General Land Office • Original Field Notes

Book Number

152

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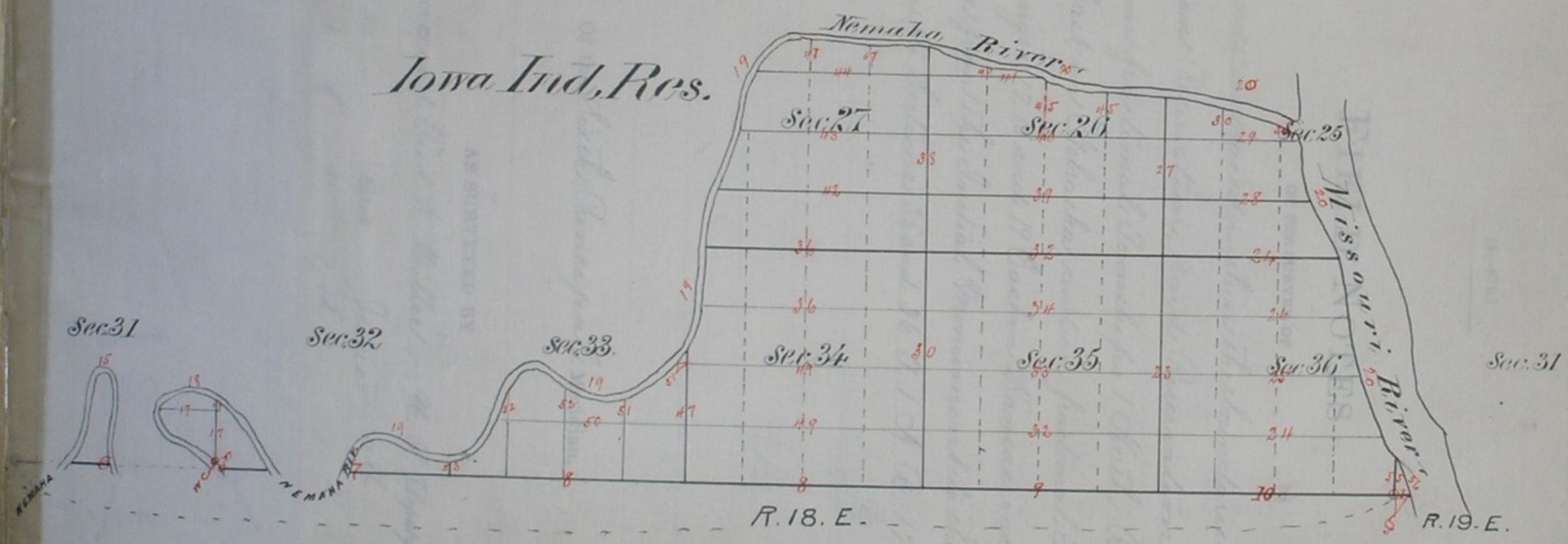
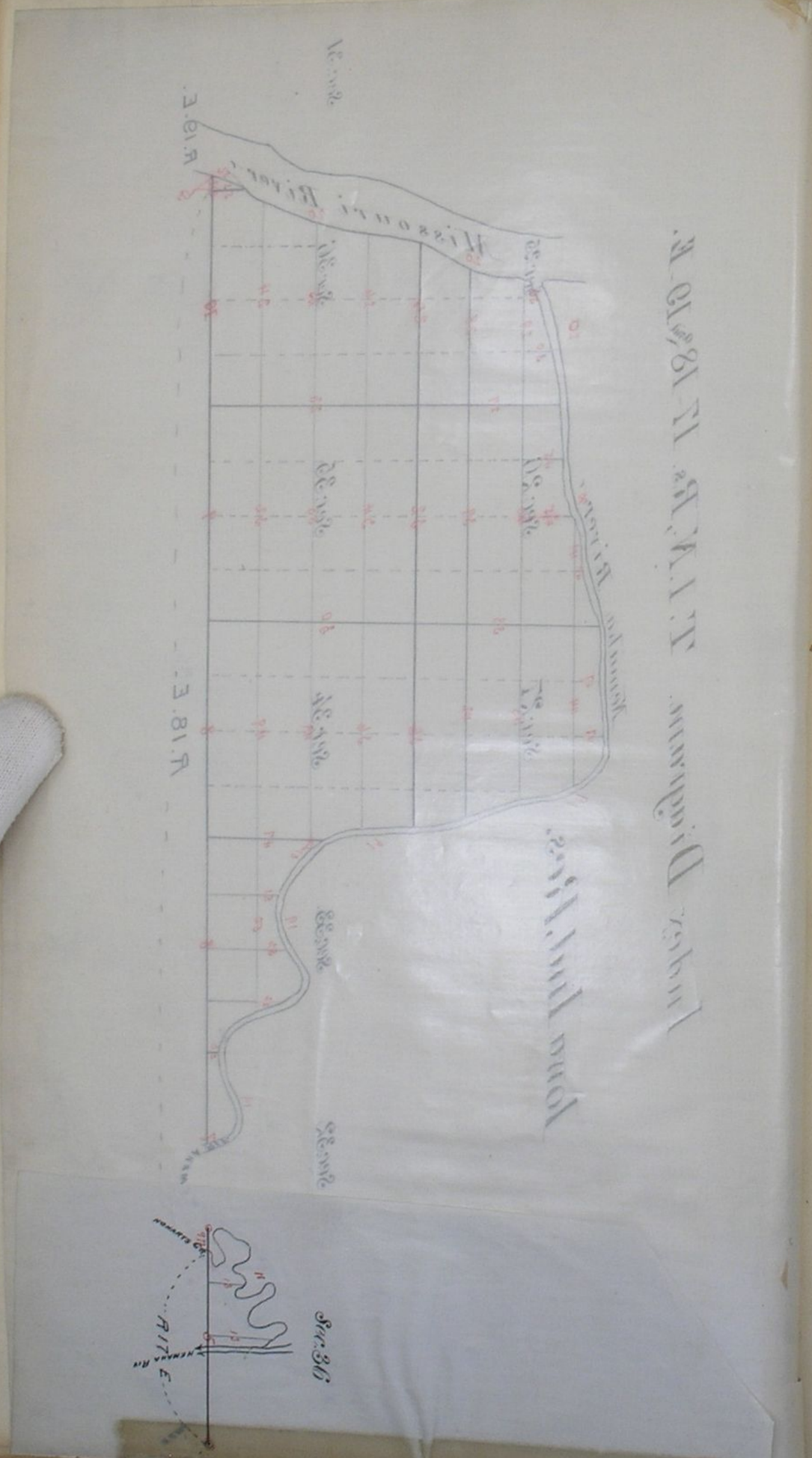
The original surveys in Nebraska began in the mid 1850's and were completed in the mid 1880's. The Nebraska office of the Surveyor General was closed June 30, 1886.

Index Diagram. T. 1. N., Rs. 17-18 and 19 E.





(4—679.)

FIELD NOTES

OF THE SURVEY OF

All the lands embraced within the boundaries of the Iowa Indian Reservation, said Reservation being situated in fractional Townships 1 North Ranges 17, 18 and 19 East, in Nebraska, and in fractional Townships 1 South Ranges 17, 18 and 19 East in Kansas, including Base Line from the Initial Monument to the Standard Corner to Sections 35 and 36 T. 1 N. R. 17 E.

Of the Sixth Principal Meridian,

AS SURVEYED BY

David D. Pearis and Fred W. Miller, U. S. Deputy Surveyor,

Under ~~his~~ their Contract No. ....., dated June 9th, 1890.

Survey commenced October 4th, 1890.

Survey completed November 29th, 1890.

(8780—2,000.) 6—151

Names and Duties of Assistants.

S. H. Schuyler
R. T. Black
A. M. Mullins
C. Frank Reavis } Chainmen

J. B. Stouffer — Axman

Wm R. McCullough — Flagman

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Original.

Preliminary Oaths of Assistants.

We, S. H. Schuyler, R. T. Black, A. M. Mullins and C. Frank Reavis

do solemnly swear that we will well and faithfully execute the duties of chain carriers; that we will level the chain over even and uneven ground, and plumb the tally-pins either by sticking or dropping the same; that we will report the true distance to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us in the survey of the Iowa Indian Reservation

S. H. Schuyler, Chainman.
R. T. Black, Chainman.
A. M. Mullins, Chainman.
C. Frank Reavis, Chainman.

Subscribed and sworn to before me this 2d day of October, 1890.

G. W. Marsh
County Clerk

Seal.

We, J. B. Stouffer and Wm R. McCullough

do solemnly swear that we will well and truly perform the duties of axemen and flagmen in the establishment of corners and other duties, according to instructions given us, and to the best of our skill and ability, in the survey of the Iowa Indian Reservation

Subscribed and sworn to before me this 2d day of October, 1890.

J. B. Stouffer, Axeman.
Wm R. McCullough, Flagman ~~Axeman~~.

Geo. W. Marsh
County Clerk

Seal.

Seal

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INDEX DIAGRAM.

Township....., *Range*.....

6	5	4	3	2	1
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Base Line through Range 18 E.

Observations taken with Wm. L. E. Gurley Transit No. 87 the same being in proper adjustment at 12.23 O'clock A.M. October 4th 1890 With Zeta of Great Bear below and Polaris above the Meridian both being in the same Vertical plane. I found by observation the Variation to be 10° 34' E. Observation taken at the Cast Iron Monument the same being the Initial point of Surveys for Kansas and Nebraska.

Beginning at the Cast Iron Monument the same being the Initial point of Surveys for Kansas and Nebraska; Said Monument being on the 40th Parallel of North Latitude, and the point where the same crosses the top of the bluff on the west bank of the Missouri River at 6.11 chains west of the right bank of the Missouri River as the same now runs. From said Monument a Black Oak 22 ins in diam bears N 66 links marked B.T.R. 18 E. T1 N. S. 36 Black Oak 32 ins in diam bears S 44° E 114 lks distant marked B.T.- Black Oak 20 ins in diam bears S 14° W. 50 lks distant marked B.T.R. 18 E T1 S. S1.— 4 Stones each about 24 x 12 x 3 ins and each set on a flat rock; these stones are at the cardinal points of the compass, distant from a point under center of Monument 10 feet; there is the appearance of a trench having been dug connecting said stones.

At 8 O'clock A.M. I proceed to lay off an Angle from the true Meridian as found by said observations of 90° to the West and with two back sights and two fore sights at each setting of the Instrument I run a Tangent to said 40th Parallel as follows to wit

West near S. boundary of Sec. 36 T1 N.R. 18 E.

Base Line through Range 18 E.

Va. 10° 34' E.

3.95 Ravine bears Northeast
14.50 Top of ridge bears N and S.
20.00 Set temporary 1/16 Cor.
33.00 Spring Branch. Course N.E.
40.00 Set temporary 1/4 Cor.
59.00 Leave timber enter prairie
60.00 Set temporary 1/16 Sec. Cor.
70.50 Enter Cornfield
80.00 Set temporary Cor. to Secs. 35 and 36 T. 1 N. R. 18 E.
Land very hilly broken and bushy 60chs, rolling Prairie and cultivated fields 20chs. Timber scattering Scrub Oak and Hickory, undergrowth Oak & hazel very dense. Soil 1st rate.

At 1 Mile
S 89° 59' W. on tangent to parallel
Va 10° 49' E.

.50 Leave cornfield enter prairie
2.50 Wagon Road leading to White Cloud
3.50 Enter Wheat field.
10.50 Enter Gully course S.
20.00 Set temporary 1/16 Sec. Cor.
34.00 Wagon Road to White Cloud.
39.00 Wire fence inclosing Indian burying Ground.
40.00 Tem 1/4 Sec. Cor.
48.00 Enter timber and heavy underbrush bears N.
60.00 Tem 1/16 Cor.
66.00 Enter Cornfield N and S.
74.00 Enter Prairie NW and SE.
78.00 Enter Brush.
80.00 Tem Cor to Secs 34 and 35.
Land rolling 62 chs. Timber Oak, Hickory and Elm, undergrowth same and hazel 18chs. Soil 1st rate.
At 2 Miles
S. 89° 59' W. On tangent to Parallel.
Va 11° 04' E.

12.00 Head of Ravine course S. 85° W.
16.00 Enter cornfield North
19.50 Enter Agency yard.
20.00 Set tem 1/16 Cor. from which Agency building is N. 1 chain.

Base Line through Range 18 E.

October 4th 1890.

22.00 Enter Timber
28.00 Ravine Course S. 15° W.
38.25 Ravine " South
40.00 Temp 1/4 Sec Cor
40.50 Gully 30 ft deep South
46.25 Narrow strip of prairie N and NW.
54.00 Ravine Course S. 30° W.
60.00 Temp 1/16 Cor.
67.50 Center of Gully 40 ft. deep. Course NW & SE.
70.00 Enter Prairie
74.00 Enter timber
80.00 Temp Cor to Secs. 33 and 34.
Land hilly and broken. Timber Bur Oak, Bl Oak, Hickory and Elm, undergrowth same and Hazel brush Very dense. Soil 1st rate.

October 6th 1890

At 3 Miles
S 89° 58' W On tangent to the Parallel
Va. 11° 19' E.

3.50 Edge of narrow strip of prairie
7.50 Enter Timber
10.25 Gully 30 ft deep Course North
12.00 Enter cornfield
20.00 Temp 1/16 Sec. Cor.
31.50 Enter Roys Creek bottom
40.00 Temp 1/4 sec. Cor
42.70 Center of Roys Creek course North
43.00 Enter Nemaha Bottom
60.00 Temp 1/16 Sec Cor in wet bottom
62.50 Leave wet bottom
80.00 Temp Cor to Secs 32 and 33.
Land scrubby Timber and dense undergrowth of Hazel brush 12 chs. 68chs undulating upland and bottom. Soil 1st rate.

At 4 Miles
S 89° 57' W. On tangent to the Parallel
Va 10° 34' E.

20.00 Temp 1/16 Sec Cor
35.00 Right bank of Nemaha Course N 15° E. Set temp M. C.
38.50 Left Bank of Nemaha Set temp M. C.

Base Line through Ranges 17 and 18 E.

40.00 Temp 1/4 Sec. Cor.
58.45 Left bank of Nemaha River again Set temp M. C.
61.00 Right bank of Nemaha River Set temp M. C.
79.16 Right bank of Nemaha River. Set temp N and M. C.
80.00 At Waters Edge low water mark.
Land bottom Prairie Soil 1st rate

At 5 Miles
S. 89° 56' W. On Tangent to the Parallel.
Var. 10° 34' E.

2.00 Left bank of Nemaha River Set temp M. C.
20.00 Set temp 1/16 Sec. Cor.
33.90 Left bank of Nemaha River again Set temp M. C.
36.45 Right bank of Nemaha River Set temp M. C.
40.00 Set temp 1/4 sec. cor.
48.75 Right bank of Nemaha River Set temp M. C.
51.00 Left bank of Nemaha River Set temp M. C.
60.00 Set temp 1/16 Sec. Cor.
65.00 Enter timber.
80.00 Set temp Cor. to Secs 31 & 36 T. 1 N. Rs 17 and 18 E.
Land - bottom Prairie Soil 1st rate.
October 7th 1890.

At 6 Miles
S. 89° 56' W. On tangent to the parallel.
Var 11° 34' E.

17.50 Opening in Timber
20.00 Temp. 1/16 Sec. Cor.
27.00 Enter timber
31.75 Left bank of Nemaha River (which I ford; the water being very low, about 18 inches deep)
34.85 Right bank of Nemaha River
40.00 Temp 1/4 Sec. Cor.
45.00 Leave Nemaha bottom, enter brushy upland.
60.00 Set temp 1/16 Sec. Cor.
70.28 Right bank of Noharts Creek
70.73 Left bank of Noharts Creek
80.00 Int. N and S. line 65 lks South of the Cor to Secs. 35 and 36 T. 1 N. R. 17 E. Said Corner being a Limestone 20 x 8 x 4 ins. marked S. C on North side, with 1 notch on East and 5 notches on West. I then proceed to make the required offset from Tangent to the Parallel going

South Boundary T. 1 N. R. 17 E.

East on S. boundary of Sec. 36 T. 1 N. R. 17 E.
The return course of Parallel is S 89° 58½' E.
Var. 11° 34' E.

9.72 On Parallel - Right bank of Noharts Creek by offset from Tangent 63½ lks. I set a Limestone 24 x 14 x 3 ins. 18 inches in the ground for Meander Cor. to frac Sec. 36 T. 1 N. R. 17 E. marked S. M. C. on E. face from which an Elm 24 ins in diameter bears N. 14° E. 21 lks. dist. marked T. 1 N. R. 17 E. Sec. 36 S. M. C. B. T. An Elm 6 ins in diam bears S. 20° W. 20 Lks. dist. marked T. 1 S. R. 17 E. S 1 S. M. C. B. T.
20.00 From tem 1/16 Cor I run North 61 lks and set a Limestone 16 x 8 x 8 ins. 12 ins in the ground, marked S. C. 1/16 on N. face; dug pits 18 x 18 x 12 ins E and W of Stone 5½ ft. distant and raised a mound of earth 1½ ft. high 3½ ft. base alongside.
40.00 From tem 1/4 Cor. I run North 62 lks. Set a Limestone 20 x 12 x 3 ins 15 ins in the ground marked S. C. 1/4 on N. side dug pits 18 x 18 x 12 ins E and W of Stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.
45.15 From tem M. C. to frac. Sec. 36 I run North 57 lks; Set a Limestone 16 x 12 x 3 in 11 ins in the ground for Meander Cor. to frac. Sec. 36 marked S. M. C. on E face from which a Sycamore 16 in diam bears N. 75° E 28 lks distant. Marked T. 1 N. R. 17 E. S 36 S. M. C. B. T. An Elm 14 ins in diam bears S. 11° E. 28 lks. distant marked T. 1 S. R. 17 E. S 1 S. M. C. B. T.
60.00 1/16 Cor on N. side of Nemaha River
80.00 Cor. to Secs. 36 and 31 T. 1 N. Rs 17 and 18 E on N. side Nemaha River. October 8th 1890

S. boundary of Sec. 31 T. 1 N. R. 18 E.
S. 89° 58½ E.
Var. 11° 34' E.

20.00 1/16 Cor. on N. side of Nemaha River
29.00 Left bank of Nemaha River
Righ bank of Nemaha River offset

from Tangent to Parallel 45 3/4 links, at
31.25 Set Limestone 28 x 14 x 4 ins 21 ins in ground for Meander Cor. to frac. Sec. 31 marked S. M. C. on W. face Sec. 31 T. 1 N. R. 18 E. on N face - dug pits 3 feet square 1 ft deep 8 lks E. of stone and raised a mound of earth 2 ft. high 4 1/2 ft. base alongside.

40.00 From tem 1/4 Cor I run North 44 1/2 lks set Limestone 16 x 12 x 4 ins 11 ins in ground marked S. C. 1/4 on N face. dug pits 18 x 18 x 12 ins E and W of Stone 5 1/2 ft. distant and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base alongside.

43.55 From tem. M. C. on right bank of Nemaha River I run North 43 links.
Set Limestone 22 x 12 x 4 ins 16 ins in the ground for S. M. C. to frac. Sec. 31 T. 1 N. R. 18 E. marked S. M. C. on E face, from which an Elm 12 ins in diam. bears S. 7 1/2° E. 128 lks. dist. marked T. 1 S. R. 17 E Sec. 1 S. M. C. B. T. A maple 12 ins in diam bears N. 46° E. 99 lks dist. marked T. 1 N. R. 18 E. Sec. 31 S. M. C. B. T.

46.10 Left bank of Nemaha River.

60.00 1/16 Cor. on N. side of Nemaha River

78.00 Left bank of Nemaha River.

80.00 The place for Cor. to Secs. 31 and 32 falling in the river, I run E. 84 lks. to right bank of Nemaha River (The water being so shallow I can ford the same) Thence I run North 38 lks from Tangent to Parallel and set a Limestone 14 x 9 x 4 ins 10 ins in the ground for W. C. to frac Secs 31 and 32 T. 1 N. R. 18 E. marked S. C. W. C. on W face with 2 notches on W. side and 4 notches on E. side from which a Cottonwood 16 ins in diam bears N. 38 1/2 W. 67 lks distant marked T. 1 N. R. 18 E. S. 32 S. W. C. B. T. A Cottonwood 20 ins in diam bears S. 16° E. 126 lks dist marked T. 1 S. R. 18 E

S 6 S. W. C. B. T.

Thence from W. C. to Secs. 31 and 32
S. boundary of Sec. 32 T. 1 N. R. 18 E. S 89° 58 1/2' E
Va. 11° 34' E.

19.00 Right bank of Nemaha River at tem M. C. I run North. 35 lks. Set charred Maple Post 4 x 4 ins by 4 feet 24 ins in the ground for S. M. C. to frac. Sec. 32 T. 1 N. R. 18 E. marked S. M. C. on E face. M. C. T. 1 N. R. 18 E. on N. face S 32 on W. face and dug pit 3 ft. square by 1 ft deep. 8 lks west of post and raised a mound of earth 2 ft high 4 1/2 ft base around post.

21.55 Left bank of Nemaha River

40.00 1/4 Cor. N. of Nemaha River

41.50 Left bank of Nemaha River

45.00 Right bank of Nemaha River at tem M. C. I run North 32 1/2 lks. Set Limestone 16 x 16 x 2 ins 11 ins in the ground for S. M. C. to frac Sec. 32 T. 1 N. R. 18 E. marked S. M. C. on W. face - from which a Cottonwood 24 ins in diam. bears N. 12 1/2° West 34 lks. dist marked T. 1 N. R. 18 E. S. 32 S. M. C. B. T. - A Cottonwood 24 ins in diam bears S. 51° W. 72 links dist. marked T. 1 N. R. 18 E S 5 S. M. C. B. T.

60.00 Tem 1/16 Cor I run North 30 links, Set a Limestone 16 x 12 x 6 ins 11 ins in the ground marked S. C. 1/16 on N. face dug pits 18 x 18 x 12 ins. E and W of Stone 5 1/2 ft. distant and raised a mound of earth 1 1/2 ft high 3 1/2 ft base alongside.

80.00 From tem Cor. to Secs 32 and 33 T. 1 N. R. 18 E. I run North 27 links. Set charred Red Elm post 4 ft long 5 inches square 24 ins in the ground for S. C. to Secs 32 and 33 Marked S. C. T. 1 N. R. 18 E on N. face S. 33 on W. and S. 34 on E faces with 2 notches on W. and 4 notches on E. faces dug pits 18 x 18 x 12 ins N. E. and W. of post 5 1/2 ft dist and raised a mound of earth 2 ft high 4 1/2 ft base around post.

October 9th 1890.

S boundary of Sec. 33. S. 89° 58½' E
Va 11° 19' E.

20.00 From Cor 1/16 Cor I run North 24¾ links set charred Red Elm Post 4 ft long 4 ins square 24 ins in the ground, marked S.C. 1/16 on N face - dug pits 18 X 18 X 12 ins E and W of Post 5½ ft dist and raised a mound of earth 2 ft high 4½ ft base around post.

40.00 From Cor 1/4 Cor I run North 22½ links Set Black Walnut post 4 ft long 4 ins square with charred stake 24 ins in the ground for 1/4 S.C. Marked S.C. 1/4 on N face - dug pits 18 X 18 X 12 ins E and W of post 5½ ft distant and raised a mound earth 1½ ft high 3½ ft base around post.

60.00 From Cor 1/16 Cor I run North 20¼ lks Set charred Red Elm post 4 ft long 5 ins square with charred stake, 24 ins in the ground for 1/16 Stand. Cor. Marked S.C. 1/16 on N. face, dug pits 18 X 18 X 12 ins E and W. of post 5½ ft dist and raised a mound of earth 1½ ft high 3½ ft base around post.

80.00 From Cor. to Secs 33 and 34 - I run North 18 lks. Set Limestone 14 X 8 X 6 for Stand Cor to Secs 33 and 34 Marked S.C. with 3 notches on E and W. sides from which a Red Elm 8 ins in diam. bears N. 28° E. 8 lks. dist. marked T. 1 N. R. 18 E. S. 34 B.T. a red Elm 8 ins in diam bears N 70° W 38 lks. dist marked T. 1 N. R. 18 E S 33 B.T. A Lynn 12 ins in diam bears S. 15° E 93 lks dist marked T. 1 S. R. 18 E. S. 3 B.T.

S. boundary of Sec 34 S 89° 58½' E.
Va 11° 04' E.

20.00 From Cor 1/16 Cor. I run North 16 links Set Limestone 15 X 12 X 3 ins. 10 ins in the ground for 1/16 Stand. Cor. marked S.C. 1/16 on N face, from which a Horn Bean 8 ins in diam bears W. 19 lks dist marked S.C. 1/16 S.B.T. A White Elm 8 ins in diam bears S. 5 lks.

distant marked T. 1 N. R. 18 E. S.C.
From Cor 1/4 Cor. I run North 14 links Set a Limestone 24 X 16 X 6 ins 18 ins in the ground for 1/4 Stand Cor. marked S.C. 1/4 on N face, from which a R. Hawe 6 ins in diam. bears N. 80° W. 65 lks. dist. marked S.C. 1/4 S.B.T. A Horn Bean 6 ins in diam bears S. 50° W. 37 lks. dist marked T. 1 N. R. 18 E. S.C.

60.00 From Cor 1/16 Cor. I run North 12 links Set Limestone 20 X 15 X 12 ins. 15 ins. in the ground for 1/16 Stand Cor. Marked S.C. 1/16 on N face from which a Bl Oak 36 ins in diam. bears N. 86 lks. dist. marked S.C. 1/16 S.B.T. A Wild Cherry 12 ins in diam. bears N. 42° E. 73 lks. dist. marked S.C. 1/16 S.B.T.

80.00 From Cor to Secs 34 and 35 I run North 10 links. Set a Limestone 18 X 14 X 4 ins. 12 ins. in the ground for Stand Cor. to Sections 34 and 35, Marked S.C. with two notches on E. and 4 notches on W. sides, dug pits 18 X 18 X 12 ins N.E. and W. of Stone 5½ ft dist. and raised a mound of earth 2 ft high 4½ ft base alongside.

S. boundary of Sec. 35 S. 89° 58½' E.
Va. 10° 49' E.

20.00 From Cor 1/16 Cor. I run North 8½ links Set a Limestone 18 X 14 X 2 ins (deposited Iron Pin 1 X 8 ins) 12 ins in the ground for Stand 1/16 Cor. marked S.C. 1/16 on N. face, from which a Black Oak 6 ins in diam bears S. 18° E. Marked T. 1 N. R. 18 E. 1/16 S.C. A Bl Oak 8 ins in diam bears S. 70° E. 35 lks. distant Marked T. 1 N. R. 18 E. 1/16 S.C.

40.00 From Cor 1/4 Cor I run North 7 links Set a Limestone 15 X 12 X 3 ins - 18 ins in the ground for Stand 1/4 Cor. Marked S.C. 1/4 on N. face. dug pits 18 X 18 X 12 ins E and W. of stone 5½ ft distant, and raised a mound of earth 1½ ft high 3½ ft base alongside.

60.00 From Cor 1/16 Cor. I run North 5½ lks

South Boundary T. 1 N. R. 18 E.

Set a Limestone 14X10X4ins 10ins in the ground for Stand 1/16 Cor. marked S.C. 1/16 on N face, dug pits 18X18X12 ins E and W. of Stone 5½ ft. dist. and raised a mound of earth 1½ ft high 3½ ft base alongside

80.00 From tem Cor. to Secs. 35 and 36, I run North 4 links, Set a Limestone 20X16X2 ins 15 ins in the ground for Stand. Cor. to Secs. 35 and 36 marked S.C. with 1 notch on E and 5 notches on W sides. dug pits 18X18X12 ins N E and W. of Stone 5½ ft. distant, and raised a mound of earth 2 ft. high 4½ ft. base alongside.

S. boundary of Sec. 36 S 89° 58½' E.
Var. 11° 34' E.

20.00 From tem 1/16 Cor. I run North 3 links Set a Limestone 14X10X4 ins. 9 ins in the ground for Stand 1/16 Cor. Marked S.C. 1/16 on N. face from which an Indian Hut bears N. 10° E. 8 links. dist. Pits impracticable.

40.00 From tem 1/4 Cor. I run North 2 links Set a Limestone 14X14X3 ins, 9 ins in the ground for Stand 1/4 Cor. Marked S.C 1/4 on N face from which a Black Oak 16 ins in diam. bears S. 15° E. 50 lks. dist. Marked T. 1 N. R. 18 E 1/4 S.C. A. Bl Oak 18 ins in diam. bears S. 44° E. 46 lks. dist. Marked T. 1 N. R. 18 E. 1/4 S.C.

60.00 From tem 1/16 Cor. I run North 1 link Set a Limestone 14X12X3 ins. 9 ins in the ground for Stand 1/16 Cor. Marked S.C. 1/16 on N face. dug pits 18X18X12 ins E and W. of Stone 5½ ft distant and raised a mound of earth 1½ ft high x 5½ ft base alongside.

80.00 At the Initial Monument.

October 10th 1890.

Meanders of Noharts Creek from the Base Line to its mouth and the Nemaha River to the Base Line in Sec. 36 T. 1 N. R. 17 E.

Courses	Distances	
N. 60° E.	1.00	
N. 89° E.	3.60	
N. 13° E.	2.80	
N. 38½° W.	3.70	
N. 58° W.	1.70	
S. 87½° W.	1.70	
S. 45½° W.	1.50	
S. 16½° W.	1.80	
S. 34½° W.	1.70	
S. 84° W.	2.40	
N. 82¾° W.	3.00	
N. 11½° E.	2.60	
N. 19¾° E.	3.30	
N. 36¼° E.	4.00	
N. 12¼ E.	3.10	
N. 63½° E.	1.40	
S. 82° E.	2.90	
S. 55° E.	3.70	
S. 15° E.	4.60	
N. 89° E.	2.40	
N. 28° E.	4.00	
N. 72° E.	1.07	at M.C. on 1/16 line.
S. 30° E.	3.50	
S. 70° E.	1.70	
N. 85¾° E.	3.30	
N. 13¾° E.	2.10	
N. 24° W.	2.10	
N. 21¾° W.	4.70	
N. 49¾° W.	1.60	
N. 63¾° W.	3.00	
N. 21° W.	1.60	
N. 64¾° E.	3.70	
S. 65° E.	2.40	
S. 29° E.	8.00	
S. 54¼° E.	3.20	
East	2.40	169 98
N. 65° E.	2.30	
N. 35½° E.	3.30	
N. 01° E.	2.20	
N. 15° W.	2.20	
N. 39° W.	2.70	
	98.90	

T. 1 N. R. 17 E.

Courses	Distances	
N. 49¼° W.	2.90 (98.80)	
N. 30½° W.	1.60	
N. 47¼° E.	2.30	
S. 65¼° E.	5.40	at M. C. on ¼ line
S. 46° E.	2.50	
S. 8° E.	2.30	
N. 87° E.	2.60	mouth of Creek
S. 1½° E.	22.00 (140.50)	at M. C. on Base Line

October 11th 1890.

Latitudes, Departures, and Closing Errors.

Line designated as	True Bearing	Distances	Latitudes N.	Latitudes S.	Departures E.	Departures W.
S. boundary	N. 89° 58' W.	chains 35.43				35.43
W. boundary	Meanders	126.17	52.61	27.13	55.53	25.62
N. boundary	Meanders	7.40	.14	4.01	4.72	
E. boundary	S. 4° E.	22.00		21.99	.58	
Convergency					.00	
Totals			52.75	53.13	60.83	61.05
				52.75		60.83
Error in Latitude				.38	Error in Departure	.22

This fractional township is bottom and 2d bottom or table land, is densely covered with brush and scattering timber. Soil 1st rate.

T. 1 N. Range 17 E.

From the 1/16 Cor on Base Line in N. ½ of Sec. 36 I run North 0° 1' W.
Va 11° 34' E.

12.36 Right bank of Nohart's Creek. Set Ash post 4 ft. long 4 ins square with charred stake 24 ins in the ground, for M. C. to frac 1/16 Sec. 36, marked M. C. 1/16 on N face, T. 1 N. on S. R 17 E. S 36 on E faces; from which a Maple 12 ins in diam bears S. 72° E 21 lks dist marked T. 1 N. R. 17 E. S 36 M. C. B. T.
A Maple 16 ins in diam bears N 85° W. 45 lks dist Marked T. 1 N. R. 17 E. S 36 M. C. B. T.

From the ¼ Cor on Base Line in Sec. 36 I run N. 0° 1' W on a true line.
Va. 11° 34' E.

20.00 Set Ash post 4 ft long 4 ins square with charred stake, 24 ins in the ground for 1/16 Sec. Cor. marked 1/16 on W. face. dug pits 18 x 18 x 12 ins N. & S of post 5½ ft. dist and raised a mound of earth 1½ ft high 3½ ft base around post.

25.51 Right bank of Nohart Creek. Set Locust post 4 ft long, 4 ins square, with charred stake 24 ins in the ground for M. C. to frac ¼ Sec. 36; Marked M. C. 1/16 on N face T. 1 N. on S. R. 17 E Sec. 36 on E. faces; from which a Maple 24 ins in diam bears N. 10° E. 35 links dist. Marked T. 1 N. R. 17 E. S. 36 M. C. B. T.
A Maple 10 ins in diam bears S. 50° W. 25 lks. dist. Marked T. 1 N. R 17 E. Sec. 36 M. C. B. T.

October 11th 1890.

This fractional township is bottom and 2d bottom or table land, is densely covered with brush and scattering timber. Soil 1st rate.

Meanders of Nemaha River in Sec. 31 T. 1 N. R. 18 E.
Beginning at Meander Corner on Base Line on right bank of Nemaha.

Courses	Distances	
N. 16° E.	3.60	
N. 28¼° E.	8.00	
N. 13½° E.	2.90	
N. 7¼° E.	16.10	
N. 39¼° E.	3.00	
S. 75½° E.	4.20	
S. 33° E.	4.10	
S. 01½° E.	5.90	
S. 5¾° W.	4.50	
S. 12¾° W.	11.70	
S. 6¾° W.	5.30	At M.C. on B. Line.
	69.30	

October 13th 1890.

Exteriors of frac township 1 N. R. 18 E. detached part in S. 31.

Latitudes, Departures, and closing errors.

Line designated &c.	True Bearing	Distances	Latitudes N.	Latitudes S.	Departures E.	Departures W.
S. boundary	N. 89° 58' W.	chs. 12.30	.00			12.30
W. N. and E. boundary	Meanders		31.62	31.54	15.84	3.66
Convergency					.00	
			31.62	31.54	15.84	15.96
		Totals	31.54			15.84
	Error in Latitudes		.08	Error in Dep.		.12

Bend of Nemaha Secs 31 and 32 T. 1 N. R. 18 E.

From the Witness Cor to Secs 31 and 32 T. 1 N. R. 18 E. on right bank of Nemaha River. I run down Stream N. 32° W. 1.61 chains. Latitude 1.37 Departure 84 lks and at

1.37 Set charred Ash post 4 ft long, 4 ins square 24 ins in the ground for M. C. to frac. Secs 31 and 32. Marked M. C. Sec. 31 on N. face, T. 1 N. on N. Range 18 E. S 32 on E faces. dug a pit 3 ft square. 1 ft deep 8 lks E of post and raised a mound of earth 2 ft high 4½ ft base around post.- Thence I run N 0° 4' W. on a true line bet Secs 31 and 32

Va 11° 34' E.

20.00 Set charred Ash post 4 ft long 4 ins square 24 ins in the ground for 1/16 Sec. Cor, marked 1/16 S on N. side dug pits 18 X 18 X 12 ins N and S. of post 5½ ft dist, and raised a mound of earth 1½ ft high, 3½ ft base around post.

22.50 at right bank of Nemaha River. Set Ash post 4 ft long 4 ins square 24 ins in the ground for M. C. to frac Secs 31 and 32, marked M. C. on N. face T. 1 N. on S. Range 18 E. S 32 on E. and Sec. 31 on W. sides. - dug a pit 3 ft square 1 ft. deep 8 lks S of post, and raised a mound of earth 2 ft. high 4½ ft base around post.

From 1/16 Cor between Secs 31 & 32 I run N 89° 58½' W parallel to base line.

Va 11° 34' E.

18.50 At right bank of Nemaha River, Set Ash post 4 ft long 4 ins square, 24 ins in the ground for 1/16 M. C. marked M C. on West face T. 1 N. on N. Range 18 E. S 31 on S faces dug a pit 3 ft square 1 ft deep, 8 lks West of post and raised a mound of earth 2 ft high 4½ ft base around post

October 13th 1890.

Courses	Distances	
N. 32° W.	1.61	
N. 42½ W.	3.30	
N. 58° W.	7.80	
N. 64° W.	8.30	
N. 47½ W.	1.90	
N. 29¾ W.	3.20	
N. 4½ E.	2.20	
N. 22½ E.	2.20	at 1/16 Cor.
N. 46½ E.	3.50	
N. 73° E.	7.10	
S. 79° E.	9.40	at 1/16 Cor.
S. 51° E.	6.60	
S. 37½ E.	10.50	
S. 19° E.	7.60	
S. 64¼ E.	5.70	at M. C. on B. Line

October 13th 1890.

Latitudes, Departures, and Closing Errors.

Lines designated as	True bearing	Distances	Latitudes N.	Latitudes S.	Departures E.	Departures W.
East boundary		30.40		22.12	19.13	
West boundary		48.67	19.86		1.01	20.13
North boundary		20.00	4.48	1.79	18.56	
South boundary	S. 87° 58' E.	18.16				18.16
Convergency					0.00	
			24.34	23.91	38.70	38.29
		Totals	23.91		38.29	
		Error in Latitude	.43		.41	Error in Departure

Meanders of Nemaha River in SE¼ of Sec. 32 T. 1 ~~S.~~ N. R. 18 E. beginning at meander Cor. on Base Line.

Courses	Distances	
N. 24¾ E.	6.40	
N. 47° E.	7.10	
N. 84° E.	5.30	
S. 53½ E.	2.30	
S. 66° E.	14.70	
S. 84° E.	6.60	At M. C. to frac Secs. 32 and 33.
	40 40	

Meanders in Sec. 33.

N. 73° E.	4.40	
N. 53° E.	9.20	
N. 31° E.	11.60	At M. C. on 1/16 Line.
N. 15° E.	9.40	
N. 25½ E.	4.80	
N. 52¾ E.	4.40	
N. 84½ E.	4.50	
S. 68¾ E.	4.30	
S. 49° E.	8.00	At M. C. on 1/4 Line
S. 58° E.	4.30	
S. 78° E.	7.00	
N. 80° E.	9.65	At M. C. on 1/16 Line.
N. 59° E.	4.60	
N. 53° E.	16.50	
N. 29° E.	5.80	at M. C. to Secs. 33 + 34.
	142 40	

Meanders in Sec. 34.

N. 18° E.	15.70	at M. C. on 1/16 Line
N. 18° E.	1.70	
North	18.40	at M. C. to Secs. 27 + 34.
	95 80	

Meanders in Sec. 27.

N. 1¾ W.	4.90	
N. 10° E.	10.00	
N. 24½ E.	5.80	at M. C. on 1/16 Line.
N. 24° E.	22.00	
N. 3½ E.	5.50	
N. 7½ E.	8.20	
N. 23° E.	7.00	at M. C. on 1/16 Line.
N. 20° E.	2.00	
N. 40½ E.	8.20	
N. 57° E.	4.60	
N. 77° E.	5.40	
	93 60	

40 40
142 40
95 80
93 60
312 20

Meanders in Sec. 27 T. 1 N. R. 18 E.

	Courses	Distances	
312.20	East	2.80	At M. C. on 1/4 Line
44.10			
83.30	S. 75° E.	5.90	
48.70			
126.49	S. 84½ E.	4.70	
614.79	S. 84° E.	10.70	At M. C. on 1/16 Line
	N. 88° E.	20.00	At M. C. to frac. Secs. 26 and 27
		441°	
			Meanders in Sec. 26
	S. 74½ E.	3.80	
	S. 70° E.	17.30	at M. C. on 1/16 Line.
	N. 89° E.	5.80	
	S. 83¾ E.	6.70	
	S. 74° E.	7.80	at M. C. on 1/4 Line
	S. 70½ E.	4.20	
	S. 76¾ E.	8.60	
	S. 82½ E.	7.80	at M. C. on 1/16 Line
	S. 85½ E.	3.50	
	S. 81° E.	5.80	
	N. 81° E.	1.70	
	S. 81° E.	4.50	
	S. 80° E.	4.80	at M. C. to frac. Secs. 25 and 26.
		83.30	
			October 23rd 1890.
			Meanders in Sec. 25.
	S. 80¾ E.	20.20	
	S. 80° E.	2.80	
	S. 72° E.	10.00	
	S. 68° E.	8.50	
	S. 66° E.	7.20	At mouth of Nemaha River.
		48.70	
			Meanders of Missouri River from mouth of Nemaha to Range Line.
	S. 6¼ E.	20.10	
	S. 29¾ E.	23.00	
	S. 9½ E.	20.30	
	S. 11½ E.	20.40	
	S. 21½ E.	21.55	
	S. 28¾ E.	9.40	
	South	11.74	Range Line
		126.49	
			October 24th 1890.

Exteriors of fractional T. 1 N. R. 18 E.
Latitudes, Departures, and closing Errors.

Line designated as.	True Bearing	Distances	Latitudes N.	Latitudes S.	Departures E.	Departures W.
		Chs.				
S. boundary	N. 89° 58' W.	355.00	.16			355.00
W. & N. boundary	Meanders	344.35	171.73	51.42	322.13	.15
E. boundary	Meanders	126.49		120.00	33.44	
Convergency					.13	
			171.89	171.42	355.60	355.15
		Totals	171.42		355.15	
	Error in Latitude		.47		.45	Error in Departure

Subdivisions of frac. T. 1 N. R. 18 E.

I commence at the corner to Secs. 35 and 36 on South boundary, which is a Limestone 20 X 16 X 2 ins. 5 ins above ground, firmly set with 1 notch on E. and 5 notches on Wedge and Pits 18 X 18 X 12 ins on N E and W sides 5½ ft distant, with mound of earth 2 ft high, 4½ ft base alongside. Thence I run North 8° 1' W parallel to Range line bet Secs 35 and 36.

Va. 10° 49' E.

20.00 Set a Limestone 14 X 12 X 3 ins 9 ins in the ground for 1/16 sec. Cor. Marked 1/16 S. on W side; dug pits 18 X 18 X 12 ins N and S of Stone 5½ ft. distant and raised a mound of earth 1½ ft high, 3½ ft base alongside.

32.50 Ent. brush and heavy timber.

40.00 Set a Limestone 12 X 10 X 5 ins. 8 ins in the ground for 1/4 Sec. Cor. Marked 1/4 S on W side. dug pits 18 X 18 X 12 ins. N and S. of Stone 5½ ft. dist and raised mound of earth 1½ ft. high 3½ ft base alongside.

42.50 Ravine 20 ft deep.

49.90 Ravine 25 ft deep.

54.00 Road top of ridge

60.00 Set a charred Elm post 4 ft long 4 ins square, 24 ins in the ground for 1/16 S. Cor. marked 1/16 on W side; dug pits 18 X 18 X 12 ins N & S of post, 5½ ft distant; and raised a mound of earth 1½ ft high 3½ ft base around post

66.50 Ravine

80.00 Set a charred Oak post 4 ft long 8 ins square, 24 ins in the ground for cor to Secs. 25, 26, 35 and 36. Marked T. 1 N. S 25 on NE. R. 18 E. S. 36 on SE. S. 35 on SW and S 26 on NW faces, with 1 notch on S & E edges, from which a Bl Oak 12 ins in diam bears N. 25° W. 40 lks distant, Marked T. 1 N. R. 18 E. S 26 B. T. A Bl Oak 10 ins. in diam. bears N. 82° E 33 lks dist. Marked T 1 N. R. 18 E. S 25.

Land, very hilly, rough and broken. Soil 1st rate. Timber, scattering Elm, Bl Oak and Hickory undergrowth same, and Hazel brush.

Subdivisions of frac. T. 1 N. R. 18 E.

From the Cor to Secs 25, 26, 35 and 36, I run S. 89° 58½ E. parallel to South boundary, on a true line bet Secs. 25 and 36. Knowing that it will strike the west bank of the Missouri River in less than 80 chains.

Var. 10° 34' E.

2.75 Ravine
11.50 Top of Ridge
20.00 Set a charred Oak Post 4 ft long 4 ins square 24 ins in the ground for 1/16 Sec. Cor. Marked 1/16 on N. face; dug pits 18 X 18 X 12 ins E and W. of post 5½ ft dist and raised a mound of earth 1½ ft high 3½ ft base around post
22.50 Center of Prairie bears NE and SW.
25.50 Top of Ridge bears NE and S.W.
31.50 Old Dug Out at edge of Ravine.
32.00 Center of Ravine
40.00 Set a charred Oak Post 4 ft long 4 ins square 24 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on N face, dug pits 18 X 18 X 12 ins E and W of post 5½ ft dist, and raised a mound of earth 1½ ft high 3½ ft base around post.
46.75 Top of Ridge bears NE and S.W.
58.50 A and N. R. R track.
60.00 Right bank of Missouri River. Set a Limestone 16 X 10 X 5 ins 12 ins in the ground for Meander Cor. to frac Secs. 25 and 36 Marked M.C. on E. face. dug a pit 3 ft square 1 ft deep 8 lks W of Stone and raised a mound of earth 2 ft high. 4½ ft base alongside
Land very hilly, rough and broken. Soil 1st rate. Timber - scattering Elm. Bl Oak and Hickory - undergrowth same, and hazel brush.

October 14th 1890

S. 89° 58½ E. Parallel to South Boundary. On a true line through S½ Sec. 36 Knowing that it will strike the west bank of the Missouri River in less than 80 chs.

Var. 10° 34' E.

9.75 Bl Oak 12 ins in diam.
11.50 Center of Ravine
17.00 Top of Ridge
18.00 Center of Ravine

Subdivisions of frac T. 1 N. R. 18 E.

20.00 Set a charred Bl. Oak Post 4 ft long. 4 ins square, 24 ins in the ground for 1/16 Sec. Cor. Marked 1/16 on N. face, dug pits 18 X 18 X 12 ins on E and W of post 5½ ft dist and raised a mound of earth 1½ ft high 3½ ft base around post.
25.00 Top of Rige
32.00 Center of Ravine
40.00 Set a Limestone 16 X 12 X 3 ins 12 ins in the ground for 1/16 Sec. Cor. Marked 1/16 on N. face, dug pits 18 X 18 X 12 ins E and W. of stone 5½ ft dist and raised a mound of earth 1½ ft high and 3½ ft base alongside.
45.00 Center of Ravine.
50.00 Top of Ridge
55.50 Center of Ravine.
60.00 Set a Limestone 18 X 10 X 4 ins 13 ins in the ground for 1/16 Sec. Cor. Marked 1/16 on N. face, dug pits 18 X 18 X 12 ins E and W. of Stone, 5½ ft dist and raised a mound of earth 1½ ft high and 3½ ft base alongside.
71.20 Center of A and N. R. R. track.
75.00 Right bank of Missouri River. Set a charred Elm post 4 ft long, 4 ins. square, 24 ins in the ground for Meanders Cor. to frac. Sec. 36 Marked M.C. 1/16 on E. face with T. 1 N. on N, R. 18 E. S 36 on S faces dug a pit 3 ft square 1 ft deep 8 lks W of post and raised a mound of earth 2 ft high 4½ ft base around post.
Land, very hilly, rough and broken. Soil 1st rate. Timber Scattering Elm. Bl Oak and Hickory, undergrowth, same, and Hazel brush.

S. 89° 58½ E. parallel to South boundary, on a true line through middle of Sec. 36 knowing that it will strike the west bank of the Missouri River in less than 80 chains.

Va. 10° 34' E.

Over very bluffy and broken ground.
2.00 Top of Ridge
19.20 Center of Ravine.
20.00 Set a charred Bl Oak Post 4 ft long 6 ins square 24 ins in the ground for 1/16 Sec. Cor. Marked 1/16 S on N face

from which a Bl. Oak 14 ins in diam bears S. 6 lks dist. marked 1/16 S.B.T. A Bl Oak 18 ins in diam bears N. 10° W. 18 lks dist. marked 1/16 S.B.T.

29.50 Top of Ridge

36.00 Center of Ravine

40.00 Set a charred Bl Oak Post 4 ft long 4 ins square 24 ins in the ground for 1/4 Sec. Cor. Marked 1/4 S. on N. face. dug pits 18 x 18 x 12 ins E and W of post 5½ ft dist. and raised a mound of earth 1½ ft high 3½ ft base around post.

45.00 Top of Ridge

49.00 Center of draw.

57.30 Top of Ridge

60.00 Set a charred Oak Post 4 ft long 4 ins square 24 ins in the ground for 1/16 Sec. Cor. Marked 1/16 S. on N. face, dug pits 18 x 18 x 12 ins on E and W. of Post, 5½ ft. dist. and raised a mound of earth 1½ ft high, 3½ ft base around post.

64.00 Center of A and N. R R track.

67.50 Right bank of Missouri River. Set a Limestone 24 x 17 x 4 ins. 16 ins in the ground for Meander Cor. to frac. Sec. 36. Marked M.C. 1/16 on E face. dug a pit 3 ft. square, 1 ft deep, 8 lks West of stone, and raised a mound of earth 2 ft. high and 4½ ft. base alongside.

Land very hilly, rough and broken; Soil 1st rate. Timber scattering Elm, Bl Oak and Hickory. undergrowth same, and Hazel brush.

S. 89° 58½ E. parallel to South boundary. On a true line in N½ of Sec. 36. Knowing that it will strike the west bank of the Missouri River in less than 80 chains.

Va 10° 34' E.

Over very bluffy and broken ground.

20.00 Set a charred Bur Oak Post, 4 ft long, 4 ins square 24 ins in the ground for 1/16 Sec. Cor. Marked 1/16 S. on N. face; from which a Bl Oak 14 ins in diam. bears South 40 lks. dist. Marked 1/16 S.B.T.

29.75 Center of Ravine

34.50 Top of Ridge

36.00 Ravine.

40.00 Set a Bl. Oak Post 4 ft long. 4 ins square with charred Stake, 24 ins in the ground for 1/16 Sec. Cor. Marked 1/16 S. on N. face, dug pits 18 x 18 x 12 ins E. and W. of post 5½ ft. dist. and raised a mound of earth 1½ ft high, 3½ ft base around post.

41.50 Top of Ridge.

60.00 Set a charred Elm Post 4 ft long 4 ins square 24 ins in the ground for 1/16 Sec. Cor. Marked 1/16 S. on N. face, from which a Walnut 8 ins in diam. bears S. 81½ E. 22 lks. dist Marked 1/16 S.B.T. – A Walnut 8 ins in diam bears N. 52° E. 34 lks. dist. Marked 1/16 S.B.T.

62.60 A and N. R R track.

63.40 Right bank of Missouri River. Set an Oak Post 4 ft long. 4 ins square, 24 ins in the ground for Meander Corner to Sec. 36 Marked M.C. 1/16 on E face, with T. 1 N. on N. and R 18 E. S. 36 on S. faces, dug a pit 3 ft. square 1 ft. deep, 8 lks W. of post, and raised a mound of earth 2 ft high 4½ ft base around post.

Land very hilly, rough and broken. Soil 1st rate. Timber scattering Elm, Bl Oak, Hickory and Walnut – undergrowth same, and Hazel brush.

North 0° 1' W. parallel to Range Line, on a true line bet. Secs. 25 and 26.

Va. 10° 39' E.

Over rough and broken bluffs.

9.00 Center of Ravine

18.50 Top of Ridge

20.00 Set a charred Oak Post 4 ft long, 4 ins square, 24 ins in the ground for 1/16 Sec. Cor. Marked 1/16 S. on W. face. dug pits 18 x 18 x 12 ins N. and S. of post 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft base around post.

23.50 Center of Ravine

30.00 Top of Ridge
40.00 Set a Red Elm post 4 ft long. 6 ins square 24 ins in the ground for 1/4 Sec. Cor. Marked 1/4 on W. face; from which a Bl Oak 12 ins. in diam bears N 30° W. – lks dist. Marked 1/4 S. B. T. A Bl Oak 14 ins in diam. bears S. 28° E. – lks dist. Marked 1/4 S. B. T.
49.30 Edge of abrupt bluff 80 ft high.
51.50 Center of A and N R R track at foot of bluff.
53.00 Right bank of Nemaha River. Set a Diamond Willow post 4 ft long. 5 ins square, 24 ins in the ground for M. C. to frac. Secs. 25 and 26, Marked M. C. on S. face, with T. 1 N. on N. and R 18 E. S. 26 on E. and S 26 on W faces; dug a pit 3 ft. square 1 ft. deep, 8 lks S. of post, and raised a mound of earth 2 ft. high 4 1/2 ft. base around post.
Land, very hilly, rough and broken. Soil 1st rate. Timber, scattering Elm, Bl Oak and Hickory, undergrowth same, and Hazel brush.

S. 89° 58 1/2 E. parallel to South Boundary, On a true line through S 1/2 of Sec. 25. Knowing it will strike the west bank of the Missouri River in less than 80 chains.
Va. 10° 34' E.
Over rough and broken bluffs.
20.00 Set a charred Oak Post 4 ft long, 4 ins square, 24 ins in the ground for 1/16 Sec. Cor. Marked 1/16 S. on N. face. dug pits 18 x 18 x 12 ins E and W. of post 5 1/2 ft dist. and raised a mound of earth 1 1/2 ft high, 3 1/2 ft base around post.
40.00 Set a Black Walnut post 4 ft long. 4 ins square 24 ins in the ground for 1/16 Sec. Cor. Marked 1/16 S. on N. face, dug pits 18 x 18 x 12 ins. E and W of post 5 1/2 ft dist. and raised a mound of earth 1 1/2 ft high and 3 1/2 ft base around post.
41.46 Bl Oak 16 ins. in diam.
34.30 Foot of Bluff.

44.60 Center of A and N R R track.
45.00 Enter Willow thicket on Missouri River bottom.
48.70 Right bank of Missouri River. Set a Limestone 18 x 10 x 4 ins. 13 ins in the ground for Meander Cor. to frac. Sec. 25 Marked M. C. M on E. face; dug a pit 3 ft. square, 1 ft. deep 8 lks West of Stone and raised a mound of earth 2 ft. high 4 1/2 ft. base along side.
Land very hilly, rough and broken. Soil 1st rate Timber scattering Elm, Bl Oak, Hickory and Walnut. undergrowth same and Hazel brush.
October 15th 1890.
S. 89° 58 1/2 E. parallel to South Boundary. On a true line through the middle of Sec. 25. Knowing that it will strike the west bank of the Missouri River in less than 80 chains.
Va. 10° 34' E.
Over rough and broken Bluffs.
20.00 Set a charred Walnut Post 4 ft long, 4 ins square 24 ins in the ground for 1/16 Sec. Cor. Marked 1/16 S. on N. face. from which a Elm 30 ins in diam. bears S. 44° W. 67 lks dist Marked 1/16 S. B. T.
25.00 Foot of Bluff.
25.25 Center of A and N. R R track.
26.50 Enter Willow Thicket on Missouri River bottom
40.00 Set a charred Bl. Oak Post 4 ft long, 4 ins square, 24 ins in the ground for 1/4 Sec. Cor. Marked 1/4 S on N. face dug pits 18 x 18 x 12 ins E and W of post 5 1/2 ft dist, and raised a mound of earth 1 1/2 ft high 3 1/2 ft base around post.
46.50 Right bank of Missouri River, at mouth of Nemaha River. Set a Limestone 20 x 8 x 5 ins 15 ins in the ground for Meander Cor. to frac. Sec. 25. Marked 1/4 M. C. on E. face; dug a pit 3 ft. square 1 ft. deep 8 lks. W of Stone and raised a mound of earth 2 ft. high 4 1/2 ft base alongside
Land very hilly, rough and broken. Soil 1st rate. Timber scattering Elm, Bl Oak, Hickory and Walnut. undergrowth same, and Hazel brush.

From the 1/16 Sec. Cor. on middle line of Sec. 25 I run North parallel to Range Line. On a true line.

Va. 10° 34' E.

Over very rough and broken Bluffs.

7.00 Foot of bluffs. Enter Nemaha bottom.

7.30 Center of 1st and N R R track.

9.70 Right bank of Nemaha River. Set a Limestone 18x9x4 ins. 13 ins in the ground for 1/16 M. C. to frac Sec. 25. Marked M. C. 1/16 on N. face. dug a pit 3 ft square, 1 ft deep 8 lks S of stone, and raised a mound of earth 2 ft. high. 4½ ft base alongside.

From the 1/4 Sec. Cor. in Center of Sec. 25 I run North parallel to Range Line, On a true line.

Va. 10° 34' E.

Over even ground, bottom land.

2.90 Right bank of Nemaha River. Set a Limestone 22x6x4 ins. 16 ins. in the ground for 1/16 Mc. under Cor. to Sec. 25, Marked M. C. 1/16 on N. face, dug a pit 3 ft. square, 1 ft deep 8 lks. S of stone. and raised a mound of earth 2 ft high. 4½ ft base alongside.

Land, very hilly and rough + broken. Soil 1st rate. Timber scattering Elm Bl Oak, Hickory and Walnut.- Undergrowth Same and Hazel brush.

✓

From the Cor. to Secs. 34 and 35. On South boundary which is a Limestone 18x14x4 ins 5 ins above the ground, firmly set, with 2 notches on E. and 4 notches on Wedges, and pits 18x18x12 ins on N E and W. sides 5½ ft dist. with mound of earth 2 ft. high, 4½ ft base alongside.

I run N 0° 1½' W parallel to Range Line On a true line between Secs 34 and 35.

Va. 10° 49' E.

Through rough broken prairie.

14.50 Enter brush and scattering timber.

16.00 Bl. Oak 9 ins in diam.

18.70 Bl Oak 4 ins in diam.

19.00 Center of Ravine

20.00 A Bur Oak 6 ins in diam which I marked 1/16 S. on W side, for 1/16 Sec. Cor. from which a Bl. Oak 10 ins in diam. bears N. 45° W. 14 lks dist. Marked 1/16 S. B. T. A Bur Oak 8 ins in diam bears S. 45° E 22 lks dist. Marked 1/16 S. B. T.

30.50 Center of Ravine.

38.00 Leave brush Enter cornfield.

40.00 Set a charred Oak Post 4 ft long. 4 ins square 24 ins in the ground for 1/4 Sec. Cor. Marked 1/4 S. on W. face dug pits 18x18x12 ins N and S of post 5½ ft dist. and raised a mound of earth 1½ ft high, 3½ ft base, around post.

41.40 Ent Prairie

56.50 Ent very dense brush.

58.50 Center of Ravine.

60.00 Set an Oak post 4 ft. long. 4 ins square with charred stake 24 ins in the ground for 1/16 Sec. Cor. Marked 1/16 S on W. face, dug pits 18x18x12 ins N and S. of post, 5½ ft. dist, and raised a mound of earth 1½ ft high, 3½ ft base around post.

61.00 Top of Ridge.

80.00 Set a Bl. Oak Post 4 ft long. 4 ins. square 24 ins in the ground for Cor. to Secs. 26, 27, 34 and 35, marked T. 1 N. S. 26 on N. E. R. 18 E. S. 27 on N. W. - S 34 on S. W. and S. 35 on S. E. faces, with 1 notch on S. and 2 notches on E. edges. from which a Bl Oak 18 ins in diam bears S. 84° W. 114 lks dist. Marked T. 1 N. R. 18 E. S 34 B. T.- A Bl. Oak 6 ins in diam bears N. 30° E 26 lks. dist. Marked T. 1 N. R. 18 E. S 26 B. T. Land rolling + rough - Soil Black Loam. 1st Rate. Timber, scattering Bl + Bur Oak Elm + Hickory with dense undergrowth of same + Hazel brush.

October 16th 1890.

S. 89° 58½ E. Parallel to South boundary, on a random line bet. Secs. 26 and 35.
Var. 10° 49' E.
Over rough and broken Bluffs in brush and scattering timber
20.00 Set tem. 1/16 Sec. Cor.
40.00 Set tem 1/4 Sec. Cor.
60.00 Set tem 1/16 Sec. Cor.
80.16 Int. N. and S. line 16 lks. S. of Cor. to Secs. 25, 26, 35 & 36
Thence I run
S. 89° 54½ W. on a true line bet. Secs. 26 and 35.
Va. 10° 49' E.
Over rough and bluffy ground.
1.00 Ridge bears N. and S.
9.00 Ravine course N. 10° W.
20.04 Set a Bl. Oak post, 4 ft. long, 4 ins. square 24 ins. in the ground for 1/16 Sec. Cor. Marked 1/16 S. on N. face, from which a Hickory 8 ins. in diam. bears S. 35° E. 45 lks. dist. Marked 1/16 S.B.T. A Bl Oak 24 ins. in diam. bears N. 3° W. 70 lks. dist. Marked 1/16 S.B.T.
40.08 Set a Bl Oak post 4 ft. long, 4 ins square 24 ins in the ground for 1/4 Sec. Cor. Marked 1/4 S. on N. face, from which a Bl. Oak 12 ins in diam. bears N. 45° E. 21 lks. dist. Marked 1/4 S.B.T. — A Bl Oak, 18 ins in diam. bears S. 75° W. 71 lks. dist. Marked 1/4 S.B.T.
60.12 Set a Bl. Walnut post 4 ft. long, 4 ins square, 24 ins in the ground for 1/16 Sec. Cor. Marked 1/16 S. on N. face, dug pits 18 X 18 X 12 ins E. and W. of post 5½ ft. dist. and raised a mound of earth 1½ ft. high, 3½ ft base around post.
62.60 Ravine course N.
80.16 The Cor. to Secs. 26, 27, 34 and 35.
Land rolling & rough. Soil 1st and 2nd rate; Timber scattering Oak, Elm & Bl Walnut — undergrowth same and Hazel brush very thick.

S. 89° 58½ E. parallel to South boundary. On a random line through S. ½ of Sec. 35
Va 10° 49' E.

20.00 Set a tem 1/16 Sec. Cor.
40.00 Set a tem 1/16 Sec. Cor.
60.00 Set a tem 1/16 Sec. Cor.
80.00 Int N. and S. Line 24 lks. S. of 1/16 S. C.
Thence I run
S. 89° 52' W. On a true line through S. ½ Sec. 35.
Va. 10° 49' E.
Over rolling ground.
.50 Ent. Cornfield.
7.50 Old Log Cabin 1 chain North.
20.00 Set an Oak Post 4 ft. long, 4 ins square, 24 ins. in the ground for 1/16 Sec. Cor. Marked 1/16 S on N. face, dug pits 18 X 18 X 12 ins E. and W. of post 5½ ft. dist. and raised a mound of earth 1½ ft. high, 3½ ft base around post.
21.50 Leave Cornfield. Enter brush & scattering timber.
33.70 Spring Branch in Center of Ravine. Course N. 30° W.
40.00 Set an Oak post, 4 ft. long, 4 ins square, 24 ins. in the ground for 1/16 Sec. Cor. Marked 1/16 S. on N. face, dug pits 18 X 18 X 12 ins E. and W. of post 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base around post.
60.00 Set an Oak post 4 ft. long, 4 ins square 24 ins in the ground for 1/16 Sec. Cor. Marked 1/16 S. on N. face, from which a Bl Oak 14 ins. in diam bears N. 59° W. 113 lks. dist. Marked 1/16 S.B.T. A Bl Oak 7 ins in diam. bears S. 22° E. 68 lks. dist. Marked 1/16 S.B.T.
75.50 Center of Ravine bears N.W. and S.E.
80.00 The S. 1/16 Sec. Cor. on W. boundary.
Land rolling 21 chs., rough & bluffy 59 chs.
Soil 1st rate. Timber scattering Oak, Elm and Bl Walnut, undergrowth same & hazel brush.

S. 89° 58½ E. Parallel to South Boundary on a random line through middle of Sec. 35.
Va. 10° 49' E.
20.00 Set tem 1/16 Sec. Cor.
40.00 Set tem 1/4 Sec. Cor.
60.00 Set tem 1/16 Sec. Cor.

Subdivisions of frac. T. 1 N. R. 18 E.

80.04 Intersect N. and S. Line 6 lks S of 1/4 S. C.
Thence I run
S. 89° 59' W. on a true line through the middle of Sec. 35.
Var. 10° 49' E.
Over very rolling & rough bluffs.
16.00 Top of Ridge.
16.70 Center of Ravine Course N. 30° W.
20.00 A Bl Oak 26 ins. in diam which I marked 1/16 S on N. side for 1/16 Sec. Cor. from which A Hickory 10 ins. in diam. bears N 35° E. 26 lks. dist. Marked 1/16 S. B. T. — A Hickory 10 ins in diam bears N. 45° W. 26 lks. dist. marked 1/16 S. B. T.
Over rough and broken bluffs.
24.50 Top of Ridge N. 20° W. and S. 20° E.
37.50 Spring Branch in draw Course N. 10° W.
40.02 Set an Oak post 4 ft long, 4 ins square, 24 ins in the ground for 1/4 Sec. Cor. Marked 1/4 S. on N. face from which a Horn Bean 8 ins in diam. bears N. 70° W. 40 lks. dist. Marked 1/4 S. B. T. A Bl Oak 10 ins in diam. bears S. 65° E. 44 lks. dist. Marked S. B. T.
Over rough and rolling bluffs.
60.03 Set an Oak post 4 ft long, 4 ins square 24 ins in the ground for 1/16 Sec. Cor. Marked 1/16 S. on N. face, from which a Bl. Oak 22 ins in diam bears N. 1° E. 101 lks. dist. Marked 1/16 S. B. T. A Bl Oak 18 ins in diam bears S. 52° W. 79 lks. dist. Marked 1/16 S. B. T.
80.04 The 1/4 Sec. Cor. on W. boundary.
Land, rough, rolling and broken bluffs.
Soil 1st rate.
Timber, Oak, Elm, Hickory & some Walnut with very heavy undergrowth of same and dense Hazel brush.

S. 89° 58 1/2' E. Parallel to S. boundary, on a random line through N 1/2 Sec. 35
Var 10° 49' E.
20.00 Set tem 1/16 Sec. Cor.

Subdivisions of frac. T. 1 N. R. 18 E.

40.00 Set tem 1/16 Sec. Cor.
60.00 Set tem 1/16 Sec. Cor.
80.10 Intersect N. and S. line 10 lks. S. of 1/16 S. C.
Thence I run
S. 89° 57' W. On a true line through N. 1/2 of Sec. 35.
Var. 10° 49' E.
Over rough and rolling bluffs.
14.00 Center of Ravine.
20.02 1/2 Set a Charred Oak Post 4 ft long, 4 ins square 24 ins in the ground for 1/16 Sec Cor. Marked 1/16 S. on N. face, from which a Hickory 8 ins. in diam., bears S. 28° W. 15 lks dist. Marked 1/16 S. B. T.
32.30 Ravine Course N. 50° W.
39.00 Point of hill sloping N. 50° W.
40.05 Set a Limestone 18 x 12 x 2 ins. 13 ins in the ground for 1/16 Sec. Cor. Marked 1/16 S. on N. face from which a Linn 10 ins in diam. bears N. 10° W. 44 lks. dist. Marked 1/16 S. B. T. An Ash 6 ins in diam. bears West 52 lks. dist. Marked 1/16 S. B. T.
40.57 An Ash 6 ins. in diam.
43.75 Ravine bears N W and S E.
52.00 Top of Ridge.
60.07 1/2 Set a Bl Oak post 4 ft long, 4 ins square 24 ins in the ground for 1/16 Sec. Cor. Marked 1/16 S. on N. side, from which a Bl Oak 7 ins. in diam. bears S. 38° E. 19 lks. dist. Marked 1/16 S. B. T. — A Bl Oak 6 ins in diam bears N 13° E. 47 lks. dist. Marked 1/16 S. B. T.
73.00 Ravine bears N W. and S E.
Top of Ridge bears N W. and S E.
80.10 The N. 1/16 Sec. Cor. on W. boundary.
Land, rough rolling and broken bluffs.
Soil 1st and 2nd rate.
Timber, Oak, Hickory, Linn and some Walnut
The southern part of this section contains a part of the best timber on the Reservation

N. 89° 58½ W. Parallel to South Boundary on a true line in N½ of Sec. 34. Knowing that it will strike the right bank of the Nemaha River in less than 80 chains

Va. 11° 04' E.

Over rough and broken bluffs.

8.00 Ravine Course N. 10° W.

16.50 Top of Ridge.

20.00 Set a charred Oak Post, 4 ft. long 4 ins square 24 ins in the ground for 1/16 Sec Cor. marked 1/16 on N face, from which a Bl Oak 24 ins in diam. bears N. 37° E. 34 lks dist. Marked 1/16 S. B.T. A Bl Oak 28 ins in diameter bears N. 50° W. 28 lks. dist. Marked 1/16 S. B. T.

23.50 Ravine Course N. 89° W.

40.00 Top of Ridge

47.50 Ravine Course N. 80° W.

52.50 Top of Ridge.

56.00 Center of draw.

60.00 Set an Oak post, 4 ft long 4 ins square 24 ins in the ground for 1/16 Sec. Cor. Marked 1/16 on N. face, from which a Bl Oak 10 ins in diam. bears S. 50° W. 22 lks. dist. Marked 1/16 S. B. T. A Bl Oak 13 ins in diam. bears N. 60° E. 45 lks. dist. Marked 1/16 S. B. T.

62.50 Top of Ridge.

71.00 Center of draw leading to Nemaha River.

75.26 Right bank of Nemaha River, a Limestone 30×18×10 ins which I marked × at exact Cor. point for 1/16 Meander Cor to Sec. 34 marked M. C. 1/16 on N. side from which a Linn 12 ins in diam bears S. 88° E. 48 lks dist. Marked T. 1 N. R. 18 E. S. 34 1/16 M. C. B. T. A Bl Oak 14 ins in diam. bears N. 68 E. 87 lks dist. Marked T. 1 N. R. 18 E. S 34 1/16 M. C. B. T.

Land very rough and broken. Soil 2nd rate. Timber scattering Oak, Elm, Hickory and Linn. with same undergrowth and Hazel brush.

October 17th 1890.

N. 89° 58½ W. Parallel to South boundary on a true line between Secs 27 and 34.

Knowing that it will strike the right bank of the Nemaha River in less than 80 chains.

Va 11° 04' E.

Over rough and broken bluffs.

4.00 Ravine.

13.00 Top of Ridge

19.50 Ravine

20.00 Set an Iron Wood post 4 ft long, 4 ins. square 24 ins. in the ground for 1/16 Sec. Cor. Marked 1/16 S. on N. face from which a Linn 14 ins. in diam. bears South 15 lks. dist. Marked 1/16 S. B. T. A Linn 14 ins. in diam. bears N. 45° W. 90 lks. dist. Marked 1/16 S. B. T.

30.00 Top of Ridge decend and enter brush.

36.50 Center of draw.

40.00 Set an Ash post 4 ft. long, 4 ins. square 24 ins. in the ground for 1/4 Sec. Cor. Marked 1/4 S. on N face from which an Elm 8 ins. in diam. bears S. 50° W. 22 lks. dist. Marked 1/4 S. B. T. A Red Elm 10 ins in diam. bears South 24 lks. dist. Marked 1/4 S. B. T.

43.50 Top of Ridge.

51.00 Center of Ravine.

53.30 Top of Ridge.

60.00 Set a Limestone 20×14×4 ins. 15 ins. in the ground for 1/16 Sec. Cor. Marked 1/16 S. on N. face, from which a Bl Oak 20 ins in diam. bears S. 83 lks. dist. Marked 1/16 S. B. T. A Bl Oak 6 ins. in diam. bears S 40° W 73 lks. dist. marked 1/16 S. B. T.

69.50 To center of draw.

70.00 Center of Ravine.

71.50 Top of small Ridge

72.50 at foot of bluffs.

74.70 at right bank of Nemaha River. Set a Limestone 30×16×4 ins. 20 ins. in the ground for M. C. to frac. Secs. 27 and 34 marked M. C. on N. face from which an Elm 36 ins. in diam. bears S. 85° E. 22 lks. dist. Marked T. 1 N. R. 18 E. S. 34 M. C. B. T. An Ash 13 ins. in diam bears N. 22° W. 55 lks. dist. Marked T. 1 N. R. 18 E. S. 27 M. C. B. T.

Land very rough and broken. Soil 2nd rate.
Timber scattering Oak, Elm, Hickory and Linn
with same undergrowth and Hazel brush.

N. 0° 1½' W. Parallel to Range Line between
Sections 26 and 27.
Va. 10° 49' E.
Over rough and very steep bluffs.

4.50 Center of Ravine.
10.50 Top of Ridge.
20.00 Set a charred Oak Post, 4 ft. long, 4 ins. square
24 ins. in the ground for 1/16 Sec. Cor. Marked
1/16 S. on W. face; from which a Bl. Oak 6 ins.
in diam. bears N. 45° W. 10 lks. dist. Marked 1/16 S.B.T.
23.00 Center of Ravine.
34.00 Top of Ridge.
38.00 Center of Ravine
40.00 Set a charred Oak Post 4 ft. long, 4 ins. square,
24 ins. in the ground for 1/4 Sec. Cor. Marked
1/4 S. on W. face; dug pits 18 X 18 X 12 ins. N. and S.
of post 5½ ft. dist. and raised a mound of
earth 1½ ft. high, 3½ ft. base around post.
44.50 Top of Ridge.
46.30 Center of draw.
55.00 Top of Ridge
55.70 Bl. Oak 16 ins. in diam.
58.00 Center of Ravine in draw.
60.00 Set a charred Oak Post 4 ft. long, 4 ins square,
24 ins. in the ground for 1/16 Sec. Cor. Marked
1/16 S. on W. face. dug pits 18 X 18 X 12 ins N. and S. of
post, 5½ ft. dist. and raised a mound of earth
1½ ft. high, 3½ ft. base around post.
60.50 Top of Ridge
66.30 Edge of bluff - almost perpendicular.
66.50 Foot of bluff enter Nemaha bottom.
67.00 Center of A. and N. R. R. track.
67.62 Right bank of Nemaha River. Set a Walnut post
4 ft. long, 4 ins. square, 24 ins. in the ground
for Meander Cor. to frac. Secs. 26 and 27 Marked
M. C. on N. face with T. 1 N. S. 27 on W and

R. 18 E. S. 26 on S. faces, from which a Willow
12 ins. in diam. bears S. 1° W. 63 lks. dist, Marked
T. 1 N. R. 18 E. S. 27 M. C. B. T.
Land very steep and abrupt bluffs. Soil 2d rate.
Timber scattering Oak, Ash, Elm, Linn, Hickory
and Walnut. undergrowth same and Hazel
brush. very dense.

S. 89° 58½' E. Parallel to S. boundary on a
random line through S. ½ of Sec. 26.
Va. 10° 49' E.

20.00 Set tem 1/16 Sec. Cor.
40.00 Set tem 1/16 Sec. Cor.
60.00 Set tem 1/16 Sec. Cor.
80.12 Intersect N. and S. line 18 lks. N. of 1/16 S. C.
Thence I run
N. 89° 50' W. on a true line through
S. ½ of Sec. 26.
Va. 10° 49' E.
Over rough and very hilly bluffs.

10.00 Center of Ravine course N.
19.00 Point of Ridge sloping North.
20.03 Set a charred Oak Post 4 ft. long, 4 ins. square
24 ins. in the ground for 1/16 Sec. Cor. Marked
1/16 S. on N. face; from which a Bl. Oak 18 ins.
in diam bears S. 7° W. 25 lks. dist. Marked
1/16 S.B.T. A Bl. Oak 10 ins. in diam. bears
N. 67° E. 37 lks. dist. Marked 1/16 S. B. T.
23.50 Center of draw bears N W.
26.00 Point of Ridge sloping North
30.50 Center of Ravine Course N. 10° E.
40.06 Set a charred Oak post 4 ft. long 4 ins
square 24 ins in the ground for 1/16 Sec. Cor.
marked 1/16 S. on N. face; from which a
Red Elm 8 ins. in diam. bears S. 89° E.
18 lks. dist. Marked 1/16 S.B.T. An Ash
6 ins. in diam. bears N. 71° W. 54 lks. dist.
marked 1/16 S. B. T.
42.00 Top of Ridge bears N. and S.
60.09 A Bl. Oak 20 ins. in diam. which I marked
1/16 S. on N. side for 1/16 Sec. Cor. from which

Subdivisions of frac. T. 1 N. R. 18 E.

a Hickory 6 ins in diam bears S 35° W. 32 lks. dist. Marked 1/16 S.B.T. A Bl Oak 24 ins. in diam. bears N. 45° E. 12 lks. dist. Marked 1/16 S.B.T.

80.12 The S. 1/16 Sec. Cor. on N. boundary.
Land very rough and bluffy. Soil 2d rate.
Timber - Oak, Ash, Elm, Linn Hickory and Walnut - Undergrowth same and Hazel brush.

S. 89° 58½' E. Parallel to South boundary on a random line through Middle of Sec. 26.
Var. 10° 49' E.

20.00 Set tem 1/16 Sec. Cor.
40.00 Set tem 1/4 Sec. Cor.
60.00 Set tem 1/16 Sec. Cor.
80.20 Intersect N'rd S. Line 8 lks. N. of 1/4 Sec. Cor.
Thence I run
N. 89° 55' W. On a true line through middle of Sec. 26
Var. 10° 49' E.
Over very steep and broken bluffs.
3.00 Top of Ridge.
7.50 Center of draw.
11.75 Top of Ridge
20.05 Set a charred Oak post 4 ft long, 4 ins square 24 ins in the ground for 1/16 Sec. Cor. Marked 1/16 S. on N face; dug pits 18 X 18 X 12 ins E and W. of post, 5½ ft. dist. and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
28.50 Center of draw.
35.00 Top of Ridge.
39.50 Ravine in draw Course N.E.
40.10 Set a Limestone 12 X 12 X 3 ins 9 ins in the ground for 1/4 Sec. Cor. Marked 1/4 S. on N. face, from which a Red Elm 10 ins in diam bears N. 50° E. 30 lks. dist. Marked 1/4 S.B.T.
47.75 Top of Ridge.
50.75 Center of draw.
53.50 Top of Ridge
60.15 Set a charred Oak Post 4 ft long, 4 ins square 24 ins in the ground for 1/16 Sec. Cor. Marked

Subdivisions of frac. T. 1 N. R. 18 E.

1/4 S. on N. face from which a Bl. Oak 8 ins. in diam. bears N. 35° E. 16 lks. dist. Marked 1/16 S.B.T. A Bl Oak 12 ins. in diam bears S. 70° W. 55 lks. dist. marked 1/16 S.B.T.

65.50 Center of Ravine.
80.20. The 1/4 Sec. Cor. on West boundary.
Land very hilly and broken. Soil 2nd rate.
Timber, scattering Oak, Elm, Hickory, Linn and Walnut. undergrowth same and Hazel brush.

S. 89° 58½' E. Parallel to S. boundary on a true line through N. ½ of Sec. 26. Knowing that it will strike the right bank of the Nemaha River in than 80 chains.
Var. 10° 49' E.
Over rough and very steep bluffs.
6.80 Spring Branch in draw Course N.E.
14.70 Top of Ridge
17.50 Center of Ravine in draw.
20.00 Set a charred Oak post 4 ft long, 4 ins. square, 24 ins. in the ground for 1/16 Sec. Cor. Marked 1/16 S. on N. face, dug pits 18 X 18 X 12 ins E. and W. of post, 5½ ft. dist. and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
21.00 Top of Ridge.
26.00 Center of draw.
28.00 Top of Ridge
33.75 Foot of Bluff.
34.25 Center of A and N. R. R track.
39.70 At right bank of Nemaha River. Set a Limestone 17 X 16 X 3 ins, 12 ins. in the ground for Meander Cor. to frac. Sec. 26 Marked M. C. on N. face. dug a pit 3 ft. square 1 ft. deep. 8 lks. S. of Stone, and raised a mound of earth 2 ft. high 4½ ft. base alongside.

From the 1/16 Sec. Cor. in N. ½ of Sec. 26 I run N. 0° 1½' W. Parallel to Range line.
Var. 10° 49' E.
2.25 Foot of bluffs.

Subdivisions of frac. T. 1 N. R. 18 E.

2.40 Center of 4th N. R. R track
2.60 At right bank of Nemaha River. Set a Limestone 20 x 16 x 4 ins 15 ins in the ground for meander Cor to frac Sec. 26. marked M.C. on N face; dug a pit 3 ft square, 1 ft deep 8 lks S of stone, and raised a mound of earth 2 ft high. 4½ ft base alongside.
Land very hilly and broken. Soil 2nd rate.
Timber scattering Oak, Elm, Hickory, Linn and Walnut. Undergrowth same and Hazel brush
October 18th 1890.

N. 89° 58½ W. Parallel to South Boundary, through S½ of Sec. 27. On a true line. Knowing that it will strike the right bank of the Nemaha River in less than 80 chains.
Va. 10° 49' E.
Over broken and bluffy ground.
20.00 Set a charred Oak post 4 ft long, 8 ins square 24 ins. in the ground for 1/16 Sec. Cor. Marked 1/16 S. on N. face; dug pits 18 x 18 x 12 ins E. and W. of post, 5½ ft dist. and raised a mound of earth 1½ ft. high. 3½ ft. base around post.
30.50 Top of divide.
40.00 Set a charred Oak Post, 4 ft long, 6 ins square, 24 ins in the ground for 1/16 Sec. Cor. Marked 1/16 S. on N. face; from which a Bl Oak 10 ins in diam. bears S. 40° E. 78 lks dist. Marked 1/16 S. B. T. A Bl Oak 8 ins in diam bears N. 65° W. 50 lks. dist. Marked 1/16 S. B. T.
42.60 Center of Ravine in draw.
58.50 Top of Ridge.
60.00 Set a Bl Walnut post 4 ft long, 4 ins in diam. 24 ins in the ground for 1/16 Sec. Cor. Marked 1/16 S. from which a Bl Oak 6 ins in diam bears N. 85° W. 71 lks. dist. Marked 1/16 S.B.T. A Bl Oak 16 ins in diam. bears S. 85° W. 70 lks. dist. Marked 1/16 S. B. T.
64.25 Foot of bluff. Ent Nemaha bottom.
70.80 Right bank of Nemaha River. Set a Limestone 22 x 10 x 4 ins 16 ins in the ground for 1/16 Meander

Subdivisions of frac. T. 1 N. R. 18 E.

Cor to frac. Sec. 27. Marked 1/16 M. C. on W. face from which a Hackberry 12 ins in diam bears S. 45° E. 14 lks. dist. Marked T. 1 N. R. 18 E. S. 27 M.C.B.T. An Ash 14 ins. in diam. bears N. 2° E. 41 lks. dist. Marked T. 1 N. R. 18 E. S. 27. M. C. B. T.
Land very bluffy and broken. Soil 2nd rate.
Timber scattering Oak, Elm, Hickory, Linn and Hackberry. undergrowth same and Hazel Brush.

N. 89° 58½ W. Parallel to S. boundary through middle of section 27. Knowing that it will strike the right bank of the Nemaha River in less than 80 chs.
Va. 11° 14' E.
Over very steep and broken bluffs.
5.50 Top of Ridge.
11.00 Center of Ravine in draw.
20.00 Set a Bl. Walnut post 4 ft long, 4 ins square, 24 ins in the ground for 1/16 Sec. Cor. Marked 1/16 S. on N. face; from which a Linn 18 ins in diam bears N. 75° W. 28 lks. dist. Marked 1/16 S. B. T. A Hickory 6 ins. in diam. bears S. 65° E. 20 lks. dist. Marked 1/16 S. B. T.
24.50 Top of Ridge
37.00 Center of Ravine in draw
40.00 Set a Bl Walnut post 4 ft long, 4 ins square, 24 ins in the ground for 1/4 Sec. Cor. Marked 1/4 S. on N. face; from which a Linn 12 ins in diam bears N. 28 lks dist. Marked 1/4 S.B.T. A Red Elm 8 ins in diam. bears S. 34 lks. dist. Marked 1/4 S. B. T.
50.50 Top of Ridge.
54.00 Center of Ravine in draw.
60.00 Set a Limestone 14 x 12 x 3 ins. 11 ins in the ground for 1/16 Sec. Cor. Marked 1/16 S. on N side from which a Bur Oak 8 ins in diam. bears S. 10° W. 33 lks dist. Marked 1/16 S.B.T. A Bl Oak 12 ins in diam bears S. 12° E. 45 lks. dist. Marked 1/16 S. B. T.
61.94 Right bank of Nemaha River. Set a Limestone 18 x 10 x 4 ins 14 ins in the ground for 1/4 Meander Cor. to frac. Sec. 27 Marked 1/4 M.C. on N. face from which a Sycamore 12 ins in diam bears N. 13° E. 43 lks. dist. Marked T. 1 N. R. 18 E. S. 27 M. C. B.T.

Subdivisions of frac. T. 1 N. R. 18 E.

A White Elm 24 ins in diam bears S. 38° W. 47 lks. dist. Marked T. 1 N. R. 18 E. S 27 M. C. B. T.
Land very bluffy and broken. Soil 2nd rate.
Timber scattering Oak, Elm, Hickory, Linn & Hackberry
undergrowth same, and Hazel Brush.

N. 89° 58 1/2 W. Parallel to S. boundary, through N 1/2 of Sec. 27. Knowing that it will strike the right bank of the Nemaha River in less than 80 chains.

Va. 11° 04' E.

Over very steep and broken bluffs.

4.00 Top of Ridge.
9.50 Center of Ravine in draw.
16.30 Top of Ridge.
20.00 Set an Oak post 4 ft long, 4 ins square, 24 ins in the ground for 1/16 Sec. Cor. Marked 1/16 S on N. face; from which a Bl Walnut 12 ins in diam bears N. 22° E. 62 lks dist. Marked 1/16 S. B. T. – A Bl Walnut 6 ins. in diam. bears S. 18° E. 32 lks. dist. Marked 1/16 S. B. T.
40.00 Set an Ash post 4 ft. long, 4 ins square, 24 ins in the ground for 1/16 Sec. Cor. Marked 1/16 S on N. face; from which a Linn 12 ins in diam. bears S. 45° E. 23 lks dist. Marked 1/16 S. B. T. – A Red Elm 14 ins in diam bears N. 42° W. 33 lks. dist. Marked 1/16 S. B. T.
41.00 Center of draw.
48.00 Top of Ridge.
57.70 Right bank of Nemaha River. Set a Limestone 18 x 12 x 4 ins; 13 ins in the ground for Meander Cor. to frac. Sec. 27, Marked 1/16 M. C. on W. face; from which a Bl Walnut 8 ins in diam bears N. 10° E. 30 lks. dist. Marked T. 1 N. R. 18 E. S 27, M. C. B. T. – A White Elm 24 ins. in diam bears S. 55° E. 14 lks. dist. Marked T. 1 N. R. 18 E. S. 27, M. C. B. T.
Land very bluffy and broken. Soil 2d rate.
Timber, scattering Oak, Elm, Hickory, Linn, Hackberry and Walnut.
Undergrowth same and Hazel Brush.

October 20th 1890.

Subdivisions of frac. T. 1 N. R. 18 E.

From the 1/4 Cor. in Center of Sec. 26 I run N. 0° 1' W. on a true line, parallel to Range Line through Middle of Sec. 26.

Va. 10° 49' E.

Over rough and very steep bluffs.

18.30 Foot of Bluffs.
18.80 Center of A & N. R. R track.
19.80 Right bank of Nemaha River. Set a Limestone 22 x 8 x 4 ins. 16 ins in the ground for Meander Cor. to frac. Sec. 26 Marked M. C. on N. face, dug a pit 3 ft. square, 1 ft deep 8 lks south of stone, and raised a mound of earth 2 ft. high, 4 1/2 ft base alongside.
Land very bluffy and broken. Soil 2nd rate.
Timber, scattering Oak, Elm, Hickory, Linn and Walnut. Undergrowth same & hazel brush.

From the 1/16 Cor. on middle line of Sec. 26 I run N. 0° 1' W. on a true line parallel to Range Line through Sec. 26.

Va. 10° 49' E.

Over rough and very steep bluffs.

14.00 Foot of Bluffs.
14.30 Center of A & N R R track.
15.40 Right bank of Nemaha River. Set a Limestone 20 x 10 x 5 ins 15 ins in the ground for Meander Cor. to frac. Sec. 26, Marked M. C. on N. face, dug a pit 3 ft square 1 ft. deep 8 lks S. of stone, and raised a mound of earth 2 ft. high, 4 1/2 ft base alongside.

Land – very bluffy & broken. Soil 2nd rate.
Timber – Scattering Oak, Elm, Hickory, Linn, and Walnut. Undergrowth same & hazel brush.

Subdivisions of frac. T. 1 N. R. 18 E.

From the 1/16 Sec. Cor in E. 1/2 on N line of Sec. 27 I run
N. 0° 1½ W. On a true line
Va 11° 04' E.
Over very steep and rough bluffs.

8.50 Foot of Bluffs.
8.75 Center of A. and N. R. R. track.
8.90 Right bank of Nemaha River. Set a Limestone 14x10x4 ins. 10 ins in the ground for M.C. to frac Sec. 27; Marked 1/16 M.C. on N side, dug a pit 3 ft. square, 1 ft deep, 8 lks South of stone; and raised a mound of earth 2 ft high, 4½ ft. base alongside.
Land. very bluffy and broken. Soil 2nd rate.
Timber. scattering Oak, Elm, Hickory, Linn, Hackberry and Walnut.
undergrowth same and Hazel Brush.

From the 1/16 Sec. Cor. in Center, on N. line of Sec. 27 I run N. 0° 1½ W. On a true line
Va. 11° 04' E.

7.50 Foot of bluffs.
7.85 Center of A. and N. R. R. track.
11.84 Right bank of Nemaha River. Set a Limestone 20x10x3 ins. 15 ins in the ground for Meander Cor. to frac. Sec. 27; Marked 1/16 M.C. on N. side; dug a pit 3 ft. square, 1 ft. deep, 8 lks S. of stone, and raised a mound of earth 2 ft. high, and 4½ ft. base alongside.
Land very hilly and broken. Soil 2nd rate.
Timber scattering Oak, Elm, Hickory, Linn, and Walnut.- undergrowth same & Hazel brush

From the Corner to Secs. 33 and 34 on South boundary, which is a Limestone 14x8x6 ins. 3 ins above ground firmly set; Marked S.C. on N. side with 3 notches on E. and W. sides - from which a Red Elm 8 ins in diam bears N. 28° E. 8 lks. dist. Marked T. 1 N. R. 18 E. S. 34 B.T. A Red Elm 8 ins. in

diam. bears N. 70° W. 30 lks. dist; Marked T. 1 N. R. 18 E. S 33 B. T. – A Linn 12 ins in diam. bears S. 15° E. 93 lks. dist. Marked T. 1 S. R. 18 E. S 3. B. T.

I run N. 0° 2' W. Parallel to Range Line between Secs. 33 and 34.

Va. 11° 19' E.

Over rolling ground.

2.50 Center of Ravine in draw.

12.00 Leave timber Ent. Cornfield.

20.00 Set a Limestone 18 X 12 X 3 ins, 13 ins in the ground for 1/16 Sec. Cor. Marked 1/16 S. on W. face; dug pits 18 X 18 X 12 ins N. and S. of Stone – 5½ ft. dist.; and raised a mound of earth 1½ ft. high 3½ ft. base alongside.

22.00 Top of hill, begin to descend to Nemaha bottom.

29.00 Enter Nemaha bottom.

40.00 Set a post 4 ft. long, 4 ins square, 24 ins in the ground for 1/4 Sec. Cor. Marked 1/4 S. on N. face; dug pits 18 X 18 X 12 ins N. and S. of post 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base around post.

45.10 Right bank of Nemaha River. Set an Oak post 4 ft. long, 4 ins. square 24 ins in the ground for Meander Cor. to frac. Secs 33 and 34. Marked M. C. on N. face, with T. 1 N. on S. face, and R. 18 E. S. 34 on E. and S. 33. on W. faces; from which a Cottonwood 26 ins in diam. bears N. 45° E. 13 lks. dist. Marked T. 1 N. R. 18 E. S 34 M. C. B. T. – A Hickory 12 ins in diam. bears S. 52° E. 40 lks. dist.; Marked T. 1 N. R. 18 E. S 34. M. C. B. T.

Land 12 chs rolling. 33 chs undulating and bottom – Soil 1st class.

Timber, scattering Oak, Elm, Hickory, Ash, and Cottonwood. – undergrowth same and Hazel Brush.

S. 89° 58½ E. Parallel to S. boundary.

On a random line through S. ½ of Sec. 34

Va 11° 04' E.

20.00 Set tem 1/16 Sec. Cor.

40.00 Set tem 1/16 Sec. Cor.

60.00 Set tem 1/16 Sec. Cor.

79.74 Intersect N. and S. line 6 lks N. of 1/16 S. C.

Thence I run

N. 89° 56' W. On a true line through S. ½ of Sec. 34.

Va. 11° 04' E.

Over rolling ground.

3.50 Leave timber Enter cornfield.

9.50 Leave Cornfield enter timber.

19.98½ Set a Bl. Oak post, 4 ft. long, 4 ins square, 24 ins. in the ground for 1/16 Sec. Cor, Marked 1/16 S. on N. face; from which a Bl Oak 12 ins in diam. bears N. 3¼ W. 64 lks. dist. Marked 1/16 S. B. T. A Bl Oak 7 ins in diam bears S. 88° E. 40 lks. dist; Marked 1/16 S. B. T.

39.97 Set a charred Oak post 4 ft. long, 4 ins square, 24 ins in the ground for 1/16 Sec Cor. Marked 1/16 S. on N. face; from which a Bl Oak 8 ins. in diam. bears S. 60° E. 13 lks. dist; Marked 1/16 S. B. T. – A Bl Oak 24 ins. in diam. bears N. 2° W. 97 lks. dist; Marked 1/16 S. B. T.

59.95½ Set a Bl. Walnut post, 4 ft. long, 4 ins square, 24 ins. in the ground for 1/16 Sec. Cor. Marked 1/16 S. on N. face; from which a White Elm 20 ins in diam bears N. 51° E. 70 lks. dist; Marked 1/16 S. B. T. – A Hickory 8 ins in diam. bears S. 13° W. 37 lks. dist; Marked 1/16 S. B. T.

62.00 Dry Creek bed.

76.00 Leave timber Enter Cornfield.

79.96 The S. 1/16 Sec. Cor. on W. boundary.

Land, rolling – Soil 1st rate.

Timber Oak, Elm, Hickory, Linn, Walnut and Ash, undergrowth same & hazel brush.

S. 89° 58½ E. Parallel to S. boundary, on a random line through middle of Sec. 34.

Va. 11° 04' E.

20.00 Set temp 1/16 Sec. Cor.
40.00 Set temp 1/4 Sec. Cor.
60.00 Set temp 1/16 Sec. Cor.
79.88 Intersect N. and S. Line at 1/4 Sec. Cor.
Thence I run
N. 89° 58½ W. Parallel to South boundary on a true line through middle of Sec. 34.
Va. 11° 04' E.
Over rolling and broken ground.
19.97 Set a charred Oak post 4 ft. long, 4 ins square 24 ins. in the ground for 1/16 Sec. Cor. Marked 1/16 S. on N. face; dug pits 18 x 18 x 12 ins E. and W. of post, 5½ ft. dist; and raised a mound of earth 1½ ft high, 3½ ft. base around post.
39.94 Set a charred Oak post 4 ft long, 4 ins square 24 ins in the ground for 1/4 Sec. Cor. Marked 1/4 S. on N. face; dug pits 18 x 18 x 12 ins on E. and W. of post, 5½ ft. dist; and raised a mound of earth 1½ ft. high, 3½ ft base around post.
54.50 Leave timber enter cultivated field.
59.91 Set a charred Oak Post, 4 ft. long, 4 ins. square 24 ins in the ground for 1/16 Sec. Cor. Marked 1/16 S. on N face; dug pits 18 x 18 x 12 ins E. and W. of post 5½ ft dist.; and raised a mound of earth 1½ ft high 3½ ft. base around post.
63.50 Leave field ent prairie
66.50 Leave prairie. Enter timber and dense brush.
79.88 The 1/4 Sec. Cor. on W. boundary.
Land rolling and broken. — Soil 1st rate.
Timber, Oak, Elm, Linn and Hickory. — The SE part of this Section contains some of the best timber on the Reservation.
October 21st 1890.

N. 89° 58½ W. Parallel to South boundary, on a true line through S. ½ of Sec. 33, Knowing that it will strike the right bank of the Nemaha River in less than 80 chains
Va. 11° 04' E.
Over rolling ground.
20.00 Set an Ash post 4 ft long 4 ins square 24 ins in the ground for 1/16 Sec. Cor. Marked 1/16 S on N. face; dug pits 18 x 18 x 12 ins E. and W. of post 5½ ft. dist; and raised a mound of earth 1½ ft high 3½ ft. base around post.
21.00 Enter timber.
26.50 Enter cultivated field.
40.00 Set a charred Willow post 4 ft. long, 4 ins. square, 24 ins in the ground for 1/16 Sec. Cor. Marked 1/16 S. on N face; dug pits 18 x 18 x 12 ins E. and W of post 5½ ft. dist; and raised a mound of earth 1½ ft. high, 3½ ft base around post.
44.00 Center of Roys Creek
62.45 Right bank of Nemaha River. Set a charred post 4 ft long, 4 ins. square, 24 ins in the ground for Meander Cor. to frac. Sec. 33, Marked 1/16 M. C. on W face, with T. 1 N. on N. & R. 18 E. S. 33 on S. faces, dug a pit 3 ft square 1 ft. deep, 8 lks. E. of post, and raised a mound of earth 2 ft. high, 4½ ft. base around post. Land rolling and level. Soil. sandy loam. 1st rate. Timber scattering. Oak, Elm, Linn & Hickory. - undergrowth same & Hazel Brush.

N. 89° 58½ W. Parallel to S. boundary. On a true line through middle of Sec. 33 Knowing that it will strike the right bank of the Nemaha River in less than 80 chs.
Va. 11° 04' E.
2.90 Right bank of Nemaha River, Set an Oak post 4 ft long. 4 ins square, 24 ins in the ground for Meander Cor. to frac. Sec. 33, Marked 1/4 M. C. on W. face, with T. 1 N. on N. R. 18 E. on S. and S 33 on E faces; from which a Bl. Oak 12 ins in diam. bears N. 20° W. 42 lks. dist; Marked T. 1 N. R. 18 E. S. 33 M. C. B. T.

From the 1/16 Sec. Cor. in E. ½ on line through S. ½ of Sec. 33 I run N. 0° 2' W. on a true line

Va 11° 04' E.

Over level ground.

7.70 Right bank of Nemaha River. Set a Red Elm post, 4 ft. long, 4 ins. square, 24 ins in the ground for Meander Cor to frac. Sec. 33; marked 1/16 M. C. on N. face, with T. 1 N. on S. face, R. 18 E on W. and S. 33 on E faces; from which a Cottonwood 15 ins. in diam. bears N. 16° W. 39 lks. dist; marked T. 1 N. R. 18 E. S 33 M. C. B. T. An Elm 8 ins. in diam bears N. 45° E. 39 lks. dist. marked T. 1 N. R. 18 E. S. 33 M. C. B. T.

From the 1/16 Sec. Cor. in middle of line through S. 1/2 of Sec. 33, I run N 0° 2' W. on a true line

Va. 11° 04' E.

Over level ground.

5.50 Center of Roye Creek.

9.75 Right Bank of Nemaha River. Set a charred Oak post 4 ft long, 4 ins square, 24 ins in the ground for Meander Cor. to frac. Sec. 33. marked 1/16 M. C. on N. face; with T. 1 N. on S face, R. 18 E on W. and S. 33 on E. faces; dug a pit 3 ft. square, 1 ft. deep 8 lks S. of post, and raised a mound of earth 2 ft. high, 4 1/2 ft. base around post.

From the 1/16 Sec. Cor. in W. 1/2 on line through S. 1/2 of Sec. 33 I run

N 0° 2' W. on a true line

Va 11° 04' E.

Over level ground.

9.11 Right bank of Nemaha River. Set a charred Oak post, 4 ft. long, 4 ins. square, 24 ins. in the ground for Meander Cor. to frac. Sec. 33, Marked 1/16 M. C. on N. face, with T. 1 N. on S. face, R. 18 E on W. and S. 33 on E. faces; from which a Maple 8 ins in diam. bears S. 40° W. 35 lks. dist; Marked T. 1 N. R. 18 E. S. 33 M. C. B. T.

Land, gently rolling and bottom - Soil

Sandy loam, 1st rate.

Timber in S.E. Cor. scattering Oak, Elm, Hickory, Linn and Walnut. undergrowth same and Hazel brush.

From the Corner to Secs. 32 and 33 on South boundary which is a charred Red Elm 4 ft long. 5 ins square firmly set 24 ins in the ground. Marked S. C. T. 1 N. R. 18 E. on N. face, S 33 on W. and S 34 on E. faces with 2 notches on W. and 4 notches on E. faces and pits 18 x 18 x 12 ins N.E. and W. of post. 5 1/2 ft dist. with mound of earth 2 ft high, 4 1/2 ft base around post.

I run N. 0° 03' W. Parallel to Range Line between Secs. 32 and 33.

Va. 11° 04' E.

Over bottom Land.

3.18 Right bank of Nemaha River. Set an Ash post 4 ft. long, 4 ins. square 24 ins in the ground for Meander Cor to frac. Secs. 32 and 33, marked M. C. on N. face; with T. 1 N. on S. - R 18 E. S 33 on E and S 32 on W. faces; from which a Maple 24 ins in diam. bears N. 80° W. 61 lks. dist. Marked T. 1 N. R. 18 E. S. 32 M. C. B. T. A Cottonwood 30 ins in diam. bears N. 62° E. 48 lks. dist. Marked T. 1 N. R. 18 E. S. 33 M. C. B. T.

Land level bottom. Soil heavy loam, 1st rate.

Timber some scattering maple and Cottonwood on river bank.

October 22d 1890.

Exterior Boundaries of frac. T. 1 N. R. 19 E.

I begin at the Cast Iron Monument, the initial point of Surveys for Kansas and Nebraska and run S. 89° 58½' E. On a true line on South boundary of Section 31.

Va. 10° 34' E.

Descend rough and almost perpendicular bluff

3.85 Foot of bluff.

3.96 Center of 1st and N R R track.

6.11 Right bank of Missouri River. Set a Limestone 20 X 12 X 5 ins 15 ins in the ground for Standard Meander Cor. to frac. Secs. 6 and 31 Tp 1 N and R. 19 E. Marked S. M. C. on E face. T. 1 N. R. 19 E. S. 31 on N. and T. 1 S. R. 19 E. S 6 on S. sides; dug a pit 3 ft square, 1 ft. deep 8 lks West of stone, and raised a mound of earth 2 ft high 4½ ft base alongside.

Land 4 chs. very bluffy and rough.

Soil heavy loam 1st and 2nd rate.

Timber scattering Oak, Elm, Hickory and Linn on Bluffs.

I begin at the Standard Corner to Township 1 N. Rs 18 and 19 E. which is a Cast Iron Monument. The initial point of Surveys for Kansas and Nebraska.

Thence I run North on Range Line between Secs. 31 and 36.

Va. 10° 34' E.

Descend over rough and bluffy ground.

4.50 Center of Ravine in draw.

5.50 Ascend edge of bluff.

8.00 Foot of bluff.

8.25 Center of 1st and N R R track.

11.74 Right bank of Missouri River. Set a Limestone 18 X 14 X 3 ins 13 ins in the ground for M. C. to frac Secs. 31 and 36. Marked M. C on N face T. 1 N. R. 19 E. S 31 on E. and T. 1 N. R. 18 E. S. 36 on W. sides.

Land Eastern slope of river Bluffs.

Soil. Black loam 1st rate.

Exteriors of frac. T. 1 N. R. 19 E.

Thence I run from the Meander Cor to frac. Secs 31 and 36 just established, down the river on Right-bank, with the meanders of the Missouri River

Va. 10° 34' E.

S. 27½° E. 13.24 chs. The S.M.C. to Secs. 6 and 31 - T. 1 N and S R. 19 E. which is a Limestone 20 X 12 X 5 ins, 5 ins above the ground firmly set, Marked S.M.C. on E. and T. 1 N. R. 19 E. S 31 on N. and T. 1 S. R. 19 E S 6 on S faces, and pit 3 ft. square 1 ft deep 8 lks W of stone and mound of earth 2 ft high 4½ ft base alongside.
Land level river bottom.
Soil heavy loam, 1st rate No timber
October 24th 1890.-

Exteriors of frac. T. 1 N. R. 19 E.

Latitudes, departures, and closing Errors.

Lines designated as-	True bearing	Distance	Latitudes		Departures	
			N.	S.	E.	W.
South boundary.	West	6.11				6.11
West boundary	North	11.74	11.74			
East and N. boundary.	S. 27½° E.	13.24		11.74	6.11	
Convergency.					00	
		Total	11.74	11.74	6.11	6.11
	Errors		0.00	0.00	0.00	0.00
			+	+	+	+

List of Names.

A list of the names of the individuals employed by David D. Pearis and Fred W. Miller, U. S. Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the Iowa Indian Reservation, said Reservation being situated in Frac. Townships 1 North Ranges 17, 18 and 19 E. in Nebraska and in Frac. Townships 1 South Ranges 17, 18 and 19 E in Kansas including Base Line from the Initial Monument to the Standard Corner to Secs. 35 and 36 T. 1 N. R. 17 E.

Sixth Principal Meridian, in Nebraska and Kansas, showing the respective capacities in which they acted:

S. A. Schuyler
R. T. Black
A. M. Mullins
C. Frank Pearis } Chainmen
J. B. Stouffer Axeman
Wm R. McCullough Flagman

Final Oath of Assistants:

We hereby certify that we assisted David D. Pearis and Fred W. Miller, U. S. Deputy Surveyor, in surveying all those parts or portions of the Fractional Townships 1 N and S. Ranges 17, 18 and 19 East, embraced within the boundaries of the Iowa Indian Reservation

Sixth Principal Meridian, in Nebraska and Kansas, as are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the U. S. Surveyor General for

S. A. Schuyler
R. T. Black
A. M. Mullins
C. Frank Pearis

J. B. Stouffer
Wm R. McCullough

Subscribed and sworn to before me this 29th day of November, 1890.

SEAL

Geo. W. Marsh
County Clerk
Seal.

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Final Oath of U. S. Deputy Surveyor.

~~I~~ We David D. Reavis and Fred W. Miller, U. S. Deputy Surveyors, do solemnly swear that, in pursuance of instructions received from Lewis A. Groff Commissioner of the ~~U. S. Surveyor General for~~ General Land Office, bearing date of the 9th day of June, 1890, ~~I~~ We have well, faithfully, and truly, in ~~my~~ our own proper person, and in strict conformity with the instructions furnished by the ~~U. S. Surveyor General for~~ Commissioner of the General Land Office, the surveying manual, and the laws of the United States, surveyed all those parts or portions of fractional Townships 1 N and S Ranges 17, 18 and 19 E embraced within the boundaries of the Iowa Indian Reservation

Sixth Principal Meridian, in ~~the~~ Nebraska and Kansas, as are represented in the foregoing field notes as having been surveyed by ~~me~~ us, and under ~~my~~ our directions; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the surveying manual, printed instructions, the special written instructions of the ~~U. S. Surveyor General for~~ Commissioner of the Gen'l Land Office and in the specific manner described in the field notes, and that the foregoing are the true field notes of such survey; and should any fraud be detected, ~~I~~ We will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

David D. Reavis
Fred W. Miller U. S. Deputy Surveyor.

~~Subscribed~~ and sworn to before me this 27th day of January, 1891.

Seal.

SEAL

Geo. W. Marsh
County Clerk
J.W.C.
M.M.R.

Approval.

~~Office of the U. S. Surveyor~~ General, Land Office
Washington, D. C. June, 1891.

The foregoing field notes of the survey of fractional townships 1 north ranges 17, 18 and 19 East and townships 1 south ranges 17, 18 and 19 East embraced within the boundaries of the Iowa Indian Reservation, 6th Principal Meridian in Nebraska and Kansas.

executed by David D. Reavis and Fred W. Miller, U. S. Surveyors under ~~his~~ their Contract No. ——, dated June 9, 1890, having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

T. H. Carter
Commissioner + Ex officio ~~U. S.~~ Surveyor General.
for Nebraska and Kansas

I certify that the foregoing transcript of the field notes of the above-described surveys in ——, has been correctly copied from the original notes on file in this office.

6—151

U. S. Surveyor General.

E
78609
1893.
J.H.B.

(4—207.)

Department of the Interior,

GENERAL LAND OFFICE,

Washington, D. C. September 8, 1893.

I, S. W. Lamoreux, Commissioner of the General Land Office, do hereby certify that the annexed copy of the field notes of the survey of fractional townships 1 North ranges 17, 18 and 19 east, embraced within the boundaries of the Iowa Indian Reservation, 6th P.M., Nebraska, executed by David D. Reavis and Fred W. Miller, U. S. Surveyors, under their contract dated June 9, 1890, is a true and literal exemplification of the official field notes of said survey on file in this office.

In testimony whereof I have hereunto subscribed my name and caused the seal of this Office to be affixed, at the City of Washington, on the day and year above written.

S. W. Lamoreux
Commissioner of General Land Office.

2703 b—2 m

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.