12 x 11 x 7 for ¼ Section Corner.

80 00 Set Granite 12 x 12 x 5 for Corner to Sections 34, 35, 3, 2, on E. slope of wide hollow.

Land, broken prairie – Soil 3° rate –

East, on true line on So. boundary Section 35 –
Variation 10° 30' E.

40 00 Set Granite 13 x 10 x 7 for ¼ Section Corner –

80 00 Set Granite 18 x 18 x 7 for Corner to Sections 35, 36, 2, 1 in hollow running S.

Land, rolling prairie – Soil 3° rate –

East, on true line on So. boundary Section 36 –
Variation 10° 30' E.

40 00 Set Granite 15 x 18 x 6 for ¼ Section Corner –

80 00 To Corner to Twps. 3 and 4 N. Rgs. 1 X and X E.

Land, S. level, N. rolling, prairie – Soil 2° rate –

October 19th – 20th 1855 –

Tested chain and found it correct.

From the Corner to Twps. 3 and 4 N. Ranges 1 X and X E. I run –

Between Ranges 1 X and X E. Twp. 4 N.

North, between Sections 36 and 31 –
Variation 10° 30' E.

40 00 Set Granite 14 x 10 x 6 for ¼ Section Corner.

80 00 Set Granite 14 x 8 x 5 for Corner to Sections 36, 31, 25, 30 on W. slope –

Land, rolling prairie – Soil 2° rate –

North, between Sections 25 and 30 –
Variation 10° 30' E.

40 00 Set Granite 12 x 9 x 6 for ¼ Section Corner –
Variation 10° 35' E.

55 00 High dividing ridge, bears E. & W.

80 00 Set Limestone 16 x 12 x 7 for Corner to Sections 25, 30, 24, 19, on spur of ridge sloping N.

Land, rolling prairie – Soil 1st rate –

Between Ranges IX and X E. Trp. 4 N.

North, between Sections 24 and 19 –
Variation 10°30' E.

40 00 Set Limestone 14×9×7 for ¼ Section Corner –
Variation 10°40' E.

80 00 Set Sandstone 14×9×7 for Corner to Sections 24, 19, 13, 18 on E. slope of low ridge –
Land, rolling prairie – Soil 1st rate –

North, between Sections 13 and 18 –
Variation 10°40' E.

40 00 Set Granite 14×9×6 for ¼ Section Corner –
Variation 10°30' E.

80 00 Set Sandstone 18×12×6 for Corner to Sections 13, 18, 12, 7 on low ridge, bears N.E. + S.W.
Land, rolling prairie – Soil 1st rate –

North, between Sections 12 and 7 –
Variation 10°15' E.

40 00 Set Granite 14×12×6 for ¼ Section Corner on high ridge, bearing E. + N.W.

Between Ranges IX and X E. Trp. 4 N.

Variation 10°10' E.

80 00 Set Granite 14×12×6 for Corner to Sections 12, 7, 1, 6 on E. slope –
Land, rolling prairie – Soil 1st rate –

North, between Sections 1 and 6.
Variation 10°10' E.

40 00 Set Granite 14×9×6 for ¼ Section Corner.

76 78 Set Sandstone 23×17×8 for closing Corner to Ranges IX and X E. Trp. 4 N. at a point on the 1st Standard Parallel North, 350 links West of the established Corner to Rgs. IX and X E. Trp. 5 N. on said Parallel –
Land, rolling prairie – Soil 1st rate.

October 20th 1855 –

Observed the N. Star, Wednesday Night, September 26th 1855 from the Corner to Ranges X and XI E. on the base line, by which I find the variation of the needle to be 10°48' E.

Tested chain and found it correct.
From the Corner to Ranges X and XI E. on the base line, I run East at the variation given in the notes furnished me from the Office, viz 10°25' E. and at a distance of 39 chains 98 lks. strike a point 37 lks. South of the 1/4 Section Corner on the S. line of Section 31, Tsp. 1 N. Rg. XI E.
From the same Tsp. Corner I measure West along the base line a distance of 39 chns. 98½ lks. to the 1/4 Section Corner on the S. line of Section 36 Tsp. 1 N. Rg. X E.

I find therefore the true variation of my Transit at this point on the base line to be 10°48' E. and the error in distance, East 2 lks. and West 1½ lks. per ½ mile.

From the Corner to Ranges X and XI E. on the base line, which I find to agree with the description furnished me from the Office, viz, Limestone Rock 24×16×5, I run—

Between Ranges X and XI E. Twp. 1 N.

North, between Sections 36 and 31—

Variation 10°48' E.

40 00 Set Granite 17×11×6 for ¼ Section Corner—

Variation 11°5' E.

80 00 Set Limestone 18×15×4 for Corner to Sections 36, 31, 25, 30—

Land, rolling prairie — Soil 1st rate.

Between Ranges X and XI E. Twp. 1 N.

North, between Sections 25 and 30—

Variation 11°10' E.

25 50 Enter brush + scattering Oaks—

37 00 Small branch, rock bed, runs N. N. E.

40 00 Set Limestone 24×7×6 for ¼ Section Corner.

Variation 11°15' E.

42 00 Stream, 40 lks. wide runs E.

43 00 Enter heavier timber — Burr Oak, Hickory, Elm, Linn, Ash, Walnut Locust, Hackberry — Undergrowth Buckeye, Prickley Ash + Wild Vines—

48 00 Same Stream, 66 lks. wide, runs W.

51 50 Same Stream, 50 lks wide, runs E.

52 25 Leave timber and enter prairie—

80 00 Set Limestone 21×12×3 for Corner to Sections 25, 30, 24, 19 on ridge—

Land, chiefly rolling prairie — Soil 2d rate.

Between Ranges X and XI E. Twp. 1 N.

North, between Sections 24 and 19 –
Variation 11° E.

40 00 Set Limestone 22 x 13 x 3 for ¼ Section Corner.
Variation 11° 12' E.

80 00 Set Limestone 20 x 11 x 3 for Corner to Sections 24, 19, 13, 18 on W. slope –
Land, rolling prairie – Soil 2d rate –

North, between Sections 13 and 18 –
Variation 11° 18' E.

40 00 Set Limestone 19 x 10 x 3 for ¼ Section Corner.
Variation 11° 12' E.

58 00 High dividing ridge, bears N & S.

80 00 Set Limestone 20 x 11 x 3 for Corner to Sections 13, 18, 12, 7 on W. slope of ridge –
Land, high rolling prairie – Soil 1st rate –

North, between Sections 12 and 7 –
Variation 11° 5' E.

40 00 Set Limestone 18 x 14 x 2½ for ¼ Section Corner –

Between Ranges X and XI E. Twp. 1 N.

Variation 11° 5' E.

80 00 Set Limestone 18 x 14 x 4 for Corner to Sections 12, 7, 1, 6 on N. slope –
Land, rolling prairie – Soil 1st rate –

North, between Sections 1 and 6 –
Variation 11° E.

5 00 Deep ravine, with scattering timber on it.

40 00 Set Limestone 22 x 12 x 3 for ¼ Section Corner.
Variation 11° 10' E.

72 00 Turkey Creek (West fork) runs E, skirted with timber & heavy brush –
Timber, Oak, Walnut, Elm, Sycamore and Cottonwood – Undergrowth, Hickory Buckeye, Hazel and wild vines –

74 75 Deep ravine, 30 lks. wide, runs S. E.

80 00 Set Limestone 21 x 12 x 2 for Corner to Twps. 1 and 2 N. Rgs. X and XI E.
Land, prairie & timbered bottom – Soil 1st rate.

October 24th – 25th 1855

Tested Chain and found it correct.

From the Corner to Trps. 1 and 2 N. Ranges X and XI E. I run West on a random line along the South boundary of Sections 36, 35, 34, 33, 32, 31, setting in temporary marks for the ¼ Section and Section Corners, every 40 and 80 chains, and at a distance of 5 miles 77 chns. 66 lks. strike a point 44 lks. South of the Corner to Trps. 1 and 2 N. Rgs. IX and X E.

The correction will therefore be 7⅓ links North per mile.

From the Corner to Trps. 1 and 2 N. Rgs. IX and X E. I run along the -

South Boundary Trp. 2 N. R X E.

East, on true line on So. boundary Section 31.-

Variation 9°12' E.

27 16 High divide between Nemaha and

South Boundary Trp. 2 N. R X E.

Big Blue river, bears N. & S.

39 66 Set Lime stone 24 x 13 x 3 for ¼ Section Corner.

Variation 9°12' E.

79 66 Set Lime stone 20 x 13 x 2 for Corner to Sections 31, 32, 6, 5, -

Land, rolling prairie - Soil 2° rate -

Cor. Cor.

East, on true line on So. boundary Section 32.

Variation 9°42

40 00 Set Lime stone 19 x 10 x 3½ for ¼ Section Corner.

Variation 10°20' E.

80 00 Set Lime stone 19 x 17 x 2 for Corner to Sections 32, 33, 5, 4, on S. E. slope -

Land, rolling prairie - Soil 2° rate -

East, on true line on So. boundary Section 33.-

Variation 10°45' E.

40 00 Set Lime stone 30 x 14 x 2 for ¼ Section Corner -

40 20 Timbered Stream, 20 lks. wide, runs S. - lime stone bed. Timber, Oak, Walnut & Elm.

South Boundary, Tnp. 2 N. R X E.

80 00 Set Limestone 20 x 14 x 5 for Corner to Sections 33, 34, 4, 3, on high flat ridge -
Land, rolling prairie - Soil 1st rate.

East, on true line on So. boundary Section 34 -
Variation 11° 40' E.
40 00 Set Limestone 22 x 14 x 2 for 1/4 Section Corner.
80 00 Set Limestone 19 x 12 x 2 for Corner to Sections 34, 35, 3, 2 on E. slope -
Land, high rolling prairie - Soil 2d rate.

East, on true line on So. boundary Section 35 -
Variation 11° 35' E.
40 00 Set Limestone 16 x 7 x 6 for 1/4 Section Corner -
Variation 11° 7' E.
80 00 Set Limestone 17 x 16 x 02 for Corner to Sections 35, 36, 2, 1 on ridge bears N.E. + S.W.
Land, high rolling prairie - Soil 2d rate -

South Boundary Tnp. 2 N. R. X E.

East, on true line on So. boundary Section 36 -
Variation 10° 40' E.
40 00 Set Limestone 19 x 17 x 2 for 1/4 Section Corner -
Variation 10° 40' E.
80 00 To Corner to Tnps. 1 and 2 N. Rgs. X and X1 E. (Var 11° 10' E)
Land, high rolling prairie - Soil 2d rate -
October 25th 1855 -

Tested chain and found it correct.
From the Corner to Tnps. 1 and 2 N.
Ranges X and XI E. I run East on a ran-
dom line along the South boundary
of Sections 31, 32, 33, 34, 35, 36, setting
in temporary marks for the ¼ Section
and Section Corners, every 40 and 80
chains, and at a distance of 6 miles
and 29 lks. strike a point 185 lks.
North of the Corner to Tnps. 1 and 2
N. Rgs. XI and XII E.
The correction will therefore be
29 lks. East, and 31 lks. (nearly)
South per mile.
From the Corner to Tnps. 1 and 2 N.
Rgs. XI and XII E. I run along the —

South Boundary Tnp. 2 N. R XI E.

West, on true line on So. boundary Section 36 —
Variation 10°57' E.

South Boundary Tnp. 2 N. R. XI E.

22 30 High dividing ridge, bears N. W. & S. E.
40 00 Set Granite 17×12×8 for ¼ Section Corner —
Variation 11°5' E.
72 20 Hollow, with brush & some timber, runs N. W.
80 00 Set Limestone 15×13×5 for Corner to Sections
36, 35, 1, 2 on spur of ridge sloping N.
Land, rolling prairie — Soil 1st rate —

West, on true line on So. boundary Section 35 —
Variation 11°7' E.
35 30 Foot of bluff, bears N. W. & S. E.
40 00 Set Limestone 23×14×3 for ¼ Section Corner —
Variation 11° E.
46 80 Enter brush & timber —
47 50 Turkey Creek, 50 lks. wide, runs S. W.
54 60 Same Stream, 75 lks. wide, runs N. E.
58 30 Same Stream 50 lks. wide, runs S. E.
59 75 Leave timber & enter prairie — Timber
on this stream, Oak, Elm, Ash, Walnut,
Cottonwood, Sycamore & Blackberry —

South Boundary Twp. 2 N. R XI E.

80 00 Set Limestone 20 x 12 x 2½ for Corner to Sections 35, 34, 2, 3, –
Land, level timbered & prairie bottom, and rolling prairie – Soil 1st rate –

West, on true line on So. boundary Section 34 –
Variation 11° E.
40 00 Set Limestone 22 x 12 x 2 for ¼ Section Corner –
Variation 11° 25' E.
80 00 Set Limestone 24 x 11 x 2 for Corner to Sections 34, 33, 3, 4 on W. slope –
Land, undulating prairie – Soil 1st rate.

West, on a true line on So. boundary Section 33 –
Variation 11° 5' E.
40 00 Set Limestone 16 x 15 x 3 for ¼ Section Corner –
Variation 11° 5' E.
80 00 Set Limestone 24 x 14 x 2 for Corner to Sections 33, 32, 4, 5 –
Land, rolling prairie – Soil 2d rate –

South Boundary Twp. 2 N. R XI E.

West, on true line on So. boundary Section 32 –
Variation 11° 15' E.
6 55 Indian hunting trail, bears N.W. & S.E.
40 00 Set Limestone 18 x 16 x 2 for ¼ Section Corner –
Variation 11° 12' E.
80 00 Set Limestone 20 x 14 x 2 for Corner to Sections 32, 31, 5, 6 on S.E. slope –
Land, undulating prairie – Soil 1st rate –

West, on true line on So. boundary Section 31 –
Variation 11° 7' E.
40 00 Set Limestone 20 x 13 x 2 for ¼ Section Corner –
55 00 Foot of bluff, bears N. & S.
65 25 Enter brush & scattering timber –
73 80 W. fork of Turkey Creek, 50 lks. wide, runs N.
75 25 Same stream, runs S.W. 50 lks. wide.
76 75 Line enters bed of same stream & continues in it 1 chain, leaving on same side.
78 20 Same stream, 3d crossing, 50 lks wide, runs E. by N. Timber on stream, Oak,

South Boundary Twps. 2 N. R. XI E.

Ash, Elm, Walnut, Sycamore, Hackberry – Undergrowth Hazel + vines –

80 29 To Corner to Town ships 1 and 2 N. Ranges X and XI E.

Land, rolling prairie – and timbered + prairie bottom – Soil 1st rate –

October 26th 1855 –

Observed the N. Star, Sunday Night September 31st 1855 from the Corner to Twps. 1 and 2 N. Ranges X and XI E. and found the variation of the needle to be 11° 20' E –

Tested chain and found it correct –

From the Corner to Twps. 1 and 2 N. Rgs. X and XI E. Town –

Between Ranges X and XI E. Twps. 2 N.

North, between Sections 36 and 31 –

Variation 11° 15' E.

20 00 Small branch, rock bed, skirted with heavy brush + scattering timber – runs S.E.

40 00 Set Limestone 18 x 17 x 2½ for ¼ Section Corner –

Variation 11° E.

80 00 Set Limestone 19 x 15 x 2½ for Corner to Sections 36, 31, 25, 30 on N. slope –

Land, rolling prairie – Soil 1st rate –

Between Ranges X and XI E. Trp. 2 N.

North, between Sections 25 and 30.
Variation 11°5' E.

40 00 Set Limestone 19 x 18 x 3 for ¼ Section Corner.
Variation 11°15' E.

80 00 Set Limestone 20 x 16 x 3 for Corner to Sections 25, 30, 24, 19 on S. bank of stream -
Land, rolling prairie - Soil 1st rate -

North, between Sections 24 and 19 -
Variation 11°28' E.

50 Across Stream, runs E. 50 lks wide -
5 50 Through timbered bottom to same stream, 2d Crossing, 20 lks. wide -
Timber Oak, Elm, Walnut, Hickory and Cottonwood -
8 50 Deep ravine, runs S. E.
30 00 Same stream, 3d Crossing, 30 lks. wide, runs S. E. skirted with timber as above.
40 00 Set Limestone 24 x 16 x 3 for ¼ Section Corner -
Variation 11°45' E.

Between Ranges X and XI E. Trp. 2 N.

69 00 Small timbered ravine, runs W.
80 00 Set Sandstone 19 x 17 x 7 for Corner to Sections 24, 19, 13, 18 on N. slope -
Land, mostly rolling prairie - Soil 2nd rate -

North, between Sections 13 and 18 -
Variation 12° 15' E.

40 00 Set Granite 20 x 15 x 9 for ¼ Section Corner -
October 27th 1855 -

(Tested chain and found it correct.)
Variation 12° 20' E.

80 00 Set Sandstone 20 x 15 x 8 for Corner to Sections 13, 18, 12, 7 on S.W. slope -
Land, high rolling prairie - Soil 2nd rate.

North, between Sections 12 and 7 -
Variation 11°40' E.

15 00 High dividing ridge, bears N.N.W. & S.S.E.
40 00 Set Granite 14 x 8 x 7 for ¼ Section Corner -

Between Ranges X and XI E. Tnp. 2 N.

Variation 11°25' E.

80 00 Set Sandstone 22 x 11 x 5 for Corner to Sections 12, 7, 1, 6, on N. slope - Land, high rolling prairie - Soil 2° rate.

North, between Sections 1 and 6 -

Variation 11° E.

40 00 Set Granite 17 x 11 x 6 for ¼ Section Corner.

Variation 10°12' E.

64 50 Small deep stream, runs E. 8 lks wide -

80 00 Set Limestone 18 x 15 x 3 for Corner to Tnps. 2 and 3 N. Ranges X and XI E.

Land, rolling prairie - Soil 2° rate -

From the Corner to Tnps. 2 and 3 N. Ranges X and XI E. I run West on a random line along the South boundary of Sections 36, 35, 34, 33, 32, 31, setting in temporary marks for the ¼ Section and Section Corners, every 40 and 80 chains, and at a distance of 6 Miles and 50 lks. strike a point 161 links South of Corner to Tnps. 2 and 3 N. Rgs. IX and X E.

The correction will therefore be 26 7/10 lks. North per mile.

From the Corner to Tnps. 2 and 3 N. Ranges IX and X E. I run along the -

South Boundary Tnp. 3 N. R X E.

East, on true line on So. boundary Section 31 -

Variation 9°43' E.

22 50 High divide between Nemaha & Big Blue, bears N.W. & S.E.

South Boundary Twp. 3 N. R X E.

40 50 Set Limestone 16 x 14 x 2½ for ¼ Section Corner

80 50 Set Limestone 17 x 17 x 3 for Corner to Sections 31, 32, 6, 5.

Land, rolling prairie - Soil 1st rate.

East, on true line on So. boundary Section 32.

Variation 9° 43' E.

40 00 Set Limestone 18 x 12 x 3 for ¼ Section Corner.

80 00 Set Limestone 18 x 16 x 2½ for Corner to Sections 32, 33, 5, 4.

Land, rolling prairie - Soil 2d rate.

East, on true line on So. boundary Section 33.

Variation 9° 40' E.

40 00 Set Limestone 22 x 12 x 2 for ¼ Section Corner.

Variation 9° 30' E.

80 00 Set Granite 12 x 8 x 6 for Corner to Sections 33, 34, 4, 3 on S. slope.

Land, rolling prairie - Soil 2d rate.

South Boundary Twp. 3 N. R X E.

East, on true line on So. boundary Section 34.

Variation 9° 30' E.

40 00 Set Sandstone 16 x 8 x 4 for ¼ Section Corner.

Variation 9° 10' E.

80 00 Set Limestone 22 x 12 x 2 for Corner to Sections 34, 35, 3, 2.

Land, rolling prairie - Soil 2d rate.

East, on true line on So. boundary Section 35.

Variation 9° 5' E.

70 Stream, 30 lks. wide, skirted with timber, runs S. E.

26 00 Indian trail from Otoe Village to the Missouri river, runs W.S.W. & E.N.E.

40 00 Set Limestone 23 x 10 x 2½ for ¼ Section Corner.

Variation 9° 5' E.

70 00 Indian hunting trail, runs N.W. & S.E.

80 00 Set Granite 15 x 12 x 6 for Corner to Sections 35, 36, 2, 1 on N. E. slope.

Land, rolling prairie - Soil 2d rate.

South Boundary Twp. 3 N. R X E.

East, on true line on So. boundary Section 36.

Variation 8°50' E

40 00 Set Sandstone 14×9×5 for ¼ Section Corner.

80 00 To Corner to Twps. 2 and 3 N. Rgs. X and XI E.

Land, rolling prairie. Soil 5th rate.

October 28th 1855.

Tested chain and found it correct. From the Corner to Twps. 2 and 3 N. Rgs. X and XI E. I run East on a random line along the South boundary of Sections 31, 32, 33, 34, 35, 36, setting in temporary marks for the ¼ Section and Section Corners, every 40 and 80 chains, and at a distance of 5 miles 79 chains 31 lks. strike a point 357 lks. South of Corner to Twps. 2 and 3 N. Rgs. XI and XII E.

The correction will therefore be 69 lks. West, and 59½ lks. South per mile. From the Corner to Twps. 2 and 3 N. Rgs. XI and XII E. I run along the

South Boundary Twp. 3 N. R XI E.

West, on true line on So. boundary Section 36.

Variation 11°5' E.

19 20 Stream, 15 lks. wide, runs S. E. skirted

South Boundary Twp. 3 N. R X 1 E.

with brush & timber –

40 00 Set Limestone 19 x 13 x 3 for ¼ Section Corner.

Variation 11° 10' E.

80 00 Set Limestone 19 x 15 x 2 for Corner to Sections 36, 35, 1, 2 on S. E. slope –

Land, rolling prairie – Soil 2d rate –

West, on true line on So. boundary Section 35 –

Variation 11° 20' E.

40 00 Set Limestone 20 x 12 x 2½ for ¼ Section Corner.

Variation 11° 33' E.

80 00 Set Limestone 18 x 11 x 2½ for Corner to Sections 35, 34, 2, 3 in hollow runs S. S. E.

Land, rolling prairie – Soil 1st rate –

West, on true line on So. boundary Section 34 –

Variation 11° 45' E.

40 00 Set Limestone 16 x 12 x 2½ for ¼ Section Corner –

Variation 11° 55' E.

80 00 Set Limestone 20 x 12 x 3½ for Corner to Sections 34, 33, 3, 4 – Land, rolling prairie – Soil 2d rate –

South Boundary, Twp. 3 N. R X 1 E.

West, on true line on So. boundary Section 33 –

Variation 12° 25' E.

40 00 Set Limestone 18 x 12 x 2½ for ¼ Section Corner –

Variation 12° 20' E.

80 00 Set Limestone 18 x 13 x 2 for Corner to Sections 33, 32, 4, 5 on point of ridge sloping S. W.

Land, rolling prairie – Soil 2d rate –

West, on true line on So. boundary Section 32 –

Variation 12° 5' E.

40 00 Set Limestone 20 x 10 x 2½ for ¼ Section Corner –

Variation 11° 55' E.

63 50 Stream, 20 lks wide, with brush & timber runs S.

75 80 Turkey Creek, 50 lks. wide, runs S. skirted with timber, chiefly Oak & Elm –

80 00 Set Limestone 18 x 12 x 3 for Corner to Sections 32, 31, 5, 6, –

Land, rolling & bottom prairie – Soil 1st rate –

South Boundary Twp. 3 N. R X1 E.

West, on true line on So. boundary Section 31 –

Variation 11° 20' E.

10 60 Small stream at foot of bluff, 20 lks. wide, runs N. E.

40 00 Set Lime stone 18 x 12 x 3 for 1/4 Section Corner –

Variation 10° 25' E.

79 31 To Corner to Twps. 2 and 3 N. Rgs. X and X1 E.

Land, rolling & bottom prairie – Soil 2d rate –

October 29th 1855 –

Tested chain and found it correct –

From the Corner to Twps. 2 and 3 N. Ranges X and X1 E. I run –

Between Ranges X and X1 E. Twp. 3 N.

North, between Sections 36 and 31 –

Variation 9° 20' E.

40 00 Set Lime stone 24 x 14 x 2½ for 1/4 Section Corner –

48 00 Indian trail from Otoe Village to the Missouri River, runs N. E. and S. W.

80 00 Set Lime stone 17 x 16 x 3 for Corner to Sections 36, 31, 25, 30 on S. slope –

Land, rolling prairie – Soil 2d rate –

Commenced North, between Sections 25 and 30 –

Variation 9° 15' E.

40 00 Set Lime stone 16 x 15 x 3 for 1/4 Section Corner –

77 85 Turkey Creek, 40 lks wide, runs E. S. E. skirted with brush & scattering timber –

80 00 Set Lime stone 18 x 15 x 3 for Corner to Sections

Between Ranges X and XI E. Tnps. 3 N.

25, 30, 24, 19, in Turkey Creek bottom -
Land, rolling & bottom prairie - Soil 2d rate

North, between Sections 24 and 19 -
Variation 9° 15' E.

22 00 Enter scattering timber, Cottonwood, Elm
Oak, Hackberry, Hickory, Walnut, Ash,
27 25 Turkey Creek (2d crossing) 50 lks. wide, runs N.
30 00 Turkey Creek (3d crossing) 50 lks. wide, runs E.
38 00 Leave timber & enter prairie -
40 00 Set Limestone 20 x 13 x 3 for 1/4 Section Corner -
Variation 9° 15' E.
62 50 Short, deep ravine, 10 lks wide, runs S. W.
thinly skirted with Timber -
80 00 Set Limestone 18 x 15 x 2½ for Corner to Sections
24, 19, 13, 18 on W. slope -
Land, level timbered & prairie bottom - Soil 1st rate.

North, between Sections 13 and 18 -
Variation 9° 45' E.

Between Ranges X and XI E. Tnps. 3 N.

40 00 Set Limestone 19 x 16 x 2½ for 1/4 Section Corner -
Variation 9° 55' E.
80 00 Set Limestone 20 x 12 x 3 for Corner to Sections
13, 18, 12, 7 on S. E. slope -
Land, rolling prairie - Soil 2d rate -

North, between Sections 12 and 7 -
Variation 9° 40' E.
40 00 Set Limestone 18 x 10 x 3 for 1/4 Section Corner -
80 00 Set Limestone 24 x 16 x 2 for Corner to Sections
12, 7, 1, 6 on N. slope -
Land, rolling prairie - Soil 2d rate -

North, between Sections 1 and 6 -
Variation 9° 43' E.
40 00 Set Limestone 18 x 12 x 3 for 1/4 Section Corner -
Variation 9° 50' E.
80 00 Set Limestone 20 x 14 x 2 for Corner to Tnps. 3
and 4 N. Ranges X and XI E.
Land, rolling prairie - Soil 2d rate -
October 30th 1855 -

Tested chain and found it correct.
From the Corner to Tnps. 3 and 4 N. Ranges X and XI E. I run West on a random line, along the South boundary of Sections 36, 35, 34, 33, 32, 31 setting in temporary marks for the ¼ Section and Section Corners, every 40 and 80 chains, and at a distance of 6 miles 3 chns. 6 links, strike a point 32 links South of Corner to Tnps. 3 and 4 N. Rgs. IX and X E.
The correction will therefore be 5⅓ links North per mile.
From the Corner to Tnps. 3 and 4 N. Rgs. IX and X E. I run along the —

South Boundary Tnp. 4 N. R X E.

East, on true line on So. boundary Section 31 —
Variation 9° 48' E.

43 06 Set Limestone 16 x 13 x 2½ for ¼ Section Corner —
83 06 Set Granite 14 x 13 x 6 for Corner to Sections

South Boundary Tnp. 4 N. Rg. X E.

31, 32, 6, 5 on N. E. slope —
Land, rolling prairie — Soil 2d rate —

East, on true line on So. boundary Section 32 —
Variation 9° 50' E.

31 00 Turkey Creek, 50 lks. wide, runs N. E.
skirted with timber & brush —
40 00 Set Granite 17 x 11 x 6 for ¼ Section Corner —
50 00 Deep ravine, 100 lks. wide, runs N. E.
80 00 Set Granite 13 x 12 x 8 for Corner to Sections
32, 33, 5, 4, —
Land, chiefly rolling prairie — Soil 2d rate —

East, on true line on So. boundary Section 33 —
Variation 9° 55' E.

40 00 Set Granite 14 x 13 x 7 for ¼ Section Corner —
45 75 Road from Marshall's trading post to Nebraska City, runs N. & S.
80 00 Set Limestone 21 x 13 x 2½ for Corner to Sections
33, 34, 4, 3 — Land, rolling prairie — Soil 2d rate —

South Boundary Twp. 4 N. R X E.

East, on true line on So. boundary Section 34.

Variation 10° E.

30 00 Stream 30 lks. wide, runs N. E.

39 00 Line enters bed of same stream & continues in it 2 chains.

40 00 Set Limestone 24 x 12 x 2 for 1/4 Section Corner, on the South bank of same stream, the stone being set 13 lks. South of the true point, to avoid placing it in the bed of stream.

45 50 Same stream, 25 lks. wide, runs N. E.

52 35 Turkey Creek, 40 lks. wide, runs S. E, skirted with young timber.

80 00 Set Limestone 19 x 18 x 2½ for Corner to Sections 34, 35, 3, 2 in hollow running E. N. E.

Land, rolling & bottom prairie - Soil 1st rate.

East, on true line on So. boundary Section 35.

Variation 10° E

40 00 Set Limestone 17 x 13 x 3 for 1/4 Section Corner.

South Boundary, Twp. 4 N. R X E.

76 50 High dividing ridge, bears N. & S.

80 00 Set Limestone 20 x 12 x 2½ for Corner to Sections 35, 36, 2, 1.

Land, rolling prairie - Soil 2d rate.

East, on true line on So. boundary Section 36.

Variation 9° 58' E.

40 00 Set Limestone 17 x 16 x 2½ for 1/4 Section Corner.

80 00 To Corner to Twps. 3 and 4 N. Ranges X and XI E.

Land, rolling prairie - Soil 2d rate.

October 31st 1855.

Tested chain and found it correct.
From the corner to Trps. 3 and 4 N.
Ranges X and XI E. I run —

Between Ranges X and XI E. Trps. 4 N.

North, between Sections 36 and 31 —
Variation 10° 15' E.

40 00 Set Sandstone 12 x 8 x 6 for ¼ Section Corner.
80 00 Set Sandstone 14 x 8 x 5 for Corner to Sections 36, 31, 25, 30 on S. W. slope —
Land, rolling prairie — Soil 2d rate —

North, between Sections 25 and 30.
Variation 10° 10' E.

40 00 Set Sandstone 11 x 6 x 8 for ¼ Section Corner —
80 00 Set Sandstone 13 x 9 x 6 for Corner to Sections 25, 30, 24, 19 —
Land, rolling prairie — Soil 2d rate —

Between Ranges X and XI E. Trp. 4 N.

North, between Sections 24 and 19 —
Variation 10° 15' E.

1 50 Elk-run, 30 lks. wide runs E, skirted with timber Oak, Elm, Ash, Willow —
40 00 Set Sandstone 12 x 9 x 6 for ¼ Section Corner.
80 00 Set Sandstone 16 x 8 x 5 for Corner to Sections 24, 19, 13, 18 —
Land, rolling prairie — Soil 1st rate —

North, between Sections 13 and 18 —
Variation 10° 15' E.

16 50 Road from Marshall's trading post to Nebraska City, runs N. E. & S. W. —
40 00 Set Sandstone 16 x 9 x 3½ for ¼ Section Corner —
80 00 Set Granite 13 x 7 x 6 for Corner to Sections 13, 18, 12, 7 on S. W. slope —
Land, rolling prairie — Soil 2d rate —

Between Ranges X and XI E. Twp. 4 N.

North, between Sections 12 and 7 –
Variation 10°20' E.

40 00 Set Sandstone 16×7×4 for ¼ Section Corner –

80 00 Set Granite 16×12×7 for Corner to Sections 12, 7, 1, 6 –

Land, rolling prairie – Soil 1st rate –

North, between Sections 1 and 6 –
Variation 10°25' E.

40 00 Set Sandstone 12×10×3½ for ¼ Section Corner.

79 52 Set Sandstone 20×14×4 for Closing Corner to Ranges X and XI E. Twp. 4 N. at a point on the 1st Standard Parallel North 203 lks. East of the Corner to Rgs. X and XI E. Twp. 5 N. on said line –

Land, rolling prairie – Soil 1st rate –

November 3d 1855 –

Tested chain and found it correct –

From the Corner to Twps. 3 and 4 N. Ranges XI and XII E. I run West on a random line along the South boundary of Sections 36, 35, 34, 33, 32, 31 setting in temporary marks for the ¼ Section and Section Corners, every 40 and 80 chains, and at a distance of 5 miles 79 chns. 13 lks. strike a point 54 lks. North of the Corner to Twps. 3 and 4 N. Rg. X and XI E.

The correction will therefore be 9 links South per mile.

From the Corner to Twps. 3 and 4 N. Rs. X and XI E. I run along the –

South Boundary Twp. 4 N. R. XI E.

East, on true line on So. boundary Section 31 –
Variation 10°35' E.

39 13 Set Granite 15×9×4 for ¼ Section Corner –

79 13 Set Sandstone 15×10×4 for Corner to Sections 31, 32, 6, 5 – Land, rolling prairie – Soil 1st rate –

South Boundary Twp. 4 N. R. X I E.

East, on true line on So. boundary Section 32 –

Variation 10°40' E.

15 75 Stream, 10 lks wide, runs N.E. This stream is skirted with a narrow belt of timber, chiefly Oak, Elm, Hickory and Walnut – Undergrowth, Hickory, Oak Hazel & wild vines –

17 25 Same stream, 15 lks. wide, runs S.E. (2d Crossing)

28 50 Same stream, 10 lks. wide, runs N.E. (3 crossing)

29 75 Same stream, 10 lks. wide, runs S.E. (4th Crossing)

32 50 Same stream, runs N.E. (5th Crossing)

36 25 Same stream, runs E. S.E. (6th Crossing)

37 00 Same stream, runs N.E. (7th Crossing)

40 00 Set Sandstone 12×10×5 for ¼ Section Corner –

40 75 Same stream, runs S. (8th Crossing)

44 50 Same stream, runs N.E. (9th Crossing)

58 00 Same stream, runs S. (10th Crossing)

60 00 Same stream, runs N.E. (11th Crossing)

61 25 Same stream, ~~runs~~ S. (12th Crossing)

62 00 Same stream, runs N. (13th Crossing)

South Boundary Twp. 4 N. R. X I E.

67 00 Same Stream, runs S.E. (14th Crossing)

67 50 Same Stream, runs N.E. (15th Crossing)

71 50 Same Stream, runs S.E. (16th Crossing)

72 00 Same Stream, runs N.E. (17th Crossing)

74 50 Same Stream, runs S. (18th Crossing)

76 00 Same Stream, runs N. (19th Crossing)

80 00 Set Sandstone 12×9×5 for Corner to Sections 32, 33, 5, 4 –

Land, timbered bottom & rolling prairie –

East, on true line on So. boundary Section 33 –

Variation 10°45' E.

6 50 Same Stream, 10 lks. wide, runs S.W. (20th Crossing)

23 50 Same Stream, runs E. N. E. (21st Crossing)

24 50 Same Stream, runs E. S. E – (22d Crossing)

40 00 Set Sandstone 11×10×7 for ¼ Section Corner –

Variation 11°5' E.

44 00 Same Stream, 15 lks. wide, runs N.W. (23d Crossing)

45 25 Same Stream, runs S. (24th Crossing)

49 00 Same Stream, runs N. (25th Crossing)

South Boundary, Twp. 4 N. R XI E.

80 00 Set Sandstone 14 x 8 x 5 for Corner to Sections 33, 34, 4, 3 on N. slope -
Land, each side rolling prairie - Soil 2d rate -

East, on true line on So. boundary Section 34 -
Variation 10° 30' E.

40 00 Set Granite 12 x 9 x 5 for ¼ Section Corner -
80 00 Set Sandstone 10 x 8 x 7 for Corner to Sections 34, 35, 3, 2 on S. slope -
100
Land, rolling prairie - Soil 2d rate -

East, on true line on So. boundary Section 35 -
Variation 10° 5' E.

5 50 Elk-run 15 lks. wide, runs S.E.
6 50 Elk run, runs N. (2d Crossing)
12 00 Elk run, runs S.E. (3d Crossing)
16 00 Elk run, runs N.E. (4th Crossing)
39 95 Elm tree, 8 inches diam.
40 00 Set Sandstone 12 x 7 x 6 for ¼ Section Corner -
40 40 Elk-run, runs S.E. (5th Crossing)

South Boundary Twp. 4 N. R XI E.

80 00 Set Limestone 14 x 12 x 3½ for Corner to Sections 35, 36, 2, 1 in wide bottom -
Land, timbered & prairie - Soil 1st rate -

East, on true line on So. boundary Section 36 -
Variation 10° 30' E.

11 50 Elk-run, 40 lks. wide, runs N. (6th crossing)
This stream is skirted with timber, Oak, Elm, Ash, Hackberry & Walnut.
18 00 Leave scattering timber & enter prairie -
40 00 Set Limestone 19 x 8 x 4 for ¼ Section Corner -
80 40 To Corner to Twps. 3 and 4 N. Rgs. XI and XII E.
Land, chiefly high rolling prairie - Soil 2d rate.
November 7th 1855 -

General Description.

The Land embraced in the limits of this Contract, is mostly high and undulating, or rolling, prairie. Much of the Soil is of the 1st quality, & well adapted by position & character for close cultivation; and much of it is stoney, or gravelly, especially the points, or spurs, of ridges, they being in many places almost destitute of vegetation.

It is thought the timber on the different streams, though not superabundant, will still be found sufficient in both quantity & quality for the necessities at least, of a numerous settlement. As a general thing, the streams, where approximately straight for any unusual distance, are almost devoid of timber of any description; and where the reverse, are skirted with

Groves which contain all the different varieties of tree and underbrush incident to the Country.

Lime stone, of good quality for building or other purposes, may be found in great abundance on the tributaries of Turkey Creek.

But one settlement known within the Contract, that of McDonald & Co. (4 in Number) which is on the East bank of Turkey Creek, in Trps. 1 and 2 N. Range XI E.

November 7th 1855.

"

A list of the names of persons employed to assist in running, measuring or marking the lines and corners described in the foregoing field notes, showing the respective capacities in which they acted.

Edwin H. Pace,	Chainman
George M. Smith,	Chainman
John H. Beckham,	Axeman.
William Drake	Flagman.
James B. Hamilton	Flagman.

A list of the names of persons employed to assist in running, measuring or marking the lines and corners described in the foregoing field notes, showing the respective capacities in which they acted.

Edwin H. Pace	Chainman
George M. Smith	Chainman
John Beckham	Axeman
William Drake	Flagman
James B. Hamilton	Flagman

We hereby certify that we assisted Blair H. Matthews, deputy surveyor, in surveying the exterior boundaries of Townships One, Two, Three, and Four, North of the base line, of Ranges Nine, Ten and Eleven, East of the Principal Meridian and that said Townships have

been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the boundary monuments planted according to the instructions furnished by the Surveyor General –

C H Pace — Chainman
George M. Smith — Chainman
Jno H. Beckham — Axeman
William M. Drake — Flagman
J B Hamilton — Flagman

Subscribed and sworn to, ~~before~~ by the above named persons, before me, a Justice of the Peace for the County of Buchanan, in the State of Missouri, this 29 day of November A D 1855.

J. McArthur
Justice of the Peace

I, Blair H. Matthews, deputy Surveyor, do solemnly swear that, in pursuance of a contract with John Calhoun, Surveyor of the public lands of the United States in the Territories of Kansas and Nebraska, bearing date the 10th day of August 1855, and in strict conformity to the laws of the United States and the instructions furnished me by the said Surveyor General, I have faithfully surveyed the exterior boundaries of Townships 1, 2, 3 and 4 North of the base line of Ranges IX, X, and XI East of the Principal Meridian, (except the South boundary of Township 1, and the North boundary of Township 4, and the West boundary of Range IX, they having been run, and the Corners established thereon) in the Territory

of Nebraska, and do further solemnly swear that the foregoing are the true and original field notes of such Survey.

Blair H. Matthews

Subscribed by said Blair H. Matthews, deputy surveyor, and sworn to before me, a ~~justice~~ Mayor of the City of Kansas in ~~Lace~~ Jackson County, in the State of Missouri this 30th day of November 1855. Given under my hand and the Seal of said City

Justice of the Peace
Mayor

Surveyors Office at Wyandott K.T.
December 15th. 1855.

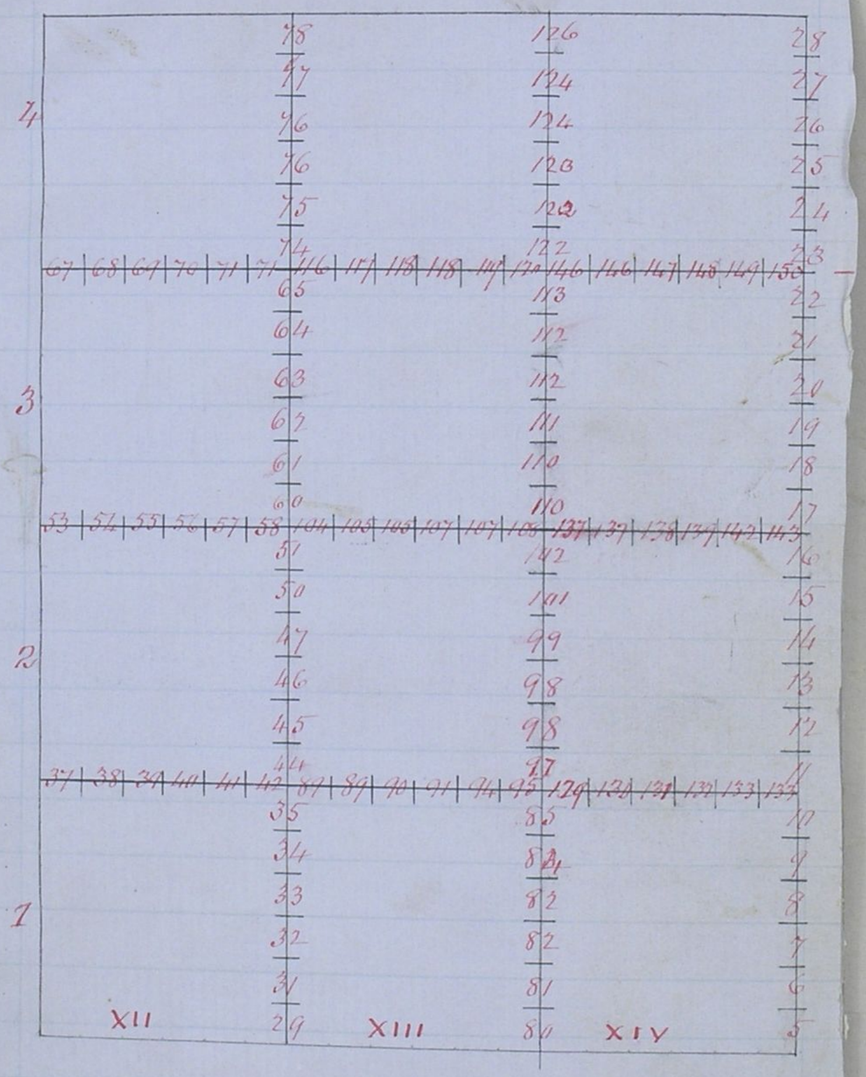
The foregoing field notes of the Survey of the exterior lines of Townships No. One, Two, Three, & Four North, of Ranges No. Nine. Ten & Eleven East, except the West line of Range No. Nine, executed by Blair H. Matthews, under his contract of the 10th day of August. 1855, in the months of August September. October and November. 1855, having been critically examined. the necessary corrections and explanations made. the said Field notes and the surveys they describe are hereby approved.

J. Calhoun
Surveyor General

34

"A"

Filed in Surveyor General's office
Wyandott Sept 27. 1855.



Field Notes of the survey of the exterior boundaries of Townships No. 1, 2, 3 and 4 North of the Base line of Ranges No. 12, 13 and 14 East of the 6th. Principal meridian, in the Territory of Nebraska, surveyed by William N. Byers deputy surveyor, under his contract bearing date the 10th day of August 1855.

Commenced August 18. 1855.
Completed September 10. 1855

A list of the names of the individuals employed to assist in running measuring and marking the lines and corners described in the following field notes of the exterior boundaries of Townships No. 1, 2, 3 & 4 north of Base Line – of Ranges No. 12 13 & 14 East of the 6th Principal Meridian, in the Territory of Nebraska. except the west boundary of Range No. 12. showing the respective capacities in which they acted

James W. McIlvaine – Chainman
John Nevitt – "

Daniel Hamilton – Axman

Amos Mills – Flagman

UNITED STATES OF AMERICA,
TERRITORY OF Nebraska

I ..... John Nevitt ..... do solemnly ..... swear ..... that I will execute the duties of chain carrier; that I will level the chain upon uneven ground, and plumb the tally pins, whether by sticking or dropping the same; that I will report the true distance to all notable objects, and the true length of all lines that I assist in measuring, to the best of my skill and ability.

John Nevitt

Subscribed and sworn to before me this Seventeenth day of ..... August ..... 1855.

William N. Byers Deputy Surveyor of the Public lands in the Territories of Kansas & Nebraska
Justice of the Peace.

UNITED STATES OF AMERICA,
TERRITORY OF ..... Nebraska

I ..... James W. McIlvaine ..... do solemnly ..... swear ..... that I will execute the duties of chain carrier; that I will level the chain upon uneven ground, and plumb the tally pins, whether by sticking or dropping the same; that I will report the true distance to all notable objects; and the true length of all lines that I assist in measuring, to the best of my skill and ability.

James W. McIlvaine

Subscribed and sworn to before me this Seventeenth day of ..... August ..... 1855.

William N. Byers Deputy Surveyor of the Public lands in the Territories of Kansas & Nebraska
Justice of the Peace.

UNITED STATES OF AMERICA,
TERRITORY OF Nebraska

I Daniel Hamilton do solemnly swear that I will well and truly perform the duties of axman according to instructions given me, and to the best of my skill and ability.

Daniel Hamilton

Subscribed and sworn to before me this Seventeenth day of August 1855.

William N. Byers - Deputy Surveyor of the public lands in the Territories of Kansas and Nebraska

~~Justice of the Peace.~~

on Base line, nearly due east and west from beginning corner found var 11° 24' East

UNITED STATES OF AMERICA,
TERRITORY OF Nebraska

I Amos Mills do solemnly swear that I will well and truly perform the duties of Flagman according to instructions given me, and to the best of my skill and ability.

Amos Mills

Subscribed and sworn to before me this Seventeenth day of August 1855.

William N Byers, Deputy Surveyor of the Public lands in the territories of Kansas & Nebraska

~~Justice of the Peace.~~

August 18th 1855

East Boundary of T1N. R 14E Meridian

chains

Begin at Limestone rock 28 in long 12 in wide & 4 in thick the established corner to Townships one North of Ranges 14 & 15 East on Base Line

Tested instrument as per instructions on Base line. half mile East and West from beginning corner found

var 11° 24' East

North along the East Boundary of section 36

var 11° 24' East

40.00 Set Limestone Rock 15 in long 12 in wide and 3 in thick for quar. Sec. corner

80.00 Set Limestone Rock 25 in long 12 in wide and 4 in thick for corner to sections 25, 30, 31 and 36

From which

A Bur Oak 16 in dia bears N ½° W 9.72 lks

Land rolling, prairie, with Limestone rock on the the surface in many places. Soil second rate

East Boundary of Township 1 North of Range 14 East of Meridian

Chains North on the East Boundary of section 25

Var 11°30' East

10.00 Enter grove of timber course N.E. & S.W.

10.30 Rock Creek 20 lks wide course N 20° E Limestone bed & banks, shallow water with gentle current

21.00 Rock Creek 20 lks wide course N.W.

28.18 A Black Walnut 30 in. dia.

40.00 Set post for qr sec. cor

from which

A Bur Oak 30 in dia bears N 85° W, 54 lks

A Hackberry 12 in dia bears S 88° E 70 lks

52.40 Rock Creek 20 lks wide, course East

52.75 Top of Rocky bank 40 ft high course E & W

53.00 Leave grove of timber course E & W

80.00 Set Limestone Rock 22 in long 10 in wide and 4 in thick for corner to sec. 19, 24, 25 & 30

Land rolling, South 10 and North 27 chains prairie - soil second rate, balance timbered with Oak, walnut, Hickory, Elm, Lime & c. with an undergrowth of Hazel, Briars & vines, very thick soil first rate.

Chains North on the East boundary of section 24

Var 11°25' East

40.00 Set Limestone Rock 20 in long 10 in wide and 3 in. thick for quarter section corner

80.00 Set Limestone Rock 18 in. long 10 in wide and 3 in. thick for corner to sections 13, 18, 19 and 24

Land rolling prairie, Limestone appearing on the surface in many places, soil second rate

East Boundary of Township 1 North

Chains

North on the East Boundary of Sec. 13
Var 11° 32' East

40.00 Set Limestone Rock 14 in. long 8 in wide and 3½ in. thick for quarter section corner

73.00 A Stream 2 lks wide. course N.E.

80.00 Set Limestone Rock 20 in long 14 in wide and 3 in thick for corner to sections 7, 12, 13 & 18

From which

A Bur Oak 26 in dia bears S 14¾ E, 50 lks

Land Broken or hilly - and rocky prairie - soil third rate.

of Range 14 East of the principal

Chains

North on the East boundary of section 12
Var 11° 50' East

36.50 Enter River bottom course S.W & S.E

40.00 Set Limestone Rock 20 in. long 11 in wide and 4 in thick for quarter section corner

52.19 To edge of water in South fork of "Grand Nemeha" River

52.90 Leave river, course East Right angled width of river 70 lks water very deep with gentle current banks of sandy loam. right bank 12 feet above present water mark & subject to overflow. Left bank 20 feet high & above high water mark

80.00 Set Limestone Rock 18 in. long 12 in wide and 5 in thick. for cor. to sec. 1, 6, 7 & 12

Land on South 36 chs hilly & rocky, soil second rate, on North 44 chains level river bottom, soil vegetable loam first rate.

East Boundary of T 1 N of R 14 E of Meridian

Chains	August 19th 1855, Tested chain found correct
	North on the East Boundary of section 1
	Var 12° 05' East
17.75	Leave River bottom, course E & W
20.50	Top of rocky Bluff 75 feet high course E & W
40.00	Set Limestone Rock 18 in long 9 in wide and 2½ in thick for quarter section corner
70.00	A wagon Road from Salem to "upper Nemeha settlements" course from East to west
80.00	Set Limestone Rock 26 in. long 15 in. wide and 5 in. thick for corner to sections. 1, 6, 31 & 36. And Townships 1 and 2 north of Ranges 14 & 15 East of Principal Meridian

Land on south 17.50 chs level river bottom soil first rate, north 52.50 chs rolling, with some Limestone Rock — soil second rate

East Boundary of Town 2 North of Range 14 East

Chains	
	North on the East Boundary of section 36
	Var 12° 25' East
31.00	Enter River bottom subject to overflow course S W & N E
40.00	Set Limestone Rock 15 in long. 8 in wide and 5 in thick, for qr. sec. cor.
70.00	Enter timber course E & W
74.00	To Edge of water in North fork of Grand Nemeha river, stream 55 lks wide water three feet deep, with gentle current, course East, muddy alluvial banks fifteen feet high
80.00	A White Elm 34 in. dia. on which established corner to sections 25, 30 31 & 36.

Land on south 31 chs hilly & rocky soil third rate, North 49 chs, river bottom, subject to overflow, soil first rate. On north 10 chs Oak Maple, Walnut Elm & ash timber with an undergrowth of Hazel, Briars & vines

East Boundary of Township 29 North

Chains

North on East Boundary of section 25
Var 12° 20' East

9.00 Intersect bend in North fork of Grand Nemaha River. Offset East 60 lks. Thence North 4 chs thence west 60 lks to line

12.60 Line leaves river. course of river from west to S 10° W

14.50 Leave timber course N.W & S.E.

18.00 Wagon Road course N W & S E

28.00 Leave River bottom & begin ascent of rocky bluff course N.W & S.E

40.00 Set Limestone Rock 18 in long 8 in wide and 6 in thick for quarter sec. cor

72.60 A Stream 3 lks wide course S.W.

80.00 Set Limestone Rock 20 in long, 9 in wide and 3 in thick for corner to sections 19, 24, 25 & 30

Land on south 28 chs level bottom subject to overflow, soil first rate. North 52 chs hilly & rocky soil third rate, south 14.50 chs timbered with Oak Elm, Maple &c balance prairie

Commence here

of Range 14 East of Principal Meridian

Chains

North on the East boundary of sec. 24
Var. 12° 05' East

36.80 A Stream 3 lks wide course S.W.

40.00 Set Limestone Rock 15 in long 10 in wide and 4 in thick for quarter section corner

48.50 A Stream 2 lks wide course S.W.

80.00 Set Limestone Rock 18 in long 10 in wide and 4 in thick for corner to sections 13, 18, 19 & 24

Land rolling, prairie soil clay loam ~~soil~~ second rate Limestone rock appears in some places

East Boundary of Township 2 North

Chains	
	North on the East boundary of section 13
	Var 12° 05' East
40.00	Set Limestone Rock 18 in long 10 in wide and 4 in thick for quarter section corner
80.00	Set Limestone Rock 22 in long 12 in wide and 5 in thick for corner to sections 7, 12, 13 & 18
	Land rolling, prairie, soil as clay loam, good second rate

Of Range 14 East of principal Mer.

Chains	
	North on the East boundary of sec. 12
	Var. 12° 20' East
40.00	Set Limestone Rock 20 in long 9 in wide and 4 in thick for quarter section corner
" "	A large Granite Boulder apparently about 10 feet high bears N 52½ E about 15 lks distant
69.00	A stream 6 lks wide course N 75° E, mud bed & banks
80.00	Set Limestone Rock 20 in long 10 in wide and 4 in thick for corner to sections 1, 6, 7 & 12
	Land rolling with general inclination to N. E. prairie soil clay loam good second rate.

East Boundary of Town 3 N of Range 14 E of Mer

Chains

North on the East Boundary of section 1
Var. 12° 10' East

37,00 A stream 6 lks wide course East
mud bed & banks

40,00 Set Limestone Rock 15 in long
10 in wide and 3 in thick for
Gr. Section corner

81,00 Set Limestone Rock 15 in long
11 in wide & 6 in thick for
corner to sections 1, 6, 31 & 36
and Townships 2 & 3 North
of Ranges 14 & 15 East,

Land rolling prairie, soil a
clay loam — good second rate,

East boundary of Town 3 N. of Range, 14 East

Chains

North on the East boundary of sec., 36
Var 12° 18' East

40,00 Set quarter section post
From which
A Black Walnut 6 in dia bears S 67° W 2,53 lks, dist
An Elm 4 in dia bears, S 58° W 2,55 " "
No trees near on opposite side of line

41,15 A stream 4 lks wide course S 71° E, mud bed & banks

80,00 Set Limestone Rock 16 in long, 12 in
wide and 4 in thick for corner
to sections 25, 30, 31 & 36

Land rolling, prairie, soil, a clay loam
good second rate,

East Boundary of Township 3 North

Chains

North on the East Boundary of section 25
Var 12° 15' East,

40,00 Set Limestone Rock 15 in long 11 in wide and 3 in thick for quarter section corner

64,50 A Wagon Road course East & West

80,00 Set Limestone Rock 19 in long 10 in wide and 8 in thick for corner to sections 19, 24, 25 & 30

Land gently rolling, prairie, soil a clay loam, good second rate

of Range 14 East of the Principal Meridian

Chains

North on the East Boundary of section 24
Var. 12° 5' East

9,00 Enter creek bottom course East, West

28,00 South fork of "Muddy" Creek, stream 15 lks wide, water 2 ft deep with gentle current, mud bed & banks the banks 25 feet high. course at crossing S 15° E, general course East

40,00 Set Limestone Rock 12 in long, 8 in wide and 4 in thick for qr. sec. corner

44,00 Leave bottom land course N 70 E

73,00 A Stream 3 lks wide, course S.E mud bed & banks

80,00 To point for sec. cor., Deposited a Limestone 4 in dia, marked "T" - twelve inches beneath the Surface. Set post, and raised mound of Earth & Sod, with trench & pits as per instructions for corner to sections 13, 18, 19 and 24

Land rolling, prairie, soil good second rate.

Township No. 3 North of
Chains

August 20th 1853 –
Tested chain – found it correct

North on the East boundary of section 13
Var 12° 20' East

40,00 Drove charred stake, set post, and raised mound of earth and sod with bench and pits as per instructions, for 1/4 sec. cor.,
66,50 Enter creek bottom course N.W. & S.E.
73,50 A stream 2 lks wide course East,
80,00 Set post corner to sections 7, 12, 13 & 18
From which
A Box Elder 12 in dia. bears S.74½° E. 4.84 lks dis
An Elm 30 " " " N.25° E 7,35 " "
No trees near on west side of line – So dug trench around post as per instructions

Land on South 66 chs. rolling prairie, soil good second rate. North 14 chs in creek bottom subject to overflow soil a vegetable loam first rate

Range 14 East of Principal Meridian
Chains

North on East Boundary of section 12
Var, 12° 20' East,

11,85 North fork of Muddy Creek, stream 20 lks wide, water 18 in. deep, with gentle current, mud bed & banks, course S.50° E – banks, 15 feet high.
21,50 Leave creek bottom course from N.W. to S.E.
40,00 Drove charred stake set post and raised mound of earth & sod with bench and pits as per instructions for quarter sections corner
80,00 Drove charred stake, set post and raised mound of earth & sod with bench and pits as per instructions for corner to sections 1, 6, 7 & 12

Land on South 21 chs level bottom, prairie – with the exception of a few trees near the creek, subject to overflow – soil first rate
North 59 chs rolling prairie soil good second rate

East Boundary of Township 3, N. of Range 14 East

Chains

North on East Boundary of Section 1

Var. 12° 12' East

5,20 A Stream 4 lks wide course S. W. mud bed & banks

30,00 A Stream 2 lks wide course S. W. " " "

40,00 Drove Charred stake set post and raised mound of Earth and sod with bench & pits as per instructions for quarter section corner

80,00 Set Limestone Rock 29 in long 14 in wide and 6 in thick for corner to sections 1, 6, 31 & 36, and Townships 3 & 4 North of Ranges 14 & 15 East,

Land rolling, prairie, soil a clay loam of good second rate quality,

East Boundary of Township 4 N. of Range 14 East

Chains

North on the East Boundary of Section 36,

Var. 12° 10' East

20,30 A Stream 3 lks wide, course S. W. mud bed & banks

40,00 Set Limestone Rock 15 in long 10 in wide and 4 in thick for 1/4 Sec. corner

80,00 Set Limestone Rock 20 in long 15 in wide and 5 in thick for corner to sections 25, 30, 31 & 36

Land rolling, prairie, soil a clay loam, of good second rate quality,

East Boundary of Township 41 North of Range 14 East of Principal Meridian

Chains

North on East Boundary of section 25
Var 12° 15' East

9,30 A stream 2 lks wide course S.W.
40,00 Set Limestone Rock 14 in long 9 in wide and 3½ in thick for quarter section corner
71,00 Wagon Road from S.E. to N.W.
80,00 Set Limestone Rock 15 in long 12 in wide and 5 in thick for corner to sections 19, 24, 25 and 30

Land rolling prairie soil good second rate.

Chains

North on the East boundary of section 24
Var. 12°15' East

40,00 Set Limestone Rock 17 in long 6 in wide and 4 in thick for quarter section corner
68,00 A stream 3 lks wide, course N.E.
80,00 Set Limestone Rock 18 in long 8 in wide and 5 in thick for corner to sections 13, 18, 19 & 24

Land rolling, prairie, soil a clay loam of good second rate quality

East Boundary of Township 4 North of Range 14 East of Principal Meridian

chains

North on the East Boundary of sections 13,
Var., 12°.05' East

40,00 Set Limestone Rock 14 in long 10 in wide and 8 in thick for quarter section corner

73,00 Enter grassy swale course N.E.

79,50 Leave grassy swale course N.E.

80,00 Set Limestone Rock 16 in long 9 in wide and 9½ in thick for corner to sections 7, 12, 13 & 18

Land rolling prairie soil a clay loam of good second rate quality,

North on the East Boundary of section 12
Var., 12° East

40,00 Set Limestone Rock 18 in long 7 in wide and 2½ in thick for quarter section corner

71,00 Enter grassy swale course N.E.

78,50 Leave grassy swale course N.E.

80,00 Set Limestone Rock 14 in long 10 in wide and 5 in thick for corner to sections 1, 6, 7 & 12

Land rolling prairie, soil a clay loam of good second rate quality,

East Boundary of T. 4 N. of Range 14 E of Principal Mer.
Chains

North on the East Boundary of section 1
Var 12° East

40.00 Set Limestone Rock 15 in long, 12 in wide and 4 in thick for quarter section corner

81.93 Intersected "First Standard Parallel North" 11 chains & 61 links West of Standard corner to Townships 5 North of Ranges 14 & 15 East,

Set Limestone Rock 22 in long 15 in wide and 3 in thick for closing corner to sections 1 & 6, and Townships 4 North of Ranges 14 & 15 East of Principal Mer.
Var. 12° 10' East

Land on last mile rolling prairie Soil good second rate,

East Boundary of Town 1 N of Range 12 East
Chains

August 22nd 1853

From Limestone Rock 22 in long 12 in wide and 5 in thick – corner to Towns 1 N of Ranges 12 & 13 East, on Base Line

Tested instrument on line one half mile East and West from above corner found

Var 10° 50 East

Tested chain, found error of one "link" excess – corrected, chain to standard

North on the East Boundary of section 36
Var. 10° 50' East

40.00 Set Limestone Rock 17 in long 12 in wide and 3 in thick for quarter sec. corner

72.00 A stream 6 lks wide, course N.W. rocky bed, clear water with rapid current Bank on South side 20 feet high & rocky, In this bank there is a vein of slate 15 in thick, In the bed

East Boundary of Township 1 North of Range 12 East of the Principal Meridian

Chains

of the stream & picked up fragments of Stone-coal,

72.70 A stream 4 links wide course West, rocky bed - clear water & swift current, unites with former noted stream about 100 lks west of line bank on North side 15 ft high

80.00 Set Limestone Rock 16 in long 13 in wide & 3 in thick for corner to sections 25, 30, 31 & 36,

Land rolling prairie, on South 50 chs somewhat rocky soil second rate

Near the creek there are a few Oak Elm and Walnut trees

Chains

North on the East Boundary section 25

Var 11° East

25.25 A dry swale, course S. W.

37.50 A Wagon Road from Judge Robst's to Salem course from S 70° W to N 60° East

40.00 Set Limestone Rock 20 in long 6 in wide and 3½ in thick for qr. sec. corner Judge Robst's House bears about N 80° W about 30 chs distant

52.00 Bed of a small stream - now dry - course West

54.50 Bed of a small stream - now dry - course S. W

75.00 Summit of Robst's Bluff course E & W Elevation above river 150 feet,

80.00 Set Limestone Rock 20 in long 10 in wide and 8 in thick for corner to sections 19, 24, 25 & 30

Land rolling, prairie, soil good second rate, except near and on the top of Robst's bluff where it is very rocky Near the dry ravines noted there are a few Oak, walnut, Elm & other trees

East Boundary of Township 1 North of Range 12 East of Principal Meridian

Chains

Omitted in copy

North on the East Boundary of section 24
Var 10°58' East

40,00 Set Limestone Rock 16 in long 10 in wide and 3 in thick for quarter section corner

53,00 Wagon Road course East and West

64,00 Enter River bottom course S.W & East

70,00 Enter Land subject to overflow. course S W & East

80,00 Set Limestone Rock 20 in long 10 in wide and 4 in thick for corner to sections 13, 18 19 & 24

From which

A White Elm 14 in dia bears N 2° E 138 lks dist

Land rolling prairie with general inclination to the north soil first rate, On north 10 chains subject to overflow

Chains

North on the East Boundary of section 13,
Var 10°50' East

4,74 To Edge of Water in South fork of Grand Nemaha River,

5,70 Over river. Right angled width 80 links course S 60° E. gravel bed, 2½ ft water in channel, gentle current, bank on South side 15 feet, of Loam

6,25 Top of bank 35 feet high course E & W

14,00 Leave brushy land & enter prairie E & W

24,70 Ravine 25 feet deep. with pools of water course S.E

40,00 Set Limestone Rock 18 in long 12 in wide and 3 in thick for qr sec. corner

65,00 Enter Creek bottom course N.W & S E

79,20 A stream 15 lks wide. course East, mud bed banks of Earth 25 ft high. but little current

80,00 Set post corner to sections 7, 12, 13 & 18

From which

A Hickory 7 in dia bears S ¼° W 109 lks dist
A Red Elm 15 do do S 4° E 110 do do

No trees near north of corner

East Boundary of Township 1 North
chains

So dug trench around post as per instructions,

Land on South 4 chs subject to overflow balance rolling prairie, except a few Cottonwood, Elm walnut Oak & other trees near the river and creek Soil first rate,

August 22nd 1855

North on the East Boundary of section 12
Var. 10° 45' East

29,00 Enter weedy swale course from N.W. to S.E.
40,00 Set Limestone Rock 16 in long 10 in wide & 3 in thick for quarter Sec. corner
57,00 Leave weedy swale course from N.E. to S.W.
72,00 Top of point of ridge 30 ft high course & ascent West
80,00 Set Limestone Rock 28 in long 10 in wide and 4 in thick for corner to sections 1, 6, 7 & 12

Land on South 29 & North 23 chs rolling prairie, soil first rate, remainder flat and inclined to be wet in a wet season but dry now — soil first rate,

of Range 12 East of Principal Meridian
chains

North on the East Boundary of section 1
Var. 11° East

1,50 Enter grassy swale, course from N.W. to S.E.
30,00 Leave " " " " N 11° E to S.W.
40,00 Set Limestone Rock 16 in long 10 in wide and 4 in thick for qr sec. cor.
1,40,40 A Stream 4 lks wide, course from N.W. to S.E.
50,10 Same stream " " " " N.E. to S.W.
55,00 Intersect short bend in same stream, N.E. to S.E.
Low banks, of earth, mud bed, sluggish current
74,00 Bed of above stream — now dry course S.E.
80,00 Set Grey granite Rock 28 in long 10 in wide and 3 in thick for corner to sections 1, 6, 31 & 36 and Townships 1 & 2 North of Ranges 12 & 13 East,

Land rolling, prairie with gentle inclination to the South soil a vegetable loam, first rate,

Random Line on North Boundary of T. 1 N of R 12 E
chains

West on Random Line on ~~XXXX~~ the North
boundary of section 1, 2, 3, 4, 5 & 6
Var 11° 10' East

Set temporary section and quarter
section corners on line and
5,78,90 at 5 miles 78 chains and
90 links Intersected Range line
197 links North of corner of
Townships 1 & 2 North of Ranges
11 & 12 East

To correct the above line will
require an alteration or correction
of 32 10/12 links per mile. equal to 14'
Therefore the course of the true line will be
N 89° 46' East

Note (I find the Range Line has not yet been run
am therefore obliged to wait until
Aug. 28th when the Range line being run
I am enabled to make the close as
above noted, when I proceed to es-
-tablish the true line)

True North Boundary of Township 1 N of R 12 E
chains

N 89° 46' E on the north boundary of section 6
Var 11° 25' East

38,90 Set Grey Granite Rock 24 in long 12 in wide
and 3 in thick for quarter section corner
45,60 A stream 6 lks wide, course south,
not much water and very little
current, low earth banks & mud bed
78,90 Set Limestone rock 22 in long 9 in
wide and 4 in thick for corner to
sections 31, 5, 6, 31 & 32,
Land rolling prairie soil good
second rate

True North Boundary of Township 1 North of Range 12 East of Principal Meridian

Chains

N 89°46' E on the North boundary of section 5,
Var. 11° 10' East

40,00 Set Limestone Rock 16 in long 15 in wide and 3 in thick for 1/4 Section corner

80,00 Set Limestone Rock 25 in long 12 in wide and 3 in thick for corner to sections 4, 5, 32 & 33

Land rolling, prairie, soil a clay loam of good second rate quality,

Chains

N 89°46' E on true N. Boundary of section 4
Var 10° 50' East

40,00 Set Limestone Rock 15 in long 10 in wide and 3 in thick for quarter Sec. corner

80,00 Set Limestone Rock 30 in long 8 in wide and 4 in thick for corner to sections 3, 4, 33 & 34

Land rolling, prairie soil good second rate,

True North Boundary of Township 1 North of Range 12 East of principal Meridian

Chains

N 89° 46' East on true North Boundary of sec. 3
Var 10° 32' East,

12,50 A stream 4 lks wide course N. E. rocky bed & banks, water 12 in deep with gentle current, banks low

40,00 Set Limestone Rock 18 in long 14 in wide and 3 in thick for quarter section corner

80,00 Set Limestone Rock 14 in long 10 in wide and 4 in thick for corner to sections 2, 3, 34 & 35,

Land rolling, with general inclination to the North, prairie, some Limestone rocks on the tops of the ridges & near the stream soil second rate,

Chains

N 89° 46' E on true North Boundary of section 2
Var 10° 55' East,

40,00 Set Limestone Rock 18 in long 15 in wide and 3 in thick for quarter section corner

62,00 Summit of high prairie ridge, course N & S.
Var 10° East,

80,00 Set Limestone Rock 23 in long 9 in wide and 3 in thick for corner to sections 1, 2, 35 & 36,

Land rolling prairie, soil second rate,

True North Boundary of Township 1 North of Range 12 East of principal Meridian
Chains

N 89°46' E on true North Boundary of Section 1'
Var. 11° East

40,00 Set Limestone Rock. 17 in long 9 in wide and 3 in thick for quarter section corner — on top of prairie ridge course N & S — elevation 100 ft

74,50 Bed of small Stream now dry except in pools course S. E.

80,00 To Township corner

Land rolling prairie soil good second rate,

August 28th 1855

General Description of Township 1 North of Range 12 East.

This Township consists principally of high rolling prairie lands. In some parts hilly — On the more abrupt hills and near some of the streams, a great

Chains

deal of Limestone Rock occurs, and in several places Stone coal has been found also veins of slate, and fossil remains of animals and vegetables.

Near the larger streams are belts of gently undulating and level bottom lands — with a soil of rich vegetable loam. There is a good natural supply of water — of good quality

Near the streams are small groves and narrow belts of timber consisting of Oak, Walnut, Ash, Elm, Cottonwood, Willow, &c with an undergrowth of Hazel, Plum, Prickly ash briars & vines. In the bottom lands the soil is first rate — on the uplands second rate, This Township is susceptible of a high state of cultivation and will sustain a dense population. Quite a number of settlers have already begun improvements in it,

East Boundary of Township 2 North of Range 12 East of Principal Meridian

Chains

Tested chain found it ½ inch too long – corrected same

North on the East Boundary of section 36,
Var 11° 10' East,

40,00 Set Limestone Rock 16 in long 8 in wide and 4 in thick for 1/4 sec. cor.

50,00 Summit of divide between South fork of Grand Nemaha river and Bushy Run – course E & W. Elevation 1307 ft

64,00 Enter timber & brush, course N.W & S.E.

67,90 Bushy Run 10 lks wide course East, Rocky bed & low earth banks, shallow water – but sluggish current,

74,00 Leave timber & Enter prairie N 15° W & S.E.

80,00 Set Conglomerate rock 23 in long 12 in wide and 3 in thick for corner to sections 25, 30, 31 & 36 –

From which

A Hickory 8 in dia, bears S 88° W. 197 lks dist

Land rolling prairie, except near the creek where I find walnut, oak, Hickory, Elm & cottonwood timber, with an under growth of Hazel Briars & vines

Soil good second rate,

Chains

North on the East Boundary of section 25
Var 11° 12' East,

40,00 Set Limestone Rock 24 in long 10 in wide and 4 in thick for quarter section corner

A House bears S 19° W. about 20 chs dist

50,15 A Wagon trail course E & W,

80,00 Set a conglomerate rock 17 in long 14 in wide and 5 in thick for for corner to sections 19, 24, 25 & 30

Land rolling prairie with a general inclination to the South, soil good second rate,

East Boundary of Township 2 North of Range 12 East of Principal Meridian

chains

North on the East Boundary of section 24
Var 11° 5' East

40.00 Set Conglomerate Rock 18 in long 10 in wide and 3 in thick for quarter section corner

41.60 Bed of small stream now dry course East

80.00 Set Limestone Rock 28 in long 15 in wide and 3 in thick for corner to sections 13, 18, 19 & 24

Land rolling prairie. Soil second rate, some of the higher points and ridges are thickly strewn with fragments of a coarse, hard, conglomerate rock composed of lime, clay, pebbles and animal & vegetable fossils

chains

North on the East Boundary of section 13
Var 11° 30' East

26.00 Enter River Bottom from West to S.E.

40.00 Set Limestone Rock 18 in long 10 in wide and 3 in thick for quarter section corner

49.00 To North Fork of Grand Nemeha river course East, Width of channel 40 lks. depth of water 30 inches. Clay bed gentle current, banks of earth Right bank 20 ft and left bank 20 ft high

80.00 Set Limestone Rock 22 in long 10 in wide & 5 in thick for corner to sections 7, 12, 13 and 18

Land on South 26 chs rolling prairie soil second rate. N 54 chs level river bottom, that part north of river dry, remainder subject to overflow

"B"

East Boundary of Township 2 North of Range 12 East of principal Meridian

Chains

in time of high water, all prairie except a very narrow strip adjacent to river, which has Walnut Maple Ash & Cottonwood timber soil first rate,

North on the East boundary of section 12
Var. 11° East

6,00 Leave River bottom course from N.W. to S.E.
16,00 Brushy Ravine course West,
16,50 Brushy Ravine course S.W.
40,00 Set a conglomerate rock 24 in long 14 in wide and 3 in thick for Quarter section corner
80,00 Set a conglomerate rock 31 in long 8 in wide and 5 in thick for corner to sections, 1, 6, 7 & 12
Land rolling and somewhat rocky prairie. soil second rate,

Chains

North on the East Boundary of section 1
Var 10° 2' East

40,00 Set conglomerate rock 28 in long 14 in wide and 4 in thick for quarter section corner
80,00 Set Conglomerate rock 30 in long 14 in wide and 4 in thick for corner to sections 1, 6, 31 & 36 And Townships 2 & 3 North of Ranges 12 & 13 East,
Land rolling prairie. soil second rate
August. 29th 1855

Random on North Boundary of T 2 N of R 12 E.
Chains

West on Random on the North boundary of sections 1, 2, 3, 4, 5 & 6
Var., 11°30' East
Set temporary section and quarter section corners, and at
5 miles 79 chains and 81 links
5,79,81, Intersected Range line at corner to Townships 2 & 3 North of Ranges 11 & 12 East
Thence I return on line and establish the temporary corners as true corners, The course of the line being East

True North Boundary of T 2 North of Range 12 East,
Chains

East on true North boundary of sec., 6
Var 10° 35' East
4.60 A Stream 2 lks wide course S. W.
39.81 Set Limestone Rock 15 in long, 8 in wide and 4 in thick for quar., Sec., corner
60.00 Enter bottom land course N. E & S W
79.81 Set Limestone Rock 15 in long 10 in wide and 4 in thick for corner to sections 5, 6, 31 & 32
Land rolling prairie, soil on East 20 chs first rate, balance second rate,

True North Boundary of Township 2 North
Chains

East on the true North Boundary of section 5
Var 10° 30' East

19.30 A Wagon trail course S.W.
22.60 Enter brush course N & S
24.50 A Stream 8 lks wide course N.E
26.30 Same stream do do do S.E
34.00 Leave brush course North & S E
40.00 Set Limestone Rock 16 in long 9 in wide and 4 in thick for quarter section corner
43.00 Enter brush course N.W.& S.E.
48.80 Stream, noted above, course North
56.80 Same stream 6 lks wide course S.W. (N.E.) water 6 inches deep with gentle current, sand bed & earth banks 12 ft high
69.00 Leave brush course N & S.
80.00 Set Limestone Rock 16 in long 10 in wide and 4 in thick for corner to sections 4. 5. 32 & 33
Land rolling prairie except near

of Range 12 East of the principal Mer.
Chains

the stream where it is timbered with Elm, Walnut &c with a very thick undergrowth of Hazel, Plum, Thorn Briars and vines,
soil first rate

East on the true North Boundary of section 4
Var 10° 50' East

15.00 Top of high rocky ridge course N & S elevation 65 feet
23.00 To foot of Bluff course N & S. Enter bottom
40.00 Set Limestone Rock 17 in long 9 in wide and 3 in thick for quarter section corner
40.20 Wagon trail course N.W. & S.E.
80.00 Set Limestone Rock 18 in long 12 in wide and 5 in thick for corner to sections 9. 4. 33 & 34
Land on West 28 chs hilly & rocky soil third rate, balance ~~rolling~~ bottom land soil first rate,
all prairie

True North Boundary of Township 2, No

Chains

East on the true North Boundary of sec. 3
Var 11° East

4,50 Enter brush course N & S
15,50 Bend of creek 10 lks South of line
24,75 Creek 40 lks wide course at crossing South, water 12 inches deep, with brisk current, mud bed, alluvial banks 15 feet high
25,00 Leave timber & brush course N & S
30,50 Wagon Road course N & S,
40,00 Set Limestone Rock 15 in long 8 in wide and 3 in thick for quarter section cor
80,00 Set Limestone Rock 18 in long 12 in wide and 3 in thick for corner to sections 2, 3, 34 & 35

Land, level bottom, on west 40 chs there is considerable timber consisting of Walnut, Maple, Elm Cottonwood, &c with an undergrowth of Hazel vines &c
Soil first rate,

of Range 12 East of the principal Meridian

Chains

East on the true North Boundary of sec. 2
Var. 10°50' East

8,40 Cross Stream 4 lks wide course from N.E to S W, Enter timber
14,00 Leave timber course N & S
35,00 Enter timber course N.E & S W
40,00 Set post for quarter section corner

From which
A Hickory 5 in dia bears South 4½ lks dist
A White Elm 4 do do N 35° E 5 do

44,00 Leave timber course N & S
80,00 Set Conglomerate rock 18 in long 12 in wide and 2½ in thick for corner to sections 1, 2, 35 & 36

Land rolling, with rock on the higher ridges in considerable quantities, Soil third rate, All prairie except near the stream and the quarter sec. cor. where I find Oak & Hickory timber, with an undergrowth of Hazel & briars

Line North Boundary of Township 2 North of Range 12 East of the Principal Meridian

Chains

East on the North Boundary of section 1.
Var. 11°30' East

40,00 Set Conglomerate Rock 14 in long 12 in wide and 8 in thick for quarter section corner

53,60 A Stream 3 lks wide course S, W,

54,80 A stream 2 lks wide course S, W.

80,00 To Township corner

Land rolling prairie, soil a clay loam second rate

General Description of Township 2 North of Range 12 East,

This Township is composed, for the most part of elevated, rolling prairie lands, In some parts of it a good deal of Limestone and a coarse

Conglomerate Rock appears principally upon and near the summit of the higher prairie ridges,

The Township is drained by the North Fork of the Grand Nemeha river and its tributaries- which afford a good supply of good living water.

Near the streams are groves and narrow belts of timber, consisting of, Oak, Walnut Hickory Elm, Ash Cottonwood &c with an undergrowth of Hazel Plum Prickly ash vines &c,

Near the streams the soil is first rate On the high lands it will average second rate, This Township is susceptible of high cultivation & thick settlement, Quite a number of "squatters" have already made "claims" in it,

The Conglomerate Rock mentioned is composed for the most part of animal & vegetable remains, with clearly defined shells, and water worn pebbles,

North on the East Boundary of Township 3 North
Chains

Omitted in Copying

North on the East Boundary of section 36
Var 11°30' East

5.50 A Hollow with pools of water course N.E
40.00 Set a Conglomerate Rock 14 in long 8 in wide and 4 in thick for quarter section corner
48.50 Hollow with pools of water, course East
80.00 Set a Conglomerate rock 17 in long 14 in wide and 4 in thick for corner to sections 25, 30, 31 & 36

Land rolling-prairie-soil good second rate,

of Range 12 East of the Principal Meridian
Chains

North on the East Boundary of section 25
Var 11°40' East.

40.00 Set Conglomerate Rock 14 in long 12 in wide and 4 in thick for quarter section corner
77.25 A Stream 6 lks wide course N.E, banks of Earth 10 ft high, gravel bed, water 6 in deep with gentle current
80.00 Set post for corner to sections 19 24, 25 & 30,

From which

A Black Walnut 10 in dia, bears N 84½° E, 68 lks
A do do 4 do do N 68° W, 23 "
A Bur Oak 12 do do S 4° W, 1.01 "
A Black Walnut 7 do do S 2½° E .95 "

Land rolling, prairie - except on North 5 chs, which has Oak Walnut & Elm timber with an undergrowth of hazel Briars &c
Soil good second rate,

East Boundary of Township 8 North

Chains

North on East Boundary of Section 24
Var 11°58' East

40,00 Drove charred stake set post and raised mound of Earth & sod with trench & pits as per instructions for quarter section corner

45,50 Hollow with pools of water course S.W.

80,00 Set a conglomerate rock 18 in long 8 in wide & 5 in thick for corner to sections 13, 18, 19 & 24

Land gently rolling prairie with a general slope to the S.W.
Soil first rate,

August 30th 1855

of Range 12 East of the Principal Meridian

Chains

Tested chain - found correct.

North on the East boundary of Section 13
Var. 11°42' East

40,00 Drove charred stake, set post and raised mound of Earth & sod with trench and pits as per instructions for quarter section corner,

80,00 Drove charred stake, set post and raised mound of Earth and sod with trench & pits as per instructions for corner to sections 7, 12, 13 & 18

Land rolling prairie soil good second rate,

East Boundary of Township 3 North of Ranges 12 East of the principal Meridian
Chains

North on the East Boundary of section 12
Var 11° 25' East

40,00 Set post for quarter section corner
from which
A Bur Oak 7 in dia bears N 27½° W 364 lks dist
A Hickory 6 do do N 2½° E 4,56 do
44,00 Enter grove of timber course E & W,
49,80 Bed of small stream now dry course East
52,00 Leave timber - course E & W
79,00 Enter grove of timber course E & W,
79,90 Enter creek 6 lks wide course N.E.
mud bed, & banks, the latter 10 ft high
80,00 Set post - in pool of water 2 feet deep
- for corner to sections 1, 6, 7 & 12
from which
A Black Walnut 6 in dia bears S 76° W, 76 lks dist
A White Ash 7 do do S 1° E, 30 "
A Red Elm 6 do do N 71° E, 27 "
A do 5 do do N 28° W, 38 "
Land rolling - soil second rate,

all prairie, except the small groves noted, where I find Oak, Hickory, Walnut and Elm timber

North on the East Boundary of section 1
Var 11° 20' East,

,60 Leave pool of water course N.E
2,00 Leave Grove, course from S.W. to East,
40,00 Set Red Granite rock 15 in long 11 in wide and 9 in thick for quarter section corner
41,00 Enter creek bottom course N.W. & S.E.
78,00 Enter thicket of brush and small trees
80,00 Set post corner to Townships 3 & 4 North of Ranges 12 & 13 East, and sections 1, 6, 31 & 36
from which
A Linn 6 in dia bears S 79° W 10 lks dist
A Red Elm 4 do do N 18½° W 21 do do
A Hickory 6 do do N 67° E 2 do do
A do 6 do do S 36° E 2 do do
Land rolling - prairie - except the small groves noted - which have Oak hickory & Elm timber
soil good second rate,

Random Line on the North boundary of T 3 N of R 13 E
Chains

X West on Random on the North boundaries of sections 1, 2, 3, 4, 5 & 6

Var 11° 15' East

Set temporary section and quarter section corners and at

5 miles 77 chains and 20 links

5,77,20 intersected Range line 160 links south of corner to Townships 3 & 4 North of Ranges 11 & 12 East

The correction for the true line will therefore be $16\frac{2}{3}$ links per mile, giving as the course at which I must run S 89° 49' East

True North Boundary of T 3 N of R 12 East
Chains

S 89° 49' East on true North boundary of section 6

Var 11° 20' East

37,20 Set Flint Rock 16 in long 9 in wide and 4 in thick for 9/2 sec. corner

41,20 Enter brush course N & S

50,20 Creek 14 lks wide, 6 in deep - current rapid - bed mud, banks of earth 15 feet high, course of stream South

52,20 Leave brush course N & S -

65,20 Leave Creek bottom course N & S W

77,20 Set Grey Granite rock 14 in long 12 in wide & 5 in thick for corner to sections 5, 6, 31 & 32,

(Land on west 65 chs bottom, level near the stream a narrow strip of timber, Oak, Elm, Walnut &c with undergrowth of Hazel vines &c soil first rate,)

Line North Boundary of Township 3, North
Chains

S 89°49' East on the N. B. section 5
Var. 11°30' East

23,00 Pool of water 4 lks wide, 18 in deep
29,00 A Stream 3 lks wide course S. W.
40,00 Set Grey Granite Rock 14 in long 9 in wide and 5 in thick for quarter section corner
80,00 Set Red Granite Rock 16 in long 9 in wide and 6 in thick for corner to sections 4, 5, 32 & 33
Land rolling prairie, soil third rate,

of Range 12 East of the Principal Meridian
Chains

S 89°49' East on the line North Boundary of Sec. 4
Var. 11°43' East

30,10 A pool of water 5 lks wide 2 ft deep
34,40 A slough 3 lks wide course N. E.
40,00 Set Grey Granite rock 15 in long 8 in wide and 8 in thick for quarter section corner
80,00 Set Red Granite Rock 17 in long 12 in wide and 6 in thick for corner to sections 3, 4, 33 & 34
Land very rolling - prairie - soil sandy loam, second rate,

True North Boundary of Township 3 North of Range 12 East of the principal Meridian

Chains

S 89°49' E on the true North Boundary of section 3.
Var 11°45' East

35,60 Dry Ravine course N. E.
40,00 Set Grey Granite rock 17 in long 10 in wide and 7 in thick for quarter section corner
70,30 Indian trail course N. E & S. W.
70,60 A stream 3 lks wide course N. E.
80,00 Set Grey Granite Rock 16 in long 12 in wide and 6 in thick for corner to sections 2, 3, 34 & 35
Land rolling prairie soil a clay loam, second rate,

S 89°49' E on true North boundary of section 2
Var 11°35' East

28,00 A Stream 3 lks wide course N. E.
40,00 Set Grey Granite Rock 15 in long 10 in wide and 6 in thick for quarter section corner
80,00 Set Grey Granite Rock 16 in long 9 in wide and 9 in thick for corner to sections 1, 2, 35 & 36
Land rolling prairie, soil a clay loam — good second rate,

S 89°49' E on the true North Boundary of section 1
Var 11°45' East

9,40 Enter brush course N & S
11,60 A stream 1 lk wide course N 70° E
13,50 Leave brush course N & S
40,00 Set Limestone Rock 16 in long 10 in wide

Line North Boundary of T 3 N of R 12 East
Chains

and 5 in thick for quarter, section corner

62,00 Enter brush course N & S

69,60 A spring branch 1 lk wide course North

77,40 To Long Branch fork of Nemeha River, 60 lks wide course S.E. water 2 feet deep with gentle current, mud bed Earth banks, 20 feet high

79,50 Second crossing of above stream course N.E.,

80,00 To Township corner,

Land on West 62 chs rolling prairie except the thicket of brush noted, soil second rate, East 18 chs timbered with Oak Elm Maple Linn &c with an undergrowth of Hazel, Plum ~~[illegible]~~ Briars & vines soil - vegetable loam first rate,

General Description of T. 3 N of R 12 E —
This Township consists of high rolling

General Description of T 3 N of R 12 E

prairie lands, with narrow belts of level bottom lands adjacent to the more considerable streams,

Timber is scarce and is found only in small groves and narrow belts near the streams, it consists of Oak, Hickory Elm, Linn &c with thickets of Wild Plum Hazel Briars & vines, Limestone occurs in one or two places, — Some Granite boulders are scattered over the surface in certain localities,

The soil will average throughout the Township about second rate,

There is very little land in this Township that is not susceptible of cultivation,

I found no settlers & if there are any they must be in the interior of the Township,

August 31st 1858

East Boundary of Township 21 North
Chains

Tested chain found 98 in too long, corrected

North on the East boundary of Sec. 36
Var. 11° 15' East

1,00 Long Branch, fork of the North Fork of Grand Nemaha river, 30 lks wide course N. E. water 2 ft deep with sluggish current, mud bed & earth banks 15 ft high

2,60 Leave creek & timber course E & W

17,00 Leave creek bottom course S E & N W

40,00 Set Red Granite Rock 13 in long 12 in wide and 6 in thick, for 1/4 sec. corner

79,95 Spring Branch 2 lks wide course N. W.

80,00 Set Red Granite Rock 26 in long 12 in wide and 8 in thick for corner to sections 25, 30, 31 & 36

Land rolling - prairie - except South two and a half chains, which is in creek - South 17 chs in creek bottom, soil first rate
Soil on balance good second rate

of Range 12 East of the Principal Meridian
Chains

North on the East Boundary of Section 25
Var 11° 27' East

1,90 A stream 5 lks wide course S. W. low bend bank worked

3,40 Same stream " " " S. E " " " "

7,75 Same " " " " S. W " " " "

40,00 Set Red Granite Rock 14 in long, 9 in wide & 4 1/2 in thick for quar. section corner

65,85 Indian Trail course East & West,

80,00 Set Limestone Rock 15 in long 12 in wide and 5 in thick for corner to sections 19, 24, 25 & 30

Land rolling - prairie - with general inclination to the south, soil good second rate,

East Boundary of Township 4 North
Chains

North on the East Boundary of section 24,
Var 11° 35' East

13,90 Bed of stream, dry except in pools, course S.E.
40,00 Set Limestone Rock 18 in long 8 in wide and 8 in thick for quarter section corner
80,00 Set Red Granite Rock 18 in long 8 in wide and 6 in thick for corner to sections 13, 18, 19 & 24
Land rolling prairie, soil good second rate,

North on the East Boundary of section 13
Var 11° 45' East

40,00 Set Limestone Rock 15 in long 12 in wide and 4 in thick for quarter sec., corner
47,40 A grassy swale with pools of water course N.E.
75,85 A grassy swale with pools of water course N.E.
80,00 Set Limestone Rock 20 in long 14 in

of Range 12 East of the Principal Meridian
Chains

wide & 3 in thick for corner to sections 7, 12, 13 and 18
Land rolling prairie, soil good second rate,

North on the East Boundary of section 12
Var 11° 35' East

39,10 Grassy swale course East
40,00 Set Limestone Rock 18 in long 12 in wide & 3 in thick for quarter sec., corner
61,90 Grassy swale, water in pools, course East
80,00 Set Conglomerate Rock 22 in long 10 in wide and 6 in thick for corner to sections 1, 6, 7 & 12
Land rolling - prairie - with general Eastern inclination soil good second rate,

East Boundary of Town 4 N of Range 12 East

Chains

North on the East Boundary of section 1.
Var 11°27' East

24,00 A Stream 4 chs wide 3 ft deep, course East

40,00 Set Limestone Rock 18 in long 10 in wide and 3 in thick for quarter section corner

84,95 Intersected "First Standard Parallel North" 4 chs 52 links west of Standard corner of Townships 5 North of Ranges 12 & 13 East

Set Grey Granite Rock 18 in long 14 in wide & 3 in thick for closing corner to Townships 4 North of Ranges 12 & 13 East & sections 1 & 6, from which

A Bur Oak 6 in dia bears N 18° W 2,15 chs dist

Land rolling prairie, with general inclination to the East, soil good second rate,

Var 10°15' East,

September 1st 1885

General Description of T 4 N of R 12 E

This Township consists almost wholly of elevated rolling prairie lands, with a soil that may be classed as second rate,

Small groves of timber are found on the water courses, but they are of very limited extent,

I find scarcely any stone of any kind,

There are no settlements in sight from either the East or South boundaries of the Township

The land of this Township if cultivated will yield a good crop of grain,

There is a fair supply of water

East Boundary of Township 1 North of

Chains

From A Limestone Rock 34 in long 18 in wide and 5 in thick, which, by the marks and description furnished me - I recognize as the corner to Townships 1 North of Ranges 13 & 14 East, I set instrument on Base Line one half mile each, East & West and find

Var, 11° 20' East

Tested chain, found it correct,

North on the East boundary of section 36

Var, 11° 20' East

14,55 Bed of small stream now dry except in pools course West, 150 feet -

38,90 Indian Trail course East & West, 150 ft +

40,00 Set Limestone Rock 16 in long 14 in wide & 3 in thick for quarter section corner

Range 13, East of the Principal Meridian

Chains

80,00 Set Limestone Rock 18 in long, 12 in wide and 3 in thick for corner to sections 25 30, 31 & 36

Land on South half mile hilly and rocky soil third rate, North half mile rolling - soil second rate - all prairie

North on the East Boundary of section 25

Var 11° 25' East,

35,65 Bed of small stream, dry except in pools course N 15° W

40,00 Set Limestone Rock 18 in long 12 in wide and 4 in thick for quarter section corner

46,00 Bed of stream above noted, course N 20° E

65,60 Bed of stream above noted course N, W,

80,00 Set Limestone Rock 23 in long 12 in wide & 3 in thick for corner to sections 19, 24, 25 and 30,

Land rolling, prairie, with general inclination to the North, soil good second rate.

East Boundary of Township 1 North

Chains

North on the East Boundary of Section 24
Var 11° 32' East

40,00 Set Limestone Rock 20 in long 10 in wide & 4 in thick for quarter section corner on summit of Rocky ridge. Elevation 70 feet, course East & N.W.

80,00 Set Limestone Rock 18 in long 14 in wide and 5 in thick for corner to sections 13, 18, 19, and 24

Land rolling - Prairie - on the higher ridges rocky, soil good second rate

North on the East Boundary of Section 13,
Var 11° 45' East

11,55 - Dry Ravine, course West - 15 feet deep

29,75 Easily creek 12 lks wide, course from S.W. to N.E. banks of Earth 20 feet high - gravel bed, water 6 in deep with

of Range 13 East of the Principal Meridian

Chains

brisk current,

32,00 Intersect point of bend in Easily Creek course from S.E. to N.E.,

38,60 Dry Ravine 15 feet deep course East,

40,00 Set Limestone Rock 18 in long 12 in wide & 2½ in thick for quarter section corner

43,30 Dry Ravine 10 feet deep, course East

80,00 Set Limestone Rock 18 in long 14 in wide and 3 in thick for corner to sections 7, 12, 13 & 18

Land gently rolling, prairie, except a narrow belt of timber and brush near the creek, where I find Oak, Walnut, Elm & Cottonwood timber with an undergrowth of Hazel Plum, Briars & vines Soil first rate,

East Boundary of Township 1 North of Range 13 East of the principal Meridian

Chains

North on the East Boundary of section 12
Var 11°50' East

40,00 Set Limestone Rock 18 in long 10 in wide and 3 in thick for quarter section corner

64,60 "Morrison's Creek" 15 links wide, banks of earth 20 feet high, bed of broken Limestone water shallow with rapid current, course N. E

67,50 Cross the above creek, course N. W.

74,60 Cross the above stream course N. E

80,00 Set Limestone rock 20 in long 8 in wide and 5 in thick for corner to sections 1, 6, 7 & 12

Land rolling, all prairie except a narrow belt of timber near the creek, consisting of Oak Walnut Elm & Hickory, with an undergrowth of Hazel Willow briars & vines soil good second rate,

Chains

North on the East Boundary of section 1
Var 11°52' East,

3.40 Dry Ravine 20 feet deep course East

29,80 Wagon Road from Salem to upper settlements on Nemeha course from N 70° E to S 80° W

40,00 Set Limestone Rock 18 in long 9 in wide and 5 in thick for quarter sec. corner

41,00 Enter River bottom course N. W & S E

80,00 Set Limestone Rock 30 in long 10 in wide & 4½ in thick for corner to sections 1, 6, 31 & 36, and Townships 1 & 2 North, of Ranges 13 & 14 East

Land on South 41 chains - rolling, soil good second rate, North 39 chs in river bottom, I think subject to overflow in time of very high water, soil first rate vegetable loam - all prairie

Random line on the North Boundary of T 1 N of R 13 E

Chains

West on Random line on the North Boundary of sections 1, 2, 3, 4, 5 & 6

Var. 12° East

Set temporary section and quarter section corners at 40.00 and 80.00 chains and at 5 Miles 79 chains & 24 links

5,79.24 Intersected Range Line at corner of Township 1 & 2 North of Ranges 12 & 13 East,

Returning on line I cause to be established, as the true line and section and quarter section corners thereon as run and temporarily set & marked on Random, the course being East

September 3rd 1855.

True North Boundary of T 1 N of R 13 E

Chains

East on the true North boundary of section 6

Var. 11° 10' East,

23.74 Pool of standing water 30 lks wide 5 ft deep

39.24 Set Limestone Rock 18 in long 12 in wide & 5 in thick for quarter Section corner

79.24 Set Limestone Rock 18 in long 10 in wide & 5 in thick for corner to sections 5, 6, 31 And 32

Land rolling, prairie, soil good second rate

East on the true North Boundary of sec. 5

Var 11° 20' East

40.00 Set Limestone Rock 18 in long 10 in wide & 4 in thick for quarter section corner

46.00 Enter River bottom, course from SW to N.E

80.00 Set Limestone Rock 20 in long 10 in wide & 3 in thick for corner to sections 4, 5, 32 & 33

Land on west 46 chs rolling soil second rate on the slope of the bluff facing the

True North Boundary of Township 1 North of Range 13 East of the Principal Meridian

Chains

bottom there is Limestone Rock, bluff 120 ft high,
East 34 chs in river bottom, level — from appearance subject to overflow in wet season, soil first rate, all prairie,

East on the true North Boundary of section 4
Var 11°38' East

40,00 Set Limestone Rock 16 in long 8 in wide & 6 in thick for quarter section corner

80,00 Set Limestone Rock 18 in long 10 in wide and 4 in thick for corner to sections 3, 4, 33 & 34

Land level bottom, prairie, from appearances, I think subject to overflow in time of very high water, soil a vegetable loam, first rate,

Chains

East on the true North Boundary of section 3
Var 11°25' East

16,25 Middle of Channel of South fork of Grand Nemeha River, 55 links wide, water fifteen inches deep with rapid current, banks 20 feet high of sandy loam, bed sand & gravel, course N.E.

40,00 Set Limestone Rock 18 in long 8 in wide & 5 in thick for quarter section corner

67,00 Leave River bottom course S 60° W & N E

75,00 On Summit of rocky ridge course S 60° W
Elevation 90 feet

80,00 Set Limestone Rock 26 in long 12 in wide & 4 in thick for corner to sections 2, 3, 34 & 35 — in deep rocky hollow, course & descent North,

Land on West 67 chs level river bottom, subject to overflow, soil first rate, East 13 chs, over rocky point soil third rate, all prairie except dry near the the river where there are a few cottonwood & walnut trees

"C"

True North Boundary of Township 1 North

Chains

East on the True North Boundary of Section 2
Var. 11° 40' East

21.00 On North foot of high conical rocky hill 150 ft above the river, ascent south

40.00 Set Limestone Rock 15 in long 10 in wide and 6 in thick for quarter section corner

42.90 Bed of small stream, in Ravine, dry at the crossing, a spring 25 yds below and another 100 yds above, course North

63.50 By Rocky Ravine course & descent North

80.00 Set Limestone Rock 25 in long 9 in wide and 4 in thick for corner to sections 1, 2, 35 & 36

Land hilly & rocky, with general slope to the North, soil third rate, all prairie except some thickets of Brush and a few scrubby Oak trees in the ravines

# of Range 13 East of the principal Meridian

Chains

East on the True North boundary of sec. 1
Var. 12° East,

29.00 Enter River bottom course N. W. & S. E. 150 ft

40.00 Set Limestone Rock 28 in long 8 in wide & 6 in thick for quarter section corner

80.00 To Township corner

Land on West 29 chs hilly & rocky with general slope to the East, soil third rate, East 51 chs level river bottom subject to inundation in wet seasons — soil first rate — all prairie

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General Description of T. 1 N of R. 13 E

This Township is composed of high rolling prairie lands. In some parts it may be called hilly, and where so is usually very rocky, the Rock for the most

General Description of Town 1 N of Range 13 East

part consisting of Limestone.

Some Stone coal has been found in the western part of this Township,

The Township is drained by the South fork of Grand Nemeha River and its tributaries, Near the streams there are belts of bottom land with first rate soil – and quite near the streams are groves & belts of timber, consisting of oak walnut, ash Cottonwood Elm &c with an undergrowth of Hazel wild plum, Briars & vines.

On the upland the soil is second and third rate.

Quite a number of settlers have already built their cabins in this Township

East Boundary of Township 2 North of Range 13 East

Chains

North on the East Boundary of section 36
Var. 12° East

40,00 Set Limestone Rock 16 in long 10 in wide and 5 in thick for quarter section corner

42,00 Enter timber course E & W

51,85 To Edge of water in South Fork of "Grand Nemeha River, 60 links wide, course East, banks sandy loam 15 feet high water 18 in deep with gentle current over mud bed,

52,50 Leave timber course E & W

67,00 Leave River bottom, course West & S.E.

75,00 Top of Rocky ridge course E & W 1 00

80,00 Set Limestone Rock 18 in long 9 in wide & 8 in thick for cor. to sections 25, 30, 31 & 36

Land on South 67 chs level river bottom subject to overflow, soil first rate. North 13 chs. hilly & rocky soil third rate, all prairie, except near the river where there are a few cottonwood, oak, Elm & walnut trees

North on East Boundary of Township 2 North

Chains

North on the East Boundary of section 25.
Var 11° 50' East

40,00 Set Limestone Rock 18 in long 10 in wide & 3 in thick for quarter section corner

80,00 Set Limestone Rock 16 in long 14 in wide & 6 in thick for corner to sections 19, 24, 25 & 30

Land rolling, with a great deal of Limestone Rock scattered over the surface. Soil second rate

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North on the East Boundary of section 24
Var 11° 25' East,

40,00 Set Limestone Rock 16 in long 10 in wide & 3 in thick for quarter section corner

52,00 Enter River bottom, course E & N.W.

80,00 Set Limestone Rock 20 in long 10 in wide

of Range 13 East of the Principal Meridian

Chains

and 4 in thick for corner to sections 13, 18, 19 and 24

Land on South 52 chains rolling and rocky - soil third rate, on North 28 chains level river bottom, & think subject to overflow in time of high water - soil first rate, all prairie

---

North on the East Boundary of section 13
Var 11° 27' East

29,00 Enter timber course S.E. & N.W.

30,60 To middle of channel in North Fork of Grand Nemeha River, 50 lks wide course S.E. banks 15 ft high of sandy loam, water 12 in deep with rapid current over sandy bed

40,00 Set post for quarter section corner
From which
An Elm 8 in dia bears N 84° W. 14 lks dist
A Black walnut 24 do do N 60° E. 46 do

East Boundary of Township 2 North

Chains	
43,40	To second crossing of River, course S. W.
53,50	To third crossing of River course S, E.
62,50	To Fourth crossing of River course S W
79,40	Enter River at fifth crossing course East
79,95	Leave River at fifth crossing, leave timber
80,00	Set Limestone Rock 18 in long 12 in wide and 4 in thick for corner to sections 7, 12, 13, 18,

From which

A Willow 10 in dia bears N45° E, 5 lks dist

Land level River bottom, soil first rate. South 29 chs prairie. balance well timbered with Oak Walnut, Hickory, Elm, Cottonwood &c. with an undergrowth of weeds and vines, prairie subject to overflow by high water, timber land apparently above high water mark

of Range 13 East of the Principal Meridian

Chains	
	North on the East Boundary of section 12
	Var 11° 40' East
18,00	Top of Rocky ridge. Elevation 150 feet, course E & W
40,00	Set Limestone Rock 20 in long 10 in wide and 4 in thick for quarter section corner
64,90	A Prairie Stream 3 lks wide, course S, E,
80,00	Set Limestone Rock 18 in long 8 in wide & 3 in thick for corner to sections 1, 6, 7 & 12

Land rolling - prairie - with some Limestone Rock on the surface. Soil on South half mile third rate, on North half mile second rate,

Tested chain, found it 1/4 inch too long corrected error

East Boundary of Township 2 North of Range 13 East

chains

North on the East Boundary of Section 1

Var 12° 20' East

40,00 Set Limestone Rock 16 in long 10 in wide and 4 in thick for quarter section corner

42,60 A small stream in prairie 2 lks wide course S.E.

60,50 A dry swale course from West to East

63,00 Leave swale course from N W to East

80,00 Set Limestone Rock 28 in long 9 in wide and 8 in thick for corner to sections 1, 6, 31 & 36, and Townships 2 & 3 North of Ranges 13 & 14 East

Land rolling - prairie - soil second rate

Sept. 4th 1855

Random Line on North Boundary of T 2 N R 13 E

chains

West on Random line on the North Boundary of sections 1, 2, 3, 4, 5 & 6

Var 12° East

Set temporary section and quarter section corners at 40,00 & 80,00 chains and at 5 miles 78 chs & 46 links

5,78,46 Intersected Range line 120 links South of corner of Townships 2 & 3 North of Ranges 12 & 13 East Thence I return and establish true line the correction being 20 links per mile, making the course of the line S 89° 51' East

Line North Boundary of Township 2 North

Chains

S 89° 51' East on the true North Boundary of sec. 6
Var 11° 30' East

34,50 Enter timber course N & S.
37,46 To Bed of stream, now dry course South
38,46 Set post for quarter section corner
From which
A Bur Oak 18 in dia bears S 45° W, 73 lks
A Hickory 4 do do N 2° E, 43 do
39,80 Leave timber course N & S
43,80 Enter timber course N & S.
47,50 Leave timber course N & S
78,46 Set Conglomerate Rock 18 in long 9 in wide & 8 in thick for corner to sections 5, 6, 31 & 32

Land rolling, West 34 chs & East 31 chs prairie, balance timbered with Oak, Walnut, Hickory, Cottonwood &c with an undergrowth of Hazel Briars and vines,
Soil good second rate

of Range 13 East of the Principal Meridian

Chains

S 89° 51' E on true North Boundary of sec. 5
Var 11° 30' East

40,00 Set Conglomerate Rock 18 in long 12 in wide and 3 in thick for 1/4 Sec. cor.
80,00 Set Limestone Rock 15 in long 9 in wide and 4 in thick for corner to sections 4, 5, 32, & 33,

Land rolling prairie, soil a clay loam - Second rate,

S 89° 51' E on true North Boundary of sec. 4
Var 11° 30 East

29,55 Wagon trail course S W & N E,
40,00 Set Limestone rock 15 in long 10 in wide & 3 in thick for quarter section corner
42,50 Enter brush course N & S
45,50 A stream 4 lks wide course S. E. mud bed & low earth banks

Line North Boundary of Township 9 North of Range 13 East of the Principal Meridian

Chains

~~S 89° 51'~~

47.10 A Creek 20 lks wide course S. W. water 18 in deep with sluggish current over mud bed. banks of Earth 12 ft high

50.00 To middle of above creek at second crossing ~~course~~ course N. E

54.00 Leave timber & brush course N & S

80.00 Set Limestone Rock 15 in long 12 in wide & 6 in thick for corner to sections 3, 4, 33, & 34

Land rolling-prairie- except near the stream where it is timbered with Oak, Walnut and Hickory with an undergrowth of Hazel, Briars & vines soil in timber first rate prairie second rate

S 89° 51' E on the North Boundary of section 3
Var 11° 45' East

40.00 Set Limestone Rock 16 in long 14 in wide & 3 in thick for 1/4 sec. corner

40.60 A stream 2 lks wide, now dry except in pools course S. W.

57.50 A dry swale, course S W

80.00 Set Limestone Rock 20 in long 12 in wide and 6 in thick for corner to sections 2, 3, 34 & 35

Land rolling, prairie, soil second rate

S 89° 51' East on the North Boundary of Sec. 2
Var 12° East

14.70 Enter grassy swale course from N E to S W

14.80 Leave grassy swale course from N E to S W

40.00 Set Limestone Rock 18 in long 9 in wide & 6 in thick for quarter sec. corner

Line North Boundary of T 2 North of

Chains	
54,60	Top of high ridge course N & S, Elevation 100 ft
69,88	A Spring branch 2 lks wide course S, W
80,00	Set Limestone Rock 18 in long 8 in wide and 4 in thick for corner to sections 1, 2, 35 & 36
	Land rolling, prairie – on west half mile – soil good second rate on East half mile third rate,

S 89° 51' E on true North Boundary of sec. 1
Var 12° 05' East

40,00	Set Limestone Rock 16 in long 12 in wide & 4 in thick for quarter sec. corner
80,00	To Township Corner
	Land rolling prairie, soil second rate,

Range 13 East of the principal Meridian

Chains

General Description of T 2 N. of R 13 E

This Township is composed almost wholly of elevated rolling prairie lands, in many places the surface is almost covered with Limestone Rock, and in the North West part a good deal of the Conglomerate rock before mentioned occurs, The soil on the uplands is first & second rate in quality

Near the streams are strips of bottom lands with a soil of vegetable loam that ranks first rate, quite near to the larger streams are found belts and groves of a fair quality of timber consisting of Oak Walnut, Hickory Elm, Cottonwood Maple &c

There are a number of settlers already in this Township and it will no doubt eventually have a large population

East Boundary of Township 3 North

Chains

North on the East Boundary of Section 36.
Var. 12° East

17,50 Wagon Road from Hintons to Storys Ferry course from West to East

40,00 Set Limestone Rock 15 in long 8 in wide & 4 in thick for quarter section corner

80,00 Set Limestone Rock 20 in long 10 in wide & 3 in thick for corner to sections 25, 30, 31 & 36,

Land rolling, prairie - soil second rate

North on the East Boundary of section 25
Var 12° 20' East

2,80 A Ravine with water in pools course S. E.

40,00 Set Limestone Rock 15 in ~~long~~, 9 in wide & 3 in thick for quarter sec. corner

76,40 A stream 3 lks wide course East mud bed & low Earth banks,

of Range 13 East of the Principal Meridian

Chains

80,00 Set Limestone Rock 18 in long 9 in wide and 5 in thick for corner to sections 19, 24, 25 & 30

Land rolling - prairie - soil second rate

North on the East Boundary of section 24
Var 12° 25' East

24,60 A stream 5 lks wide course S. E., mud bed & Earth banks 15 feet high

40,00 Set Limestone Rock 17 in long 8 in wide & 3 in thick for quarter section corner

80,00 Set Limestone Rock 18 in long 10 in wide & 3 in thick for corner to sections 13, 18, 19 & 24

Land rolling - prairie - except quite near the stream where I find a few Oak Hickory & Maple trees soil good second rate,

East Boundary of Township 9 North

chains

North on the East Boundary of section 12
Var 12° 15' East,

40,00 Set Limestone Rock 15 in long, 9 in wide
& 4 in thick for quarter section corner

80,00 Set Limestone Rock 18 in long 10 in wide
& 3 in thick for corner to sections
7, 12, 13 & 18

Land high level prairie, soil second rate
clay loam. no water on line

North on the East boundary of section 12
Var 12° East,

21,00 Enter brush course East & West

32,50 A stream 8 links wide course S, E
water 18 in deep, sluggish current
over mud bed; banks of Earth
15 feet high

of Range 13 East of the principal Meridian

chains

34,00 Leave brush course E & W

40,00 Set Limestone Rock 16 in long 10 in wide &
3 in thick for quarter section corner

80,00 Set Limestone Rock 18 in long 12 in wide
& 4 in thick for cor., to sections, 1, 6, 7 & 12:

Land rolling, prairie - a few trees near
the stream - soil good second rate

North on the East Boundary of section 1
Var. 12° 12' East

40,00 Set Limestone Rock 15 in long 8 in wide
& 4 in thick for quarter section corner

59,00 Enter brush course E & W

70,50 A spring Branch 2 lks wide course S, E

71,40 A Stream 5 lks wide course S, E, mud bed
and banks - the latter 15 feet high

73,40 To second crossing of the above stream
8 lks wide course S, W,

East Boundary of Town 3 North of R 13 East

Chains

76,50 Do third crossing of above mentioned stream, 8 lks wide. banks 10 feet high, course S.E

77,00 Leave brush course S E & West

80,00 Set Limestone Rock 20 in long 12 in wide & 4 in thick for corner to sections 1. 6, 31 & 36 And Townships 3 and 4 North of Ranges 13 & 14 East

Land on South 59 and North 3 chs prairie, slightly rolling, soil second rate, on balance timbered with Hickory, Elm & Walnut, with undergrowth of Hazel, and vines very thick soil first rate,

Sept 5th 1855

Random on North Boundary of T 3 N of R 13 E

Chains

Tested chain found it one "link" too long corrected same

X

West on Random line on North boundaries of sections 1, 2, 3, 4, 5 & 6

V ar 12° 20' E

Set temporary section & quarter section corners at 40,00 & 80,00 chains and at 5 miles 75 chains 50 links

5,75,50 Intersected Range Line 200 links South of post corner to Townships 3 & 4 North of Ranges 12 & 13 East Thence I return and establish the true line the correction required being 33⅓ links per mile, giving for the course at which I must run S 89° 46' East

Lone North Boundary of Township 3 North of Range 13 East of the Principal Meridian

Chains

S 89°46' East the north boundary of section 6
Var 11°15' East

10,00 To middle of channel of Long Branch fork of the North fork of Grand Neucha River, 25 lks wide water 18 in deep with sluggish current over mud bed, banks of Earth 15 feet high course S E

11,00 Leave timber & brush course N, W & S E

35,50 Set Red Granite Rock 18 in long 8 in wide & 8 in thick for qr sec. corner

47,50 At stream, now dry except in pools course S, W,

75,50 Set post in west edge of grove for corner to sections 5, 6, 31 & 32

From which

A Bur Oak 15 in dia bears N 75° W 1,81 lks dist
A do 9 in dia do S 10° E 84 do
No other trees convenient,

Chains

Land rolling - prairie - except near the streams noted, and near the corner where there are a few oak, Elm and other trees, with a very thick growth of Hazel, Plum, Briars & vines soil second rate

S 89°46' E on the north boundary of sec. 5
Var 11°20' East

27,00 Leave brush course N & S

40,00 Set post for quarter section corner

From which

A Hickory 4 in dia bears S 57° W 1,90 lks dist
A do 6 do do N 20° E 2,20, do

80,00 Set Red Granite Rock 18 in long 9 in wide and 6 in thick for corner to sections 4, 5, 32 & 33,

Land rolling, prairie, except near the west end of the mile & the qr sec corner where are a few oak hickory & other trees, with thick Hazel brush soil second rate,

The North Boundary of Township 3 North of Range 13 East of the principal Meridian

Chains

S 89°46' E on the North Boundary of section 4
Var 12° East

40,00 Set Red Granite Rock 15 in long 10 in wide and 4 in thick for quarter section corner

80,00 Set Red Granite Rock 15 in long 9 in wide & 8 in thick for corner to sections 3, 4, 33 & 34

Land rolling prairie, soil a clay loam good second rate,

S 89°46' E on the North Boundary of sec., 3
Var 12° East

40,00 Set Grey Granite Rock 15 in long 9 in wide and 5 in thick for quarter section corner

80,00 Set Grey Granite Rock 18 in long 12 in wide and 8 in thick for corner to sections 2, 3, 34 & 35

Land rolling-prairie-soil, second rate

S 89°46' E on the true North boundary of sec., 2
Var., 12° East

24,70 A Pool of water 8 lks wide 4 ft deep

27,60 A Pool of water 12 lks wide 3 ft deep

40,00 Set Red Granite Rock 15 in long 10 in wide & 5 in thick for q.r., sec., corner

47,70 A Hollow course South, to North

78,60 A stream 3 lks wide course N. W., mud bed & banks

80,00 Set Red Granite Rock 28 in long 16 in wide and 8 in thick for corner to sections 1, 2, 35 and 36

Land rolling-prairie-soil second rate,

Line North Boundary of T 3 N of R 13 East
Chains

S 89°46' E on true North Boundary of section 1
Var 12°25' East

4,00 Set Red Granite Rock 17 in long 9 in wide
& 6 in thick for quarter section corner
67,25 Enter Brush course N & S –
70,75 Middle of South Fork of Muddy creek
5 lks wide course S. E., water 10 in deep
with gentle current over mud bed
banks of Earth 12 feet high
74,20 To second crossing of above stream course N. E.
76,70 To third crossing of above stream course S. E.
77,00 Leave brush course N. W. & S. E.,
80,00 To Township corner.
Land rolling-prairie-except on East
11 chains where are a few Maple
Hickory & Elm trees with an
undergrowth of Hazel &c
Soil good second rate,

General Description of T 3 N of R 13 E

This Township like those previously
described is composed of elevated
and rolling prairie lands, with a few
fragments of rock and granite Boulders scat-
tered over the surface in certain places
Timber is very scarce & where it does
occur it is of small size, consisting
of Oak Hickory Walnut, Cottonwood & Elm
with thickets of Hazel, Wild Plum,
Prickly ash &c. Soil on the uplands
second rate – in the narrow bottoms
adjacent to the larger creeks it may
be called first rate,
I find no settlements in this
Township, and I am of opinion
that no "claims" have yet been
made in any part of it

East Boundary of Township 4 North

Chains

Tested chain, found it correct

× North on the East Boundary of section 36.
Var 12° 20' East

40,00 Set Limestone Rock 15 in long 9 in wide & 4 in thick for quarter section corner

80,00 Set Limestone Rock 15 in long 12 in wide & 4 in thick for corner to sections 25, 30, 31 & 36 — in Range one East

Land rolling - prairie - soil good second rate

North on the East Boundary of section 25
Var 12° East

40,00 Set Limestone Rock 15 in long 9 in wide & 3 in thick for quarter Sec. Corner

41,60 A stream 2 lks wide course N. E.

64,00 A stream 3 lks wide course N. E.

80,00 Set Limestone Rock 16 in long 9 in wide & 5 in thick for corner to sections 19, 24, 25 & 30

of Range 13 East of the principal Meridian

Chains

Land rolling - prairie - soil second rate,

North on the East Boundary of section 24
Var 12° East

40,00 Set Limestone Rock 15 in long 10 in wide and 4 in thick for quarter section corner

43,00 Enter weedy swale course from W to East

54,00 Leave do do do do W to S.E.

80,00 Set Red Granite Rock 18 in long 16 in wide and 4 in thick for corner to sections 13, 18, 19 & 24

Land on South 40 chs rolling - prairie soil second rate, on North 40 chs level prairie, soil good second rate

East Boundary of Township 4 North of

chains

North on the East Boundary of section 13
var 12° East

40,00 Set Limestone Rock 14 in long 10 in wide & 4 in thick for 1/4 sec.n corner

64,00 Enter creek bottom course from N.W to S.E

80,00 Set Limestone Rock 18 in long 10 in wide & 4 in thick for corner to sections 7, 12, 13 & 18

Land on South 64 chs rolling soil third rate, balance in creek bottom. level - soil first rate, all prairie

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North on the East boundary of sec.n 12
var 12° East

8,60 Middle of channel of the North fork of Muddy creek, 4 lks wide course S.E. water 6 in deep gentle current over Mud bed, banks of Earth 20 ft high

Range 13 East of the Principal Meridian

chains

10,00 To second crossing of north fork of Muddy creek course N.W.

13,50 To third crossing of above creek course S.E.

26,00 Leave Creek bottom course from N.W. to S.E.

40,00 Set Limestone Rock 18 in long 8 in wide & 4 in thick for quarter Sec.n corner

80,00 Set Limestone Rock 18 in long 8 in wide and 4 in thick for corner to sections 1, 6, 7 & 12

Land on South 15 chains brushy with a few Oak, Elm & Maple trees, undergrowth Hazel, vines & weeds very thick. South 26 chains in creek bottom. level soil first rate, On North 54 chains rolling - prairie - soil third rate,

East Boundary of Town 4 North of Range 13 East

Chains

North on the East boundary of Section 1
Var 12° East

40,00 Set Limestone Rock 16 in long 11 in wide and 3 in thick for quarter sec., corner

86,73 Intersected "First Standard Parallel North" 9 chains & 64 links West of Standard Corner to Townships 5 North of Ranges 13 & 14 East,

Set Limestone Rock 18 in long 12 in wide and 4 in thick for closing corner to Townships 4 North of Ranges 13 & 14 East, and sections 1 & 6

Land rolling - prairie - soil third rate

Var. 11° 55' East,

Sept 6th 1855

General Description of Town 4 N. of Range 13 E.

Township 4 North of Range 13 East, consists of Elevated prairie lands, with a very few small groves of small timber and thickets of Hazel & other brush,

The land is drained by the head branches of the Muddy creeks, which consist of a great number of small streams & swales, in many of them we find no water at all now, and in others it occurs only in pools. I found no stone except a few Granite boulders. - Where timber is found it consists of small clumps of Oak Hickory Elm, and Lime of small scrubby growth & much injured by fire from the burning prairie grass,

There have been no claims made in this Township yet, The soil will average about second rate,

Random on North Boundary of T 1 N of R 14 E

Chains

Tested chain, found it correct

West on Random on the North boundary of sections 1, 2, 3, 4, 5 & 6
Var 12° 25' East

Set temporary quarter section and section corners at 40 and 80 chains and at 5 miles 79 chains & 39 links

5,79,39 Intersected Range line 108 links south of corner to Townships 1 & 2 North of Ranges 13 & 14 East, Thence on return I establish the true line, the correction required being 18 links per mile to the North giving as the course at which I must run S 89° 52' E on true line

True North boundary of T 1 N of R 14 East

Chains

S 89° 52' E on true North Boundary of section 6
Var 12° East

39,39 Set Limestone Rock, 24 in long 8 in wide and 5 in thick for quarter section corner

60,30 Wagon Road from Salem to upper Nemeha settlements, course N. E & S W.

74,75 Middle of south fork of Grand Nemeha River, 65 lks wide course S. E., water 2 ft deep with gentle current over sandy bed, banks of sandy loam 20 feet high

79,39 Set post corner to sections 5, 6, 31 & 32
From which

A Red Elm 12 in dia bears N 68° E, 32 lks dist
A Maple 15 do do S 46° E, 73 do
An Elm 6 do do S 88° W, 39 do
An Ash 10 do do N 70° W, 83 do

Land level bottom, subject to overflow soil first rate, all prairie except East five chs, which is timbered with Maple, Ash, Elm Walnut &c

Line North Boundary of Township 1 North of Range 14 East of the Principal Meridian

Chains

S 89°52' E on the North boundary of section 5
var. 12° East

5,80 South fork of Grand Nemeha River 60 lks wide course N. W.

11,70 South fork of Grand Nemeha River 60 links wide course S 70° W

40,00 Set Limestone Rock 18 in long 12 in wide, & 5 in thick for gr. sec. corner

73,00 Wagon Road from Salem to upper Nemeha settlements, course from S 70° E to N 80°

78,00 Leave River Bottom, course N. W. & S E

80,00 Set Limestone Rock 20 in long 10 in wide & 3 in thick for corner to sections 4, 5, 32 and 33 — on point 15 ft high

Land except East 2 chs. low bottom level — subject to overflow in time of very high water, all prairie except west 12 chs which has a few cottonwood, Elm & walnut trees soil vegetable loam first rate

Chains

S 89°52' E on the North Boundary of section 4
var 12° 10' East

3,60 by Ravine course South, 10 feet deep

7,50 Top of high point course & ascent North 120 ft
J Plummels House bears S 30 W, about 4 chs dist

35,90 Ravine with pools of water course South 120

40,00 Set Limestone Rock 16 in long 8 in wide & 6 in thick for quarter section corner

70,00 Enter River bottom course N. E & S W.

74,00 Wagon Road from Salem to upper Nemeha Settlements fr. N 80° E to S 75° W

80,00 Set Limestone rock 26 in long 12 in wide and 3 in thick for corner to sections 3, 4, 33 & 34 —

Land on west 70 chs hilly with some rock, soil second rate, East 10 chs in river bottom, I think subject to overflow by high water, soil vegetable loam, first rate all prairie

True North Boundary of Township 1 North of Range 14 East of the principal Meridian

Chains

S 89°52' E on the North boundary of sec. 3
var. 12° East

40.00 Set Limestone Rock 15 in long 10 in wide and 3 in thick for quarter section corner

55.20 Wagon Road from Salem to upper Nemaha settlements course from S 70° E to N 80°

66.00 Leave Bottom land course N. W. & S. E.

80.00 Set Limestone Rock 21 in long 12 in wide and 4 in thick for corner to sections 2, 3, 34 & 35

Land on West 66 chs level bottom I think it is subject to overflow in time of very high water, soil a vegetable loam, first rate East 14 chs rolling, soil good, second rate, all prairie

Chains

S 89°52' E on the North boundary of sec. 2
var 12° 15' East,

40.00 Set Limestone Rock 20 in long 10 in wide & 4 in thick for quarter section corner On top of ridge, 140 feet high course N & S

80.00 Set Limestone Rock 18 in long 12 in wide and 4 in thick for corner to sections 1, 2, 35 and 36

Land rolling or hilly, all prairie, soil clayey second rate,

S 89°52' E on the North Boundary of section 1
var 12° 18' East

40.00 Set Limestone Rock 20 in long 10 in wide & 4 in thick for quarter section corner

47.65 Ravine with pools of water, rocky bed course North,

True North Boundary of T 1 N of R 14 E

chains

80,00 To Township corner

Land hilly and on the East half mile somewhat rocky, all prairie soil third rate,

Sept 8th 1855

General Description of Township 1 North of Range 14 East of the Principal Meridian

The land in this Township consists for the most part of high rolling and hilly lands, with great quantity of Limestone Rock appearing on the surface of, and cropping out of the sides of the hills, in certain localities

Near the larger streams there are belts of level bottom land, in some places of considerable width and great fertility

General Description of T 1 N of R 14 East

Quite near the streams are considerable groves and belts of timber, consisting of oak, ash walnut, Hickory Elm & Cottonwood, with thick undergrowth of Hazel, wild plum, prickly ash, willow, grape & other vines

On the uplands the soil is second and third rate, in the bottoms first rate

The Township is drained by the "South Fork of Grand Nemeha River" and its tributaries. On the first mentioned stream on the N. W. quarter of section 4 there is an excellent Mill site, with natural fall of 3 or 4 feet, over Rocky bed,

I was told there is also a "coal bank" on the same quarter section,

A number of settlers have located in this Township, and it will no doubt at no distant day have a large population

Random on the North Boundary of T 2 N of R 14 East

Chains

West on Random line on the North Boundary of sections 1, 2, 3, 4, 5 and 6
var 12° 18' East
Set temporary quarter section & section corners at 40,00 and 80,00 chains, and at, 6 miles and 11 links
6,00,11 Intersected, Range line 1,60 links North of corner to Townships 2 & 3 North of Ranges 13 & 14 East,
Thence I return and establish the true line making the correction required which is 26 2/3 links per mile, to the south, giving for the course at which I must run the true line N 89° 49' E

True North Boundary of T 2 N of R 14 E

Chains

N 89° 49' E, on true North boundary of section 6
var 12° East,
40,11 Set Limestone Rock 18 in long 8 in wide & 5 in thick for quarter section corner
80,11 Set Limestone Rock 18 in long 10 in wide and 5 in thick for corner to sections 5, 6, 31 & 32
Land rolling, prairie, soil on West half mile second rate on East half mile third rate,

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N 89° 49' E on true North Boundary of sec. 5
var. 12° 15' East,
18,00 Bed of stream 3 links wide, water in pools, course N 80° W
40,00 Set Limestone Rocks 14 in long 10 in wide & 5 in thick for quarter section corner
80,00 Set Limestone Rock 20 in long 12 in wide

The North Boundary of Township 2 North

Chains

and 5 in thick for corner to sections 4, 5, 32 and 33

Land rolling - prairie - soil good second rate,

N 89°49' E on the North boundary of sec. 4

var 12° 05' East

14.90 To small Ravine. course N.E - dry

40.00 Set Limestone Rock 15 in long 12 in wide and 3 in thick for quarter section corner

80.00 Set Limestone Rock 18 in long 12 in wide and 4 in thick for corner to sections 3, 4, 33 & 34

Land rolling prairie, soil second rate,

of Range 14 East of the Principal Meridian

Chains

N 89°49' E on the North Boundary of sec. 3.

var 12° East

40.00 Set Limestone Rock 16 in long 9 in wide and 3 in thick for quarter section corner

44.40 A stream 3 lks wide course N.E.

52.70 A stream 2 lks wide course N.E.

80.00 Set Limestone Rock 24 in long 7 in wide and 5 in thick for corner to sections 2, 3, 34 and 35

Land rolling prairie

soil good second rate

"D"

Line North Boundary of Township 2 North

Chains

N 89°49' E on the line North Boundary of Section 2

var 11°55' East

12.00 A stream 3 lks wide course N.E.,

40.00 Set Limestone Rock 16 in long 9 in wide and 4 in thick for Quarter section corner

80.00 Set Limestone Rock 18 in long 12 in wide and 4 in thick for corner to sections 1, 2, 35 & 36

Land rolling prairie, soil second rate,

of Range 14 East of the principal Meridian

Chains

N 89°49' E on the North Boundary of sec., 1

var 12° 5' East

40.00 Set Limestone Rock 18 in long 12 in wide and 3 in thick for Quarter section corner

80.00 To Township corner,

Land rolling - prairie - soil good second rate,

Sept., 9th 1855

General Description of Township 2 North of Range 14 East of the Principal Meridian

This Township is drained by the North Fork of the Grand Neosha River and its tributaries, which afford a good supply of lasting water,

General Description of T 2 N of R 14 E

Near the principal streams are belts of Bottom lands - level - and very rich in soil. Many parts of these bottom lands are subject to overflow in seasons of very high water.

The general character of the streams are, clear water with gentle current, running over sand and gravel beds, in very deep channels.

Bordering the streams are groves of timber consisting of Oak Walnut, Elm ash Maple Cottonwood &c with an undergrowth of Hazel, prickly Ash, Briars weeds & vines

Away from the streams the surface is rolling and some places hilly with some Limestone Rock scattered over the surface in some places, soil good second, second & third rate. A number of settlers have located in this Township and it will support many more

Random on the North Boundary of T 3 N of R 14 E

Chains.

× West on Random on the North boundary of Sections 1, 2, 3, 4, 5 and 6 var 12° 10' East

Set temporary quarter section and section corners at 40 and 80 chs, and at 6 miles and 68 links

6,00,68 Intersected Range line 212 links North of corner to Townships 3 & 4 North of Ranges 13 & 14 East.

Thence I return, and established true line, making the corrections required which is 35⅓ links per mile to the south, giving for the course at which I must run the true line N 89° 45' East

Line North Boundary of Township 3 North

Chains

N 89°45' E on the North Boundary of Sec. 6
var 12° 20' East

5,18 A Stream 3 lks wide course South

40,68 Set Red Granite Rock 16 in long 12 in wide and 9 in thick for quarter section corner

80,68 Set Red Granite Rock 20 in long 10 in wide and 8 in thick for corner to sections 5, 6, 31 & 32

Land rolling - prairie, soil second rate

N 89°45' E on the North Boundary of Sec. 5
var. 12° 25' East,

40,00 Set Red Granite Rock 18 in long 12 in wide and 9 in thick for quarter section corner

59,60 Dry Ravine, 3 feet deep course North

of Range 14 East of the principal Meridian

Chains

80,00 Set Red Granite Rock 20 in long 12 in wide and 10 in thick for corner to sections 4, 5, 32 and 33

Land rolling prairie soil a clay loam second rate,

N 89°45' E on the true North boundary of section 4
var 12° 25' East

40,00 Set Red Granite Rock 16 in long 12 in wide and 8 in thick for quarter section corner

59,00 Enter creek bottom course N & S.

80,00 Set Red Granite Rock 18 in long 14 in wide and 8 in thick for corner to sections 3, 4, 33 & 34

Land on West 59 chs rolling soil good second rate, East 21 chains level bottom land, soil first rate, all prairie

Chains	
	The North Boundary of Township 3 North of Range 14 East of the Principal Meridian
	N 89° 45' E on the true North Boundary of ~~[illegible]~~ Section 3
	var 12° 12' East
40,00	Set Red Granite ~~Rock~~ 17 in long 12 in wide and 8 in thick for quarter section corner
47,00	Leave creek bottom. course N & S —
72,20	Cold Spring in Ravine 15 ft deep. course N. E.
80,00	Set Red Granite Rock 16 in long 12 in wide and 4 in thick for corner to sections 2, 3, 34 and 35 —
	Land on West 47 chains level bottom land — soil first rate, vegetable loam — on East 33 chains rolling — soil second rate all prairie

Chains	
	Omitted in copy
	N 89° 45' E on the North boundary of sec. 2
	var 12° 10' East,
0,00	Enter creek bottom course N & S, E
14,40	North Fork of Muddy Creek 10 lks wide water 15 in deep — clear with gentle ~~[illegible]~~ current, over mud bed, banks of earth 15 feet high, course S 10° E
24,00	Ravine with pools of water, course N, E
28,50	To second crossing of above Ravine course S, W
40,00	Set Grey Granite Rock 15 in long 12 in wide and 3 in thick for quarter section corner
75,75	A Ravine — dry — 25 lks wide, 5 ft deep course S, W
80,00	Set Grey Granite Rock 16 in long 9 in wide and 3½ in thick for corner to sections 1, 2, 35 and 36
	Land on West 14,40 chs level creek bottom soil first rate, East 65 chs rolling — soil second rate, all prairie — a very few Maple, Elm & cottonwood trees near the creek

Line North Boundary of T 3 N of R 14 East

Chains

N 89°45' E on the North Boundary of sec. 1
Var 12° 10' East

14,50 Indian trail course N. E & S. W
27,30 A Stream 8 lks wide course S 20° W
40,00 Set Grey Granite Rock 15 in long 9 in wide and 3½ in thick for quarter section corner
80,00 To Township corner,

Land rolling, prairie, soil second rate

Sept 10th 1855

General Description of Township 3 North of Range 14 East of the Principal Meridian

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This Township consists almost wholly of elevated rolling prairie lands. Drained by the head waters of

General Description of T 3 N of R 14 E

"Muddy Creek" a series of small streams and swales,

There is scarcely any timber in the Township, occurring only in very small detached groves and thickets that have been very much injured by the prairie fires. The timber is Oak, Walnut, Elm, Hickory, Willow &c

I find no stone except a few Granite Boulders on the surface

The soil will average about second rate,

There does not appear to have been any claims made yet in this Township,

General Description of T. 4 N of R 14 E

This Township like the last - is composed of high rolling Prairie lands, ~~and the~~ dividing the waters of Muddy creek and Little Nemaha River, The South part of the Township being drained by the former, and the North part by the tributaries of the latter.
There are a few thickets and very small groves of timber consisting of Oak Walnut Hickory Elm Maple &c
The soil will average about second rate
I find no stone except a few Granite Boulders on the surface
No settlers visible

We hereby certify that we assisted William N. Byers, Deputy Surveyor, in surveying the exterior boundaries of the following Townships - to wit. The East and North boundaries of Townships one, two and three North of Ranges Twelve Thirteen and Fourteen East; and the East boundaries of Townships Four North of Ranges Twelve, Thirteen and Fourteen East, of the Principal Meridian - and that the boundary lines of said Townships, have been in all respects to the best of our knowledge and belief well and faithfully surveyed and the boundary monuments planted according to the instructions furnished by the Surveyor General.

James, W. M'Elvain Chainman
John Nevitt - Chainman
Daniel Hamilton - Axman

Subscribed and sworn by the above named persons, before me, Clerk of the district court for the first Judicial district of the Territory of Nebraska, this 15th day of September 1855

J. W. Paddock
Clerk of District Court

I hereby certify that I assisted William, N. Byers deputy Surveyor, in surveying the exterior boundaries of the following Townships - to wit The East and North Boundaries of Townships One, Two and Three North of Ranges Twelve Thirteen and Fourteen East; and the East boundaries of Townships Four North of Ranges Twelve Thirteen and Fourteen East of the principal Meridian - And that the boundary lines of said Townships have been in all respects, to the best of my knowledge and belief, well and faithfully surveyed, and the boundary monuments planted according to the instructions furnished by the Surveyor General

Amos Mills Flagman

Subscribed and sworn to by the above named person before me, Clerk of the District

Court of the first Judicial District of the Territory of Nebraska, this 17th day of September 1855,

J. W. Paddock
Clerk of District Court

I, William N. Byers - deputy Surveyor, do solemnly swear that, in pursuance of a contract with John, Calhoun, Surveyor of the public lands of the United States in the Territory of Nebraska, bearing date the Tenth day of August 1855, and in strict conformity to the laws of the United States, and the instructions furnished by the said Surveyor General, I have faithfully surveyed the East and North boundaries of Townships One, Two and Three North; of Ranges, Twelve, Thirteen and Fourteen East; and the East boundaries of Townships Four North; of Ranges, Twelve Thirteen and Fourteen East of the principal Meridian - in the Territory aforesaid, and do further solemnly swear that the foregoing are the true and original field notes of such survey

William, N. Byers
Deputy Surveyor

Subscribed by said William A Byers, deputy Surveyor, and sworn to before me, Clerk of the District Court, of the First Judicial District of the Territory of Nebraska, this 17th day of September 1855,

Jno. W. Paddock
Clerk of District Court

Surveyors Office at Wyandott K.T.
November 2. 1855.

The foregoing field notes of the Survey of the exterior boundaries of Townships No. 1. 2. 3 and 4 North, of the Base line, of Ranges No. 12. 13 and 14 East, of the 6th principal meridian, except the West boundary of Range No 12. executed by William A. Byers, under his contract of the 10th day of August 1855. in the months of August and September 1855. having been critically examined, the necessary corrections and explanations made, the said field notes and the Surveys they describe are hereby approved.

J. Calhoun
Surveyor General

General Land Office • Original Field Notes

Book Number

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The images in this file are photographs of the notes of the original surveys of the State of Nebraska on file in the Office of the Nebraska State Surveyor located in Lincoln, Nebraska.

The original surveys in Nebraska began in the mid 1850's and were completed in the mid 1880's. The Nebraska office of the Surveyor General was closed June 30, 1886.