General Land Office • Original Field Notes

Book Number

151

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.

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VOL. 151

FIELD NOTES

OF

SURVEYS IN

TPS. 1 N., RS. 14, 15, 16, 17 and 18 E.

6TH PRINCIPAL MERIDIAN,

NEBRASKA.

IN THE YEARS

1855, 1856, 1863 1872, and 1890.

GENERAL INDEX.

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Book"A"-Exteriors, T.1 N.R.14 E. (Byers) Page 1. Index pg. 2.

Book"B"-Exteriors, T.1 N.Rs.15 & 16 E. (Thompson) page 15.
Lndex page 16

Book"G"-Meanders of Great Nemahaw, and South and West Forks of the (Missouri) Sac & Fox Reserved Lands in T.1 N.Rs 14,15 and 16 E. (Osbern) page 35,
Index page 36.

Book"H"-Exteriors. T.1 N.Rs.14,15 & 16 E. (Osbern) page 52.
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Book"I"-Subdivision Lines T.1 N.R.14 E. (Osbern) page 65.
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" -Subdivision Lines T.1 N.R.15 E. (Osbern) page 73.
Index page 74.

" -Subdivision Lines T.1 N.R.16 E. (Osbern) page 99.
Index page 100.

All of the above is situated between the south Fork, (Walnut Cr.) and West Fork (Honey Cr) of Great Nemaha.

Book"F"-Resurvey of "Base Line", and Subdivision of T.1 N. Rs, 16, 17 and 18 E. (Wheeler) page 117,
Index page 118.

" Resurvey "Base Line" T.1 N.R.17 E. page 120.

" " "Range Line T.1 N.Rs.16 & 17E. page 124.

" " Range Line T.1 N.Rs.17 & 18E page 126

" Meanders, Great Nemaha, T.1 N.R.16 E. page 127.

" Subdivision, T.1 N.R.16 E..... page 128.

" Subdivision & meanders, T.1 N.R.17 E. page 132.

" Subdivision & meanders T.1 N.R.18 E. page 171.

All of this survey by Wheeler is situated between the the South Fork (Walnut Cr) and Noharts Creek.

Saint Joseph

Buchanan County Mo.
Jany the 24th 1855.

D Vanderslice, Esq.
Indian Agent

Sir

Herewith are respectfully submitted Field Notes and Plat of the Sac and Fox of Missouri Reserve Lands, as also a description of the Boundaries and Area of the same

I have the honor to be

Sir with great respect

Your obed^{t} Servt

John S. Leonard

Dep. Surveyor and C. Engineer

Boundaries and Area of the Sac and Foxes of Missouri's Reserve Lands.

Beginning at the mouth of the South Fork of the Great Nemiha River and thence up the South West bank of the Great Nemiha with its Meanders to the mouth of the West Fork, thence up the West Fork with its Meanders to the line of the 40° of Parallel on the

West Bank of Creek (or Fork) where is established the South West Corner of the Sac and Fox Reserve by erecting a stone Monument from which the following references bears, viz:

A large Cottonwood tree 3 feet in diameter bears S 44 00 E 1.05 Chains. A rock bears N 30°00 W 50 links another rock bears N 50 00 West 50 links and another Rock bears due North 1 Chain. Thence East along the line of the 40° of Parallel to the West Bank of the South fork of the Great Nemiha River distance Fourteen Miles Twenty seven Chains and sixty links where is established the South East corner of the Sac and Fox Reserve by erecting a stone pile with a Black Walnut post in the centre of it from which a White elm two feet in diameter bears S 33 00 E 22 links and marked with the Letters S E COR for the South East corner and another Elm 18 inches in diameter bears S 39 00 E 105 chains and marked S E CBS E for the South East corner bearing and distance and another Black Walnut 9 inches in diameter bears S 15° 00 E 85 links and thence down the South fork with its Meanders to the point of Beginning.

CContaining 32,098 Acres 3 Roods 35 perches

John S. Leonard,
Deputy Surveyor &
C. Engineer.

Saint Joseph Mo)
Jany the 24th 1855)

(A)

1/3 3/4

FIELD NOTES

of the survey of the

EXTERIOR BOUNDARIES OF TOWNSHIP NO.1, NORTH

of the

BASE LINE OF RANGE NO.14 EAST

of the

6th PRINCIPAL MERIDIAN

NEBRASKA TERRITORY

Surveyed by

WILLIAM N. BYERS.

Deputy Surveyor.

Under his Contract No. 13 bearing date the 10th day of August, 1855.

Commenced August 18, 1855.

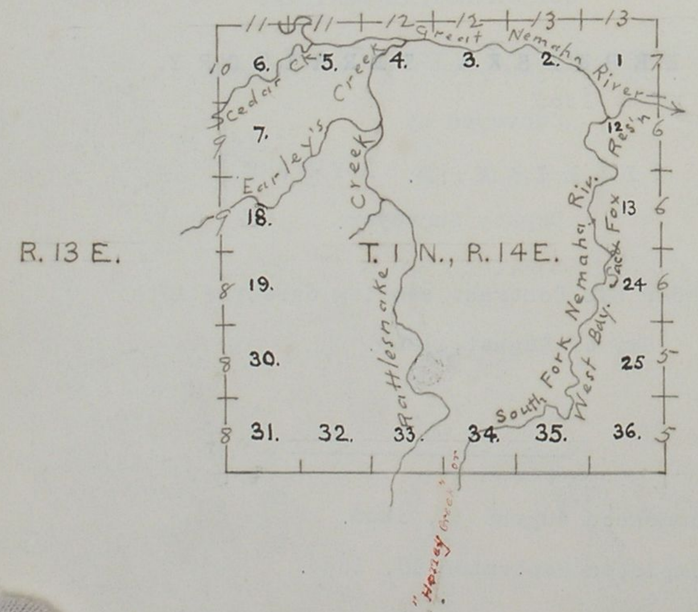
Completed September 10, 1855.

2

A list of the names of individuals employed to assist in running, measuring and marking, the lines and corners described in the following field notes of the exterior boundaries of Township No.1, North of the Base Line of Range No 14 East of the 6th principal Meridian, except the West boundary of Range No.12, in the Territory of Nebraska, showing the respective capacities in which they acted.

James W. McIlvain	Chainman
John Nevitt	"
Daniel Hamilton	Axman
Amos Mills	Flagman

INDEX.



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

United States of America)
Territory of Nebraska)
)

I, James W. McIlvain 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. McIlvain

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.

United States of America)
Territory of Nebraska)

I, Daniel Hamilton 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

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 & Nebraska.

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.

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

August 18th, 1855

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 surface in many places.
soil second rate

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 88E. 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 Lynn &c with an undergrowth of hazel,

Chains	
	briars & vines very thick - soil first rate
	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 -
	North on the East boundary of section 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 14 3/4° E. 5.00 lks. Land broken or hilly - and rocky prairie Soil third rate.
	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 Nemaha 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
	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 Nemaha settlements course from East to West
80.00	Set Limestone Rock 26 in long 15 in wide and 5 in thick for corner to section 1, 6, 31, 36, and Township 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.
	x x x x x

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 feet)
40.00 Set Limestone Rock 16 in long 14 in wide 3 in thick for quarter section corner
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

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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

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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

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North on the East Boundary of sections 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. bank of earth 20 feet high - gravel bed, water 6 in deep with 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

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.

East Boundary of T 1 N of R 13 E of the P M

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 Nemaha 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.

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x x x x x

Random on North Boundary of T 1 N of R 14 E West on Random on the North boundary of section 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 579.39
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 at the course at which I must run S 89° 52' E on true line

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True North boundary of T 1 N of R 14 East
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 Nemaha settlements, course N.E. & S.W.
74.75 Middle of south fork of Grand Nemaha 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

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S 89° 52' E on true North boundary of section 5

Var 12°East

5.80 South fork of Grand Nemaha River 60 lks. wide course N.W.
11.70 South fork of Grand Nemaha River 60 links wide course S 70° W

course S 70° W
40.00 Set Limestone Rock 18 in long 12 in wide & 5 in thick for qr. sec. corner
73.00 Wagon Road from Salem to upper Nemaha settelments , course from S 70° to N 80 W
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.

S 89° 52' E on true North boundary of section 4
Var 12° 10' East
3.60 Dry ravine course South, 10 feet deep
7.50 Top of high point course & Ascent North 120 ft

J. Runnell's 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 inthick for quarter section corner
70.00 Enter River bottom course NE & SW
74.00 Wagon Road from Salem to upper Nemaha settlements from 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

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S 89°52'E. on true 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 80°W
66.20 Leave Bottom land course N.W. & SE
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.

S 89° 52' E on true 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 true 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
80.00 To Township corner
Land hilly and on the East half mile somewhat rocky, all prairie
soil third rate.

September 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. 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 Nemaha 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

---

("B") Ok RH 15

EXTERIOR LINES

of

TOWNSHIP NO. 1 NORTH

of

RANGES NOS. 15 and 16 EAST

NEBRASKA TERRITORY

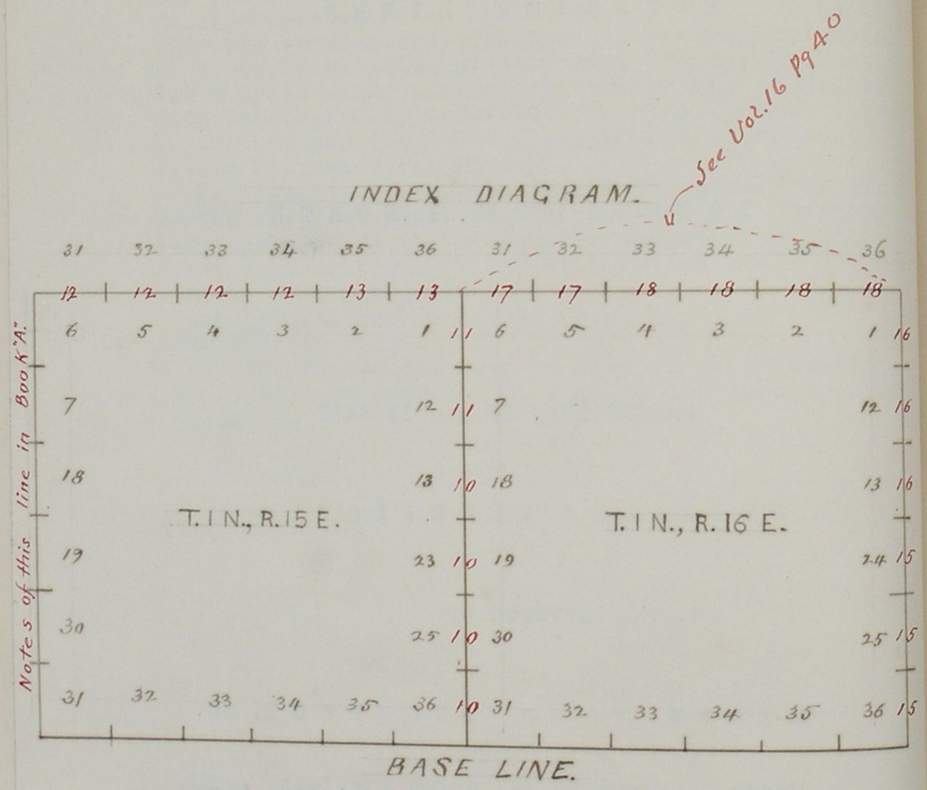
Surveyed by

MERIWETHER THOMPSON, JR.

Under Contract No.14, dated Aug.14th 1855.

Begun August 28th,1855

Finished September 28th,1855.



United States of America)
)
Territory of Kansas)

I, Charles T. Sommerville 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

Chas. T. Somerville

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

D. Vanderslice,
U. S. Indian Agent
Great Nemaha Agency

United States of America)
Territory of Kansas)

I, Phile A. Spangler 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

Philip A. Spangler

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

D. Vanderslice,
U. S. Indian Agent
Great Nemaha Agency

United States of America)
Tarritory of Kansas)

I, Alex. M. Brisco, 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

Alex M Briscoe

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

D. Vanderslice
U. S. Indian Agent
Gt. Nemaha Agency

United States of America)
Tarritory of Kansas)

I John Searcy 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 M. Searcy

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

D. Vanderslice
U. S. Indian Agent
Great Nemaha Agency

United States of America)
Territory of Nebraska)

I, Samuel S. Keifer 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.

Samuel S. Keiffer

Subscribed and sworn to before me this 31st August 1855

M. Thompson, Jr.

Deputy Surveyor.

United States of America)
Territory of Nebraska)

I, John M. Searcy 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

John M. Searcy,

Subscribed and sworn to before me this 31st August 1855

M. Thompson Jr.

Deputy Surveyor.

United States of America)
Territory of Kansas)

I John Welsh 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 Welsh

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

D. Vanderslice,
U. S. Indian Agent
Great Nemaha Agency

United States of America)
Territory of Nebraska)

I, Philip A. Spangler do solemnly swear that I will well and truly perform the duties of Compassman according to instructions given me and to the best of my skill and ability.

Philip A Spangler

Subscribed and sworn to before me this 31st day of August 1855.

M. Thompson Jr.
Deputy Surveyor

Witness
John M. Searcy.

United States of America)
Territory of Nebraska)

I, James Calvin Goolsby, do solemnly swear that I will well and truly perform the duties of Axeman according to the instructions given me and to the best of my skill and ability.

James C. Goolsby,

Subscribed and sworn to before me this 31st August 1855

M. Thompson Jr.
Deputy Surveyor.

United States of America)
Territory of Nebraska)

I, William Green do solemnly swear that I will execute the duties of chain carrier; that I will level the chain upon uneven ground, and plum the tally lins 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

William Green

Subscribed and sworn to before me this 31st day of August 1855.

M. Thompson Jr.
Deputy Surveyor

Witness
Chas. T. Somerville.

United States of America)
Territory of Nebraska)

I, John Welsh 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 notabke objects and the true length of all lines that I assist in measuring to the best of my skill and ability.

John X Welsh

Subscribed and sworn to before me this 12th day of September 1855

William Trammell
Justice of the Peace.

United States of America)
Territory of Nebraska)

I, James R. Trammell 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 R. Trammell

Subscribed and sworn to before me this 12th day of Sept. 1855.

William Trammell
Justice of the Peace.

United States of America)
Territory of Nebraska)

I, William Trammell 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.

William Trammell

Subscribed and sworn to before this 12th day of Sept. 1855

M. Thompson,
Deputy Surveyor.

Having traced the Base Line according to instructions west from the S.E. corner of T 1 N. R 15 E. I find with my instrument which is a transit of Blattners, the Variation to be at 9 Oclock A M 11° 21' East and with this I run

North on East boundary of Sec 36
Variation 11°21' E.

13.50 A Township corner on Johnsons Line bears S.55°W. 225 lks

40.00 Set Post in Mound, place under post a blue Granite Stone 6x6x3 with ¼ marked thereon.

80.00 Set a post in mound, deposited a Red Granite Stone 6x10x2 with notches as per instructions.

Land is rolling prairie without wood or water

North on East Boundary of Sec 25
Variation 11°10'E (10 oclock P M)

40.00 Set a Limestone 15x9x4, ¼ Sec Corner

80.00 Set a Limestone 15x11x5 corner Sec 24 & 25

Land Rolling Prairie, rich Soil. A small stream west.

North along East line of Sec 24
Var 11°37' (3 oclock P.M.)

19.50 Cross Prairie Branch 3 Lks wide, runs N.E.

40.00 Set a Post in Mound. Deposited a Limestone 9x4x2

55.00 Leave rolling ground, strike the valley of Big Nemaha

80.50 Set a Post in Mound, deposited Limestone 5½x3½x2½

Land rich rolling Prairie.

North along East line of Sec.13
Variation 11°30'E.

37.00 Bank of Big Nemaha

38.05 Edge of Water

At 155 links back from the Water's edge, I measure 100 Links West to a point from which a flag placed on the North bank bears N 20°E making a triangle with

angles 90° 70° & 20° with a perpendicular of 100 Lks. consequently the Base is 350 Lks. This Flag on North Bank is 86 Links N of Water's edge leaving surface of Water 109 Lks Course N of E

40.00 Flag on North Bank

" " Set a Post from which
A Maple 12 in diam bears S.36°E. 48 Lks
A Box Elder 6" " " N.27°W. 71 "
Tuesday August 28th 1855.

80.00 Set a Limestone 16x15x2½ corner secs. 13 & 12
The land on the South side of the Nemaha is fine bottomland, but on the North side there are several wet spots. Timber in west half of Sec 13.

North along East Boundary of Sec 12
Var 11°33'(8 Oclock AM)

24.00 Cross the Road leading up the valley of Nemaha
33.00 Strike rolling Prairie leaving bottomland
40.00 Set a Limestone 16x14x2
80.00 Set a Limestone 24x14x3 corner Sec 1 & 12
Land First class ½ Bottom and ½
Rolling Prairie

North along East Boundary of Sec 1

Variation 11°48'E.

40.00 Set a Limestone 17x11x2
80.00 Set a Sandstone 34x7½x5½ corner of Townships 1 & 2
North of Ranges 15 & 16 East
Land 1st Class Rolling Prairie neither wood or water

(of Tps.1 and 2 N.,Rs.15 and 16 E.)
From this corner I run West on Random and intersect the West Boundary 14 Links South of the proper corner, having measured 479.28 chs.
August 29th 1855.

East on True line between Secs. 6 & 31
Variation 12°15'E.

17.28	A Ravine,runs North
25.28	A Ravine runs North
39.28	Set a Limestone 13x11x3
66.28	Leave Rolling Prairie enter valley
79.28	Set a Limestone 24x14x2½

Land 1st Class

East on True Line between Secs 5 & 32
Variation 12°15'E.

40.00	Set a Limestone 15x14x3
45.00	Slope of Rocky point.
50.50	Dry Bed of Branch runs North.
60.00	Dry Bed of Branch runs North. Timber between Branches.
63.00	Strike steep Bluff prairie.
70.00	Top of Bluff
80.00	Set a Limestone 18x12x3 corner Sec 4 & 5- Land in 5 rather rough , in 32 1st Class.

East on True line between Sec.4 & 33
Variation 12° 15'

40.00	Set a Limestone 13x9x5
75.00	Strike Brush & Timber
78.40	Right Bank of North Fork of Big Nemaha
79.00	Left Bank " " " " " "
80.00	Set a Limestone 25x7x5 corner Sec. 4 & 3

Land 1st Class Prairie in Sec 4 and 33

East on True line between Sec 3 & 34
Variation 12°15 E.

9.86	Instrument
10.95	Bank of River
	At Instrument I offset 211 Links North to a point from which a Flag on right bank bears S.50°E making distance from Instrument to Flag 264 Links. The Flag is 100 Links East of Bank
11.50	Right Bank of Nemaha
22.00	Strike wet ground
26.00	Leave wet ground
31.50	Place Instrument from which I place two flags on left Bank of Nemaha, one in true Line, the other at an angle of 20° from the last flag I run North 100 Links and intersect true line 86 Lks. East of Left Bank making distance from Place of Instrument to point of intersection 350 Lks.
32.72	Right Bank of Nemaha. Surface Water 60 Lks Course S.E.
40.00	Set a Limestone 15x12x3½ at Edge of Brush and Timber and in Road up the Valley of the Nemaha
80.00	Set a Limestone 20x10x4 Corner Sec 2 & 3 Land 1st Class. West half has Fine Timber

---

East on True Line between Sec 2 & 35
Variation 12°15'E.

20.00	Leave valley, strike rolling Prairie.
40.00	Set a Sandstone 14x12x4 (in prairie hollow)
80.00	Set a Sandstone 21x9x2 corner sec 1 & 2 Land 1st Class soil, no timber

---

East on True Line between Secs 1 & 36
Variation 12°5'E.

24.50	Strike Roberts ploughed ground
30.00	Leave ploughed ground
40.00	Set a Limestone 14x14x3
45.00	Cross Road from Archer to Salem.
80.00	Township Corner. Sandstone 34x7½x5½ Land 1st Class Rolling Prairie

---

This Township is very valuable and contains many squatters
The Nemaha its forks and tributaries giving it an unusual abundance of wood and water, for an inland Township. The Town of Salem is somewhat near the S.W. corner of Sec 11, between the forks of the Nemaha.

List of Names of Assistants.

I was assisted in running, measuring and marking the lines of T 1 N.R 15 E. by

P. A. Spangler	flagman
Chas. Sommerville	flagman
Alex Briscoe	Chainman
John M. Searcy	Chainman

Having no regular axeman the chainman and I did the duties

M. Thompson Jr
Deputy Surveyor

August 30th 1855

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x x x x x

Beginning at the SE Corner of T. 1 N. R. 16 E. which I find to agree with the description furnished me by the Office, I trace the Base Line One Mile West and find the Variation to be 11°50'E. and with this I run,

North on True Meridian along East Boundary of Sec. 36-

Variation 11°50'E.

30.00 Leave rolling ground, Strike Valley of South Fork
40.00 Set a Limestone 14x10x5
65.00 Strike Hills again
80.00 Set a Limestone 17x9x4½ corner Sec 36 & 25
Land 1st Class. South Fork through Sec 36
Men all broke down from intense heat
Sept. 8th 1855.

Resume at Corner Sec 36 & 25 and run North on True Line along East Boundary of Sec 25

Variation 11°40'E.

17.00 Trail from Sac to Iowa Village
25.00 Strike Hazle Brush
40.00 Set a Limestone 19x13x3½
50.00 Strike the Valley of Big Nemaha Leave Hills & Brush
66.00 Right Bank of Nemaha
I fall a tree across in Line and measure over
67.00 Left Bank of Nemaha. Water 60 Lks wide Course East
80.00 Set a Limestone 18x10x4½ cor Sec 25 & 24
Land is 1st Class with a body of Timber in Sec 25, a strip through 30. Timber Walnut

---

North on True Line along East Boundary of Sec 24

Variation 11°45'

20.00 The Nemaha is 5 chs East. Bears off East
35.00 Strike a wet swampy spot
40.00 Set a Limestone 14x10x3
42.50 Leave wet spot
65.00 Strike rolling prairie, leaving bottom
80.00 Set a Limestone 18x10x4 corner Sec 24 & 13
Land is 1st Class Prairie

North on True Line along East Boundary Sec 13
Variation 11°45' E

16.00	Iowa Village bears S 41°E. 2 miles
40.00	Set a Limestone 14'x13'x3'
80.00	Set a Limestone 14'x14'x 4' corner sec 13 & 12

Land rolling Prairie Soil 1st Class
neither wood nor water.

North along East boundary of Sec 12
Variation 11°45'E

21.50	Prairie Hollow runs East into Muddy creek
40.00	Set a Limestone 14'x7'x4'

Sept. 10th 1855

65.00	Strike Hazle Thicket
75.40	A Bur Oak 15 inches Diam
80.00	Set a Limestone 18x10x3 corner Sec 12 & 1

Land 1st Class

North on True Line East Boundary of Sec 1
Variation 11°50'E

3.00	Descend Bluff into valley of Muddy Creek
10.00	Dry Bed of Branch
27.50	Strike Muddy Creek, a strip of timber on each side.
	Water 40 Lks wide runs N E
	General course S.E.
35.50	Strike the cornfield of A Ovenden
40.00	Set a Sandstone 14x12x5
41.50	Leave the field
50.00	Strike Hills
80.00	Set a Limestone 27'x9'x6 corner to Townships 1 & 2

N of Ranges 16 & 17 East
Land 1st Class squatter on each ¼ Sec.

Begin at the N.E. Corner of T 1 N. R. 16 E. I run
West on Random
Variation 11.40
80.00 I leave the field am, Sick, Compassman continues
160.00 Stop for the day

Sept 11th 1855

Continue the Random Line from corner 2 & 3

West on Random
479.75 Intersect the Range Line on west Boundary 530 Lks South of Established Corner I immediately return return to the S.E. Corner of this Township, and remeasure the Meridian Line, which I find to be correct.

Sept 12th 1855

I again begin at the N.E. Corner, having found my previous Random to have been started incorrectly while sick on the 10th and run
West on Random Line with a Variation of 11°30 E
478.97 Intersect Range Line 10 Links South of Established corner, my correction will be 14 Lks. per mile
Variation at this corner 11°55' I now run

East on True Line between Sec 6 & 31
Variation 11°,55'E.
38.97 Set a Limestone 16x12x2
56.00 Strike and follow Road from Salem to Archer
78.97 Set a Limestone 21'x12'x4' corner Sec 6 & 5
Land 1st Class rolling Prairie

East on True Line between Sec 5 & 32
Variation 11°55
35.00 A Prairie Hollow runs South
40.00 Set a Limestone 16'x14'x3'
80.00 Set a Limestone 20'x14'x4' corner Sec.5 & 4
Land 1st Class rolling Prairie.

East on True Line between Sec 4 & 33
Variation 11°50'E

40.00 Set a Limestone 18'x12'x3'
80.00 Set a Limestone 12'x12'x4' corner sec 4 & 3
Land 1st Class rolling Prairie.

East on True Line between Sec 3 & 34
Variation 11° 35' E.

17.00 A Prairie hollow runs North
40.00 Set a Limestone 14x14x2½
77.50 A Spring 1 ch. South runs North
80.00 Set a Limestone 18x12x4 corner Sec 3 & 2
Land 1st Class rolling Prairie

East on True line between Sec 2 & 35
Variation 11°30 E

40.00 Set a Limestone 20x12x4
43.50 Strike Brush and Timber
53.00 A Double Walnut 17 inch & 14 inch Diam
57.00 Right Bank of Muddy Creek, Water 40 Lks wide course South
60.50 Leave Brush & Timber, Road from Archer to Salem
80.00 Set a Limestone 16'x16'x3½' corner Sec 2 & 4
Land is 1st Class, good Timber on Muddy Cr
Mostly Walnut.

East on True Line between Sec 1 & 36

Variation 11° 28' E.

21.50 Strike Left Bank of Muddy in bend. I offset 100 Lks North then run East 200 Lks and offset south 100 Lks to Line
23.00 Bank of Muddy
40.00 Set a Limestone 16x14x3 -
80.00 Strike Township Corner of T 1 & 2, R 16 & 17
Land 1st Class.

Township No. 1 North Range 16 East has Nemaha near its South Line and Muddy Creek near its North Line with some fine Timber on each. The Falls of the Nemaha are in this Township and are considered very valuable for the Water power - Several Squatters have farms in it.

List of Names.

I was assisted in running, measuring and marking the Lines of T 1 N. R. 16 E. recorded on preceeding pages by

R. A. Spangler	Compassman
Chas. Sommerville	flagman
John M. Searcy	flagman
Alex. Briscoe	chainman
James Trammell	chainman
John Welsh	chainman
Wm. Trammell	Axeman

M. Thompson Jr
Deputy Surveyor

Sept. 14th 1855

34/35

N O T E .

BOOKS "C" "D" and "E" ~~from pages 35 to 128 inclusive~~ are for Fractional Townships on the North side of the River and do not belong to this Reservation, and therefore not included in this Volume — No. 150.

(G)

Meanders 36

For Oaths under this Contract see page 115
No Approval found

FIELD NOTES

of the

SURVEY

OF THE SACS AND FOXES OF

MISSOURI

RESERVED LANDS.

By

Thomas A. Osbern.

Under contract with WM.P.Dole
Commissioner of Indian Affairs,
bearing date the 13th day of
June A.D.1863.

Boundary Lines.

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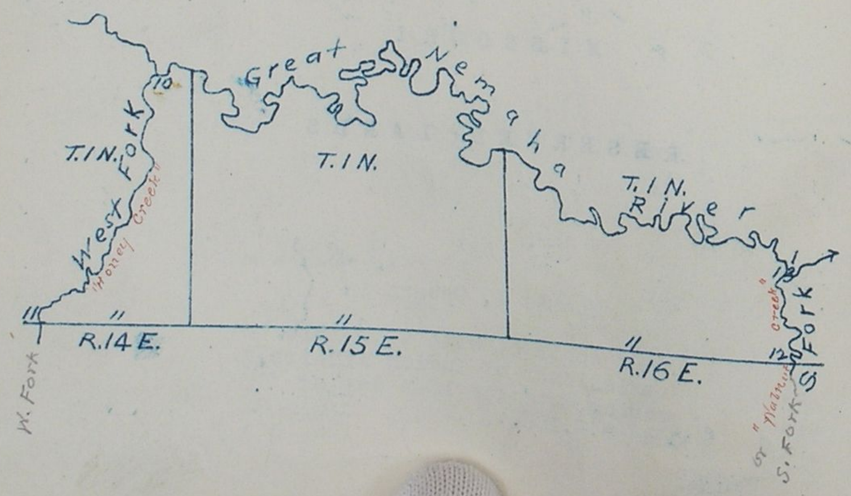
INDEX DIAGRAM.



Meanders

Commenced at the mouth of the South Fork of the Great Nemahaw River, and then proceeded up on the South bank of the Great Nemahaw following its Meanders

Magnetic Variation

11° 45 East

Length of Chain 4 Poles.

Stations	Courses	Dist. 4 P.Chain	Remarks
1	N 5°E	28.00	
	N 11°W	6.58	Station marked on Black Walnut 12 ins Diameter
	D North	33.85	Station marked on a Tree 12 inches diameter on bank of River
	S 37 00 W	20.73	
	S 86 West	28.45	Prairie and brushy bottom apparently very rich soil River.
	N 45 30W	21.50	Heavily timbered
	S 71°25W	28.00	Station marked on Oak 14 inches diameter on the top of hill
	S 83 00W	3.50	
	N 77 30W	11.14	To the bank of the Middle Fork or Camp Creek.
	S 53 00W	5.75	This △ lies 14 links to the North of a Cottonwood Tree 2 feet in diameter
	S 84 00W	17.92	on the East bank of the Middle Fork or Camp Creek The Creek bears

Stations	Courses	Dist. 4 P.Chain.	Remarks.
	N 22 00 W	7.84	S 27° East bed of Creek lime-
	N 22 30 W	11.50	stone and falls 3 feet 9 in-
	S 89 00 W	77.35 from	ches the falls are 10 chains the mouth or junction with the Great Nemahaw River and is heavily timbered. Land excellent for cultivation.
	S 75 00 W	13 06	
	S 64 00 W	9 90	To the Falls of the Great Ne-
	N 85 00 W	9 09	mihaw River falls 3 ft high Crossed at 250 links a Ra- vine entering the Falls.
	S 39 00 W	3.24	
	S 62.30 W	6.53	
	N 71 30 W	3 20	Crossed a Ravine at 200 links
	S 75 00 W	11.20	" " at 400 "
	N 72 00 W	64.78	Crossed a stream at 4 chains and empties at 10 chains in- to the Great Nemahaw. Cross- ed another stream at 52 chs. Bottom very brushy.
	S 70 30 W	4.00	
	N 57 30 W	11 60	Crossed a Ravine at 700 and another at 10 chains.
	D North	18.30	Bottom large and heavily tim- bered Chiefly black Walnut red elm & oak
	N 28 30 W	10 50	
	N 87 30 W	2.34	
	N 23 00 W	12.45	
	S 87 00 W	16 23	
	N 7 00 W	13 94	
	N 22 00 W	16 00	
	S 70 00 W	7.40	
	N 5 00 W	10 23	
	S 71 00 W	6 84	
	N 57 00 W	25 00	
	S 73 00 W	5.10	

Stations	Courses	Dist.	Remarks.
	S 73 10 W	28 79	Bottom heavily timbered
	S 3 45 W	7.50	Station marked on Cottonwood tree 2 ft 8 inches diamr. Crossed a Creek at its mouth 28 links wide & bears S 73 E the bottom by the river and along the creek is heavily timbered.
	S 30 45 W	4.34	
	S 46 30 W	5 00	
	S 67 00 W	2 78	
	S 76 30 W	2 79	
	N 43 30 W	2.10	
	N 81 30 W	7 90	Station marked on Cottonwood tree 3 feet in diamr. undulating prairie with high bluffs to the west a splendid fertile valley between the bluffs & River
	S 87 00 W	7 38	
	N 45 00 W	26.18	
	N 13 00 E	30 50	Crossed a ravine at 22.26 ch
	N 58 30 E	13 30	
	N 81 30 W	7 40	Station marked on a Cottonwood tree 18 inches diamr.
	N 80 00 W	7 00	
	N 48 45 W	3 55	
	S 76 30 W	3.51	
	N 38 00 W	19 25	
	N 62 30 E	34 78	At a distance 22 chs on the line a house owned by a Mr. Walker and pre emptied by him lies between the line & River in an angle.
	N 12 30 E	13 00	
	N 80 00 W	5 08	
	S 72 00 W	11 60)	Bottom heavily timbered
	N 39 00 W	8 40)	
	N 23 00 W	10 55)	
	S 87 30 W	8 00)	Station marked on Cottonwood tree 3 feet in diameter and

		stands on the bank of River
N 25 00 W	5.20	this bottom heavily timbered
N 45 00 W	13 45	
N 55 30 W	9 86	Station marked on a Black walnut 3 feet in diamr
S 80 30 W	3 70	
S 10 00 W	9 11	
S 23 30 W	12 08	
S 85 30 W	9 54	
S 85 00 W	30 15	
N 32 00 W	8 61	
N 20 00 E	13 82	Station marked on Oak 18 inches diameter
N 80 30 W	8 13	Same remark as above
N 36 30 W	11 13	
N 61 00 E	7 98	
N 16 45 E	5 86	) all this bottom heavily timbered with Black Walnut
N 53 00 W	6.40	) Red Elm and Oak
N 56 30 W	4 09	Station marked on Oak 2 feet in diameter & 50 links from river
N 22 30 W	11 05	
N 52 00 W	6.49	
N 70 30 W	4 00	Station marked on a Black Walnut 9 in D
S 30 00 W	2 75	
S 15 30 E	7 40	Station on oak 2 ft diameter
S 46 00 W	13 75	This line passes thro the water
S 61 00 W	3 75	
S 32 00 W	5 32	) Station on B Walnut 3 ft in Diameter opposite the North Fork
S 51 30 E	4 80	) The Creek at its mouth is 70 links wide and bears from sta-
S 67 30 E	3 50	) tion N 33 West.
S 46 00 E	14 79	
S 32 30 W	6 45	
S 59 00 W	9.80	
N 38 40 W	10 00	

Station	Bearing	Dist.	Remarks.
	S 16 30 W	5 17	
	S 55 00 W	4 50	
	S 73 00 W	21 65	
	N 34 00 W	4 05	
	N 7 00 E	11 47	
	N 58 00 E	2 62	
	S 82 00 E	10 40	Station marked on a forked Elm 1 foot dia
	N 73 00 E	2 35)	all this bottom heavily timber-ed.
	N 42 00 E	3 23)	
	N 3 00 W	5 51)	
	N 67 00 W	4 14	Station on Cottonwood 2 ft Diameter a House bears S 42° W
	N 84 30 W	6 40	do on B Walnut 5 feet in diameter the above house bears S 10 E
	S 81 30 W	5 30	The house remarked in the two last ⊿ owned by Mr.Roberts bears S 57° 30 E
	S 63 30 W	8 00	
	S 81 30 W	5 00	S 45 30 E. 3.05 Station on Cottonwood with 4 forks on the angle of river S 4 00 E 8.00
	S 43 00 W	10 00	
	S 45 30 W	8 75	
	N 78 30 W	10 14	This line passes through the water
	N 48 45 W	6 52	Heavily timbered
	S 54 30 W	13 30	
	S 53 00 E	3 65	Station on Cottonwood 3 ft diameter
	S 79 00 E	3 00	
	S 81 00 E	8 28	
	N 84 00 E	16 86	This line passes in the centre of road to the end of it
	S 64 30 W	8 90	
	S 12 00 E	5 45	Station marked on Cottonwood tree 3 ft diameter
	S 39 00 W	4 00	
	S 77 00 W	11 00	Heavily timbered

Station	Bearing	Dist.	Remarks.
	S 18 00 E	4 00	Heavily timbered
	S 27 30 W	6 00	" "
	S 40°30 W	4 00	" "
	S 42 30 W	2 92	
	S 18 00 E	2 58	Station marked on large cotton-wood overhanging the river
	S 23 00 E	5 08	
	S 31 30 E	4 74	
	S 40 00 E	4 37	
	S 49 00 E	7 65	
	S 65 30 E	8 90	
	S 21 30 W	9 67	This line passes on the edge of River high stony bluffs to the East of river.
	N 56 00 W	6 48	
	N 17 00 W	2 25	
	N 83 00 W	2 42	
	N 50 00 W	11 25	Crossed the mouth of a deep fork or water cut, at 200 heads SW and is very heavily timbered
	N 82 30 W	5 52	
	S 63 00 W	5 19	
	S 40 00 W	7 65	
	S 70 00 W	4 80	Crossed at this point a Fork heads ESE and is 80 links wide heavily timbered
	N 65 00 W	3 00	a small island to the left of line
	N 51°30 W	2 90	Crossed the mouth of a deep water cut.
	N 18 00 W	7 60	This line to within 50 links of the end passes in the water
	N 17 00 E	5 55	
	N 54 00 E	4 20	
	N 53 00 E	2 15	
	N 41 30 E	2 50	Singleton's house on the North side river opposite △
	N 11 30 E	2 70	
	N 65 00 W	2 66	

Station	Bearing	Dist.	Remarks.
	Due West	2.34	△ Marked on B Walnut 18 inches diameter
	S 52 00 W	4.06	
	S 5 00 W	6 28	
	S 45 00 W	3 32	
	S 87 00 W	6 89	△ on a large oak 3 ft 6 in diameter
	N 48 00 W	8 69	
	N 32 30 W	4 86	
	N 41 00 E	6 00	
	N 40 00 E	8 04	
	N 23 00 E	6 35	
	N 10 30 E	2 91	
	N 41 30 W	3 18	
	N 37 30 W	1 63	
	N 61 50 W	2 79	
	N 77 30 W	3 55	
	S 83 00 W	3 00	
	due West	7 89	
	S 57 40 W	12 05	Prairie
	N 61 30 W	3 77	
	N 20 30 W	9 32	Bottom very brushy
	N 40 00 W	3 40	
	N 48 00 W	4 00	
	N 57 00 W	5 50	
	S 65 30 W	4 80	
	S 82 30 W	8 54	To the mound erected by Isaac McCoy as the NW corner of the Ioway Lands in open prairie
	N 69 00 W	5 81	
	N 31 30 W	13 59	
	S 41 30 W	2 33	
	S 20 00 W	9 00	this line for about half its length is on the edge of water
	S 35 00 W	6.19	
	S 65 30 W	11 73	Heavily timbered and excellent prairie
	S 52 00 W	8 56	

Station	Bearing	Dist.	Remarks.
	S 14 30 E	6 22	Same remark as above
	S 2 30 E	5 80	
	S 50 00 W	3 00	At this angle some heavy timber between the river and bluff &
	N 79 00 W	9 88	extends 9 chains broad
	N 73 30 W	6 32	A splendid valley of the best timber here and is over 20 chains
	S 84 00 W	3 20	broad
	S 13 00 E	2 17	
	S 17 00 E	5 72	
	S 38 30 E	5 85	a large quantity of Timber to the h of the river
	N 54 30 E	5 00	
	N 71 00 E	6 22	
	S 51 00 E	4 40	Station marked on Cottonwood 2 feet in diameter
	S 12 30 W	8 03	Station on Bur Oak 3 feet in diameter
	S 53 00 W	9 60	
	S 45 00 W	2 80	
	S 39 00 W	5 50	
	N 49 00 W	6 82	
	S 81 30 W	3 34	The Bottom along this place heavily timbered
	D South	3 40	do do do do
	S 5 30 E	7 00	A small Island here
	S 29 30 W	4 93	Crossed a Ravine at 200
	N 61 30 W	4 75	Crossed a deep Water cut at 300 some timber on it
	S 83 30 W	4 11	
	S 87 30 W	366	Bottom bery brushy
	N 85 00 W	2 51	
	N 64 00 W	2 36	Station on Burr Oak 2 feet in diameter
	N 84 00 W	5 88	
	N 73 00 W	4 83	

Station	Bearing	Dist.	Remarks.
	N 72 30 W	4 31	Station on Cottonwood 18 inches diamter river bank heavily timbered & between the river &
	N 69 30 W	4 55	"Bluffs "
	N 60 30 W	5 28	Crossed a deep water cut Some timber in it
	N 68 00 W	13 60	Steep bluff to the South of River.
	N 2 00 W	4 00	Crossed a stream at its mouth distance 1 chain in the line heads South West Some timber on it
	N 38 30 E	3 00	Crossed a stream 18 links wide Some timber on it.
	N 65 00 E	6 45	
	S 42 00 E	8 93	
	N 82 00 E	5 38	Heavily timbered
	N 44 00 E	6 40	Station on large Cottonwood 2 ft in diameter
	N 30 00 E	4 48	
	N 75 W	2 45	
	N 63 00 W	9 00)	
	N 13 00 W	16 60)	
	N 46 00 W	5 20)	Heavily timbered
	N 11 00 W	8 00)	
	N 65 00 E	19 00)	
	Due North	6 00)	
	N 11 00 E	13 00)	
	N 27 00 W	5 00	
	N 52 00 E	5 75	
	Due North	13 00	
	N 68 00 E	18 00	
	N 88 00 E	10 00	Low prairie bottom heavily timbered by the river apparently the best soil
	D North		
	N 43 00 E	16 00)	
	N 22 10 W	11 00)	
	N 32 30 E	21 00)	By river bank well timbered
	N 28 00 W	30 00)	
	N 5 00 E	14 00)	Splendid Prairie bottom

Station	Bearing	Dist	Remarks.
	N 61 30 W	22 00)	
	N 29 00 W	13 00)	
	S 85 00 W	24 00)	
	N 57 15 W	15 00)	
	S 78 00 W	25	
	S 50 00 W	11 00	
	N 21 00 W	9 00	To the mouth of the West fork and then proceeded up the West Fork of the Great Nemaha River with its meanders to the line of the 40° of Parallel
	West Fork		
	S 41 00 W	25 00	
	S 16 00 W	40.00	
	S 30 00 W	16 40	
	S 14 00 E	21 40)	
	S 46 00 W	15 00)	
	N 8 00 W	16 00)	Heavily timbered along the Creek Prairie rich and good for cultivation.
	S 8 00 W	20 00)	
	S 47 00 E	22 00)	
	S 11 00 W	25 00)	
	S 49 00 W	10 00	
	S 48 00 E	13 00	
	S 18 00 W	22 00	
	S 70 00 W	14 80	
	S 10 00 W	17 10	
	S 44 00 E	38 00	Crossed the Creek at 6 chains and at 9 ch
	S 46 00 W	12 40	
	N 53 00 W	6 00	
	S 15 00 E	38 00	
	S 39 00 W	13 00	
	S 50 00 E	8 00	
	S 33 00 W	42 00	Crossed the Creek at 7 ch at 16 ch at 23 ch and at 36 chains creek heavily timbered with black walnut red Elm & Oak

Station	Bearing	Dist	Remarks
	S 5 00 W	12 00	
	N 87 30 W	9 00	
	S 25 00 W	32 00	Crossed the Creek at 5 ch at 15 ch and at 30 chains
	S 40 00 W	17 00	
	S 9 00 W	16 00	
	N 42 30 W	14 00	
	S 27 30 W	28 00	Heavily timbered
	N 76 30 W	10 00	
	S 44 15 W	13 00	
	S 39 00 E	10 00	Crossed the Creek at 5 chains
	S 79 00 W	30 00	" " at 16 chains
	S 45 15 W	18 00	
	S 52 00 W	17 00	Crossed the creek twice on this line
	S 32 30 W	22 00	To the corner of the Sac & Fox Reserve on the west bank of Creek on the line of the 40° of Parallel where is established the S W corner of the Missouri Band of Sac and Fox Reserve Lands by erecting a stone mount from which the following reference bears, viz

A large cottonwood tree 3 feet in diameter bears South 44° E 150 chains A Rock bears N 30 W 50 links another rock bears N 50° West 50 links and another rock bears due North 1 Chain.
(N.B. the Cottonwood Tree is marked with the bearings and distances).

And then proceeded East along the line of the 40° of parallel to the South fork of the Great Nemihaw River a distance of Fourteen mile twenty seven chains and sixty links - on the west bank of which is established the SE corner of the Sac and Fox of Missouri Reserve Land By erecting a stone pile with a Black Walnut post in the centre of it - from which a White Elm 2 feet in diameter bears S 33 E

22 links and marked with the letters SE COR for the South East corner and another Elm 18 inches in diameter S 39 E 1.05 Chs and marked SE COR B S E for the South East corner bearing and distance and another Black Walnut tree 9 inches in diameter bears S 15° E 85 links and thence down the South Fork of the Great Nemiha River with its Meanders to the point of Beginning.

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of the South Fork from the South East Corner as described on page the "14th to its mouth or point of Beginning as follows:

Bearing	Dist	Remarks
N 20 00W	4 00)	
N 19 30E	16.70)	
N 53 00W	17 45)	
N 35 00E	14 00)	
N 29 00W	3 25)	Creek heavily timbered
N 3°00E	4 75)	
N 40 00W	12 00)	
N 38 00 E	16 50)	
N 59 00W	3 00	
N 37 00W	5 00	
N 2 00E	3 50	
N 80 00W	9 00	
N 37 00E	7 00	
N 35 00W	10.00	From this angle the Stream 150 links
N 69 00W	2 50	
S 22 00W	3 00	
S 25 00W	8 00	at 200 crossed a stream heads S S East
N 39 00W	7 50	
N 14 00E	7 00	
N 33 00E	6 00	Splendid Bottom Land
N 74 30E	4 50	Fertile and good for cultivation
N 89 00E	3 00	
N 75 30E	3 50	To thepoint of Beginning or the mouth of the South Fork at its junction with the Great Nemiha River.

(H)

T- Rs 14-15-16 E

FIELD NOTES

OF

THE SURVEY OF THE EXTERIOR BOUNDARIES OF FRACTIONAL TOWNSHIPS NO. 1, NORTH OF RANGES 14, 15 AND 16 EAST OF THE 6th PRINCIPAL MERIDIAN BEING THE TRACT OF LAND KNOWN AS SAC AND FOX INDIAN RESERVATION OF THE MISSOURI TRIBE.

AS

SURVEYED BY THOS. A. OSBERN, UNDER HIS CONTRACT NO. WITH INDIAN DEPARTMENT DATED June 13. 1863.

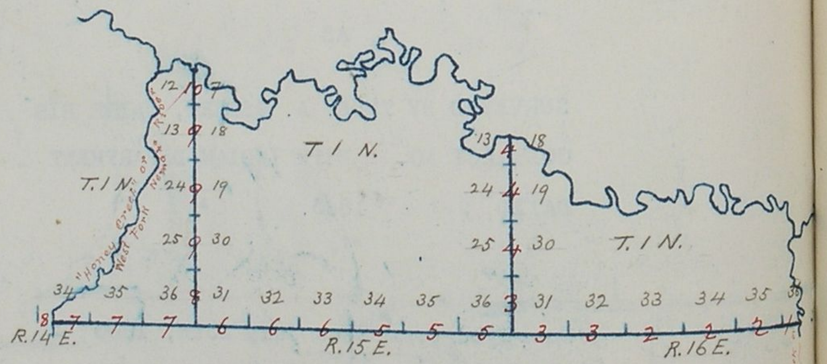
Surveyed Commenced July 20th, 1863

Survey Completed July 23rd, 1863

Names and Duties of Assistants That assisted in running, Measuring and Marking the Lines Set forth in the foregoing field Notes.

William W. Holt	Chainman
Richard Fitzgerald	Chainman
William Sears	Flagman
Samuel Hardenburgh	Cornerman
Andrew J. Angell	Compassman

INDEX DIAGRAM.



Retracing of Base Line 40° of Parallel along the South Boundary of the Sac and Fox Reservation in Range 16 East.

July 20th, 1863.

Chains. I commenced to the Established Corner to Ranges 16 & 17 East and Run a Blank line West along the South Boundary of Section 36 Range 16

Variation 10° 55' East

31.47 To the Right and East Bank of Walnut or South Fork of the Great Nimaha River Course North Water Clear 1 ft Deep Banks 20 ft High

32.00 Left bank Here I make an examination for the Corner Boundary on Both sides of the Creek for 2 or 3 chains N and S of the Line, 18 chains North of this Line I find bearing Trees as described in the 1st Article of the Treaty. These bearing Trees have been defaced and the Corner is Destroyed. This is the Line run by Mr. Johnson and retraced by Charles Manners and condemned and the Corner Boundaries Destroyed. I therefore Proceed to retrace the Base Line West.

40.00 Intersect a Limestone quarter Section Corner Standing

80.00 Intersected 2 lks North of the Point for corner to Sections 35 and 36 find a Lime Stone lying on the ground Planted it in its old bed which is still plain to be seen. From this corner I run East along the South Boundary of Sec 36.

Variation 10° 55' East

21.00 A Branch 10 lks wide course N.E.

40.00 The quarter section corner.

48.00 I set a Limestone 23 in long 14 in wide and 5 in thick marked with the Letters S.E.C.B on the North side and K. on the South side for S.E. Corner Boundary of S. and F. Reserve from which an Elm 15 in Diameter bears South 18 lks Distant, marked with the letters S.E.C B. of S & F R B T . Land undulating Prairie Soil 1st rate.

Thence West on a Blank Line from the Corner to Sec-

Chains.	
	tions 35 and 36 Along the South Boundary of Section 35
	Variation 11°00'East
4.00	A Ravine, course S.E.
40.00	The point for quarter section corner . Cannot find any stone.
58.00	A Road bears N and S
80.00	To a point 6 lks North of a Limestone Corner to Sections 34 and 35. Standing I retraced this line East.
	Variation 11°03'East.
40.00	Set a Limestone 20 in long 12 in wide and 3 in thick for a quarter Section Corner. Land high Prairie gently Rolling. Soil 1st rate.
	West on a Blank line along the South Boundary of Section 34.
	Variation 11°02'East
40.00	The quarter section corner find the Broken and destroyed
78.50	Road bears N.W. and S
80.00	The Section Corner missing
	Thence West along the South Boundary of Section 33.
30.00	Enter Bottom bears N and S
40.00	The quarter section corner missing
45.00	Enter Timber bears N and S.
53.47	Pony Creek 40 lks wide flows N.E. Water Clear 6 in Deep Bed of Stream Sandy Banks 18 feet High
56.00	Leave Timber, enter Prairie bears N and S.
60.00	Leave Bottom, enter gently rolling Prairie bears N. and S.
80.00	To a point 11 lks N. of the Corner to Sections 32 and 33 from which corner I run East on a true line.
	Variation 11.05 East
40.00	Set a Lime Stone 17 in long 15 in wide and 4 in thick for a quarter Section Corner
80.00	Set a Limestone 22 in long 8 in wide and 5 in thick for corner to sections 33 and 34. Land high and gently Rolling Prairie well adapted

Chains	
	to farming.
	Soil 1st rate. Bottom Land Black and rich
	Timber on Pony Creek Oak, Walnut and Elm of a good quality
	Thence East along the South Boundary of Section 34
40.00	Set a Limestone in its old Bed 17 in long, 15 in wide and 4 in thick for a quarter Section Corner.
80.00	The Corner to Sections 34 and 35.
	Land High Rolling Prairie.
	Soil, 1st rate.
	West along the South Boundary of Section 32 Variation 11°05' East
40.00	A Lime Stone quarter section corner standing
80.00	A Limestone Corner to Sections 31 and 32, Standing.
	Land High rolling Prairie. Soil 1st rate.
	West along the South Boundary of Section 31 Variation 11°05'East
40.00	The quarter Section Corner A Limestone laying on the ground, set the same in the old bead.
80.03	The Corner to ranges 15 and 16 East of the 6th P.M
	Land High Rolling Prairie.
	Soil 1st rate.
	North between Ranges 15 and 16.
	North between sections 31 and 36 on a blank line Variation 11°10'East
30.00	A Road bears N. 35 E. and S.W.
40.00	Intersected an old mound of earth nearly washed down Set a sandstone20 in long 15 in wide and 3 in thick for a quarter corner.

Chains.	
80.07	An old Mound washed down Set a sandstone 16 in long 14 in wide and 6 in thick for a Corner to Sections 25, 30, 31 and 36 in center of old mound. Land high, dry prairie, black rich soil.
	North between Sections 25 and 30 on a blank line. Variation 11°20'East
40.03	To a point for quarter Section Corner find a Limestone laying on the ground. Planted the same in its old bed
80.04	To a point 3 lks East of A Limestone Corner to Sections 19, 24, 25 and 30. Land rolling Prairie, rich soil, a small prairie Stream W.
	North between Sections 19 and 24 Variation 11°20'East
18.50	A small prairie 3 lks wide, Course N.E.
40.01	To the center of an old mound of earth washed down Set a limestone 14 in long, 12 in wide and 5 in thick for a quarter section corner
55.00	Leave rolling Prairie, enter Nimaha River Bottom, bears W and S.E.
80.05	At an old mound of earth washed down, set a Limestone (in its center) 16 in long 10 in wide, and 4 in thick for corner to sections 13,18,19 and 24 Land South 55 chs. undulating Prairie good soil, North 25 level Bottom. Soil black and rich (does not overflow).
	North between Sections 13 and 18 Variation 11°25' East
37.00	Right Bank of Nimaha River.
38.05	Water's edge, course east by south.
39.00	Left bank, bank 25 ft high water clear 2 ft deep.
40.00	Intersected at the quarter section corner.

Chains	
	Land level bottom. Soil 1st rate (does not overflow) July 21st, 1862.
	Base Line or 40° Parallel West along the South Boundary of the Sac and Fox Reservation in Range 15
	West along the South Boundary of section 36 Variation 11°05'East
37.00	Ravine, Course S.E.
40.03	A Limestone quarter section corner standing.
45.00	Road bears N.W. and S.E.
80.00	A Limestone lying on the ground planted the same in its old bed. Land rolling prairie. Soil, 1st rate.
	West on a blank line along the south boundary of section 35. Variation 11°,10'East
40.00	The point for quarter Section Corner, find the stone broken into. Set a limestone 16 in long 15 in wide and 4 in thick for a quarter Sec. corner.
63.50	A low Swail or Head of prairie Creek, flows N.W.
80.00	the point for Sec corner find a Limestone lying on ground. Set the same in its old bed Corner to sections 34 and 35. Land high rolling Prairie. Soil 1st rate
	West on a Blank line along the South Boundary of Sec. 34 Variation 11°,10'East
5.00	Low swail bears S.E.
40.00	find a post standing, set a limestone 20 in long,

Chains.	
	12 in wide and 2 in thick for a quarter section Corner by the side of stake.
70.00	Swail bears S.E and N
80.00	A post and Limestone lying on the ground. Set the Limestone in its old bed, corner to sections 33 and 34.
	Land high rolling prairie. Soil, 1st rate.
	West on a blank line along the South Boundary of section 33. Variation 11°10'East
4.20	A small stream of clear water 5 lks wide, course S.E.
40.03	A Limestone quarter section corner (standing)
52.00	A small stream 5 lks wide, Course N 70°E
73.85	Same stream, course S 60°E
80.05	A Limestone lying on the ground. I set the same in its old bed corner to sections 32 and 33. Land rolling, soil rich well adapted to farming.
	West on a blank line along the South Boundary of Sec 32 Variation 11°12'E
40.00	A Limestone quarter section corner (Standing)
47.80	A road bears N. and S.
56.00	Swail or water course bears N.W.
80.00	A Limestone corner to sections 31 and 32, standing. Land high and rolling, some surface limestone. Soil 2nd rate.
	West on a blank line along the South Boundary of section 31. Variation 11°15'East
34.00	A Creek 10 lks wide, clear water course N.W.

Chains	
40.00	A Limestone quarter section corner standing.
80.00	A Limestone Corner to sections 31 and 36 Ranges 14 and 15 East Township 1 North.
	Land high and rolling, rather broken.
	Soil good 2d rate.
	Base Line.
	Thence west on a Blank Line along the South boundary of section 36 Range 14 East
	Variation 11°15'East
30.00	Swail with a few trees.
40.00	To a point 7 lks N of quarter section corner, a limestone standing.
49.00	Enter timber bears N. and S.
50.00	Rock Creek comes from west and flows N.E. 25 lks. wide at R.A.
56.00	Leave creek comes from the S.W. and flows E.
58.00	North margin of creek comes from S.W. and flows S.E.
58.50	Enter prairie bears N. and S.
80.00	4 lks N. of Limestone Corner to sections 35 and 36 (Standing)
	Land high rolling Prairie, 2d rate soil.
	Timber on creek small oak, Elm and walnut, undergrowth, hazel and vines.
	West on a blank line along the South Boundary of section 35
	Variation 11°18'East
0.50	A Road bears N.E. and S.W.
40.00	A limestone quarter section corner standing
80.00	A Limestone corner to sections 34 and 35 standing on a ridge.
	Land high and bluffy.
	Surface, limestone.
	Soil, 2d rate.
	West along the South Boundary of section 34.

Chains.

Variation 11°20'East

40.00 To a point 7 lks. south of A Limestone quarter section corner standing west from quarter section corner.

Variation 11°18'East

51.00 Right bank of the west fork of Nimaha or Honey Creek as called here

51.80 Water's edge flows N.E. general course N. here

51.95 Left bank water's edge water 6 in deep, clear stony bottom.

52.00 Top of main bank I make an examination and find a Cottonwood 40 in diam. 7 chs. North of this line marked as described in the treaty, I could not find any bearing tree bears N 12°W from the west bank of the creek 5.05 chains. I therefore traced the line west

80.00 I find a Limestone corner to sections 33 and 34 East on the same line.

22.07 I find a Limestone on the west bank of the creek as set for the South west corner Boundary marked with the letters S.W.C. on S & F R on the North and 79 on the South side 5.93 chs west of the left bank of Honey Creek.

Land broken and stony

Soil, 2d rate.

July 22d 1863.

July 23rd 1863.

North on a blank line along the East boundary of section 36.

Variation 11°15'East

40.00 A Limestone quarter section corner (standing)

80.00 To a point 3 lks West of a limestone corner to Sections 25, 30, 31 and 36 from which a Bur Oak 16 in Dia bears N 30 W 9.72 chains

Land Rolling prairie with surface Limestone in many

Soil 2d rate.

Chains.	
	North along the East boundary of Section 25
	Variation 11°18'East
10.00	Enter Timber bears NE and SW
10 30	Rock Creek 20 lks wide Course N 20 E
	Limestone bed and banks. Water shallow and clear with gentle current.
21.00	Rock Creek 20 lks wide Course N.W.
40.00	On examination I find old bearing trees standing but did not find any corner, I set a Limestone 16 in long, 10 in wide and 5 in thick for a quarter section corner. From which a Burr Oak (the old bearing tree) 30 in Diam. bears N 85 W. 55 lks. distant.
	A Hickory 12 in Diam., (an old bearing tree) bears S 87° E. 70 lks Distant
52.40	Rock Creek 25 lks wide, Course East
53.00	Leave timber enter Prairie, bears E and W
80.06	To a point 3 lks West of a Limestone corner to Sections 19, 24, 25 and 30, which is standing.
	Land South 10 chs. and North 27 chs.
	Rolling prairie. Balance timber, consisting of Oak, Walnut, Hickory, Elm and Lynn with undergrowth Hazel, Briars and Grapevines, very thick.
	Soil, 1st rate.
	North on a blank line along the E. Boundary of Section 24.
	Variation 11°15'East
39.98	A Limestone quarter section corner (standing)
80.00	A Limestone corner to sections 13, 18, 19 and 24, Lying on the ground, Planted the same in its old bed.
	Land, undulating Prairie, good 2 d rate Soil.
	North on a blank line along the East Boundary of Section 13.
	Variation 11°15'East
38.00	A Road bears E and W.
40.00	A Limestone quarter section corner lying on the ground
	Set the same in its old bed

Chains.

73.00 Enter skirt of small timber 2 chs. wide
73.40 Small branch 15 lks. wide, course N. 80°E.
75.00 Leave timber bears E and W.
80.00 A Limestone corner to sections 7, 12, 13 and 18 (Standing) Land rather Bluffy Limestone on the surface.
Soil, poor, 2d rate.

North along the East Boundary of Section 12.
Variation 11°20' East

37.00 Enter Nimaha River bottom bears S.W. and S.E.
40.00 To a point 3 lks East of a Limestone quarter section corner standing
50.50 Enter timber bears S.E. and W.
52.15 To the water's edge on the right and S. bank of the Great Nimaha River comes from the W. and flows South 80°E.
52.90 Left bank water's edge.
53.20 To a meander corner to sections 7 and 12.
Land South 31 chains, high and rolling.
Soil 2d rate, Balance level bottom, does not overflow except in very high water.
Soil 1st rate.
Belt of timber on river banks , consists Elm, Maple Walnut and Cottonwood.

July 23, 1863.

List of Names.

A list of the individuals employed to assist in Running, Measuring or Marking the lines and corners described in the foregoing field notes of the Exterior Lines of Fractional Township 1 North of Ranges 14, 15, and 16 East of the 6th Principal Meridian showing the Respective Capacities in which they acted.

R.G. Fitzgerald	Chainman
Wm. W. Holt	Chainman
S. W. Hardenburgh	Axman & Cornerman
Wm. Sears	Flagman
Andrew J. Angell	Compassman.

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1- 14

FIELD NOTES

OF

THE SUBDIVISIONAL LINES OF FRACTIONAL TOWNSHIP 1 ONE NORTH OF RANGE 14 FOURTEEN EAST OF THE 6th P.M., NEBRASKA TERRITORY, AS SURVEYED BY

THOS. A. OSBERN

UNDER HIS CONTRACT WITH THE INDIAN DEPARTMENT, DATED JUNE 12, 1863.

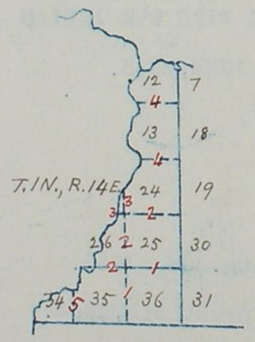
Survey Commenced Aug. 3d 1863.

Survey Completed August 5th, 1863.

Names and Duties of Assistants.

Wm. W. Holt	Chainman
Richard Fitzgerald	Chainman
William Sears	Flagman
Samuel Hardenburgh	Cornerman
Andrew J. Angell	Compassman

INDEX DIAGRAM.



Fractional Township 1 N. of Range 14 E. of the 6th P.M. N.T.

Chains	
	I determined the proper adjustment of my Compass for subdividing this Township by running the Range line between Ranges 14 and 15 East and the Base line. Variation 11°14'East
	North between Sections 35 and 36. Var.11° 14'East
0.50	A Roads bears N.E. and S.W.
18.00	A Roads bears NE and SW
40.00	Set a Limestone 18 in long 12 in wide and 5 in thick for a quarter section corner.
43.00	A Branch 5 lks wide flows East
80.00	Set a Limestone 23 in long, 11 in wide and 6 in thick for a corner to Sections 25, 26, 35 and 36. Land undulating Prairie, well adapted to farming. Soil black and rich.
	East on a random line between Sections 25 and 36 Variation 11°20'East
18.00	A road bears N and S
35.00	A road bears N.20°E. and S.20W.
40.00	Set temporary quarter Section Corner
49.00	Enter timber bears N. and S.
50.00	Rock Creek 30 lks wide, course N.
52.00	A Ravine course S.60°W.
52.50	Leave timber bears N. and S.
73.00	A Ravine, course N.30 W.
80.10	Intersected the East boundary of the Township 10 lks. N. of the corner to Sections 25, 30, 31 and 36 from which corner I run
	West on a true line between sections 25 and 36 Variation 11°,16'East
40.05	Set a Limestone 19 in long, 14 in wide and 4 in thick, for a quarter Section Corner.
80.10	The corner to sections 25, 26, 35 and 36.
	Land high and rolling.
	Soil, 1st rate.
	Timber, small oak, elm ash, walnut and Cottonwood.
	The line between sections 26 and 35, will strike the West fork of the Nimaha River in less than 80 chains, therefore I run

Chains	
	West on a random line between sections 26 and 35.
	Variation 11°12'East
35.00	Enter Hazel brush and small scattering timber bears N.E. and S
40.00	Set temporary quarter section corner
43.00	To Honey Creek or West fork of Nimaha course N.25° E 25 lks. wide
44.42	Intersected at a point 7 lks North of a Limestone meander corner to fractional sections 26 and 35 from which corner I run
	East on a true line between Sections 26 and 35
	Variation 11°,15'East
4.42	Set a Limestone 18 in long, 14 in wide and 4 in thick for a quarter section corner . No trees near to mark.
44.42	The corner to sections 25, 26, 35 and 36.
	Land high rolling Prairie.
	Soil good, small brush on creek, Hazel and Hickory.
	The timber has all been cut, destroyed and taken away by settlers.
	North between sections 25 and 26.
	Variation 11°10'East
40.00	Set a limestone 20 in long 16 in wide and 2 in thick for quarter section corner
42.00	A Ravine course N.W.
80.00	Set a limestone 24 in long, 12 in wide and 3 in thick for a corner to sections 23, 24, 25 and 26.
	Land gently rolling Prairie of a good quality
	East on a random line between sections 24 and 25
	Variation 11°15' East
37.00	A road bears NE and S.W.
40.00	Set a temporary quarter section corner
79.70	A Road bears N.E. and S.W.
79.86	Intersected the East boundary of the Township 12 lks North of the corner to sections 19, 24, 25 and 30

Chains	from which corner I run
	West on a true line between sections 24 and 25 Variation 11°10'East.
39.93	Set a limestone 18 in long, 10 in wide and 6 in thick for a quarter section corner
79.86	The corner to Sections 23, 24, 25 and 26. Land mostly high rolling prairie. Soil, 1st rate.
	West on a random between fractional sections 23 and 26. Variation 11°,15' East
5.00	Enter timber bears N. and S.
6.40	The right bank of Honey Creek or west fork of the Nimaha river 30 lks wide flows N.20°E.
7.50	Intersected at a limestone meander corner to fractional sections 23 and 26, from which corner I run
	East on a true line between Sections 23 and 26 Variation 11°,15' East
7.50	The corner to sections 23, 24, 25 and 26 Land, level, Soil, good. Timber, oak, Elm & Lynn.
	North on a random line between sections 23 and 24 Variation 11°,12'East
16.00	Enter timber bears N.20°E.
30.00	The right bank of Honey Creek or the west fork of the Nimaha River course N.60°E soon N. 30 lks wide clear water.
30.64	Intersected 3 lks west of a Limestone Meander corner to fractional sections 23 and 24, from which corner I run South on a true line between sections 23 and 24. Variation 11°,11'East.

Chains	
30.64	The corner to sections 23, 24, 25 and 26.
	Land, level. Soil, rich of the first quality. Timber, Oak, Elm and Walnut, has been cut and destroyed in many places on the creek. There are fine farms on the west side of the creek.
	West on a random line bet. sections 13 and 24. Variation 11°,12'East.
35.00	Enter level prairie land bears N. and S.W.
40.00	Set a limestone for a temporary quarter section corner.
55.00	A road bears N.20°W.
57.00	Enter timber bears N.W and S.
58.60	The right bank of Honey Creek or the west fork of the Nimaha River comes from the S.E. and flows N. 30 W. 35 lks. wide.
59.10	Intersected 4 lks. North of the Meander corner to fractional sections 13 and 24, from which corner I run
	East on a true line between Sections 13 and 24. Variation 11°,14'East
19.10	Set a limestone 18 in long, 12 in wide, and 4 in thick for a quarter section corner
59.10	The corner to sections 13, 14, 23 and 24 Land, level and undulating, well adapted to tillage Soil, 1st rate. Timber, small and inferior consisting of Oak, Elm and Walnut.
	West on a random line between Sections 12 and 13. Variation 11°,15' East
35.00	Enter bottom bears N. and S. 60°W.
40.00	Set a stone for temporary quarter section corner.

Chains.	
56.00	Enter timber bears N. and S.
59.80	The right bank of Honey Creek or the West fork of the Great Nimaha River, Course N.30 W. 35 lks.wide
60.70	Intersected at a meander corner to fractional sections 12 and 13 from which corner I run East on a true line between sections 12 and 13. Variation 11°,15' East.
20.70	Set a limestone 22 in long 14 in wide and 3 in thick for a quarter section corner
60.70	The corner to sections 7, 12, 13 and 18. Land west ½ level Bottom. Soil, rich, East ½ Rolling. Soil 2d rate. Timber, Oak and Walnut of an inferior quality. North on a random line between Sections 34 and 35. Variation 11°,12'East
30.00	A Ravine, Course N.E.
40.00	Set temporary quarter section corner
51.80	The right bank of Honey Creek or West fork of the Great Nimaha River flows N 30 E. 25 lks wide
52.20	Intersected 4 lks East of a limestonemeander corner to fractional sections 34 and 35 from which corner I run South on a true line between sections 34 and 35. Variation 11°.14'East
12.20	Set a Limestone 20 in long 10 in wide and 8 in thick for a quarter section corner.
52.20	The corner to Sections 34 and 35 Land broken and Bluffy Soil 2d rate

A narrow belt of timber on the Bank of creek.
Small oak, Elm and Hickory.

General Description.

This fractional Township is mostly undulating Prairie, of a good quality, fine for farming. There is indications of fine Limestone quarries in the South West corner of this reserve suitable for building and fencing purposes. This fractional Township is well watered. Rock Creek is a fine stream of pure water running through the S.E. corner of the fractional Township. And Honey Creek is the West Boundary of the reserve. And the Great Nimaha the North Boundary, affords plenty of water for stock. There are a number of fine springs along the banks of Honey Creek. The timber along the creek is rather small and inferior consisting of Oak, Elm and Walnut. Most of the good timber has been cut and carried away by the numerous settlers on the South and West borders of the Reserve.

List of Names.

A List of the individuals employed to assist in running, measuring or marking the lines and corners described in the foregoing Field Notes of fractional Township 1 N. of Range 14 E. of the 6th Principal Meridian showing the Respective capacities in which they acted.

R. G. Fitzgerald	Chainman
Wm. W. Holt	Chainman
S.W. Hardenburgh	Axman & Cornerman
Wm. Sears	Flagman
Andrew J. Angell	Compassman.

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O.K.
R.H.

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Thos A. Osbern
June - 1863

FIELD NOTES

OF

THE SURVEY OF THE SUBDIVISIONAL LINES OF FRACTIONAL TOWNSHIP 1 N. OF RANGE 15 E. OF THE 6th PRINCIPAL MERIDIAN IN NEBRASKA TERRITORY

AS SURVEYED BY

THOS. A. OSBERN,

DEPUTY SURVEYOR,

UNDER HIS CONTRACT WITH THE INDIAN DEPARTMENT, DATED JUNE 13 ,1863.

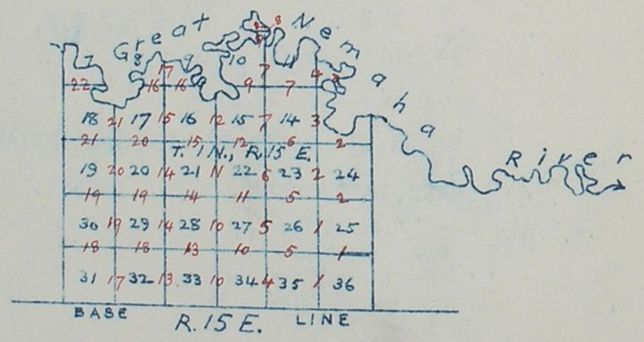
Surveyed Commenced July 28th, 1863.

Survey Completed August 2d ,1863.

NAMES AND DUTIES OF ASSISTANTS.

William W. Holt	Chainman
Richard Fitzgerald	Chainman
William Sears	Flagman
Samuel Hardenburgh	Cornerman
Andrew J. Angell	Compassman.

INDEX DIAGRAM.



Fractional Township 1 N. of Range 15 E. of the 6th P.M. N.T.

Chains	
	July 28th, 1863.
	I determined the proper adjustment of my compass for subdividing this Township by running the Range Line on the East Boundary of the Township. Variation 11°05'East
	North between Sections 35 and 36 Variation 11° 05'East
40.00	Set a limestone 16 in long, 14 in wide, and 3 in thick for a quarter section corner
50.00	A Road bears N.80° W and S 80°E.
80.00	Set a limestone 20 in long, 16 in wide and 3 in thick, for a corner to sections 25, 26, 35 and 36. Land, high rolling prairie. Soil, 1st rate.
	East on a random line between Sections 25 and 36. Variation 11°10'East
37.00	A Ravine or water course flows N.30°W
40.00	Set temporary quarter section corner
80.05	Intersected the East boundary of the Township 20 lks. North of the corner to Sections 25, 30, 31 and 36 from which corner I run
	West on a true line between sections 25 and 36. Variation 11°01'East
40.02	Set a limestone 14 in long, 14 in wide and 3 in thick for a quarter section corner.
80.05	The corner to sections 25, 26, 35 and 36. Land high and rolling. Soil, good and rich.
	North between Sections 25 and 26 Variation 11°10'East
7.00	A water course runs N.20°E.
17.00	A water course runs N.70°E.
40.00	Set a limestone 16 in long, 15 in wide and 3 in

Chains	
	thick for a quarter section corner
80.00	Set a limestone 18 in long, 8 in wide and 5 in thick for a corner to sections 25, 26, 23 and 24
	Land, high rolling prairie.
	Soil 1st rate
	East on a random line between Sections 24 and 25. Variation 11°10' East
27.50	A Branch 10 lks wide clear water flows North
40.00	Set a temporary quarter section corner.
71.00	A slough course N.30°E. 150 lks wide
79.75	Intersected the East boundary of the township 27 lks. South of the corner to sections 19, 24, 25 and 30 from which corner I run
	West on a true line between sections 24 and 25 Variation 11° 21' East
39.87	Set a limestone 16 in long, 16 in wide and 3 in thick for a quarter section corner.
79.75	The corner to sections 23, 24, 25 and 26.
	Land, high rolling prairie.
	Soil, 1st rate.
	North between sections 23 and 24. Variation 11° 15' East
10.00	A ravine, course N.E.
40.00	Set a limestone 15 in long, 14 in wide and 3 in thick, for a quarter section corner.
60.00	A small dry branch 10 lks wide
80.00	Set a limestone 30 in long 12 in wide and 3 in thick for a corner to sections 13, 14, 23 and 24.
	Land gently rolling prairie Soil 1st rate.
	East on a random line between sections 13 and 24. Variation 11°10'East
37.50	Enter Hazel Brush bears N.E. and S.W.
40.00	Set temporary quarter section corner.
42.00	A small creek 10 lks wide Course N.E.

Chains	
	Enter Bottom Land on East side of creek bears N.W and S.W.
64.50	A Creek 30 lks wide, Course N.20°E.
65.50	Leave timber, bears N and S.
79.66	Intersected the East Boundary of the Township 5 lks North of the corner to Sections 13, 18, 19 and 24 from which corner I run
	West on a True line between Sections 13 and 24
	Variation 11°08'East
39.83	Set a limestone 18 in long, 15 in wide and 3 in thick for a quarter section corner.
79.66	The corner to sections 13, 14, 23 and 24.
	Land West ½ Level bottom.
	Soil, black and rich, 1st rate.
	Timber on creek, good oak, elm, ash, hickory and walnut. Undergrowth, hazel, willow and grape vines.
	North between sections 13 and 14.
	Variation 11°05'East
11.00	Enter Nimaha River bottom bears N.W. and E
40.00	Set a limestone 18 in long, 12 in wide and 4 in thick for a quarter section corner.
80.00	Set a limestone 18 in long 14 in wide and 4 in thick for a corner to sections 11,12,13 and 14.
	Land mostly level bottom Soil 1st rate.
	East on a random line between sections 12 and 13.
	Variation 11°10' East
4.00	Enter small timber bears S.E. and N.E.
11.80	Right and West bank of the Great Nimaha River, comes from the N.E. and runs South. Water clear gentle current 18 in deep.
12.60	Left bank 20 ft high.
12.80	Intersected 2 lks South of a Post Meander corner to fractional sections 12 and 13. Finding there is a sharp bend in the river and the line crosses again I proceed East.
25.93	To the left bank of the River at a post meander corner to fractional sections 12 and 13. Course of River S.E. and N.W.
26.80	Right Bank of River.
39.10	Right bank of river again comes from the N.W. and runs S.E.
40.00	Left bank at water's edge

Chains.	
40.35	Intersected at a Post Meander corner to fractional sections 12 and 13, from which corner I run West on a true line between fractional sections 12 and 13.
	Variation 11°10'East
40.35	The corner to sections 11, 12, 13 and 14 Land, level bottom
	Mostly timber land, consisting of Oak, Elm, Ash, Walnut, Hackberry, Hickory and Maple.
	North on a random line between sections 11 and 12
	Variation 11°15'East
36.00	Enter timber bears N.E. and S.W.
37.00	A slough 150 lks wide, course N.E. and N.W.
40.00	Set a post for temporary quarter section corner.
50.00	West margin of river N.20°E. and S.E.
58.64	The right bank of the Great Nimaha River comes from the West and flows S.20°E.
59.90	Left bank at water's edge
60.04	Intersected at a post meander corner to fractional sections 11 and 12 from which corner I run
	South on a true line between sections 11 and 12.
	Variation 11°,15'East
20.04	Set a limestone 17 in long, 10 in wide and 3 in thick for a quarter section corner, from which an Elm 28 in diam. S. 17°,00' E. 3.37 lks dist. No other trees near to mark.
60.04	The corner to sections 11, 12, 13 and 14 Land level bottom. Soil, good. Timber on banks of river, good Oak, Elm, Walnut, Hackberry, Hickory, Lynn and Sycamore. Undergrowth, brush and grape vines.
	North between sections 34& 35. July 29th,1863. Va. 11°15' East.
15.00	A ravine, course S.E.
40.00	Set a limestone 20 in long, 14 in wide and 4 in

Chains	
	thick for a quarter section corner
80.00	Set a limestone 20 in long 8 in wide and 5 in thick for a corner to sections 26, 27, 34 and 35.
	Land high rolling prairie.
	Soil, 1st rate.
	East on a random line between sections 26 and 35
	Variation 11°05'East
20.00	Head of water course flows north
27.00	A Road bears N.20°W. and S.E.
80.07	Intersected the N. and S. line 17 lks south of the corner to sections 25, 26, 35 and 36 from which corner I run
	West on a true line between sections 26 and 35
	Variation 11°12'East
40.03	Set a limestone 14 in long, 14 in wide and 3 in thick for a quarter section corner
80.07	The corner to sections 26, 27, 34 and 35
	Land high, rolling prairie.
	Soil, 1st rate
	North between sections 26 and 27.
	Variation 11°,10'East
40.00	Set a limestone 16 in long 15 in wide and 3 in thick for a quarter section corner.
80.00	Set a limestone 18 in long, 10 in wide and 4 in thick for a corner to sections 22, 23, 26 and 27.
	Land high, dry prairie, gently rolling.
	Soil, 1st rate.
	East on a random line between sections 23 and 26.
	Variation 11°05'East
20.10	A road bears N. and S.
37.00	A ravine, course N.E.
40.00	Set temporary quarter section corner.

Chains.	
80.00	Intersected the N. and S. line 5 lks North of the corner to sections 23, 24, 25 and 26, from which corner I run
	West on a true line between sections 23 and 26
	Variation 11°07'East
40.00	Set a limestone 17 in long, 14 in wide and 3 in thick for a quarter section corner
80.00	The corner to sections 22, 23, 26 and 27.
	Land high and rolling prairie.
	Soil, good 2d rate.
	North between sections 22 and 23
	Variation 11°,15'East
40.00	Set a limestone 17 in long, 15 in wide, and 4 in thick for a quarter section corner.
73.00	A small Prairie Creek 5 lks. wide clear water course N.W.
80.00	Set a limestone 18 in long, 6 in wide and 6 in thick for a corner to sections 14, 15, 22 and 23.
	Land, high rolling prairie.
	Soil, 1st rate.
	East on a random line between sections 14 and 23.
	Variation 11°,00' East
4.00	A road bears N.30°W. and S.30°E.
40.00	Set temporary quarter section corner
80.00	Intersected the N. and S. line 47 lks. S. of the corner to sections 13, 14, 23 and 24 from which corner I run West on a true line between sections 14 and 23.
	Variation 11°20'East
40.00	Set a limestone 22 in long, 12 in wide and 4 in thick for a quarter section corner.
80.00	The corner to sections 14, 15, 22 and 23.
	Land east ½ gently rolling prairie.
	Soil 1st rate - West ½ Bluffy surface Limestone.
	Soil, 2d rate.

Chains	
	North between sections 14 and 15 Variation 11°18'East
11.00	Enter road bears N and S 10°E
15.00	Leave road bears N 20° W and S.
40.00	Set a limestone 19 long 14 in wide and 3 in thick for a quarter section corner.
66.00	Enter a Road bears N and S 20°W.
69.00	Leave road bears S and N W
80.00	Set a limestone 26 in long and 3 in thick for a quarter section corner. Land high rolling prairie & rather bluffy. Surface limestone in places soil 2d rate.
	East on a random line between sections 11 and 14. Variation 11°,15'East
10.00	Enter bottom bears N.W. and S.E.
40.00	Set temporary quarter section corner 3 circular pieces of oak and hickory timber 20 chs S of this line about an acre each
80.19	Intersected the N and S.line 30 lks south of the corner to sections 11, 12, 13 and 14,from which corner I run
	West on a true line between sections 11 and 14. Variation 11°28'East
40.09	Set a limestone 17 in long 16 in wide and 3 in thick for a quarter section corner.
80.19	The corner to sections 10, 11, 14 and 15. Land on the line level bottom, high limestone bluffs south of the line. Bottom soil, 1st rate Bluff 2d rate.
	North between sections 10 and 11 Variation 11°,15'East
11.00	Enter river bottom bears W and S.E.
40.00	Set a limestone 15 in long, 15 in wide and 5 in thick for a quarter section corner.
68.50	To the right bank of the west margin of the Great Nimaha River comes from the N.E. and flows S.E.

Chains.	
70.40	Leave river on the right bank bears N.E. and S.W.
80.00	Set a limestone 26 in long, 10 in wide and 3 in. thick for a corner to sections 2, 3, 10 and 11. Land level bottom, soil 1st rate A belt of timber on banks of river consisting of Oak, Elm, Sycamore, Walnut, maple and cottonwood.
	East on a random line between sections 2 and 11 Variation 11°,15'East
3.00	Enter hazel brush and small timber bears N and S.W.
6.00	The right bank of the Great Nimaha River bears N and S.W.
7.00	The left bank of river water clear 3 feet deep 1.00 lks wide Banks 25 feet high
7.45	Intersected at a post with bearing trees, meander corner to fractional sections 2 and 11,from which corner I run West on a true line between sections 2 and 11. Variation 11°,15'East
7.45	The corner to sections 2, 3, 10 and 11 Land, level bottom does not overflow. Soil, 1st rate. Timber, oak, elm and cottonwood undergrowth hazel and vines.
	North on a random line between sections 2 and 3. Variation 11°18'East.
11.00	To the right and south bank of the Great Nimaha River (water's edge) Banks 25 feet high water 3 feet deep, course S.E.
12.08	Left bank at water's edge by measurement.
12.50	Intersected at a post meander corner to fractional sections 2 and 3 from which corner I run South on a true line between sections 2 and 3. Variation 11°,18'East
12.50	The corner to sections 2, 3, 10 and 11. Land level bottom, soil 1st rate. A narrow belt of timber on banks, consisting of Elm, Sycamore and Maple.

Chains	
	West on a random line between sections 3 and 10
	Variation 11°08'East
10.00	Enter timber bears N and S.W.
33.57	Right bank of the Great Nimaha River water's edge course N E. Banks 25 feet high.
34.70	Left bank by measurement
35.27	Intersected 5 lks N. of a post meander corner to fractional sections 3 and 10, from which corner I run
	East on a true line between sections 3 and 10.
	Variation 11°,10' East
35.27	The corner to sections 2, 3, 10 and 11.
	Land level bottom, does not overflow.
	Soil, 1st rate. Timber, Oak, Walnut, Elm, Hackberry Mulberry, Hickory, Maple and Cottonwood.
	Undergrowth the same hazel and vines.
	The line between sections 10 and 15 will strike the river in less than 80. I therefore run
	July 29, 1863.
	West on a random line between sections 10 and 15.
	Variation 11°20'East
3.40	A road bears N.W. and S.E.
20.00	A grove of oak timber 6 chs. S. of this point about 1 acre in a circular piece
40.00	Set temporary quarter section corner
41.00	Enter bottom prairie bears S.W. and N.E.
52.00	A Road bears N and S.
56.00	Enter timber bears N and S.
59.80	To the right bank of the Great Nimaha river
60.20	Water's edge comes from the S.E. and flows N 30 W
60.60	Left bank at water's edge 40 lks wide by measurement water clear 1 foot deep rapid current E banks 25 feet high.
61.40	Intersected 3 lks N of an Elm tree 26 in diam. marked for meander corner to fractional sections 10 and 15 from which corner I run
	East on a true line between sections 10 & 15
	Variation 11°21'East.

Chains.	
21.40	Set a limestone 20 in long, 12 in wide, and 3 in thick for a quarter section corner.
61.40	The corner to sections 10, 11, 14 and 15
	Land East 41 chs. high river bluff with surface limestone Soil 2d rate.
	West 20 chs. level bottom rich soil, 1st rate. Timber, Oak, Elm, Cottonwood, Hackberry and Walnut undergrowth the same and briars.
	July 30th, 1863.
	North between sections 33 and 34
	Variation 11°, 12' East
40.00	Set a limestone 16 in long, 16 in wide and 3 in thick for a quarter section corner.
80.00	Set a limestone 20 in long 10 in wide and 5 in thick for a corner to sections 27, 28, 33 and 34.
	Land, high, rolling and dry prairie.
	Soil, 1st rate.
	East on a random line between sections 27 and 34.
	Variation 11°, 10' East
40.00	Set temporary quarter section corner
79.80	Intersected the N. and S. line 13 lks N. of the corner to sections 26, 27, 34 and 35 from which corner I run
	West on a true line between sections 27 and 34
	Variation 11°04' East
39.90	Set a limestone 18 in long 18 in wide and 3 in thick for a quarter section corner
79.80	The corner to sections 27, 28, 33 and 34
	Land high rolling prairie
	Soil 1st rate.
	North between sections 27 and 28.
	Variation 11°, 17' East.

Chains	
40.00	Set a limestone 18 in long 14 in wide and 3 in thick for a quarter section corner
67.00	A branch course N.E.
77.00	A branch, course E.
80.00	Set a limestone 18 in long, 10 in wide and 5 in thick for corner to sections 21, 22, 27 and 28 Land, high rolling prairie. Soil, 1st rate.
	East on a random line between sections 22 and 27. Variation 11°,17'East
10.00	Enter timber bears N 20°E and S.20°W
13.00	A creek 10 lks wide,course N.10°E.
16.50	Leave timber bears S. and N.E.
40.00	Set temporary quarter section corner
42.00	A creek 10 lks wide, course N. Enter timber at this point.
46.00	Leave timber and enter prairie bears N. and S.
80.12	Intersected the N and S line 7 lks N. of the corner to sections 22, 23, 26 and 27 from which corner I run
	West on a true line between sections 22 and 27. Variation 11°,14'East
40.06	Set a limestone 21 in long, 17 in wide, and 3 in thick, for a quarter section corner.
80.12	The corner to sections 21, 22, 27 and 28. Land rolling and bluffy. Surface, limestone. Soil, 2d rate. Timber, small oak , Hickory, Elm, Ash and Lynn, Undergrowth the same, plum, Hazel and grape vines.
	North between sections 21 and 22 Variation 11°,15'East
13.00	Enter timber bears E and W.
16.00	A small circular grove of Bur Oak timber 7 chs. west of line about 2 acres in grove.

Chains.	
40.00	Set a limestone 17 in long, 13 in wide and 3 in thick for a quarter section corner
45.00	A ravine, course N.E.
70.00	A ravine, course N.E.
80.00	Set a limestone 22 in long, 10 in wide, and 6 in thick for a corner to sections 15, 16, 21 and 22.
	Land, high and rolling.
	Soil, 1st rate.
	Timber, small, mostly oak and brush.
	East on a random line between Sections 15 and 22.
	Variation 11° 07'East.
6.00	A road to Salem, bears N.15°E.
15.00	Enter timber, bears N.25°E.
19.00	A creek 15 lks wide, course N.
30.00	Leave timber bears N.E. and S.
40.00	Set a temporary quarter section corner
46.30	Enter timber, bears N.W. and S.E.
54.00	A creek 15 lks wide, course N.W.
56.00	A creek 15 lks wide, course S.W.
58.00	Same creek 15 lks wide, course N.W.
64.00	Leave timber, bears N. and S.
80.25	Intersected the N. and S. line 12 lks S. of the corner to sections 14, 15, 22 and 23, from which corner I run West on a true line between sections 15 and 22.
	Variation 11°,12'East
40.12	Set a limestone 16 in long, 16 in wide and 3 in thick for a quarter section corner
80.25	The corner to sections 15, 16, 21 and 22.
	Land, rolling and bluffy surface limestone.
	Soil, 2d rate.
	Timber good Oak, Elm, Lynn, Hickory, Hackberry and Walnut. Undergrowth, Hazel, Plum and Grape Vines.
	North on a Random line between Sections 15 and 16

Chains	
	Variation 11°15'East
18.00	Enter brush and small timber bears S.W. and N.E.
20.00	A branch 20 lks wide flows N.E.
21.50	Leave timber and brush bears N.E. and S.W.
40.00	Set temporary quarter section corner
68.00	Enter timber bears S.W. and E.
73.20	The right bank of the Great Nimaha River on main bank.
74.12	Water's edge courses from the S 80°W and flows N. 80 E. Water clear 3 feet deep, muddy bottom. Banks 25 ft high
75.10	Left bank water's edge
75.50	Intersected at an Elm Post with bearing trees meander corner to fractional sections 15 and 16, from which corner I run
	South on a true line between sections 15 and 16.
	Variation 11°15'East
35.50	Set a limestone 18 in long 16 in wide and 2 in thick for a quarter section corner.
75.50	The corner to sections 15, 16, 21 and 22.
	Land rolling.
	Soil, 2d rate.
	Timber, Elm, Walnut, Hickory, Hackberry, Oak and Cottonwood of a good quality.
	July 31st, 1863.
	North between sections 32 and 33
	Variation 11°,12'East
17.50	Cross head of small prairie creek 10 lks wide, course S.E.
40.00	Set a limestone 17 in long, 14 in wide and 3 thick for a quarter section corner.
80.00	Set a limestone 20 in long, 8 in wide and 4 in thick for a corner to sections 28, 29, 32 and 33.
	Land, high, rolling prairie.
	Soil, 1st rate.
	East on a random line between sections 28 and 33
	Variation 11°07'East

Chains	
40.00	Set temporary quarter section corner
80.00	Intersected the N and S line 20 lks S. of the corner to sections 27, 28, 33 and 34 from which corner I run
	West on a true line between sections 28 and 33
	Variation 11° 16' East
40.00	Set a limestone 20 in long, 14 in wide, and 4 in thick for a quarter section corner
80.00	The corner to sections 28, 29, 32 and 33
	Land, high, rolling and dry prairie.
	Soil, 1st rate.
	North between sections 28 and 29.
	Variation 11°,12' East
40.00	Set a limestone 16 in 15 in wide and 4 in thick for a quarter section corner
67.20	A road bears N.E. and S.W.
80.00	Set a limestone 22 in long,12 in wide and 4 in thick for a corner to sections 20, 21, 28 and 29
	Land high and bluffy, surface limestone.
	Soil 2d rate.
	East on a random line between sections 21 and 28
	Variation 11°,15' East
3.00	A Road bears N.E. and S.W.
40.00	Set temporary quarter section corner.
75.20	A Branch 10 lks wide course S.E.
79.93	Intersected the N and S line 7 lks South of the corner to sections 21, 22, 27 and 28, from which corner I run
	West on a true line between sections 21 and 28.
	Variation 11°15'East.
39.96	Set a limestone 17 in long 15 in wide and 3 in thick for a quarter section corner.
79.93	The corner to sections 20, 21, 28 and 29.
	Land, high, rolling prairie.
	Soil, 1st rate.
	North between sections 20 and 21
	Variation 11°15' East.
40.00	Set a limestone 18 in long, 12 in wide and 4 in thick for a quarter section corner.

chains	
80.00	Set a limestone 20 in long 8 in wide and 4 in thick for a corner to sections 16, 17, 20 and 21. Land high rolling prairie Soil, 1st rate.
	East on a random line between sections 16 and 21. Variation 11°,15' East.
21.00	Enter timber bears N.E. and S.W.
22.50	A Branch 10 lks wide course N.E.
27.00	Leave timber bears N.E. and S.W.
30.00	Enter Hazel brush bears N.E. and S.W.
40.00	Set temporary quarter section corner
67.00	A Branch 10 lks wide course N.E.
68.00	Leave brush bears N and S.W.
80.28	Intersected the N and S line 73 lks North of the corner to sections 15, 16, 21 and 22 from which corner I run
	West on a true line between sections 16 & 21. Variation 10° 44' East
40.14	Set a limestone 21 in long 10 in wide and 4 in thick for a quarter section corner
80.28	The corner to sections 16, 17, 20 and 21 Land high and rolling Soil 1st rate. Timber small oak Elm and Brush.
	North between sections 16 and 17 Variation 11°12' East
3.00	Enter timber bears N 45°E.
6.00	The right bank of Rock Creek course N.E.
6.40	The left bank water 40 lks wide clear 3 ft deep. Enter bottom land on left bank of creek.
11.00	Leave timber bears N.E.
32.50	A Road bears N.E. and S.W.
40.00	Set a limestone 19 in long 12 in wide and 4 in thick for a quarter section corner

Chains	
43.00	Leave bottom bears E. and W.
70.00	Leave Upland bears S.E. and N.80°W.
80.00	Set a limestone 20 in long 10 in wide and 8 in thick for corner to sections 8, 9, 16 and 17. Land, bottom and gently rolling prairie Soil, 1st rate for farming. Timber, Oak, Elm, Maple, Hickory and Walnut of a good quality.
	East on a random line between sections 9 and 16. Variation 11°,15'East
40.00	Set temporary quarter section corner
40.20	A Road bears N.E. and S.W.
54.50	To the right bank of the Nimaha river
55.00	Water's edge, enter river comes from the N.W. and flows S.20°E.
60.40	Leave river on right bank course N.E.
67.00	Right bank of the Great Nimaha River again at water's edge, comes from the N.10°E and flows S.20°W.
67.80	Left bank 80 lks wide, 4 feet deep, bank 25 feet high.
68.20	Intersected at a point 3 lks south of post with bearing trees for meander corner to fractional sections 9 and 16 from which corner I run West on a true line between sections 9 & 16. Variation 11°,16'East
28.20	Set a limestone 20 in long 12 in wide and 4 in thick for a quarter section corner
68.20	The corner to sections 8, 9, 16 and 17 Land level bottom. Soil, 1st rate. A Belt of timber on river banks consisting of Sycamore, Elm, Oak, Ash, Walnut and Maple of a good quality. West on a random line between Sections 8 and 17 Variation 11°,15'East.
30.00	A Slough bears N by N.W. and S.W.
32.50	Leave slough and enter hazel brush and scattering timber bears N.W. and S.

Chains	
36.40	Right bank of river comes from the south and flows North soon N.W.
37.30	Water's edge banks 25 feet high, water clear 18 in deep
37.70	Left bank at water's edge.
38.00	Intersected at a maple tree 28 in dia, marked for a meander corner to fractional sections 8 and 11. Land level bottom does not overflow. Soil, black and rich of a fine quality. Timber, good consisting of Burr Oak, Walnut, Hickory Elm, Ash, and Maple. Undergrowth Hazel, green briars and grape vines.
	North on a random line between Sections 8 and 9 Variation 11°,20'East
39.00	The right bank of the Great Nimaha river, course E
40.00	Water's edge bank 20 feet high.
40.80	Left bank water's edge clear water 18 in deep
41.60	Intersected at an Ash, Post, with bearing trees set for meander corner to fractional sections 8 and 9 from which corner I run
	South on a true line between sections 8 and 9. Variation 11°20'East
1.60	The point for quarter section falls under the bank of the river, I therefore make this post a witness corner to the true point for quarter section corner
41.60	The corner to sections 8, 9, 16 and 17 Land, level bottom. Soil, 1st rate. A narrow belt of timber on bank of river consisting of Elm, Maple and brush. August 1st, 1863.
	North between sections 31 and 32 Variation 11°13'East
40.00	Set a limestone 20 in long, 16 in wide and 3 in thick for a quarter section corner

Chains	
45.00	A Ravine, flows N.W.
55.00	A Ravine, flows N.W.
80.00	Set a limestone 20 in long, 12 in wide, and 5 in thick for corner to sections 29, 30, 31 and 32. Land S½ level prairie. Soil, 1st rate, N½ more broken. Soil, 2d rate.
	East on a random line between sections 29 and 32. Variation 11°07'
40.00	Set temporary quarter section corner
42.00	A road bears N.30°E. and S.30°W.
80.02	Intersected the N. and S. line 30 lks south of the corner to sections 28, 29, 32 and 33 from which corners I run West on a true line between sections 29 and 32. Variation 11°20'East
40.01	Set a limestone 16 in long, 16 in wide, and 3 in thick for quarter section corner.
80.02	The corner to sections 29, 30, 31 and 32. Land high, rolling prairie. Soil 1st rate.
	West on a random line between sections 30 and 31. Variation 11°20'East
3.00	A Branch 5 lks wide flows N & W. A point of Timber on creek about 5.00 chs. N.W. of this point
40.00	Set a temporary quarter section corner.
40.25	A Branch 5 lks wide clear running water flows N.W. a Point of Timber 60 lks North of line on Banks.
80.20	Intersected the West boundary of the Township 28 lks. N. of the corner to sections 25, 30, 31 and 36 from which corner I run East on a true line between sections 30 and 31. Variation 11°32' East.
40.20	Set a Limestone 14 in long 8 in wide and 6 in thick for a quarter section corner.
80.20	The corner to sections 29, 30, 31, and 32.

Chains	
	Land rather bluffy surface.
	Lime stone, soil good 2d rate.
	North between Sections 29 and 30.
	Variation 11°15'East
40.00	Set a Lime Stone 16 in long 14 in wide and 4 in thick for a quarter section corner.
66.00	A Drain or water course flows N.W.
80.00	Set a limestone 18 in long, 12 in wide and 3 in thick for a corner to sections 19, 20, 29, and 30.
	Land high and broken surface
	Limestone Soil 2d rate.
	East on a random line between Sections 20 and 29
	(Variation 11°15 East.
30.00	A Ravine, course N.E.
40.00	Set temporary quarter section corner.
45.00	A small branch 10 lks wide, course N.W.
80.10	A narrow belt of Timber on Banks North of line Intersected the N. and S. line 12 lks South of the corner of sections 20, 21, 28 and 29, from which corner I run West on a True line between sections 20 and 29.
	Variation 11°20'East
40.05	Set a limestone 18 in long, 14 in wide and 4 in thick for a quarter section corner.
80.10	The Corner to Sections 19, 20, 29 and 30.
	Land broken and Bluffy.
	Surface Limestone
	Soil, 2d rate.
	West on a random line between sections 19 and 30.
	Variation 10°,15'East.
22.00	A small branch, Course N.W. scattering Timber and Brush on Banks.
34.80	Right Bank of Rock Creek , Course N 25° East.
35.25	Left Bank of Creek 45 lks wide water clear 2 feet Deep.
37.25	Leave Timber and Brush bears N. and S.
40.00	Set Temporary quarter section Corner.
80.05	Intersected the West Boundary of the Township 37 lks N of the Corner to Sections 19, 24, 25 and 30, from which corner I run

Chains	
	East on a true line between sections 19 and 30. Variation 11°31'East.
40.05	Set a lime stone 20 in long 12 in Wide and 3 in thick for a quarter Section Corner.
80.05	The Corner to sections 19, 20, 29 and 30. Land high, rolling Prairie. Soil 1st Rate.
	North between Sections 19 and 20. Variation 11° 12' East
22.00	A Ravine Course N.W.
31.00	Enter Timber bears E and W.
32.50	The right bank of Rock Creek Course N 10°E. Enter bottom Land Bears with Creek.
32.90	Left Bank of Rock Creek 40 lks wide
39.00	Leave Timber and Enter Prairie bears N.W. and E.
40.00	Set a lime Stone 11 in Long 15 in wide and 3 in thick for a quarter Section Corner.
63.00	A Road bears N.E. and S.W.
64.00	Leave Bottom bears E. and W.
80.00	Set a lime stone 18 in Long 14 in wide and 4 in thick for a Corner to Sections 17, 18, 19 and 20. Land South of Rock Creek a high bluff with surface Lime stone Soil 2d rate North of creek level and undulating Soil 1st rate Timber good Oak, Elm, Walnut and Hickory Undergrowth the same Briars and Grape vines.
	East on a random line between Sections 17 and 20 Variation 10°05'East
17.00	Enter Bottom Land bears N.E. and S.W.
30.00	A Road bears N.60°E. and S.W.
40.00	Set Temporary quarter section corner
56.00	Enter Hazel brush and Plum bears N.E. and S.W.
60.00	Enter Timber bears N.E. and S.W.
62.00	The Left Bank of Rock Creek Course N.E.
62.50	The Right Bank of Rock Creek 50 lks wide.
65.00	Rock Creek again Course S.E. 50 lks wide

Chains.	
70.00	Rock Creek again Course N.E. 50 lks wide
72.00	Leave Timber bears N.60°E. leave Bottom at this point Bears N.E. and S.W.
79.96	Intersected the N. and S. line 40 lks South of the corner to sections 16, 17, 20 and 21, from which corner I run
	West on a True line between Sections 17 and 20. Variation 11° 22'
39.98	Set a limestone 20 in long 14 in wide and 3 in thick for a quarter section corner.
79.96	The corner to sections 17, 18, 19 and 20. The center of this section is level Bottom Black Rich Soil, the East and West corners are high and bluffy. Soil 2d rate. Timber Oak, Elm, Walnut and Hickory and Hackberry Undergrowth the same Hazel, Grape Vines and Green Briars.
	August 2nd 1863.
	West on a random line between sections 18 and 19. Variation 11°12' East.
11.00	A Road bears N.W. and S.E.
40.00	Set temporary quarter section corner.
80.09	Intersected the West Boundary of the Township 16 lks N. of the Corner to sections 13, 18, 19 and 24 from which corner I run
	East on a True line between sections 18 and 19 Variation 11°19' East.
40.09	Set a limestone 18 in long, 16 in wide and 3 in thick for a quarter section corner
80.09	The corner to sections 17, 18, 19 and 20. Land, high rolling prairie. Soil 1st rate.
	North on a random line between sections 17 and 18 Variation 11° 12' East
40.00	Set Temporary quarter section corner. Four groves of Oak Timber in the S.E. quarter of section 18 about an acre each 12 chains West of line.
40.50	A Ravine Course N.E.
50.00	Enter Timber bears E and W.

Chains.	
56.90	Right bank of the Great Nimaha River at Water's edge Course from N.80°W and flows E.
57.80	Left bank of Water's edge Clear water muddy Bottom.
58.00	Intersected at a Post with bearing Trees meander Corner to fractional sections 17 and 18 from which corner I run
	South on a True line between sections 17 and 18.
18.00	Set a lime stone 20 in long 15 in wide and 3 in thick for a quarter section corner.
58.00	The Corner to sections 17, 18, 19 and 20. Land high rolling and broken. Soil 2d Rate. Timber Oak, Elm, Walnut, Ash, Maple and Hackberry of a good quality.
	East on a random line between sections 7 and 18 Variation 11° 14'East
7.00	A small Branch with a narrow belt of Timber on Banks, flows south heads about 5 chs. North of line 3 lks wide.
13.00	Enter timber bears N 80°E and S 80°W.
15.00	A Branch 15 lks wide Course N.E.
18.00	Same Branch 15 lks wide Course S.E.
25.00	Same Branch 15 lks wide Course N.E.
29.00	Same Branch 15 lks wide, Course South
39.00	Enter a Heavy body of Timber, mostly south of the Line about 25 chs. wide bears N and S.
40.00	Set Temporary quarter section corner Enter Bottom Land at this point bears N.E. and S.
51.00	Leave Timber bears South 80° East and N.W.
61.00	Enter Timber bears North and South 80°W.
72.75	Right Bank of the Great Nimaha River.
73.70	Waters edge Comes from the N.W. and flows S 40°E. Banks 25 feet high water Clear 3 feet Deep.
74.40	The left Bank at Waters edge.
74.60	Intersected at an ash Tree 9 in Dia. marked for Meander Corner to fractional Sections 7 and 18 from which corner I run
	West on a true line between sections 7 and 18. Variation 11°14'East

chains	
34.60	Set a Lime Stone 22 in Long 10 in wide and 3 in thick for a quarter sections corner From which an Oak 8 in Diam. bears S.44°E 63 lks Dist. No Tree near in Section 7.
74.60	The Corner to sections 7, 12, 13 and 18. Land West 40 Chs. high rolling Prairie Soil 1st rate. East 35 Chs. Level Bottom Soil 1st rate. Timber Oak, Elm, Ash, Cottonwood, Hickory and Walnut. Aug. 2d 1863.

The quality of land in this fractional Township is considerably above the common average, There is a very fair proportion of Rich Bottom Land on the South side of the Great Nimaha River. The uplands are rolling and sometimes Bluffy, of 1st and 2nd rate land. Rock Creek is a beautiful Stream of Clear Water running Diagonally through the Township entering in section 30 and Emptying into the Great Nimaha River in section 16. There is a narrow Bottom on the West side of this Creek of fine land. Timber Chiefly Oak, Elm, Walnut, Hickory, Hackberry and Maple, with some Cottonwood and ash. The Town of Salem is a place of quite a rapid growth S. on the North side of the River in section 9.

It now contains 30 or 40 houses and has the appearance of a Thrift and Prosperity.

List of Names.

A list of the individuals who assisted in running measuring or marking the lines and Corners described in the foregoing field notes of Fractional Township 1 North of Range 15 East of the 6th Principal Meridian, showing the respective capacities in which they acted.

R. G. Fitzgerald	Chainman
Wm. W. Holt	Chainman
S.W. Hardenburgh	Axman & Cornerman
Wm. Sears.	Flagman
Andrew J. Angell	Compassman.

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FIELD NOTES

OF THE

SURVEY OF THE SUBDIVISIONAL LINES

OF FRACTIONAL TOWNSHIP 1 NORTH OF

RANGE 16 EAST OF THE 6th PRINCIPAL

MERIDIAN, AS SURVEYED BY

THOMAS OSBERN

UNDER HIS CONTRACT NO

WITH INDIAN DEPARTMENT, DATED June 13

1863.

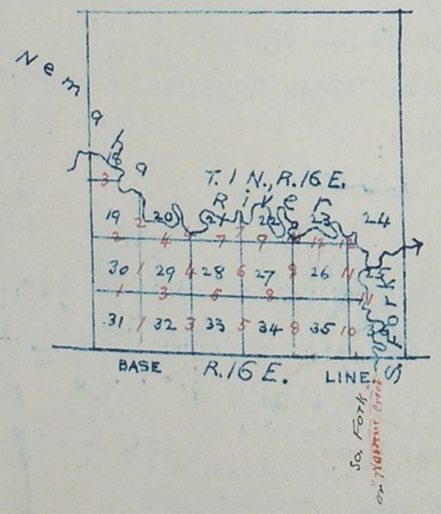
SUBDIVISION COMMENCED JULY 24th, 1863.

" COMPLETED JULY 27th, 1863

Names and Duties of Assistants.

William W. Holt	Chainman
Richard Fitzgerald	Chainman
William Sears	Flagman
Samuel Hardenburgh	Cornerman
Andrew J. Angell	Compassman.

INDEX DIAGRAM.



July 24th, 1863.

On Running the Range line between Ranges 15 and 16, I find the adjustment of my Compass for subdividing this Township to be a
Variation of 11°10' East.

North between sections 31 and 32.
Variation of 11°10' East

40.00 Set a lime Stone 17 in long 11 in wide and 3 in thick for a quarter Section Corner.
60.00 A Road bears N.E. and S.W.
80.00 Set a lime Stone 18 in long 14 in wide and 4 in thick for a Corner to sections 29, 30, 31 and 36.
Land high rolling Prairie. Soil 1st rate.

West on a random line between sections 30 and 31.
Variation 11° 10' East

40.00 Set Temporary quarter section corner.
79.97 Intersected the West boundary of the Township 35 lks south of the Corner to sections 25, 30, 31 and 36 from which I run
East on a True line between sections 30 and 31.
Variation 10° 55' East

39.98 Set a limestone 15 in long, 14 in wide and 4 in thick for a quarter section corner.
79.97 The Corner to Sections 29, 30, 31 and 36.
Land undulating Prairie.
Soil 1st rate.

North between Sections 29 and 30
Variation 11°, 10' East

40.00 Set a limestone 16 in long, 15 in wide and 5 in thick for a quarter section corner.
80.00 Set a limestone 18 in long 14 in Wide and 4 in thick for a corner to sections 19, 20, 29 and 30.
Land High and Dry undulating Prairie.
Soil, 1st rate.

Chs.& Lks.	
	West on a random line between sections 19 and 30. Variation 11°00'East.
40.00	Set Temporary quarter section Corner.
79.98	Intersected the West boundary of the Township 7 lks south of the corner to sections 19, 24, 25 and 30, from which corner I run
	East on a true line between sections 19 and 30. Variation 10°57'East.
39.99	Set a limestone 14 in long 14 in Wide and 4 in thick for a quarter section corner.
79.98	The Corner to sections 19, 20, 29 and 30. Land high rolling Prairie Soil 1st rate.
	North between Sections 19 and 20 on a random line. Variation 11°10' East.
27.50	Enter Timber bears S.W. and N.W.
30.00	Enter Nimaha River bottom bears E and W.
31.00	A Small Creek 10 lks Wide Course N.E.
40.00	Set a post for temporary quarter section corner.
60.00	The Right Bank of the Great Nimaha River, comes from the N.W. and flows S.15° E Water Clear gentle current 3 ft Deep.
60.45	Waters edge
61.10	Left bank of River
61.44	To a point 19 lks East of a Maple Tree 16 in Diam marked for meander Corner to fractional sections 19 & 20 from which corner I run South on a True line bet. secs. 19 & 20. Variation 11°16' East
21.40	Set a post for quarter section corner, from which A White Oak 18 in Dia bears N 23°30'E 80 lks Dist A White Oak 12 in Dia bears N 20°W 26 lks Dist.
61.40	The corner to Sections 19, 20, 29 and 30. Land South ½ High Dry Prairie with surface Lime stone Soil 2d rate. North ½ Level bottom Timber land of a good quality consisting of Oak, Elm, Walnut, Box Elder and Cottonwood, undergrowth Hazel Briars and Grape Vines Soil 1st rate, a fine farm on the North side of the river in section 20.

Chs.& Lks	
	East on a random line between sections 18 and 19. Variation 11° 05' East.
40.00	Set Temporary quarter section corner.
50.00	Enter Timber bears N and S.
53.00	Right bank of the Great Nimaha River comes from N 20°W. and flows S.E.
54.50	Left bank by measurement water clear 2 ft Deep Banks 25 ft
55.10	To a point 11 lks south of a post Corner to fractional sections 18 and 19, from which corner I run West on a True line between sections 18 and 19. Variation 11°35'East.
15.10	Set a lime stone 14 in long 14 in wide and 4 in thick for a quarter section Corner.
55.10	The Township corner to sections 13, 18, 19 and 24. Land Level Bottom does not appear to overflow. Soil Black and rich 1st rate. Timber Oak, Elm, Walnut & Maple
	North between sections 32 and 33. Variation 11°10'East.
40.00	Set a limestone 17 in long 12 in wide and 4 in thick for a quarter section corner
77.00	A Prairie Creek 5 lks wide flows E comes from the N.W.
80.00	Set a limestone 18 in long 14 in wide and 4 in thick for a corner to sections 27, 28, 32 and 33. Land mostly undulating Prairie Soil, 1st rate.
	West on a random line between sections 29 and 32. Variation 11°10' East
40.00	Prairie Creek 4 lks wide Course S.E.
37.00	Prairie Creek 4 lks wide Course N.E.
40.00	Set Temporary quarter section corner.
43.00	A Road bears N.E. and S.W.
80.06	To a point 33 lks South of the corner to sections 29, 30, 31 and 32 from which corner I run

Chs.& Lks.

East on a True line between sections 29 and 32.
Variation 10° 56' East.

40.03 Set a limestone 15 in long 14 in Wide and 4 in thick for a quarter section corner

80.06 The corner to sections 28, 29, 32 and 33.
Land high rolling Prairie Soil 1st rate.
July 25th,1863.

North between sections 28 and 29.
Variation 11°10' East

40.00 Set a limestone 15 in long 14 in Wide and 4 in thick for a quarter section corner.

41.00 A Road bears N.E and S.W.

80.00 Set a limestone 20 in long 15 in Wide and 3 in thick for a corner to sections 20, 21, 28 and 29.
Land High Gently rolling Prairie Soil 1st rate.

West on a random line between sections 20 and 29.
Variation 11°20' East

4.00 Enter Brush and small Timber bears N. and S.

5.50 A Prairie Creek 7 lks wide Course North

7.00 Leave Brush and Timber and Enter Prairie bears N & S.

40.00 Set Temporary quarter section corner.

80.04 Intersected the N and S line 37 lks South of the corner to sections 19, 20, 29 and 30, from which corner I run

East on a true line between sections 20 and 29.
Variation 11° 04' East

40.02 Set a limestone 16 in long 14 in Wide and 4 in thick for a quarter section corner.

80.04 The Corner to sections 20, 21, 28 and 29
Land High rolling Prairie surface Lime stone
Soil 2d rate.

North on a random line between sections 20 and 21

Variation 11°15'East.

3.00 Massoiquets House (Indian Chief) 3.00 Chs. East of the Line. A fine spring of pure water 2 chs. West of line.

9.10 Right and South Bank of the Great Nimaha River
A Belt of Timber on Bank of Creek bears E and S.W.

10.00 Waters edge comes from the N.W and flows N.E.
Water clear 2 ft Deep running swift

11.17 Left Bank Waters Edge

11.47 To a point 46 E of a Post Corner to fractional sections 20 and 21 from which corner I run
South on a True line between sections 20 and 21

Variation 11° 35' East.

11.47 The Corner to sections 20, 21, 28 and 29.
Land High rolling Prairie
Soil 2d rate.
Timber Oak, Hickory and Sycamore on Banks

North between sections 33 and 34.

Variation 11°10' East

3.00 A Road bears N 80° E.

9.25 A Road bears N.15° E.

40.00 Set a limestone 18 in long 15 in Wide and 4 in thick for a quarter section corner.

80.00 Set a limestone 18 in long 14 in Wide and 4 in thick for a corner to sections 27, 28, 33 and 34.
Land High rolling Prairie
Soil 1st rate.

West on a random line between sections 28 and 33.

Variation 11° 00' East.

35.00 Enter Brush and Small Timber Bears N 10 E and S.W.

38.50 Leave Brush Enter Narrow point of Prairie bears N and S.W.

40.00 Set post for Temporary quarter section corner

45.00 Enter Timber bears N 10°E. and S 10° W.

Chs.& Lks.

48.00 Pony Creek 40 lks wide Course N 20°E Water 6 in Deep Clear muddy Bottom.
50.00 Leave Timber bears N 10° E. and S.10°W.
80.38 Intersected the N and S line 60 lks south of the Corner to sections 28, 29, 32 and 33, from which corner I run
East on a True line between sections 28 and 33.
Variation 10°34' East.
40.19 Set a lime stone 16 in long 14 in Wide and 3 in thick for a quarter section corner
80.38 The Corner to sections 27, 28, 33, and 34
Land rolling Prairie Soil 1st rate.
Timber Oak, Elm and Maple and Undergrowth Hazel and Briars, (a narrow Bottom on Creek)

North between sections 27 and 28.
Variation 11°15'East.
7.00 A small Dry Branch flows N 10°E.
12.00 Enter Timber and Brush bears W and N.E.
13.00 Enter Creek bottom land bears N.E. and W.
25.00 Pony Creek 60 lks wide comes from N 80°W and flows E Water Clear 3 ft Deep muddy Bottom.
Banks 18 ft high.
27.50 Enter pony Creek.comes from N 5°E. flows S.W.
30.00 Leave Pony Creek Bears N 30°E. and S 5°W.
34.75 Cross Pony Creek 50 lks Wide comes from W. and flows S 10°E. Water Clear 3 ft Deep
40.00 Set a limestone 16 in long 15 in Wide and 4 in thick for a quarter section corner.
49.75 Enter Cornfield bears S 70°E. and N 70°W.
72.00 Leave cornfield bears N 30°E and S 30°W.
73.00 Road bears N 30°E and S 30°W.
75.00 N.W. Corner of the Field 2 Chs. E of this point.
76.00 Cross a road bears N 70°W and S 10°E.
80.00 Set a limestone 18 in long 14 in Wide and 3 in thick for corner to sections 21, 22, 27 and 28.
Land mostly level bottom Soil 1st rate.
Timber on Pony Creek Oak, Elm, and Walnut Under-growth the same grape vines Prickly Ash and Green Briars.

Chs.& Lks.	
	West on a random line between sections 21 & 28. Variation 11°00'East
2.00	Leave bottom bears N.W. and S.
3.00	A Road bears N 85°W.
30.00	A Road bears S 80°W. and N 80°E.
40.00	Set Temporary quarter Section corner
61.00	A Road bears N 85°W. and S.E.
77.00	Massoiquets House 3 Chs. West of this point
80.05	Intersected the N. and S. line 80 lks south of the Corner to sections 20, 21, 28 and 29, from which corner I run
	East on a true line between sections 21 and 28. Variation 10°25'East
40.02	Set a limestone 17 in long 13 in Wide and 3 in thick for a quarter section corner
80.05	The Corner to sections 21, 22, 27 and 28. Land High Level Bottom Prairie Soil 1st rate.
	July 26th 1863
	North on a random line between sections 21 & 22. Variation 11° 10' East
11.00	A Slough bears N.E. and N.W.
20.00	Leave Slough bears N 30°E. and S.20°W.
30.00	Enter Brush bears E and W.
31.00	Enter Timber bears E and W.
36.50	To East margin of Nimaha river bears S.W. and N 30°W.
40.00	Set Temporary quarter section corner.
44.00	Right Bank of Nimaha River
44.80	Waters edge comes from W and flows S 20°E.
45.67	Left Bank Waters edge
45.90	To a point 19 lks East of A post Corner to fractional Sections 21 and 22 from which corner I run South on a True line between Sections 21 and 22 Variation 11° 18' East
5.90	Set a Walnut Post for a quarter section corner from which A Walnut 6 in Dia. bears S 84° 30' W 15 lks Dist. An Elm 24 in Dia. bears S 49°E 13 lks Dist .

Chs.& Lks.

45.90 The Corner to sections 21, 22, 27 and 28
Land Level Bottom Soil 1st Rate
Timber, Oak, Elm, Ash, Walnut and Hickory of a good quality.

North between sections 34 and 35
Variation 11° 10' East.

36.00 Prairie Creek 10 lks Wide Clear Water course E.
40.00 Set a limestone 16 in long 15 in Wide and 4 in thick for a quarter Section corner
77.00 A Road bears N 20° W and S 20°E.
80.00 Set a limestone 18 in long 16 in Wide and 3 in thick

for Corner to sections 26, 27, 34 and 35.
Land High Rolling Prairie
Soil 1st Rate.

West on a random line between sections 27 and 34.
Variation 11° 00' East.

1.50 Cross Road bears N 20°W.
14.00 Cross Road bears N and S.
20.00 A Ravine flows N.W.
40.00 Set Temporary quarter section corner
79.78 Intersected the N and S line 12 lks South of the corner to sections 27, 28, 33 and 34, from which corner I run West
East on a True line between sections 27 and 34.
Variation 10°55' East.

39.98 Set a limestone 17 in long 15 in Wide and 4 in thick for a quarter section corner.
79.78 The corner to sections 26, 27, 34 and 35.
Land High rolling Prairie
Soil 1st rate.

North between sections 26 and 27
Variation 11° 05' East.

Chs.& Lks.	
40.00	Set a lime stone 17 in long, 15 in Wide and 4 in thick for a quarter Section corner.
62.00	An Indian House Peteokemaus and Moless living in the House 30 chs W. of the line
69.00	Enter Scattering Timber bears N.E and S.W.
70.00	A Branch 10 lks wide flows N.W.
80.00	Set a limestone 20 in long 14 in Wide and 3 in thick for a corner to sections 22, 23, 26 and 27, from which A Burr Oak 8 in Dia. bears S 60° E 50 lks Dist. A Burr Oak 6 in Dia. bears N 50°E 46 lks Dist. A Black Oak 14 in Dia. bears N.41°W. 49 lks Dist. No Trees Convenient to mark in section 27
	Land high rolling Prairie Soil 2d Rate. Timber Oak, Hickory, Elm and Walnut, of a good quality.
	West on a random Line between sections 22 and 27. Variation 11°00'East
3.50	Pony Creek 60 lks wide flows N.
4.00	Enter Bottom on West side of Creek
14.00	Leave Timber bears N 20°E and S 20°W soon West
18.60	A Road bears N and S.
36.50	A Road bears N.E and S.W.
37.00	Enter Joseph Tessons yard bears N and S.
40.00	Set Temporary quarter section corner (in yard)
44.50	Joseph Tesson's House. A Hewd Log) 50 lks south of the line.
45.10	Leave Joseph Tesson's yard fence bears N and S.
70.00	Mike Griffen's House (The Sac and Farm House) 6 Chs. S. of the line.
79.98	Intersected the N. and S. line 25 lks. North of the corner to sections 21, 22, 27 and 28, from which corner I run East on a true line between sections 22 and 27. Variation 11° 11' East
39.99	Set a limestone 18 in long 14 in Wide and 4 in thick for a quarter section corner.

Chs. & Lks.	
79.98	The Corner to Sections 22, 23, 26 and 27. Land mostly Level Bottom Soil 1st Rate.
	North on a random line between sections 22 and 23. Variation 11°05'East.
5.00	Pony Creek 40 lks Wide Course E soon, N.
8.00	Pony Creek 46 lks Wide Course N 30° W. a coal Bank 1.50 Chs. N.W. of this point.
13.80	Right bank of Nimaha River.
14.00	Waters Edge comes from the W flows N 80°E.
15.40	Left Bank by measurement Water clear 10 in Deep, runs swift.
23.80	Left Bank again comes from the N.E and flows S.W.
25.10	Right bank
36.10	Right Bank again comes from the N.W and flows N.E.
37.60	Left Bank To a point 61 ½ks E of A post with Bearing Trees meander corner to fractional sections 22 and 23.
	South on a True line between sections 22 and 23. Variation 11°31'East.
37.60	The Corner to Sections 22, 23, 26 and 27. Land Level mostly Timber Land consisting of Oak, Elm, Ash, Walnut & Sycamore undergrowth Hazel Grape vines and Briars. July 27, 1863.
	North between sections 35 and 36. Variation 11° 05' East.
40.00	Set a limestone 18 in long 13 in Wide and 3 in thick for a quarter section corner.
64.00	Enter Bottom Land, bears N.W and S.E.
80.00	Set a limestone 20 in long 14 in Wide and 3 in thick for corner to sections 25, 26, 35 and 36. Land mostly gently rolling Prairie Soil 1st rate. then 16 Chs. N. Level Bottom Soil 1st rate.

Chs.& Lks.

West on a random line between sections 26 and 35.
Variation 10° 55' East

19.00 Enter Upland Prairie bears N.E and S.W.
40.00 Set Temporary quarter section corner
80.01 Intersected the N. and S. line 25 lks N. of the corner to sections 26, 27, 34 and 35, drom which corner I run East on a True line between sections 26 and 35.
Variation 11° 06' East.

40.00 Set a limestone 15 in long 15 in Wide and 3 in thick for a quarter section corner.
80.01 The Corner to sections 25, 26, 35 and 36.
Land mostly gently rolling Prairie.
Soil 1st rate.

The line between sections 25 and 36 will strike the South fork of Nimaha River (or Walnut Creek) in less than 80 chains. I therefore run it East East on a True line between sections 25 and 36.
Variation 11° 10' East

23.00 Enter Timber bears N and S.
25.75 To the left bank of the south Fork of the Great Nimaha River or Walnut Creek marked an Elm Tree 10 in Dia. for Meander Corner to fractional sections 25 and 36, from which a Black Walnut 24 in Dia. bears N 47° ½' W. 25 lks. Dist. No other Trees near to mark, Land level Bottom Soil 1st rate.
Timber Oak, Elm and Walnut.

North between sections 25 and 26.
Variation 11° 05' East.

40.00 The point for a quarter section corner falls in a Slough or Deep Water course, I therefore set a limestone 15 in long 15 in Wide and 3 in thick on S. Bank of Slough 30 lks S of the point for quarter section corner.
80.00 Set a limestone 18 in long 14 in Wide and 4 in thick for Corner to sections 23, 24, 25 and 26.

Chs.& Lks.

Land level bottom Soil 1st rate.

West on a random line between sections 23 and 26.
Variation 11° 05' East.

40.00 Set Temporary quarter section corner.
50.00 Leave Bottom enter upland Prairie bears N and S.E.
73.00 Enter scattering Timber (Burr Oak)
77.00 Branch 5 lks wide Course N.W.
80.21 Intersected the N and S line 13 lks N of the corner to sections 22, 23, 26 and 27, from which corner I run East on a True line between sections 23 and 26.
Variation 11° 10' East.

40.10 Set a limestone 16 in long 16 in Wide and 2 in thick for a quarter section corner.
80.21 The corner to sections 23, 24, 25 and 26.
Land W 30 chs. High & rolling Soil 2d rate
E 50

Chs. level Bottom Soil 1st rate.
East on a random line between sections 24 and 25
Variation 11° 05' East.

15.00 Enter Timber bears N 20°W and S 20° E.
16.30 Right bank of the Great Nimaha River comes from the N 20°W and flows S 13°E. High Banks muddy Bottom
17.00 Left Bank water clear 3 ft Deep
17.45 To a point 36 lks S. of a post corner to fractional sections 24 and 25, from which corner I run West on a true line between sections 24 and 25.
Variation 11° 20' East,

17.45 The corner to sections 24, 25, 23 and 26.
Land Level bottom Soil 1st rate but rather wet
Timber Oak, Elm, lynn, ash, Walnut and Maple.

North on a random line between sections 23 and 24.
Variation 11° 10' East

8.00 The Right and S. Bank of the great Nimaha River. comes from the S.65°W. and flows N.65°E.
8.15 Waters edge.
9.00 Left Bank Waters edge.
10.00 Intersected the line from the North at a Post Corner to fractional sections 23 and 24.

Land Level Bottom Soil 1st rate.
A narrow belt of Timber on banks of River Elm and Maple.

Evening July 27, 1863.

General Description.

This fractional Township is generally of a fine quality of soil. There is a fair proportion of Rich Bottom Land on the Nimaha River and Walnut River. The Bluffs in West part of sections 21 and East part of 20 extend to the River. Nimaga falls is in fractional section 21. There is a good coal bank in fractional section 22 on the East bank of Pony Creek which from appearance will be valuable for fuel when properly Developed. There is a fair proportion of Timber in this fractional Township consisting of Oak, Elm, Walnut, Maple, Hickory and Cottonwood of a good quality. Falls City is a flourishing Town of about 500 Inhabitants in the North part of this Township and has the appearance of thrift and prosperity.

List of Names.

A list of the individuals employed to assist in running, measuring or marking the lines and Corners described in the foregoing Field Notes of fractional Township 1 North of Range 16 E of the 6th Principal meridian, Showing the respective Capacities in which they acted.

R. G. Fitzgerald	Chainman
Wm. W. Holt	Chainman
S.W. Hardenburgh	Axman & Cornerman.
Wm. Sears	Flagman.
A. J. Angell	Compassman.

We hereby certify that we assisted Thos A. Osbern, Deputy Surveyor in surveying the Exterior Boundaries and Subdivision lines of fractional Townships 1 North of Ranges 14, 15 and 16 East Known as the Sac and Fox of Missouri Indian Reservation and also in surveying the Boundary & Meander lines of the New Reservation, and that said Township and Boundary lines 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 Printed Manual of Surveying instructions.

R. G. Fitzgerald	Chainman
Wm. W. Holt	Chainman
S. W. Hardenburgh	Axman & Cornerman
William Sears	Flagman
Andrew J. Angell	Compassman.

Subscribed in my presence, and sworn to by the above named Persons, before me this 18th day of August A. D. 1863 -

John E. Blaine,

Clerk District in and for
Leavenworth County and
State of Kansas.

I, Thomas A. Osborn, Deputy Surveyor, do solemnly swear that in pursuance of a Contract with Hon. Wm. P. Dole, Commissioner of Indian Affairs, bearing date the 13th day of June A.D. 1863, and in strict conformity to the laws of the United States and the instructions furnished by the said Commissioner of Indian Affairs, I have faithfully surveyed the Exterior boundaries and Subdivisions of the Sac & Fox of Missouri Indian Reservation: and also the Exterior boundaries of the New Reserve of the Sac & Fox Indians, as ceded to them by the Iowa tribe of Indians, under treaty of March 6th A.D. 1861, and do further swear that all the corner boundaries have been constructed of not less size and dimensions, prescribed in the printed Manual of surveying instructions, dated February 22d 1855, marked and conditioned in every respect as therein required, and that the foregoing are the true and original field notes of such survey.

Thomas A. Osborn,

Subscribed by said Thos. A. Osborn, Deputy Surveyor, and sworn to before me Clerk of District Court for Leavenworth County, State of Kansas, this 6th day of October A.D. 1863 -

John E. Blaine,

Clerk District Court in & for Leavenworth County, and State of Kansas.

FIELD NOTES

of the

RESURVEY OF THE BASE LINE

between

KANSAS AND NEBRASKA

within

THE SAC AND FOX INDIAN RESERVATION

and

also the field notes of the Subdivision into 40 Acre tracts of land of fractional Townships One North of Ranges 16,17 and 18 East of the 6th Principal Meridian in the State of Nebraska, included within said reservation, by Holland Wheeler, Deputy Surveyor, under his Contract No.368, dated September 9, 1872.

By Holland Wheeler
Dated Sept-9-1872

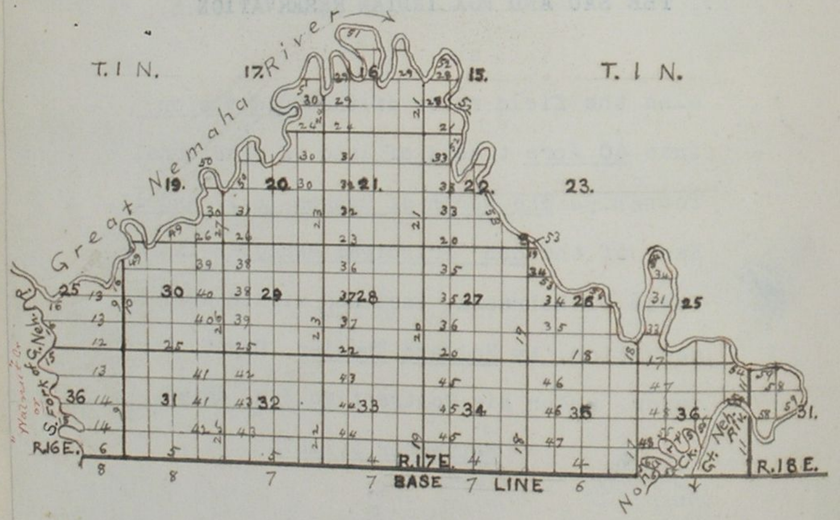
Survey

Commenced October 11, 1872

Completed November 2, 1872.

Names and Duties of Assistants.

R. S. Cain	Chainman
T. P. Evans	Chainman
J. Conner	Flagman.



We, R. S. Cain and T. P. Evans do solemnly swear that we will faithfully execute the ditues of chain carriers, that we will level the chain upon uneven ground and plumb the tally pins, whether by sticking or dropping the same, that we will report the true distances to all notable objects, and the true length of all lines that we assist in measuring, to the best of our skill and ability

(Signed) R. S. Cain
(Signed) T. P. Evans

Subscribed and sworn to before me this 10th day of Oct. A. D. 1872

(Signed) C. W. Shreve
:-:-:: Notary Public.
:Seal:
:-:-:-

I, James Conner 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

(Signed) James Conner

Subscribed and sworn to before me this 7th day of October A. D. 1872.

(Signed) C.W. Shreve

Notary Public

:-:-:-:
:Seal :
:-:-:-:

Chains

Field Notes of the Resurvey of that portion of the Base line in Ranges Sixteen (16) and Seventeen (17) East of the Sixth Principal Meridian within the Sac and Fox Indian Reservation.

Begin at the stone at the cor. to Secs. 35 and 36 Township 1 N. R. 17 E. and run
West on a random line on the South boundary of Sec. 35 Va. 12°50' E.

10.00	Set a post for temporary Cor.
20.00	Set a post for temporary Cor.
25.00	Enter inclosure bears N.E.
30.00	Set a post for temporary Cor.
40.00	At standard ¼ Sec. Cor
50.00	Set a post for temporary Cor.
60.00	Set a post for temporary Cor.
75.62	Leave inclosure bears N. and S.
80.00	At Standard Cor. to Secs. 34 and 35.

West on a random line on the South boundary of Sec. 34 Va. 12° 15' E.

10.00	Set a post for temporary Cor.
20.00	Set a post for temporary Cor.
30.00	Set a post for temporary Cor.
35.60	Ravine, bears S.
40.00	At a point 16 lks. S. of the ¼ Sec. Cor.
50.00	Set a post for temporary Cor.
60.00	Set a post for temporary Cor.
70.00	Set a post for temporary Cor.
80.00	At a point 35 lks. S. of the Standard Cor. to Secs. 33 and 34.

From the Standard Cor. to Secs. 33 & 34, I run
West on a random line on the South boundary of Sec. 33 Va. 11°45'E.

3.60	Ravine bears S.

Chains	
10.00	Set a post for temporary Cor.
20.00	Set a post for temporary Cor.
28.10	Small stream bears S.E.
30.00	Set a post for temporary Cor.
40.00	At a point 4 lks. S. of ¼ Sec. Cor.
50.00	Set a post for temporary Cor.
60.00	Set a post for temporary Cor.
70.00	Set a post for temporary Cor.
80.00	At a point 12 lks. South of the Standard Cor. to Secs. 32 and 33.

West on a random line on the South boundary of Sec. 32. Va. 11°30'E.

10.00	Set a post for temporary Cor.
20.00	Set a post for temporary Cor.
30.00	Set a post for temporary Cor.
40.00	At a point 2 lks. S. of the ¼ Sec. Cor.
50.00	Set a post for temporary Cor.
60.00	Set a post for temporary Cor.
70.00	Set a post for temporary Cor.
80.00	At a point 8 lks. S. of the Standard Cor. to Secs. 31 & 32.

West on a random line on the South boundary of Sec 31 Va. 11°20' E.

9.98	Ravine bears N.W.
10.00	Set a post for temporary Cor.
20.00	Set a post for temporary Cor.
30.00	Set a post for temporary Cor.
40.00	At a point 4 lks. S. of the ¼ Sec. cor.
50.00	Set a post for temporary Cor.
60.00	Set a post for temporary Cor.
70.00	Set a post for temporary Cor.
80.00	At a point 12 lks. S. of the Standard Township Cor. between Ranges 16 and 17 E. in Township 1 North.

Chains.	
	West on a random line on the South boundary of Sec. 36
	Va. 11° 15' E.
20.00	Set a post for temporary Cor.
24.70	At the Mound the Township Cor. between Ranges 16 & 17 East in Township 1 South
29.67	At a Limestone Marked "M 20 $\frac{17}{20}$ "
30.00	Set a post for temporary Cor. in the right bank of the South fork of the Nemaha river.

Having closed the Section lines in Township 1 S. R. 17 E. into the Base line and established the closing corners.

I proceed as follows to correct the line and establish Subdivisional Corners.

Begin at the Stone the Cor. to Secs. 35 & 36 in Township 1 N. R. 17 E. and run East on a true line on the South boundary of Sec. 36

Va. 13°E.

9.25	Set a Limestone 14x8x5 in. in the Left bank of Nohart's Creek for the Cor. to fractional Secs. 1 and 36

From the Standard Cor. to Secs 35 & 36 Township 1 N. R. 17 E. I run West on a true line on the South boundary of Sec.35

Va. 12°50'E.

10.54	Set a Limestone 16x14x3 in. for 1/16 Sec. Cor. in North boundary of Sec. 2 Township 1 S. R. 17 E.
20.00	Set a Limestone 18x16x4 in. for 1/16 Sec. Cor.
30.54	At the closing Cor. to Secs. 1 and 2 T. 1 S. R. 17 E.
40.00	At the Standard ¼ Sec. Cor.
50.71	Set a Limestone 14x12x4 in. for 1/16 Sec. Cor. in N. boundary of Sec. 2
60.00	Set a Limestone 16x14x3 in. for 1/16 Sec. Cor.
70.88	Set a Limestone 16x12x4 in. for ¼ Sec. Cor. to Sec 2.

chains	
80.00	At Standard Cor. to Secs. 34 and 35.

N. 89° 45' W. on a true line on the South boundary of Sec. 34

Va. 12°15'E.

11.05	Set a Limestone 16x8x4 in. for 1/16 Sec. Cor. in the North boundary of Sec. 2.
20.00	Set a Limestone 14x14x4 in. for 1/16 Sec. Cor.
31.22	At closing Cor. to Secs. 2 and 3 Township 1 S.R.17 E.
40.00	At Standard ¼ Sec. Cor.
51.06	Set a Limestone 16x14x3 in. for 1/16 Sec. Cor. to Sec. 3
60.00	Set a Limestone 24x10x4 in. for 1/16 Sec. Cor.
70.71	Set a Limestone 16x8x4 in. for ¼ Sec. Cor. to Sec 3
80.00	At Standard Cor. to Secs. 33 and 34

N. 89° 55' W. on a true line on the South boundary of Sec 33

Va. 11°45'E.

10.75	Set a Limestone 12x10x5 in. for 1/16 Sec. Cor. in N. boundary of Sec 3.
20.00	Set a Limestone 20x16x3 in. for 1/16 Sec. Cor.
30.60	At the Closing Cor. to Secs. 3 & 4
40.00	At Standard ¼ Sec. Cor.
50.60	Set a Limestone 18x10x8 in. for 1/16 Sec. Cor. to Sec. 4
60.00	Set a Limestone 16x14x4 in. for 1/16 Sec. Cor.
70.60	Set a Limestone 12x10x5 in. for ¼ Sec. Cor. to Sec. 4.
80.00	At the Standard Cor. to Secs. 32 and 33.

N. 89° 57' W. on a true line on the South boundary of Sec. 32

Va. 11°30' E.

10.59	Set a Limestone 16x14x4 in. for 1/16 Sec. Cor. to Sec. 4.
20.00	Set a Limestone 16x14x5 in. for 1/16 Sec. Cor.
30.58	At the Closing Cor. to Secs. 4 and 5
40.00	At Standard ¼ Sec. Cor.

Chains	
50.43	Set a Limestone 16x14x3 in. for 1/16 Sec. Cor. to Sec. 5.
60.00	Set a Limestone 14x14x4 in. for 1/16 Sec. Cor.
70.28	Set a Limestone 20x10x4 in. for ¼ Sec. Cor. to Sec. 5.
80.00	At the Standard Cor. to Secs. 31 and 32.

N. 89° 55' W. on a true line on the South boundary of Sec 31

Va. 11° 20' E.

10.13	Set a Limestone 18x10x3 in. for 1/16 Sec. cor. to Sec. 5.
20.00	Set a Limestone 14x14x3 in. for 1/16 Sec. Cor.
29.98	At the Closing Cor. to Secs. 5 and 6.
40.00	At the Standard ¼ Sec. Cor.
49.98	Set a Limestone 14x12x3 in. for 1/16 Sec. Cor. to Sec. 6
60.00	Set a Limestone 16x14x3 in. for 1/16 Sec. Cor.
69.98	Set a Limestone 14x14x3 in. for ¼ Sec. Cor. to Sec. 6.
80.00	At the Standard Township Cor. between Ranges 16 and 17 E. in Township 1 North.

R. 16 E.

West on a true line on the South boundary of Sec. 36 Township 1 N. R. 16 E.

Va. 11° 15' E.

9.98	Set a Limestone 14x14x3 in. for 1/16 Sec. Cor. to Sec. 6 Township 1 S. R. 17 E.
20.00	Set a Limestone 20x12x3 in. for 1/16 Sec. Cor.
24.70	At the Mound the established closing Township Cor. between Ranges 16 and 17 E. Township 1 South Reset post and restored mound.
29.67	At Limestone Marked "M 20 17/20"
30.00	Set a Limestone 16x14x3 in. in the Right bank of the South fork of the Nemaha river for Cor. to fractional Secs. 1 and 36.

Oct. 11th 1872.

Range Line betn Ro. 16 + 17 E. T1N

Chains.

Field Notes of the Survey of that portion of the Range line between Ranges 16 and 17 East of the 6th Principal Meridian in Township 1 North within the Sac and Fox Indian Reservation.

Begin at the stone in the Base line the Standard Cor. to Township 1 N. R. 16 E. and Township 1 N.R. 17 E.

Thence I run

North on a random line on the East boundary of Sec 36

Va. 11°15'E.

20.00 Set a post for temporary 1/16 Sec. Cor.
40.00 At the established ¼ Sec. Cor.
A Limestone 14x12x4 in.
60.00 Set a post for temporary 1/16 Sec. Cor.
80.00 At the established Cor. to Secs. 25, 36, 30 and 31
A Limestone 16x12x4 in.

North on a random line on the East boundary of Sec 25

Va. 11° 15' E.

20.00 Set a post for temporary 1/16 Sec. Cor.
40.00 At the established ¼ Sec. cor. a Limestone 14x14x3 in.
49.17 An Oak tree 36 in. dia.
47.50 Enter bottom E. and W.
60.00 Set a post for temporary 1/16 Sec. Cor.
62.00 Enter timber bears E. and W.
65.50 Set a post for temporary Cor. in Right bank of Great Namaha

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Begin at the Stone in the Base line the Standard Cor. to Township 1 N. R. 16 East and Township 1 N. R. 17 E. and run
North on a true line on the East boundary of Sec.36 Township 1 N. R. 16 E.

Va. 11°15'E.

Chains.	
20.00	Set a Limestone 16x14x3 in. for 1/16 Sec. Cor.
40.00	At ¼ Sec. Cor. a Limestone 14x12x4 in.
60.00	Set a Limestone 18x14x4 in. for 1/16 Sec. Cor.
80.00	At the Cor. to Secs. 25, 26, 30 and 31 a Limestone 16x12x4 in.
	North on a true line on the East boundary of Sec 25 Va. 11°15'E.
20.00	Set a Limestone 16x14x3 in. for 1/16 Sec.Cor.
40.00	At ¼ Sec. Cor. a Limestone 14x14x3 in.
60.00	Set a Limestone 14x14x4 in. for 1/16 Sec. Cor.
65.50	Set a Limestone 18x16x4 in. in the Right bank of the Nemaha for the Cor. to fractional Secs. 25 & 30 Land 1st rate rolling prairie. Nemaha well timbered with Walnut, Elm and Maple.

October 15th 1872.

Chains.

Field Notes of the survey of that portion of the Range line between Ranges 17 and 18 East of the 6th Principal Meridian in Township 1 North within the Sac and Fox Indian Reservation.

Begin at the post in the Base line the Standard Cor. to Township 1 N. R. 17 E. and Township 1 N. R. 18 E. of the 6th Principal Meridian

Thence I run

North on the East boundary of Sec.36 Township 1 N. R. 17 E.

Va. 12° 50' E.

40.00 At the point for ¼ Sec. Cor. Monument removed, the line is distinctly blazed.

43.41 At a point in the S. bank of the Nemaha river from which I set a flag in line in the North bank and run West 1.00 chain to a point from which the flag in the North bank bears N.15°E. which gives me the distance from the point in the South bank to the Flag 3.76 chains, which makes the aggregate distance to the Flag

47.17 Set an Elm post 4 in. dia. for Cor. to fractional Secs. 31 and 36 from which

A Sycamore 16 in. dia. bears N. 30°W. 31 lks.dist.

A Sycamore 12 in. dia. bears N. 47° E. 35 lks.dist.

50.00 Leave timber bears S.E.

60.00 Set a Limestone 16x14x3 in. for 1/16 Sec. Cor.

75.40 Set a Limestone 18x14x4 in. in the Right bank of the Nemaha for Cor. to fractional Secs. 31 and 36 from which a post in the North left bank of the Nemaha supposed to be the Meander Cor. bears N.

I run West 1.00 chain to a point from which the post in the North bank bears N. 26 3/4° E. which gives the distance 1.97 chains between the Corners and the aggregate distance 77.37 chains to the post in the North bank.

October 11th, 1872.

Chains

Field notes of the Subdivisional lines and Meanders of South Fork of Nemaha and of Great Nemaha river in Township One (1) North of Range Sixteen (16) East of the 6th Principal Meridian within the Sac and Fox Reservation.

Having retraced the exterior lines of the Township within the Reservation as noted in Field notes of exterior lines.

I begin at the corner to Secs. 25 and 36 in the East boundary of the Township and run West on a true line between Secs. 25 & 36 knowing it will strike t the river in less than 80.00 chains.

Va. 11° 15' E.

20.00 Set Limestone 14x10x5 in. for 1/16 Sec. Cor.
25.00 Enter bottom.
40.00 Set Limestone 16x14x4 in. for ¼ Sec. Cor.
53.00 Set Limestone 16x12x4 in. in Right bank of the South fork of the Nemaha river for Cor. to fractional Secs. 25 and 36.

Land 1st rate, well drained rich bottom.

October 26th 1872.

Subdivision of Township 1 N. R. 16 E. 6th P.M. into Sections

Chains.

Field notes of the subdivisional lines of Secs. in Township One (1) North of Range Sixteen (16) E. of the 6th Principal Meridian within the Sac and Fox Reservation.

Sec. 25

Begin at the ¼ Sec. Cor. between Secs. 25 and 30
West on true line in Sec. 25
Va. 11° 15' E.

12.00 Enter bottom
20.00 Set Limestone 20x8x4 in for 1/16 Sec. Cor.
23.00 Ravine with scattering timber bears N.
40.00 Set Limestone 20x10x3 ins for center ¼ Sec. Cor.
45.00 Set Limestone 12x10x6 in. in right bank of Nemaha river for Meander Cor.

From the quarter ¼ Sec. Cor. in the E. boundary of the S.E. ¼ of Sec. 25
West on true line in Sec. 25
Va. 11°15'E.

20.00 Set Limestone 16x14x3 in. for 1/16 Sec. Cor.
26.00 Enter bottom. Ravine bears N.
40.00 Set Limestone 16x14x3 in. for ¼ Sec. Cor.
54.60 Set Limestone 18x14x3 in. in right bank of South fork of Nemaha for Meander Cor.
Land 1st rate.

Sec. 36

Begin at the quarter ¼ Sec. Cor. in the E. boundary of the N.E.¼ of Sec. 36
West on a true line in Sec. 36
Va.11°15'E.

20.00 Set Limestone 16x12x4 in. for 1/16 Sec. Cor.
40.00 Set Limestone 14x14x4 in. for ¼ Sec. Cor.
48.46 Set Limestone 14x12x4 in. in right bank of South fork of Nemaha for Meander cor.

Chains.

From the ¼ Sec. Cor. between Secs. 31 and 36
West on true line in Sec. 36

Va.11°15'E.

20.00 Set Limestone 16x14x3 in. for 1/16 Sec. Cor.
40.00 Set Limestone 16x14x4 in. for Center ¼ Sec. Cor.
46.00 Set Limestone 14x14x3 in. in right bank of South fork of Nemaha for Meander Cor.

From the quarter ¼ Sec. Cor. in the E. boundary of SE.¼ of Sec. 36
West on true line in Sec.36

Va.11°15'E.

20.00 Set Limestone 16x12x4 in. for 1/16 Sec. Cor.
34.62 Set Limestone 14x14x3 in. in right bank of South fork of Nemaha for Meander Cor.

Land 1st rate Mostly bottom.

Meanders of the Right bank of the South Fork of the Nemaha river and of the Right bank of the Great Nemaha through Township One (1) North of Range Sixteen (16) East of the 6th Principal Meridian.

Begin at the Meander Cor. to fractional Sec. 36 in the South boundary of the Township.

Course	Distance Chains.	Thence in Sec. 36 Va. 11°15'E.
N.23 3/4°W	5.00	
N.40½E.	4.00	
N.8½W.	4.00	
N.47°W.	12.00	
S.43¼°W.	4.00	
S.88°W.	3.00	
N.16½°E.	6.00	
S.66°E.	7.00	
N.75½°E.	2.25	At Meander Cor. in 1/16 Sec. line.
N.70°E.	3.00	
N.21°W.	7.00	
N.36½°W.	8.00	
N.31°E.	3.00	
N.34°W.	3.00	
N.81°W.	6.75	At Meander Cor. in ¼ Sec. line.
N.73¼°E.	6.00	
N.17½°W.	3.00	
N.84°W.	18.00	
N.26¼°E.	5.00	
N.55½°E.	5.00	
N.34½°E.	7.50	At Meander Cor. in 1/16 Sec.line.
N. ½° E.	5.00	
N.77° W.	13.00	
N. 8½° W.	3.00	
N67 3/4°E	6.00	
N.19° E.	4.00	
N.79½°E.	4.00	
N.42½°W.	3.40	At Meander Cor. to fractional Secs. 25 & 36.

Course	Distance Course	
		Thence in Sec. 25
N. 15¼°E.	8.00	
N 29¼°W	12.00	
N. 48½°E.	2.90	At Meander Cor. in 1/16 Sec. line.
N. 6°E.	5.00	
N. 74¼°W.	8.00	
N. 31° W	7.00	
S. 70° W.	7.00	
N. 17½°E.	5.00	
N. 67½°E.	5.00	
S. 84½°E.	5.00	At the mouth of the South Fork.
		Thence down the Right bank of the Great Nemaha.
S. 75¼°E.	6.00	
S. 83° E.	6.00	
N. 46° E.	3.00	
N. 27¼°E.	4.00	At Meander Cor. in ¼ Sec. line.
N. 28° E.	11.00	
N. 83½°E.	12.00	
S. 37¼°E.	12.00	
S. 75½°E.	5.00	Ravine from South.
N. 46° E.	10.00	
N. 30° E.	9.00	
N. 12° E.	9.00	
N/ 51½° E.	2.35	At Meander Cor. to Secs. 25 and 30 in the East boundary of the Township.

Chains.

Field notes of the Subdivisional lines and Meanders of the Great Namaha river and Nohart's Creek in that portion of Township One (1) North of Range Seventeen (17) East of the 6th Principal Meridian within the Sac and Fox Reservation.

I have retraced a portion of the E. Boundary of Sec. 36 as noted in Field notes of Exterior line and found the

Var. 12° 51' E.

Subdivision commenced Oct. 11th 1872.

From the Standard Cor. to Secs. 35 & 36 on the S. boundary of the Township I run North between Secs. 35 and 36

Va. 12° 50' E.

20.00	Set Limestone 20x10x4 in. for 1/16 Sec. Cor.
40.00	Set Limestone 16x12x3 in. for ¼ Sec. Cor.
60.00	Set Limestone 22x10x4 in. for 1/16 Sec. Cor.
69.00	A Slough 100 lks wide bears N.E.
79.75	Bank of Slough bears E. and W.
80.00	Set a Post with marked Limestone 24x16x4 in. Mound and pits for Cor. to Secs. 25, 26, 35 & 36.

The line between Secs. 25 and 36 will strike the river before reaching the Range line. I therefore run it

East on a true line between Secs. 25 and 36

Va. 12° 50' E.

10.00	Bank of Slough bears N.
20.00	Set Limestone 16x14x3 in. for 1/16 Sec. Cor.
40.00	Set Limestone 18x14x3 in. for ¼ Sec Cor.
60.00	Set Limestone 18x16x4 in. for 1/16 Sec. Cor.
66.50	Set Limestone 18x14x4 in. in right bank of Nemaha river for Cor. to frac ional Secs. 25 and 36.

Land 1st rate smooth bottom well drained.

Township 1 N. R. 17 E. 6th P.M.

Chains	
	From the Cor. to Secs. 25, 26, 35 and 36
	North on true line between Secs. 25 and 26
	Va. 12°50' E.
5.00	North bank of Slough bears E. and W.
17.70	Set Limestone 12x10x6 in. in the right bank of the Nemaha for Cor. to fractional Secs. 25 and 26
	Scattering timber, mostly Elm
	October 12th, 1872.

	From the Standard Cor. to Secs. 34 and 35
	North between Secs. 34 and 35.
	Va. 12° 30' E.
20.00	Set Limestone 22x14x3 in. for 1/16 Sec. Cor.
40.00	Set Limestone 16x10x5 in. for ¼ Sec. Cor.
60.00	Set Limestone 14x10x5 in. for 1/16 Sec. Cor.
65.00	Opposite Cor. of inclosure 5.00 chains East bears E. and S.
80.00	Set post with marked Limestone 20x16x5 in. Mound and pits for Cor. to Secs. 26, 27, 34 & 35.

	East on a random line between Secs. 26 & 35.
	Va. 12°50' E.
20.00	Set post for temporary 1/16 Sec. Cor.
37.00	Opposite Cor. to inclosure about 9.00 Chs. South bears W. and S.
40.00	Set post for temporary ¼ Sec. Cor.
60.00	Set post for temporary 1/16 Sec. Cor. Enter bottom
80.22	Intersect N. and S. line 45 lks. N. of the Cor. to Secs. 25, 26, 35 and 36.
	N. 89° 41' W. on true line between Secs. 26 and 35.
	Va. 12° 50' E.
20.05½	Set Limestone 16x14x4 in. for 1/16 Sec. Cor.
40.11	Set Limestone 14x10x6 in. for ¼ Sec. Cor.
60.16½	Set Limestone 18x12x4 in. for 1/16 Sec. Cor.
80.22	At Cor. to Secs. 26, 27, 34 and 35.
	Land 1st rate mostly rolling prairie.

Chains.	
	North between Secs. 26 and 27
	Va. 12°30' E.
20.00	Set Limestone 20x14x3 in. for 1/16 Sec. Cor.
40.00	Set Limestone 14x14x3 in. for ¼ Sec. Cor.
	Enter bottom.
60.00	Set Limestone 18x14x4 in. for 1/16 Sec. Cor.
61.00	A deep ravine bears E.
80.00	Set post with Marked Limestone 20x18x4 inches
	Mound and pits for Cor. to Secs. 22, 23, 26 and 27.

	East on true line between Secs. 23 and 26
	Va. 12° 30' E.
3.75	Intersect Right bank of Great Nemaha River and Marked a Cottonwood tree 20 in. dia. for Cor. to fractl. Secs. 23 and 26.

	From Cor. to Secs. 22, 23, 26 and 27
	North on true line between Secs. 22 and 23
	Va.12°30' E.
2.90	Intersect Right Bank of Great Nemaha River and Set an Elm post 4 in. dia. for Cor. to fractional Secs. 22 and 23 from which
	Cottonwood 30 in. dia. bears S.70°E. 24 lks.
	Maple 18 in. dia. bears N.49°W. 42 lks.
	Land 2nd rate rolling prairie on the Southern portion. Flat bottom on the N. skirt of scattering timber along the Nemaha. Mostly Cottonwood and Maple
	Oct. 14th 1872.

	From the Standard Cor. to Secs. 33 and 34
	North between Secs. 33 and 34. Va.12°E.
20.00	Set Limestone 12x12x4 in. for 1/16 Sec. Cor.
40.00	Set Limestone 16x12x3 in. for ¼ Sec. Cor.
	A Ravine heads and bears N.W. and at a short distance North.
60.00	Set Limestone 18x10x4 in. for 1/16 Sec. Cor.
79.90	Cross ravine bears N.E. and at a short distance N.

Chains.	
80.00	Set a Post with marked Limestone 18x14x4 inches mound and pits for Cor. to Secs. 27, 28, 33 and 34.

East on a random line between Secs. 27 and 34

Va.12°15'E.

0.25	Ravine bears N.
20.00	Set post for temporary 1/16 Sec. Cor.
40.00	Set post for temporary ¼ Sec. Cor.
45.00	Ravine bears N.W.
60.00	Set post for temporary 1/16 Sec. Cor.
	Head of Ravine bears N.
80.20	Intersect N. and S. line 27 lks. N. of the Cor. to Secs. 26, 27, 34 and 35.
	N.89°48' W. on trueline between Secs. 27 and 34.

Va. 12°15'E.

20.05	Set Limestone 14x14x3 in. for 1/16 Sec. Cor.
40.10	Set Limestone 16x14x3 in. for ¼ Sec. Cor.
60.15	Set Limestone 16x10x4 in for 1/16 Sec. Cor.
80.20	At Cor. to Secs. 27, 28, 33 and 34.
	Land 1st rolling prairie

Oct. 15th 1872.

North between Secs. 27 and 28

Va.12°E.

6.00	Ravine bears N.W.
20.00	Set Limestone 16x14x4 in. for 1/16 Sec. Cor.
33.00	Ravine bears N.E.
40.00	Set Limestone 18x16x3 in. for ¼ Sec. Cor.
45.00	Enter bottom, bears N.W. & S.E.
60.00	Set Limestone 16x14x4 in. for 1/16 Sec. Cor.
80.00	Set Post with Marked Limestone 14x10x4 in. mound and pits for Cor. to Secs. 21, 22, 27 & 28.

East on a random line between Secs. 22 & 27

Va.12°E.

20.00	Set post for temporary 1/16 Sec. Cor.
30.00	Bank of Slough bears N. and S.

Chains.	
38.00	South end of an Island grove surrounded by slough.
40.00	Set post for temporary ¼ Sec. Cor.
47.00	Leave Slough.
60.00	Set post for temporary 1/16 Sec. Cor.
80.20	Intersect the N. and S. line at the Cor. to Secs.22, 23, 26 and 27
	West on true line between Secs. 22 and 27 Va.12°E.
20.05	Set Limestone 18x16x3 in. for 1/16 Sec. Cor.
40.10	Set Limestone 14x14x3 in. for ¼ Sec. Cor.
60.15	Set Limestone 16x12x3 in. for 1/16 Sec. Cor.
80.20	At Cor. to Secs. 21, 22, 27 and 28
	Land 2d rate, flat bottom subject to overflow from ravine, which flows in from the South.

	North between Secs. 21 and 22 Va.12°E.
20.00	Set Limestone 14x14x3 in. for 1/16 Sec. Cor.
40.00	Set Limestone 20x8x4 in. for ¼ Sec. Cor.
42.40	Center of Atchison and Nebraska railroad track bears E. & W.
60.00	Set Limestone 16x14x3 in. for 1/16 Sec. Cor.
80.00	Set Post with Marked Limestone 22x20x4 in. Mound and pits for Cor. to Secs. 15, 16, 21 and 22.
	East on a true line between Secs. 15 and 22. Va. 12°E.
3.00	A Slough bears S. and E.
11.00	Leave Slough bears S. 3.00 chains.
20.00	Set Limestone 18x16x3 in. for 1/16 Sec. Cor.
23.00	Enter timber.
30.20	Marked a Hackberry tree 8 in.dia. in the right bank of the Nemahe for Cor to fractional Secs.15 and 22.
	Land 1st rate. Flat bottom well drained. Scattering timber along the Nemaha, Mostly Walnut and Maple.

From the Cor. to Secs. 15, 16, 21 and 22

Chains. North between Secs. 15 and 16

Va. 12° E.

20.00 Set Limestone 18x16x4 in for 1/16 Sec. Cor.
39.00 Set an Elm stake 4 in. dia. in the right bank of the Nemaha for the Cor. to Secs. 15 and 16 from which a Willow 10 in. dia. bears N. 75°W. 12 lks. A Willow 12 in. dia. bears N.47°E. 12 lks.
Land 1st rate, deep bends in the Nemaha, well timbered with Oak, Walnut, Hackberry, Cottonwood and Maple.

From the Standard Cor. to Secs. 32 and 33
North between Secs. 32 and 33

Va. 11° 45' E.

20.00 Set Limestone 14x8x8 in. for 1/16 Sec. Cor.
40.00 Set Limestone 14x10x10 in. for ¼ Sec. Cor.
50.00 A Drain bears N.W.
59.00 Head of ravine bears N.W.
60.00 Set Limestone 14x10x5 in. for 1/16 Sec. Cor.
80.00 Set Post with marked Limestone 20x18x4 inches
Mound and pits for Cor. to Secs. 28, 29, 32 and 33.

East on a random line between Secs. 28 and 33.

Va. 11° 45' E.

20.00 Set post for temporary 1/16 Sec. Cor.
29.00 A Ravine bears N.E.
37.00 A Ravine bears N.W.
40.00 Set post for temporary ¼ Sec. Cor
60.00 Set post for temporary 1/16 Sec. Cor.
61.00 Ravine bears N.E.
80.27 Intersect N. and S. line 12 lks. N. of cor. to Secs 27, 28, 33 and 34.
N. 89° 55' W. on true line between Secs. 28 & 33

Va. 11°45'E.

20.06 3/4 Set Limestone 18x18x4 in. for 1/16 Sec. Cor.
40.13½ Set Limestone 18x16x3 in. for ¼ Sec. Cor.
60.20¼ Set Limestone 16x14x4 in. for 1/16 Sec. Cor.
80.27 At Cor. to Secs. 28, 29, 32 and 33
Land 1st rate rolling prairie.

Oct. 17th, 1872.

Chains	
	North between Secs. 28 and 29 Va. 11°45'E.
10.00	Ravine bears N.E.
20.00	Set Limestone 18x16x3 in. for 1/16 Sec. Cor.
40.00	Set Limestone 18x14x3 in. for ¼ Sec. Cor.
	Ravine head bears N.E.
60.00	Set Limestone 16x14x3 in. for 1/16 Sec. Cor.
80.00	Set Post with marked Limestone 20x16x3 in. Mound and pits, for Cor. to Secs. 20, 21, 28 & 29.
	East on a random line between Secs. 21 & 28 Va. 11°45'E.
5.00	Ravine bears N. and E.
20.00	Set a post for temporary 1/16 Sec. Cor.
39.00	Ravine bears N.
40.00	Set post for temporary ¼ Sec. Cor.
	A Ravine bears N.W.
45.00	Narrow divide terminates 4.00 chains N.
53.00	Enter bottom.
60.00	Set post for temporary 1/16 Sec. Cor.
80.12	Intersect N. and S. line 14 lks. N. of Cor. to Secs. 21, 22, 27 and 28.
	N. 89°54' W. on true line between Secs. 21 and 28. Va. 11°45'E.
20.03	Set Limestone 18x12x3 in. for 1/16 Sec. Cor.
40.06	Set Limestone 16x14x3 in. for ¼ Sec. Cor.
60.09	Set Limestone 16x10x6 in. for 1/16 Sec. Cor.
80.12	At Cor. to Secs. 20, 21, 28 and 29. Land 2d rate, high hills on the N. covered with coarse gravel.
	North between Secs. 20 and 21 Va. 11° 45' E.
10.00	Ravine bears N. and E.
20.00	Set Limestone 14x14x3 in. for 1/16 Sec. Cor.
39.56	At Center of Atchison and Nebraska R.R. track bears E. and W.
	Enter bottom.
40.00	Set Limestone 18x16x3 in. for ¼ Sec. Cor.
60.00	Set Limestone 20x12x3 in. for 1/16 Sec. Cor.
80.00	Set Post with marked Limestone 20x20x3 in. Mound

Township 1 N. R. 17 E. 6th P.M.

Chains. and pits for Cor. to Secs. 16, 17, 20 and 21.

East on random line between Secs. 16 and 21
Va. 11° 45' E.

20.00 Set a post for temporary 1/16 Sec. Cor.
40.00 Set a post for temporary ¼ Sec. Cor.
60.00 Set a post for temporary 1/16 Sec.Cor.
79.80 Intersect N. and S. line 23 lks. N. of the cor. to Secs. 15, 16, 21 and 22.
N.89°50'W. on true line between Secs. 16 and 21
Va. 11°45' E.
19.95 Set Limestone 14x14x5 in. for 1/16 Sec. Cor.
39.90 Set Limestone 16x14x4 in. for ¼ Sec. Cor.
59.85 Set Limestone 16x14x3 in. for 1/16 Sec. Cor.
79.80 At the Cor. to Secs. 16, 17, 20 and 21.
Land 2d rate level bottom can be cultivated with drainage.

West on true line between Secs. 17 and 20. knowing it will strike the Nemaha river in less than 80.00 chains.
Va. 11° 15' E.

20.00 Set Limestone 20x8x5 in. for 1/16 Sec. Cor.
25.00 Enter timber
32.52 Set a limestone 16x10x4 in. in right bank of the Nemaha for Cor. to fractional Secs. 17 and 20.
Timber, scattering Walnut and Elm.

North between Secs. 16 and 17.
Va. 11° 45' E.

20.00 Set Limestone 18x12x3 in. for 1/16 Sec. Cor.
24.58 Set Limestone 14x14x3 in. in right bank of Nemaha for Cor. to fractional Secs. 16 and 17
Land 1st rate. Nemaha well timbered in deep bends with Walnut, Oak, Maple and Hickory.

Oct. 18th 1872.

Chains.

From the Standard Cor. to Secs. 31 and 32
North between Secs. 31 and 32
Va.11°30'E.

20.00 Set Limestone 20x10x3 in. for 1/16 Sec. Cor.
40.00 Set Limestone 16x14x3 in. for ¼ Sec. Cor.
60.00 Set Limestone 18x14x3 in. for 1/16 Sec. Cor.
80.00 Set post with marked Limestone 20x18x3 inches
Mound and pits for Cor. to Secs. 29, 30, 31 and 32.

East on a random line between Secs. 29 & 32.
Va. 11°30'E.

14.00 Ravine bears N.W.
20.00 Set post for temporary 1/16 Sec. Cor.
40.00 Set post for temporary ¼ Sec. Cor.
54.00 Ravine bears S.W. 1.00 chains thence W.
60.00 Set post for temporary 1/16 Sec. Cor.
79.89 Intersect N. and S. line 22 lks. N. of Cor. to Secs
28, 29, 32 and 33.
N. 89° 51' W. on true line between Secs. 29 & 32.
Va. 11° 30' E.

19.97¼ Set Limestone 14x10x5 in. for 1/16 Sec. Cor.
39.94½ Set Limestone 16x10x4 in. for ¼ Sec. Cor.
59.91 3/4 Set Limestone 18x10x4 in. for 1/16 Sec. Cor.
79.89 At Cor. to Secs. 29, 30, 31 and 32.

Land 1st rate gently rolling prairie.

West on a random line between Secs. 30 and 31
Va.11°15' E.

20.00 Set post for temporary 1/16 Sec. Cor.
40.00 Set post for temporary ¼ Sec. Cor.
50.00 Ravine bears N.
60.00 Set post for temporary 1/16 Sec. Cor.
80.00 Intersect W. boundary of Township 10 lks. S. of
the Cor. to Secs. 30, 31, 25 and 36.
S. 89° 56' E. on a true line between Secs. 30 & 31
Va. 11°15' E.

20.00 Set Limestone 18x10x3 in. for 1/16 Sec. Cor.
40.00 Set Limestone 18x14x3 in. for ¼ Sec. Cor.
60.00 Set Limestone 16x14x3 in. for 1/16 Sec. Cor.

Township 1 N. R. 17 E. 6th P.M.

Chains.	
80.00	At Cor. to Secs. 29, 30, 31 and 32. Land 1st rate.

Oct. 21st 1872.

North between Secs 29 and 30

Va. 11°30'E.

20.00	Set Limestone 16x14x4 in. for 1/16 Sec. Cor. Enter bottom bears N.E. & W., ravine flows in and spreads out on bottom 4.00 chains E.
40.00	Set Limestone 16x14x3 in. for ¼ Sec. Cor.
60.00	Set Limestone 18x14x4 in. for 1/16 Sec. Cor.
65.00	Leave bottom, bears N.W. and S.E.
80.00	Set post with marked Limestone 14x12x4 inches Mound and pits for Cor. to Secs. 19, 20, 29 and 30, on divide bears N.W.

East on a random line between Secs 20 and 29

Va. 11°25' E.

10.00	Ravine bears N.W.
20.00	Set post for temporary 1/16 Sec. Cor.
40.00	Set post for temporary ¼ Sec. Cor.
43.00	Ravine, bears S.W.
60.00	Set post for temporary 1/16 Sec. Cor.
80.10	Intersect N. and S. line 30 lks. N. of cor. to Secs. 20, 21, 28 and 29 N. 89° 47' W. on true line between Secs. 20 and 29

Va. 11°25'E.

20.02½	Set Limestone 14x14x3 in. for 1/16 Sec. Cor.
40.05	Set Limestone 20x10x3 in. for ¼ Sec. Cor.
60.07½	Set Limestone 16x14x3 in. for 1/16 Sec. Cor.
80.10	At the Cor. to Secs. 19, 20, 29 and 30. Land 2d rate.

West on true line between Secs. 19 and 30.
Knowing it will strike the river in less than 80.00 chains.

Va. 11°15'E.

Township 1 N. R. 17 E. 6th P.M.

Chains.

12.00 Enter swampy bottom bears N. and S.

20.00 Set Limestone 14x14x3 in. for 1/16 Sec. Cor.

26.00 Small stream bears N. scattering timber extends 10 chains S.

40.00 Set Limestone 18x16x4 in. for 1 Sec. Cor.

46.00 Enter scattering timber Walnut and Elm.

46.20 Set Limestone 18x16x4 in. in the right bank of the Nemaha river for cor. to fractional Secs. 19 & 30, from which I run
South on an offset 10.00 chains. Thence West 12.00 chains. Thence North 10.00 Chs. to the line. The distance from the Cor. to Secs. 19,20, 29 and 30 is

58.20 Set a Limestone 14x14x3 in. for Meander Cor. between Secs. 19 and 30.

60.00 Set a Walnut post for 1/16 Sec. cor. from which
A Walnut 8 in. dia. bears S. 5° E. 17 lks.
A Double Walnut 8 in. dia. bears N.74°E. 17 lks.

69.20 Set a Limestone 16x14x3 in. in right bank of the Nemaha for Cor. to fractional Secs. 19 and 30.
Land 2d rate. Wet bottom easily drained.

From the Cor. to Secs. 19, 20, 29 and 30

North between Secs. 19 and 20

Va. 11°30' E.

20.00 Set Limestone 16x10x4 in. for 1/16 Sec. Cor.

29.42 Center of Atchison and Nebraska R.R. track bears E. & W.

30.60 Set Limestone 20x12x3 in. in right bank of the Nemaha for cor. to fractional Secs. 19 and 20.

Oct. 22d 1872.

Chains

Field notes of the subdivisional lines of Secs. in Township One (1) N. of R. Seventeen (17) E. of the 6th Principal Meridian within the Sac and Fox Indian Reservation.

Sec. 15.

Begin at the Cor. to fractional Secs. 15 and 16 in the right bank of Nemaha river 39.00 chains N. of the Cor. to Secs 15, 16, 21 and 22 and run East on an offset 3.60 chains to a point from which I run N. 1.00 chains to the ¼ Sec. line in Sec. 15.

Set Limestone 18x14x3 in. in right bank of Nemaha river for Meander Cor. from which I run East on a true line in Sec. 15 between N.W. and S.W. quarters
Va. 12°E.

18.70 chs. which makes the distance from West line of the Sec.

22.30 Set Limestone 16x14x3 in. in right bank of Nemaha river for meander cor.

From the quarter ¼ Sec. Cor. in the West boundary of the S.W.¼ of 15
East on a true line in Sec.15
Va.12°E.

13.40 Set Limestone 20x10x3 in. in right bank of Nemaha river for meander cor.
Land 1st rate well drained bottom.

Sec. 16.

Begin at the Cor. to fractional Secs. 15 and 16 in the right bank of Nemaha river.
West on an offset line 2.60 chs. to a point from which I run N. 1.00 chain to the ¼ Sec. line which makes the distance from the E. boundary of the Sec.

T.1 N.R. 17 E. 6th P.M. within the Sac and Fox Indian Reservation

Chains	
2.60	Set Limestone 18x16x3 in. for Meander Cor. from which I run West on a true line in Sec. 16 Va.11°35'E. 17.40 chains which makes the distance from the East boundary of the Section
20.00	Set Limestone 16x14x3 in for 1/16 Sec. Cor.
27.46	Set Limestone 14x14x3 in. in right bank of Nemaha river for meander Cor. from which I run South on an offset 2.00 chs. to a point from which I run W. 11.30 chains to a point from which I run N. 2.00 chains to the ¼ Sec. line which makes the distance from the E. boundary of the Section
38.76	Set Limestone 16x14x3 in. in right bank of Nemaha for meander Cor.
40.00	Set Limestone 16x14x3 in. for center ¼ Sec. Cor.
49.50	Set Limestone 14x14x4 in. in right bank of Nemaha for meander Cor. from which I run South on an offset 3.00 chains to a point from which I run W. 10.50 chains to a point from which I run N.3.00 chains to the line which makes the distance from East boundary of Section.
60.00	Set Limestone 18x16x4 in. in right bank of Nemaha river for 1/16 Sec. Cor. and for meander Cor.
73.50	Set Limestone 16x16x3 in. in right bank of Nemaha for Meander Cor.

From the quarter ¼ Sec. Cor in the West boundary of the S.W. ¼ of Sec. 16.

East on a random line in Sec. 16. Va.11°35'E.

20.00	Set post for temporary 1/16 Sec. Cor.
40.00	Set post for temporary 1/16 Sec. Cor.
60.00	Set post for temporary 1/16 Sec. Cor.
79.80	Intersect East line of Sec. at quarter ¼ Sec. Cor. West on a true line in Sec. 16 Va.11°35'E.
19.95	Set Limestone 14x14x3 in. for 1/16 Sec. Cor.
39.90	Set Limestone 14x10x4 in. for 1/16 Sec. Cor.
59.85	Set Limestone 16x14x3 in. for 1/16 Sec. Cor.

Chains.
79.80 At quarter ¼ Sec. Cor. in W. boundary of the Section
Land 1st rate well timbered on Nemaha.

Section 17

Begin at the quarter ¼ Sec. Cor. in the East boundary of the S.E.¼ of Sec. 17
West on a true line in Section 17
Va. 11°15'E.
20.00 Set Limestone 20x10x4 in. for 1/16 Sec. Cor.
24.58 Set Limestone 14x14x3 in. in right bank of Nemaha for Meander Cor.
Land 1st rate.

Section 19.

Begin at the quarter ¼ Sec. Cor. in the East boundary of the S.E.¼ of Sec. 19
West on a true line in Section 19
Va. 11° 15' E.
14.00 Set Limestone 18x14x4 in. in right bank of Nemaha for Meander Cor.
Land 2d rate. broken, some good timber onN.side of Rail Road.

Section 20.

Begin at the quarter ¼ Sec. Cor. in the East boundary of the N.E.¼ of Sec. 20
West on a true line in Sec. 20
Va. 11°15'E.
20.00 Set Limestone 20x18x3 in. for 1/16 Sec. Cor.
34.75 Set Limestone 16x14x3 in. in right bank of Nemaha for Meander Cor.

From the quarter Sec. Cor. between Secs. 20 and 21
West on a true line in Sec. 20
Va. 11°15'E.

Chains.	
20.00	Set Limestone 18x14x6 in. for 1/16 Sec. Cor
40.00	Set Limestone 14x8x6 in. for Center ¼ Sec. Cor.
46.00	Ravine bears N.
60.00	Set Limestone 16x8x5 in. for 1/16 Sec. Cor.
62.83	Set Limestone 16x14x3 in. in right bank of Nemaha river for Meander Cor.

From the quarter ¼ Sec. Cor in the West boundary of the S.W. ¼ of Sec. 20
East on a random line in Sec. 20
Va. 11°15'E.

6.00	Ravine bears N.
20.00	Set post for temporary 1/16 Sec. Cor.
30.00	Ravine, bears N.
40.00	Set post for temporary 1/16 Sec. Cor. ravine bears N.
56.00	Ravine bears N.
60.00	Set post for temporary 1/16 Sec. Cor.
80.20	Intersect E. line of Sec. 8 lks. N. of quarter ¼ Sec. Cor.

N. 89°57'W. on true line in Sec. 20
Va. 11°15'E.

20.05	Set Limestone 16x14x5 in. for 1/16 Sec. Cor.
40.10	Set Limestone 16x14x4 in. for 1/16 Sec. Cor.
60.15	Set Limestone 14x10x5 in. for 1/16 Sec. Cor.
80.20	Set quarter ¼ Sec. Cor. in W. line of Sec.

Land 1st rate.

Section 21.

Begin at the quarter ¼ Sec. Cor. in the West boundary of the N.W.¼ of Sec. 21
East on a random line in Sec. 21
Va.11°35'E.

20.00	Set post for temporary 1/16 Sec. Cor.
40.00	Set podt for temporary 1/16 Sec. Cor.
60.00	Set post for temporary 1/16 Sec. Cor.
79.84	At the quarter ¼ Sec. Cor. in the E. line of the Sec.

West on a true line in Sec. 21

Chains	
	Va.11°35'E.
19.96	Set Limestone 16x10x4 in. for 1/16 Sec. Cor.
39.92	Set Limestone 16x14x3 in. for 1/16 Sec. Cor.
59.88	Set Limestone 16x10x6 in. for 1/16 Sec Cor.
79.84	At quarter ¼ Sec. Cor. in W. line of the Section.

From the ¼ Sec. Cor. between Secs. 20 and 21
East on a random line in Sec. 21

	Va.11°30'E.
20.00	Set post for temporary 1/16 Sec. Cor.
37.00	Divide bears N. 2 chains.
40.00	Set post for temporary center ¼ Sec. Cor.
46.00	Enter bottom.
60.00	Set post for temporary 1/16 Sec. Cor.
79.92	Intersect East line of Sec. 13 lks. S. of ¼ Sec. Cor.

S.89°55'W. on true line in Sec. 21

	Va.11°30'E.
19.98	Set Limestone 18x16x3 in. for 1/16 Sec. Cor.
39.96	Set Limestone 18x14x3 in. for center ¼ Sec.Cor.
59.94	Set Limestone 18x8x4 in. for 1/16 Sec. Cor.
79.92	At ¼ Sec. Cor. in E. line of the Section.

From the quarter ¼ Sec Cor. in the West boundary of the S.W.¼ of Sec. 21
East on a random line in Sec. 21

	Va.11°35'E.
20.00	Set post for temporary 1/16 Sec. Cor.
40.00	Set post for temporary 1/16 Sec. Cor.
43.00	Enter bottom .
60.00	Set post for temporary 1/16 Sec. Cor.
80.08	Intersect East line of Sec. at quarter ¼ Sec.Cor.

West on a true line in Sec. 21

	Va.11°35'E.
20.02	Set Limestone 18x14x3 in. for 1/16 Sec. Cor.
40.04	Set Limestone 18x16x3 in. for 1/16 Sec. Cor.
60.06	Set Limestone 14x14x3 in. for 1/16 Sec. Cor.
80.08	At quarter ¼ Sec. Cor. in W. line of Section.

Land 1st rate.

Chains

Section 22.

Begin at the quarter ¼ Sec. Cor. in the West boundary of the N.W. ¼ of Sec. 22
East on a true line in Sec.22
Va.12°E.

20.00 Set Limestone 14x12x5 in. in right bank of the Nemaha river for 1/16 Sec. Cor. and for Meander Cor.

From the quarter ¼ Sec. Cor. between Secs. 21 and 22
East on a true line in Sec. 22
Va. 12°E.

20.00 Set Limestone 16x14x3 in. for 1/16 Sec. Cor.
22.05 Center of Atchison and Nebraska R.R. track bears E. & W.
40.00 Set Limestone 20x14x3 in. in right bank of Nemaha for Center ¼ Sec. Cor. and Meander Corner.

From the quarter ¼ Sec. Cor. in the West boundary of the S.W. ¼ of Sec. 22
East on true line in Sec. 22
Va. 12°E.

20.00 Set Limestone 16x14x3 in. for 1/16 Sec. Cor.
40.00 Set Limestone 16x14x3 in. for 1/16 Sec. Cor.
53.50 Set Limestone 16x14x4 in. in right bank of Nemaha for Meander Cor.

Land 1st rate.

October 16th 1872.

Section 25.

Begin at the cor. to fractional Secs. 25 and 26 in right bank of Nemaha 17.70 chs. N. of Cor. to Secs. 25, 26, 35 and 36
East on an offset line 3.00 chs. to a point from which I run N. 2.30 chs. to a point in the quarter ¼ Sec. line at the right bank of the Nemaha
Set a Limestone 14x14x3 in. from which I run East on a true line in Sec. 25

Chains.	
	Va. 12°50'E.
	13.00 chs. which makes the distance from West line of the Sec.
16.00	Set Limestone 16x14x3 in. in right bank of Nemaha river for Meander Cor. from which Cor. I run North on an offset line 20.00 chs. to a point in the ¼ Sec. line between the N.W. and S.W. quarters of Sec. 25 from which I run East on the ¼ Sec. line.
	Va. 12°30'E.
2.50	Set Limestone 18x10x4 in. in the right bank of Nemaha river for Meander Cor. from which Cor. I run West on the ¼ Sec. line
	Va. 12°30' E.
12.00	Set Limestone 18x14x3 in. in right bank of Nemaha for Meander Cor.
	Land 1st rate well timbered in bends.

Sec. 26.

Begin at the quarter ¼ Sec. Cor. in the West boundary of the N.W.¼ of Sec. 26
East on a true line in Section 26

Va.12°30'E.

17.50 Set Limestone 18x14x3 in.in right bank of Nemaha for Meander Cor.

From the ¼ Sec. Cor. between Secs. 26 & 27 East on a true line in Sec. 26

Va. 12° 30' E.

8.00	Leave bottom.
20.00	Set Limestone 14x14x3 in. for 1/16 Sec. Cor.
27.00	Divide bears N. and S.
37.00	Enter bottom.
40.00	Set Limestone 18x14x3 in. for center ¼ Sec. Cor. Swamp at the N. covers 5 acres.
60.00	Set Limestone 14x10x4 in. in right bank of Nemaha for 1/16 Sec. Cor. and for Meander Cor.

Chains. From the quarter ¼ Sec. Cor. in the West boundary of the S.W. ¼ of Sec. 26
East on a true line in Sec. 26
Va. 12°30'E.

8.00 Ravine bears N.
20.00 Set Limestone 18x14x3 in. for 1/16 Sec. Cor.
40.00 Set Limestone 20x14x3 in. for 1/16 Sec. Cor.
Enter bottom.
60.00 Set Limestone 14x14x3 in. for 1/16 Sec. Cor.
65.00 Set Limestone 14x12x4 in. in the right bank of the Nemaha for Meander cor.
Land in S.½ of Sec. 1st rate. scattering timber on the Nemaha mostly Maple and Cottonwood.

Section 27.

Begin at the quarter ¼ Sec. Cor. in the W.boundary of the N.W.¼ of Sec. 27
East on a random line in Sec. 27
Va. 12°E.

20.00 Set post for temporary 1/16 Sec. Cor.
40.00 Set post for temporary 1/16 Sec. Cor.
59.50 A Ravine bears N.E.
60.00 Set post for temporary 1/16 Sec. Cor.
61.75 Ravine bears S.E.
66.00 Ravine bears N.E.
80.20 Intersect E. line of Sec. at quarter ¼ Sec. Cor.
West on a true line in Sec. 27
Va. 12°E.

20.05 Set Limestone 14x12x4 in. for 1/16 Sec. Cor.
40.10 Set Limestone 18x10x4 in. for 1/16 Sec. Cor.
60.15 Set Limestone 14x12x5 in. for 1/16 Sec. Cor.
80.20 At quarter ¼ Sec. Cor. in W. line of Section.

From the quarter sec. Cor. between Secs. 27 and 28.
East on a random line in Sec. 27
Va.12°E.

20.00 Set post for temporary 1/16 Sec. Cor.
40.00 Set post for temporary ¼ Sec. Cor.
60.00 Set post for temporary 1/16 Sec. Cor.
80.20 Intersect E. line of the Sec. 8 lks. N. of the ¼

Chains	
	Sec. Cor.
	N. 89° 57' W. on a true line in Sec. 27
	Va. 12° E.
20.05	Set Limestone 18x18x4 in for 1/16 Sec. Cor.
40.10	Set Limestone 18x6x5 in. for center ¼ Sec. Cor.
60.15	Set Limestone 18x8x5 in. for 1/16 Sec. Cor.
80.20	At ¼ Sec. Cor. in W. line of Sec.

From the quarter ¼ Sec. Cor. in the West boundary of the S.W. ¼ of Sec. 27
East on a random line in Sec. 27
Va. 12°E.

3.00	Point of divide terminates 4 chs. N.
6.00	Head of small ravine bears N.
19.00	Divide terminates 4 chs. N.
20.00	Set post for temporary 1/16 Sec.Cor.
30.00	Ravine bears N.
40.00	Set post for temporary 1/16 Sec. Cor.
43.00	Divide terminates 3 chs. N.
46.00	Ravine heads bears N.
50.00	Divide terminates 2 chs. N.
53.00	Ravine heads and bears N.
59.00	Divide terminates 3 chs. N.W.
60.00	Set post for temporary Cor.
67.00	A spring branch bears N. spring 8 chs. S.
80.36	Intersect E. line of Sec. 10 lks. N. of the quarter ¼ Sec. Cor.

N. 89° 56' W. on true line in Sec. 27
Va.12°E.

20.09	Set Limestone 16x14x3 in. for 1/16 Sec.Cor.
40.18	Set Limestone 18x10x4 in. for 1/16 Sec. Cor.
60.27	Set Limestone 16x10x4 ins. for 1/16 Sec. Cor.
80.36	At quarter ¼ Sec. Cor. in W. line of Section.

Land 2d rate. broken on the S. and Wet on the N. points of divides covered with gravel.

Section 28.

Begin at the quarter ¼ Sec. Cor. in the West boundary of the N.W. ¼ of Sec. 28

Chains	
	East on a random line in Sec. 28 Va. 11° 35' E.
2.50	Ravine bears N.E.
20.00	Set post for temporary 1/16 Sec. Cor.
27.00	Ravine bears N.
39.50	Small ravine bears N.
40.00	Set post for temporary 1/16 Sec.Cor.
53.00	Ravine bears N.
60.00	Set post for temporary 1/16 Sec.Cor.
64.00	Enter bottom.
80.16	Intersect East line of Sec. 25 lks. N. of quarter quarter Sec. Cor.
	N.89°49'W. on true line in Sec. 28 Va. 11°35'E.
20.04	Set Limestone 16x14x3 in. for 1/16 Sec.Cor.
40.08	Set Limestone 18x12x4 in. for 1/16 Sec.Cor.
60.12	Set Limestone 14x14x3 in. for 1/16 Sec.Cor.
80.16	At quarter ¼ Sec. Cor. in W. line of Sec.

	From the ¼ Sec. Cor. between Secs. 28 and 29
	East on a random line in Sec. 28 Va.11°35'E.
20.00	Set post for temporary 1/16 Sec.Cor.
22.00	Head of ravine bears N.E.
40.00	Set post for temporary center ¼ Sec. Cor.
60.00	Set post for temporary 1/16 Sec. Cor.
80.16	Intersect East line of Sec. 4 lks. South of ¼ Sec. Cor.
	S. 89° 58' E. on true line in Sec. 28 Va.11°35' E.
20.04	Set Limestone 20x10x3 in. for 1/16 Sec.Cor.
40.08	Set Limestone 16x14x3 in. for center ¼ Sec. Cor.
60.12	Set Limestone 16x14x4 in. for 1/16 Sec.Cor.
80.16	At ¼ Sec. in W. boundary of Sec.

	From the quarter ¼ Sec. Cor. in the West boundary of the S.W. ¼ of Sec. 28.
	East on a random line in Sec. 28 Va. 11°35' E.
17.00	Ravine bears N.E.
20.00	Set post for temporary 1/16 Sec. Cor.

Chains	
40.00	Set post for temporary 1/16 Sec. Cor.
47.00	Ravine bears N.
60.00	Set post for temporary 1/16 Sec. Cor.
75.00	Ravine bears N.
80.24	Intersect East line of Sec. at quarter ¼ Sec. Cor.
	West on a true line in Sec. 28
	Va. 11° 35' E.
20.06	Set Limestone 20x14x3 in. for 1/16 Sec. Cor.
40.12	Set Limestone 18x16x3 in. for 1/16 Sec. Cor.
60.18	Set Limestone 18x16x3 ins. for 1/16 Sec. Cor.
80.24	At quarter ¼ Sec. Cor. in the W. line of the Sec.
	Land 1st rate rolling prairie.

Section 29

Begin at the quarter ¼ Sec. Cor. in the West boundary of the N.W. ¼ of Sec. 29
East on a random line in Sec. 29

Va. 11°20' E.

19.00	Ravine bears N.
20.00	Set post for temporary 1/16 Sec. Cor.
31.00	Ravine bears N.W.
40.00	Set post for temporary 1/16 Sec. Cor.
55.00	Ravine bears N.W.
60.00	Set post for temporary 1/16 Sec. Cor.
80.08	Intersect East line of Sec. 7 lks. N. of quarter ¼ Sec. Cor.
	N. 89° 57' W. on true line in Sec. 29
	Va. 11° 20' E.
20.02	Set Limestone 20x16x3 in. for 1/16 Sec. Cor.
40.04	Set Limestone 16x14x3 in. for 1/16 Sec. Cor.
60.06	Set Limestone 18x14x3 in. for 1/16 Sec. Cor.
80.08	At quarter ¼ Sec. Cor. in W. line of Sec.

From the ¼ Sec. Cor. between Secs. 29 and 30
East on a random line in Sec. 29

Va. 11°20'E.

20.00	Set post for temporary 1/16 Sec. Cor.

Chains	
37.00	Ravine bears N.W.
40.00	Set post for temporary center ¼ Sec. Cor.
60.00	Set post for temporary 1/16 Sec. Cor.
80.04	Intersect E. line of Sec. at ¼ Sec. Cor.
	West on a true line in Sec. 29
	Va. 11°20'E.
20.01	Set Limestone 16x14x6 in. for 1/16 Sec. Cor.
40.02	Set Limestone 16x12x6 in. for center ¼ Sec.Cor.
60.03	Set Limestone 14x14x3 in. for 1/16 Sec.Cor.
80.04	At ¼ Sec. Cor. in W. line of Sec.

From the quarter ¼ Sec. Cor. in the West boundary of the S.W. ¼ of Sec. 29
East on a random line in Sec. 29
Va. 11°20'E.

0.75	Ravine bears N.
20.00	Set post for temporary 1/16 Sec.Cor.
36.00	Ravine bears S.W.
40.00	Set post for temporary 1/16 Sec. Cor.
60.00	Set post for temporary 1/16 Sec. Cor.
79.98	Intersect East line of Sec. 17 lks. N. of quarter ¼ Sec. Cor.
	N. 89° 53' W. on a true line in Sec. 29
	Va. 11°20'E.
19.99½	Set Limestone 20x14x3 in. for 1/16 Sec.Cor.
39.99	Set Limestone 14x14x4 in. for 1/16 Sec.Cor.
59.98½	Set Limestone 18x14x3 in. for 1/16 Sec.Cor.
79.98	At quarter ¼ Sec. Cor. in E. line of Section.
	Land 1st rate rolling prairie.

Sec. 30.

Begin at the quarter ¼ Sec.Cor. in the East boundary of the N.E. ¼ of Sec.30
West on a random line in Sec.30
Va. 11°15'E.

Chains.

20.00 Set post for temporary 1/16 Sec. Cor.
40.00 Set post for temporary 1/16 Sec.Cor.
60.00 Set post for temporary 1/16 Sec.Cor.
80.00 Intersect the W. line of Sec. at quarter quarter Sec.Cor.

East on a true line in Sec.30.

Va.11°15'E.

20.00 Set Limestone 14x14x3 ins. for 1/16 Sec.Cor.
40.00 Set Limestone 20x18x3 in. for 1/16 Sec.Cor.
60.00 Set Limestone 16x14x3 in. for 1/16 Sec.Cor.
80.00 At quarter quarter Sec. Cor. in the E. line of Sec.

From the ¼ Sec.Cor. between Secs. 29 and 30
West on a random line in Sec.30

Va.11°15'E.

20.00 Set post for temporary 1/16 Sec.Cor.
40.00 Set post for temporary center ¼ Sec.Cor.
55.00 Leave bottom
60.00 Set post for temporary 1/16 Sec.Cor.
70.00 Enter grove bears 2 chains S. and 10 chs. N.
79.98 Intersect W. line of Sec. 15 lks. S. of ¼ Sec.Cor.
S. 89°53' E. on a true line in Sec. 30

Va.11°15'E.

19.98 Set Limestone 14x12x4 in. for 1/16 Sec.Cor.
39.98 Set Limestone 20x12x3 ins.for center ¼ Sec.Cor.
59.98 Set Limestone 18x12x3 in. for 1/16 Sec.Cor.
79.98 At quarter Sec.Cor. in E. line of Section.

From the quarter ¼ Sec.Cor. in the East boundary of the S.E.¼ of Sec. 30
West on a random line in Sec. 30

Va.11°15'E.

20.00 Set post for temporary 1/16 Sec.Cor.
40.00 Set post for temporary 1/16 Sec.Cor.
50.00 Ravine bears N.
60.00 Set post for temporary 1/16 Sec.Cor.
80.00 Intersect W. line of Sec.5 lks. S. of quarter ¼ Sec.Cor.

Chains	
	S. 89° 58' E. on a true line in Sec. 30
	Va.11°15'E.
20.00	Set Limestone 20x10x3 in. for 1/16 Sec.Cor.
40.00	Set Limestone 20x14x3 in. for 1/16 Sec.Cor.
60.00	Set Limestone 16x14x3 in. for 1/16 Sec. Cor.
80.00	At quarter ¼ Sec.Cor. in E. line of Sec.
	Land 2d rate, swamp in N.½ of the section, can be readily drained.

Section 31.

From the quarter ¼ Sec.Cor. in the East boundary of the N.E. ¼ of Sec. 31.
West on a random line in Sec.31

	Va.11°15'E.
20.00	Set post for temporary 1/16 Sec. Cor.
40.00	Set post for temporary 1/16 Sec.Cor.
60.00	Set post for temporary 1/16 Sec.Cor.
80.02	Intersect W. line of Sec. at quarter ¼ Sec.Cor.
	East on a true line in Sec. 31
	Va.11°15'E.
20.02	Set Limestone 16x10x3 in. for 1/16 Sec.Cor.
40.02	Set Limestone 18x8x4 in. for 1/16 Sec.Cor.
60.02	Set Limestone 20x10x3 in. for 1/16 Sec.Cor.
80.02	At quarter ¼ Sec.Cor. in E. line of Sec.

From the ¼ Sec. Cor. between Secs. 31 and 32
West on a random line in Sec. 31

	Va.11°15'E.
20.00	Set post for temporary 1/16 Sec.Cor.
40.00	Set post for temporary center ¼ Sec. Cor.
60.00	Set post for temporary 1/16 Sec.Cor.
79.96	Intersect W. line of Sec. 14 lks. N. of the ¼ Sec Cor.
	N.89°54' East on a true line in Sec. 31
	Va.11°15'E.
19.96	Set Limestone 14x5x5 in. for 1/16 Sec.Cor.
39.96	Set Limestone 16x10x4 in. for center ¼ Sec.Cor.
59.96	Set Limestone 16x10x4 in. for 1/16 Sec.Cor.

Chains
79.96 At ¼ Sec. Cor. in E. line of Sec.

From the quarter ¼ Sec. Cor. in the East boundary of the S.E. ¼ of Sec.31
West on a random line in Sec.31
Va.11°15'E.

20.00 Set post for temporary 1/16 Sec.Cor.
37.00 Ravine bears N.W.
40.00 Set post for temporary 1/16 Sec.Cor.
60.00 Set post for temporary 1/16 Sec.Cor.
64.00 Ravine bears N.
79.98 Intersect W. line of Sec. at quarter ¼ Sec.Cor.
East on a true line in Sec. 31
Va.11°15'E.

19.98 Set Limestone 18x14x3 in. for 1/16 Sec.Cor.
39.98 Set Limestone 16x14x3 in. for 1/16 Sec.Cor.
59.98 Set Limestone 20x10x3 in. for 1/16 Sec.Cor.
79.98 At quarter ¼ Sec. Cor. in E. line of Sec.
Land 1st rate smooth prairie.

Section 32.

Begin at the quarter ¼ Sec. Cor. in the West boundary of the N.W. ¼ of Sec. 32.
East on a random line in Sec.32 Va.11°25'E.

17.00 Ravine bears N.W.
20.00 Set post for temporary 1/16 Sec. Cor.
40.00 Set post for temporary 1/16 Sec.Cor.
46.00 Ravine bears N.W.
58.00 Ravine bears N.W.
60.00 Set post for temporary 1/16 Sec.Cor.
64.00 Ravine bears N.W.
79.96 Intersect E. line of Sec. at quarter ¼ Sec.Cor.
West on a true line in Sec. 32
Va.11°25'E.

19.99 Set Limestone 12x12x5 in. for 1/16 Sec.Cor.
39.98 Set Limestone 16x14x3 in. for 1/16 Sec.Cor.
59.97 Set Limestone 18x10x4 in. for 1/16 Sec. Cor.
79.96 At quarter ¼ Sec. Cor. in E. line of Sec.

Chains.	
	From the ¼ Sec. Cor. between Secs. 31 and 32 East on a random line in Sec. 32 Va. 11°25'E.
20.00	Set post for temporary 1/16 Sec. Cor.
40.00	Set post for temporary center ¼ Sec. Cor.
55.00	Ravine bears N.W.
60.00	Set post for temporary 1/16 Sec.Cor.
66.00	Ravine bears N.W.
79.86	Intersect E. line of Sec. 8 lks. S. of the ¼ Sec. Cor. S. 89° 57' W. on a true line in Sec. 32. Va. 11°25'E.
19.96½	Set Limestone 18x14x3 in. for 1/16 Sec. Cor.
39.93	Set Limestone 16x14x3 in. for center ¼ Sec. Cor.
59.89½	Set Limestone 16x14x3 in. for 1/16 Sec. Cor.
79.86	At ¼ Sec. Cor. in East line of Sec.
	From the quarter ¼ Sec. Cor. in the West boundary of the S.W. ¼ of Sec. 32 East on a random line in Sec. 32 Va. 11°25'E.
20.00	Set post for temporary 1/16 Sec. Cor.
40.00	Set post for temporary 1/16 Sec. Cor.
60.00	Ravine bears S.W.
60.00	Set post for temporary 1/16 Sec. Cor.
79.95	Intersect E. line of the Sec. at quarter ¼ Sec.Cor. West on a true line in Sec. 32. Va. 11°25'E.
19.98 3/4	Set Limestone 16x14x4 in. for 1/16 Sec.Cor.
39.97½	Set Limestone 14x14x3 in. for 1/16 Sec. Cor.
59.96¼	Set Limestone 16x14x3 in. for 1/16 Sec. Cor.
79.95	At quarter ¼ Sec. Cor. in W. line of Sec. Land 1st rate rolling prairie.

Section 33.

	Begin at the quarter ¼ Sec. Cor. in the West boundary of the N.W. ¼ of Sec. 33 East on a random line in Sec. 33 Va. 11°45'E.
20.00	Set post for temporary 1/16 Sec. Cor.
22.00	Ravine bears N.E.
40.00	Set post for temporary 1/16 Sec. Cor.

Chains.	
41.00	Head of ravine bears S.E.
60.00	Set post for temporary 1/16 Sec. Cor.
71.00	Ravine bears N.E.
80.23	Intersect E. line of Sec. at quarter ¼ Sec. Cor.
	West on a true line in Sec. 33
	Va.11°45'E.
20.05¼	Set Limestone 18x16x3 in. for 1/16 Sec.Cor.
40.11½	Set Limestone 14x10x10 ins. for 1/16 Sec.Cor.
60.17¼	Set Limestone 18x12x6 in. for 1/16 Sec. Cor.
80.23	At quarter ¼ Sec. Cor. in W. line of Section.

From the ¼ Sec. Cor. between Secs. 32 and 33
East on a random line in Sec. 33
Va.11°45'E.

20.00	Set post for temporary 1/16 Sec. Cor.
40.00	Set post for temporary center ¼ Sec.Cor.
43.00	Ravine, bears N.E.
60.00	Set post for temporary 1/16 Sec. Cor
62.00	Head of ravine bears N.
80.16	Intersect E. line of Sec. 7 lks. N. of ¼ Sec.Cor.
	N. 89° 57' W. on a true line in Sec.33
	Va.11°45'E.
20.04	Set Limestone 18x14x3 in. for 1/16 Sec.Cor.
40.08	Set Limestone 16x14x3 in. for Center ¼ Sec.Cor.
60.12	Set Limestone 14x14x3 in. for 1/16 Sec.Cor.
80.16	At ¼ Sec. Cor in W. line of Sec.

From the quarter ¼ Sec. Cor. in the West boundary of the S.W.¼ of Sec. 33
East on a random line in Sec. 33
Va.11°45'E.

20.00	Set post for temporary 1/16 Sec. Cor.
	ravine bears S.E.
30.00	Ravine bears S.
40.00	Set post for temporary 1/16 Sec. Cor.
60.00	Set post for temporary 1/16 Sec.Cor.
	Ravine bears S.
80.06	Intersect E. line of Sec. 16 lks. N. of quarter ¼ Sec. Cor.
	N. 89° 53' W. on true line in Sec. 33
	Va.11°45'E.

Chains	
20.01½	Set Limestone 16x10x4 in. for 1/16 Sec.Cor.
40.03	Set Limestone 14x8x6 ins. for 1/16 Sec. Cor.
60.04½	Set Limestone 16x14x4 in. for 1/16 Sec.Cor.
80.06	At quarter ¼ Sec. Cor. in W. line of Sec.

Land 1st rate rolling prairie.

Section 34.

Begin at the quarter ¼ Sec.Cor. in the West boundary of the N.W. ¼ of Sec. 34.
East on a random line in Section 34

Va.12°E.

20.00	Set post for temporary 1/16 Sec. Cor.
40.00	Set post for temporary 1/16 Sec. Cor.
60.00	Set post for temporary 1/16 Sec. Cor.
80.16	Intersect E. line of Sec. 5 lks. S. of quarter ¼ Sec. Cor. S.89° 58' W. on a true line in Sec.34

Va.12°E.

20.04	Set Limestone 14x12x5 in. for 1/16 Sec. Cor.
40.08	Set Limestone 14x10x5 in. for 1/16 Sec. Cor.
60.12	Set Limestone 14x12x5 in. for 1/16 Sec. Cor.
80.16	At quarter ¼ Sec. Cor. in W. line of Sec.

From the quarter Sec. Cor. between Secs. 33 & 34
East on a random line in Sec. 34

Va.12°E.

20.00	Set post for temporary 1/16 Sec. Cor.
40.00	Set post for temporary center ¼ Sec. Cor.
60.00	Set post for temporary 1/16 Sec. Cor.
80.08	Intersect E. line of Sec. 11 lks. N. of ¼ Sec.Cor. N.89°55'W. on a true line in Sec.34

Va.12°E.

20.02	Set Limestone 16x14x4 in. for 1/16 Sec. Cor.
40.04	Set Limestone 18x14x3 in. for center ¼ Sec.Cor.
60.06	Set Limestone 16x14x4 in. for 1/16 Sec.Cor.
80.08	At ¼ Sec. Cor. in W. line of Sec.

From the quarter ¼ Sec. Cor. in the West boundary of the S.W.¼ of Sec. 34
East on a random line in Sec. 34

Chains.

Va.12°E.

20.00 Set post for temporary 1/16 Sec.Cor.
30.00 Ravine bears S.E.
40.00 Set post for temporary 1/16 Sec.Cor.
60.00 Set post for temporary 1/16 Sec. Cor.
80.04 Intersect E. line of Sec. at quarter ¼ Sec. Cor.
West on a true line in Sec.34

Va.12°E.

20.01 Set Limestone 16x14x3 in. for 1/16 Sec.Cor.
40.02 Set Limestone 16x10x5 in. for 1/16 Sec. Cor.
60.03 Set Limestone 18x6x5 in. for 1/16 Sec. Cor.
80.04 At quarter ¼ Sec. Cor. in W. line of the Sec.
Land 1st rate rolling prairie.

Sec. 35

Begin at the quarter ¼ Sec. Cor. in the West boundary of the N.W. ¼ of Sec. 35

East on a random line in Sec. 35

Va.12°30'E.

7.15 Enter inclosure bears N. and S.
20.00 Set post for temporary 1/16 Sec.Cor.
35.00 Leave inclosure bears N. and S.
40.00 Set post for temporary 1/16 Sec. Cor.
45.00 Ravine bears N.
60.00 Set post for temporary 1/16 Sec. Cor.
80.18 Intersect E. line of Sec. 12 lks. N. of ¼ quarter Sec. Cor.
N. 89° 55' W. on a true line in Sec. 35

Va.12°30'E.

20.04½ Set Limestone 18x12x3 ins. for 1/16 Sec.Cor.
40.09 Set Limestone 16x14x3 ins. for 1/16 Sec. Cor.
60.13½ Set Limestone 20x8x4 in. for 1/16 Sec.Cor.
80.18 At quarter ¼ Sec. Cor. in W. line of Section.

October 14th 1872.

From the quarter Sec. Cor. between Secs. 34 and 35.
East on a random line in Sec. 35

Va.12°30'E.

6.40 Enter inclosure bears N. and S.
20.00 Set post for temporary 1/16 Sec.Cor.
34.40 Leave inclosure bears N. and S.
40.00 Set post for temporary center ¼ Sec. Cor.

Chains	
60.00	Set post for temporary 1/16 Sec.Cor.
80.10	Intersect E. line of Sec. 20 lks. S. of the ¼ Sec. Cor. S. 89°51' W. on true line in Sec.35
	Va.12°30'E.
20.02½	Set Limestone 16x14x3 in. for 1/16 Sec. Cor.
40.05	Set Limestone 14x14x3 in. for center ¼ Sec. Cor.
60.07½	Set Limestone 20x14x3 in. for 1/16 Sec.Cor.
80.10	At the ¼ Sec.Cor. in the W. line of the Sec.

From the quarter ¼ Sec. Cor. in the West boundary of the S.W.¼ of Sec. 35
East on a random line in Sec. 35

Va.12°30'E.

5.75	Enter inclosure bears N. and S.
20.00	Set post for temporary 1/16 Sec. Cor.
33.70	Leave inclosure bears N. and S.
40.00	Set post for temporary 1/16 Sec.Cor.
60.00	Set post for temporary 1/16 Sec.Cor.
	Cor. of inclosure about 10 chs. S. bears S. and E.
80.12	Intersect E. line of the Sec. 15 lks. S. of quarter ¼ Sec.Cor.
	S.89°53'W. on a true line in Sec. 35
	Va.12°30'E.
20.03	Set Limestone 16x12x4 in. for 1/16 Sec.Cor.
40.06	Set Limestone 14x12x6 in. for 1/16 Sec.Cor.
60.09	Set Limestone 14x14x3 ins. for 1/16 Sec.Cor.
80.12	At quarter ¼ Sec.Cor. in W. line of the Section.
	Land 1st rate, the Sec.includes 200 acres of Margrave - Field under good cultivation

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Section 36.

Begin at the quarter ¼ Sec.Cor. in the West boundary of the N.W.¼ of Sec. 36.
East on a random line in Sec. 36

Va.12°50'E.

20.00	Set post for temporary 1/16 Sec.Cor.

Township 1 N. R. 17 E. 6th P.M.

Chains.	
40.00	Set post for temporary 1/16 Sec.Cor.
60.00	Set post for temporary 1/16 Sec.Cor.
80.00	Intersect E. line of the section 5 lks. S. of the quarter ¼ Sec.Cor.
	S. 89°58' W. on a true line in Sec. 36
	Va.12°50'E.
20.00	Set Limestone 14x10x4 ins. for 1/16 Sec.Cor.
40.00	Set Limestone 16x14x3 in. for 1/16 Sec.Cor.
60.00	Set Limestone 18x14x3 ins. for 1/16 Sec.Cor.
80.00	At quarter ¼ Sec.Cor. in W. line of Sec.

From the quarter Sec.Cor. between Secs. 35 and 36.
East on a true line in Sec. 36
knowing that it will strike the river in less than 80.00 chains.
Va.12°50'E.

20.00	Set Limestone 16x14x4 in. for 1/16 Sec.Cor.
40.00	Set Limestone 16x14x3 in. for Center ¼ Sec.Cor.
49.65	Set Limestone 20x14x3 in. in right bank of the Nemaha river for Meander Cor.

From the quarter ¼ Sec.Cor. in the West boundary of the S.W. ¼ of Sec. 36
East on a true line in Sec. 36
Va.12°50'E.

19.35	Set Limestone 16x14x4 in. in left bank of Nohart's creek for Meander Cor.

Land 1st rate rich bottom scattering timber on Nemaha and Nohart's Creek.
Oak and Elm.

October 14th 1872.

Meanders of the right bank of the Great Nemaha and of the left bank of Nohart's Creek through Township One (1) North of Range Seventeen (17) East of the 6th Principal Meridian.

Begin at the Meander Cor. to fractl. Sec.30 in the W. boundary of the Township

Thence in Sec. 30 Va.11°15'E.

Course	Distance Chains.
S.87½°E	6.00
S.75° E	7.00
N.53¼°E.	6.00
N.12½°W.	2.00
N.38° W.	6.00
N.15½°W.	7.20

At Meander Cor. to fractl.Secs.19 & 30.

Thence in Sec. 19.

N.15½°W.	12.80
East	2.00
S.36 3/4°E.	8.00
S.55½°E.	5.00
S.39°E.	4.00

At Meander Cor. to fractl.Secs.19 & 30

Thence in Sec.30.

S.39° E.	1.00
S.3/4 E.	8.00
S.88°E.	7.00
N.32°E.	5.00
N.14½°E.	4.95

At Meander Cor. to fractl.Secs.19 & 30.

Thence in Sec.19.

N.19°E.	3.00
N.49½°E.	15.00
S.88°E.	3.00
S 41°E.	5.00
S.76°E.	6.00
N.35°E.	9.00

Course	Distance Chains.	
N.22¼°E.	6.20	At Meander Cor.in 1/16 Sec.line.
N. 6½°E.	10.00	
N.33°W.	5.00	
N.53¼°W.	4.00	
N 143/4E.	7.00	
N.41°E.	3.00	
N.89¼°E	10.00	
S.40½°E.	4.00	
S213/4°W.	9.00	
S.46¼°E.	5.00	
S.84½°E.	2.00	At Meander Cor. to fractl.Secs.19 & 20

Thence in Sec. 20.
Va.11°30'E.

S873/4°E	5.00	
N593/4°E.	4.00	
N.79¼°E.	4.00	
N.44¼°E.	7.00	
N.11° E.	1.80	At Meander Cor. in ¼ Sec.line.
N.11½°E.	3.00	
N293/4°W.	7.00	
N.2¼°W.	4.00	
N.28½°E.	4.00	
N.573/4E.	5.00	
N.323/4E.	13.00	
S.68¼°E.	4.00	
S.30¼°E.	17.00	
S.88¼°E.	4.00	
N.21½°E.	5.00	At Meander Cor. in 1/16 Sec. line.
N. 7° W.	1.50	
N.53°E.	8.00	
N.29° E.	8.00	At the Meander Cor. to fractl.Secs. 17 & 20.
N.43½°W.	11.50	

Thence in Sec. 17.

N.24½°E.	3.00	
S.84½°E.	8.00	
N.64°E.	7.00	
N.20°W.	7.00	

Course	Distance Chains.	
N.32°W.	9.00	
N.80°W.	4.90	At Meander Cor. in 1/16 Sec.line.
N.68°W.	1.00	
S.61°W.	8.00	
S.81¼°W.	5.00	
N683/4W.	4.00	
N.20°E.	4.00	
N.47½°E.	5.00	
N.84¼°E.	5.00	
S.64½°E.	7.00	
N.75½°E.	6.00	
N603/4E.	5.00	
N.35°E.	5.00	
N.17½°W.	10.00	
N.27°E.	6.00	
N.50°E.	5.00	
N813/4E.	4.00	
S.59°E.	3.00	
S.18¼°E.	10.00	
S.1° E.	10.00	
S.47¼°E.	3.80	At Meander Cor. to fractl.Secs. 16 & 17
		Thence in Sec. 16.
N.81½°E.	4.00	
N423/4E.	3.00	
N.4½°E.	10.00	At Meander Cor. in ¼ Sec.line.
N173/4W.	3.00	
N173/4W.	8.00	
N.31°E.	4.00	
N.69°E.	7.00	
S.81½°E.	4.00	At Meander Cor.in ¼ Sec.line.
S163/4E.	14.00	
S163/4E.	1.00	
S.58½°E.	3.00	
East	7.00	At Meander Cor. in ¼ Sec.line.
N253/4E.	3.00	
N253/4E.	5.00	
N.4 3/4W	14.00	
N703/4W	4.00	
S.84°W.	8.00	Mouth of muddy creek in left bank.
N.21°W.	4.00	

Township 1 N. R. 17 E. 6th P.M.

Course	Distance Chains.	
N 21½°E.	3.00	
N. 83½°E.	9.00	
S. 51½°E.	7.00	
S. 38°E.	10.00	
S 9½° E.	7.00	
S. 24°W.	7.00	
S. 55½°E.	2.10	At Meander Cor. in ¼ Sec. line.
S. 58°E.	4.00	
N. 78¼°E.	7.00	
N 59°E.	1.40	At Meander Cor. in ¼ Sec. line.
N. 58¼°E.	4.00	
N. 33°E.	6.00	
N. 7½°W.	10.00	
N. 82¼°E.	6.00	
S. 37½°E.	22.20	At Meander Cor. in ¼ Sec. line.
S. 69½°E.	2.75	At Meander Cor. o fractl. Secs. 15 & 16.
		Thence in Sec. 15.
S. 67¼°E.	2.00	
N. 42½°E.	2.50	At Meander Cor. in 1/16 Sec. line.
N 42½°E.	2.50	
N. 3° E.	12.00	
S873/4E.	15.00	
S. 30°E.	5.00	
S. 4¼° W.	9.00	At Meander Cor. in ¼ Sec. line.
S. 4¼° W.	4.00	
S. 33°W.	9.00	
S. 54°W.	7.00	
S. 22°E.	4.50	At Meander Cor. in 1/16 Sec. line.
S743/4E.	17.00	
S. 45½°E.	8.00	
S 6¼°W.	4.00	
S393/4W.	7.00	
S. 28°W.	0.80	At Meander Cor. to fractl. Secs. 15 & 22.
		Thence in Sec. 22. Va. 12°E.
S. 24¼°W.	10.00	
S. 49°W.	9.00	At Meander Cor. in 1/16 Sec. line.
S. 7¼°E.	5.00	

Township 1 N. R. 17 E. 6th P.M.

Course	Chains Distance.	
S. 7°E.	6.00	
S39 3/4E.	8.00	
S.82½°E.	5.00	
N.46½°E.	4.00	
N.17½°E.	17.00	
S.77½°E.	2.00	
S.11¼°W.	17.00	
S9 3/4E.	6.00	
S25 3/4E.	3.50	At Meander Cor. in ¼ Sec. line.
S 9½° E.	3.00	
S.38½°E.	14.00	
S.33¼°E.	7.50	At Meander Cor. in 1/16 Sec. line.
S.38° E.	7.00	
S.51¼°E.	6.00	
S.58½°E.	6.00	
S.64°E.	6.00	
S.72¼°E.	7.80	At Meander Cor. to fractl. Secs. 22 & 23

Thence in Sec. 23.

S' 51½°E.	4.60	At Meander Cor. to fractional Secs. 23 and 26.

Nov. 1st, 1872.

Thence in Sec. 26

S35 3/4E	7.00	
S.20½°E.	8.00	
S.38¼°E.	5.00	At Meander Cor. in 1/16 Sec. line
S.56¼°E.	5.00	
S.40½°E.	10.00	
S.72¼°E.	3.00	
N84 3/4E.	6.00	
N.70½°E.	9.00	
N82 3/4E.	9.00	
S37 3/4E.	7.00	
S18 3/4E.	5.00	At Meander Cor. in 1/16 Sec. line.
S 37°E.	6.70	
S.47½°E.	8.00	
S.7½° W.	4.00	
S.21½°W.	6.00	

Township 1 N. R. 17 E. 6th P.M.

Course	Distance Chains	
S20½° E.	5.00	
S.46½°E.	0.60	At Meander Cor. in 1/16 Sec.line.
S.45½°E.	5.00	
S.82½°E.	7.00	
N68 3/4E.	5.50	At Meander Cor. to fractl.Secs.25 and 26.
		Thence in Sec. 25
N.52°E.	4.00	At Meander Cor. in 1/16 Sec. line.
N 57° E.	1.00	
N.2 3/4E.	11.00	
N.20½°E.	7.00	
N. 12° E.	2.20	At Meander Cor. in ¼ Sec. line.
N. 12° E.	8.00	
North	8.00	
N.23½°W.	14.00	
N34 3/4E.	6.00	
S.64¼°E.	9.00	
S.31° E.	7.00	
South	6.00	
S.18¼°E.	13.00	
S30 3/4W.	5.50	At Meander Cor.in ¼ Sec.line.
S30 3/4W.	3.50	
S. 2¼° W.	17.00	At Meander Cor. in 1/16 Sec. line.
S. 2¼° W.	7.00	
S 27¼°E.	6.00	
S73 3/4E.	4.00	
N.74¼°E.	4.00	
N.44¼°E.	15.50	
S.80¼°E.	13.00	
N.73½°E.	8.00	
N38 3/4E.	9.00	
S. 7° E.	7.00	
S. 9° E.	9.00	
S.5¼° E.	7.00	
S.37°E.	3.00	At Meander Cor. to fractl.Secs.25 & 36.
		Thence in Sec. 36.
S.51° E.	2.50	
S. 58°E.	2.50	

Course	Distance Chains.	
S. 58° E.	4.00	
S. 84¼°E.	8.00	At the Meander Cor. to fractl. Secs. 36 & 31 in the E. boundary of the Township. Begin at the Meander Cor. to fractl. Secs. 36 and 31 in the North right bank of the Nemaha 47.17 chains North of the S. boundary of the Township.
		Thence with the right bank of the Nemaha in Sec. 36
N. 25½°W.	2.10	
N. 34° W.	10.00	
N. 81½°W.	10.00	
S. 63° W.	6.00	
S. 30½°W.	10.00	
S. 18° W.	9.00	At Meander Cor. in ¼ Sec. line.
S. 10°W.	12.10	
S. 13½°W.	9.00	
S. 52°W.	1.00	At Mouth of Nohart's Creek.
		Thence up the Meanders of the left bank of Nohart's Creek.
N. 10°W.	8.00	
N61 3/4W.	6.00	
N. 77½°W.	3.00	
S40 3/4W.	4.00	
S. 33½°E.	10.00	
S. 26° W.	3.00	
S81 3/4W.	4.00	
N. 33½°W.	9.00	
N. 55½°W.	4.00	
S. 66° W.	5.00	At Meander Cor. in 1/16 Sec. line.
S. 5 3/4E	3.00	
S. 52¼°E.	6.50	
S. 10½°E.	6.00	
N. 55¼°W.	7.00	
S42 3/4W.	4.00	
N. 47°W.	8.00	
S. 87° W.	5.00	
S. 45½°W.	6.00	
S. 3¼° E.	11.00	
N. 84¼°E.	7.00	

Township 1 N. R. 17 E. 6th P.M.

Course	Distance Chains
N.20° E.	5.00
S71 3/4E.	2.00
S22 3/4E.	4.00
S. 74°W.	4.00
S48 3/4W.	2.00

At the Meander Cor. to fractl.Sec.36, in the S. boundary of the Township.

November 2d 1872.

General Description.

The land in Sections 28 to 35 inclusive is uniformly rolling prairie which terminates on the North with high points of divides and outlets of ravines.

The absence of any well defined drain through the bottom on the North causes an overflow which may be easily remedied by drainage.

The quality of the soil is first rate with the exception of the surface of the high points of divides which are covered with gravel. A layer of Limestone about fourteen inches in thickness outcrops in Section twenty but runs to far below the surface to be profitably quarried.

The Great Nemaha forming the Northern boundary of the Reservation is a stream seventy five feet in width with moderate current except in its course through Secs. 19 and 20 where it falls perhaps 10 feet in as many rapids.

The timber in some of the deep bends is very good quality mostly Walnut, Oak, Elm and Maple.

Township 1 N.R. 18 E. 6th P.M. within Sac and Fox Indian Reservation

Chains.

Field notes of the Subdivisional lines of Secs. in Township One (1) North of Range Eighteen (18) East of the 6th Principal Meridian within the Sac and Fox Indian Reservation.

Section 31.

Begin at the quarter ¼ Sec. Cor. in the West boundary of the North West ¼ of Sec 31
East on a true line in Sec. 31
Va.13°E.

20.00 Set a Limestone 16x10x4 in. for 1/16 Sec.Cor.
36.48 Set a Limestone 20x18x5 in. in the Right bank of the Nemaha river for Meander Cor.

From the Meander Cor. in the West boundary of and 47.17 chains North of the South boundary of Sec.31 in the North right bank of the Nemaha
I run
East on an offset line 7.00 chains. Thence South 7.17 chains to the Right bank of the Nemaha
Set a Limestone 16x14x3 in. for Meander Cor. in ¼ Sec. line from which Cor. I run
East on a true line in Sec. 31
Va. 13°E.

12.00 Set a Limestone 18x16x3 in. in right bank of the Nemaha river for Meander Cor.

October 15th 1872.

Township 1 N. R. 18 E. 6th P.M.

Meanders of the right bank of the Great Nemaha river through Township One (1) North of Range Eighteen (18) East of the 6th Principal Meridian.

Begin at the Meander Cor. to fractional Secs. 31 and 36 in the West boundary of the Township, at the South right bank of the Nemaha at 75.40 chains North of the South boundary of the Township.

Course	Distance Chains.	
		Thence in Section 31.
S. 84° E.	6.80	
N 81½°E.	5.00	
S:82½°E.	7.00	
S. 51° E.	23.00	At Meander Cor. in 1/16 Sec. line.
S. 24° E.	1.50	
S. 12° E.	3.00	
S. 16¼°W.	8.00	
S51 3/4W.	12.00	
S. 82° W.	6.00	At Meander Cor. in ¼ Sec. line.
S. 62½°W.	4.00	
S. 9¼° W.	5.00	
S. 5¼° W.	13.00	
S56 3/4W	4.00	
N. 61° W.	1.00	
N28 3/4W.	8.00	
N. 21° E.	5.00	
N. 4 3/4W.	10.00	At Meander Cor. in ¼ Sec. line.
N37¼°W.	3.00	
N. 54° W.	4.00	
N. 39½°W.	3.00	At the Meander Cor. to fractional Secs. 31 and 36 in the North Right bank of the Nemaha in the West boundary of the Township.

November 2d 1872.

List of Names.

A list of the names of the individuals employed to assist in running, measuring or marking the lines and corners described in the foregoing field notes of fractional Township 1 North of the Base line of Ranges 16, 17 and 18 East of the 6th Principal Meridian, showing the respective capacities in which they acted.

J. Conner	Flagman
R.S. Cain	Chainman
T. P. Evans	Chainman.

We hereby certify that we assisted Holland Wheeler, Deputy Surveyor in surveying that portion of Township One (1) North of Range sixteen (16) East, Township One (1) North of Range seventeen (17) East, and Township One (1) North of Range Eighteen (18) East of the 6th P.M. within the Sac & Fox Reservation, and that said lines 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.

(Signed) J.Conner, Flagman.
(Signed) R. S. Cain, Chainman.
(Signed) T. P. Evans, Chainman.

Subscribed and sworn to before me this 5th day of November A.D. 1872.

(Signed) C. W. Shreve
:-:-:: Notary Public.
:Seal:
:-:-:-

I, Holland Wheeler, Deputy Surveyor do solemnly swear that in pursuance of a contract with C. W. Babcock, Surveyor of the public lands of the United States in the State of Kansas bearing date the Ninth day of September A. D. 1872 and in strict conformity to the laws of the United States the Manual of Surveying instructions and the instructions furnished by the said Surveyor General. I have faithfully surveyed the Exterior lines of Townships and Subdivisional lines including the Subdivisions of sections into Sixteenths of Sections, the Meanders of the South Fork of the Nemaha river the Meanders of the Great Nemaha river and the Meanders of Nohart's Creek in that portion of Townships One (1) North in Ranges Sixteen (16) Seventeen (17) and Eighteen (18) East of the Sixth Principal Meridian in the State of Nebraska Within the Sac and Fox Indian Reservation and do further solemnly swear that the foregoing are the true and original Field Notes of such survey.

Signed Holland Wheeler
Deputy Surveyor

Subscribed by the said Holland Wheeler, Deputy Surveyor and sworn to before me a Notary Public for the County of Douglas in the State of Kansas this 10th day of January A. D. 1873.

(Signed) Francis Menet
Notary Public.

:-:-:-
:Seal:
:-:-::

Surveyor General's Office at
Lawrence, Kansas.
January 14th 1873.

The foregoing field notes of the survey of Exterior lines of Townships and Subdivisional lines including the Subdivisions of Sections into Sixteenths of Sections the Meanders of the South Fork of the Nemaha river the Meanders of the Great Nemaha river and the Meanders of Nohart's Creek in that portion of Townships One (1) North in Ranges Sixteen (16) Seventeen (17) and Eighteen (18) East of the 6th Principal Meridian in the State of Nebraska within the Sac and Fox Indian Reservatioj, executed by Holland Wheeler, under his contract of the 9th day of September 1872 in the Months of October and November 1872, having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe are hereby approved.

C.W. Babcock,
Surveyor General.

Surveyor General's Office at
Lawrence, Kansas.
January 14th, 1873.

I certify that the foregoing transcript of the field notes of the survey of the Exterior lines of Townships and Subdivisional lines including the subdivisions of Sections into Sixteenths of Sections the Meanders of the South Fork of the Nemaha river the Meanders of the Great Nemaha river and the Meanders of Nohart's Creek in that portion of Townships One (1) North in Ranges Sixteen (16) Seventeen (17) and Eighteen (18) East of the 6th Principal Meridian in the State of Nebraska within the Sac and Fox Indian Reservation, has been correctly copied from the original notes on file in this office.

C. W. Babcock,
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.