General Land Office • Original Field Notes

Book Number

117

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.

Vol 1 B 13 E

Ex^al Comp^d

McMullen & Doyle

(Contract No 38)

Brooks

Field Notes

Of the Survey of Subdivision lines in Township 1 N. Range 13 E. 6 P. M Nebraska Territory.

John McNevin Contract No 38 transferred to Mecharl Emmett

(No [illegible] N. M.) 38

Subdivision Commenced July 28: 1856

Subdivision Completed. August 5: 1856

List of Names.

N

Township 1. Range 13. E

6	45	5	32	4	25	3	17	2	9	1
44		43		31		24		17		8
7	42	8	30	9	23	10	16	11	7	12
42		41		30		23		15		7
18	39	17	29	16	22	15	14	14	6	13
39		38		28		22		13		6
19	36	20	28	21	21	22	12	23	5	24
36		35		27		21		12		4
30	35	29	27	28	19	27	11	26	3	25
34		33		26		19		11		3
31	33	32	25	33	18	34	9	35	1	36

Township 1. N. Range 13 E. 6. P.M.

Chains, To determine the proper adjustment of my Compass for Subdividing this Township I commence and run North on a blank line along the East Boundary of Section 36.

Variation 11° 25' East.

40.04 To a point 2 lks East of Quarter section Cor.

80.05 To a point 10 lks East of Cor. to Sections 25 & 36.

To retrace this line or run parallel thereto my Compass must be adjusted to a Variation of 11° 30' East.

Subdivision Commenced July 28th. 1856

From the Cor. to Sections 1. 2. 35 and 36 on the South Boundary of the Township, I run North between Sections 35 & 36.

Variation 11° 30' East.

Township 1. N. Range 13 East. 6th P. M.

Chains	
27.00	Creek 12 lks wide, runs East,
40.00	Set a Limestone 18 in long, 10 in wide and 4 in thick for quarter Sect: Corner.
55.00	Enter Timber bears NW.
57.75	Spring Creek 25 lks wide, runs NW. soon turns north
71.00	Ravine runs West.
72.00	Leave Timber NW. soon turns North –
80.00	Set a Limestone 24 in long, 12 in wide & 2 in: thick, for Corner to Sections 25, 26. 35. and 36. Land; broken – Soil 2nd rate. Timber; Elm & Walnut – Undergrowth Same and Hazel brush.

East on a Random line, between Sections 25 & 36

Variation 11° 30' East.

23.00	Ravine runs South
40.00	Set a post for temporary quarter Section Corner.
47.50	Ravine runs North
67.00	Ravine runs North,
79.88	Intersected East Boundary of the Township

Township 1 N. Range 13 E. 6th P. M.

46 lks North of Corner to Sections 25 & 36. from which Corner I run

West on a true line, between Sections 25 & 36

Variation 11° 10' East

39.94	Set a Limestone 16 in long 12 in wide, and 4 in thick for a quarter Section Corner.
79.88	The Corner to Sections 25, 26. 35 & 36. Land; broken – Soil 2nd rate.

North between Sections 25 & 26.

Variation 11° 30' East.

9.00	Enter Timber bears NW. & S.E.
27.00	Leave Timber bears NW. & S.E.
40.00	Set a Limestone 25 in long, 10 in wide & 2 in thick for a quarter Section Corner.
49.00	Enter Timber, bears. E. & W.
57.00	Ravine runs N.E.
62.75	Same Ravine runs N.W.
62.00	Leave Timber bears NW. & S.E.
80.00	Set a Limestone 18 in long, 10 in wide & 4 in thick for Cor: to Secs 23. 24. 25 & 26.

Township 1. N. Range 13 E. 6. P. M.

Land; broken – 2nd rate.
Timber; Elm & Walnut, Undergrowth Sassafras & Hazel.

East on a random line between Sections 24 and 25 –

Variation 11° 30' East.

37.00 Ravine runs North
40.00 Set a rock for temporary quarter Section Cor:
57.25 Ravine runs North
77.00 Ravine runs North
79.87 Intersected East Boundary of the Township 55 lks North of the Corner to Secs 24. & 25. from which Corner I run
West, on true Line between Sections 24 & 25

Variation 11° 06' East.

39.93 Set a Limestone 24 in: long, 6 in wide & 5 in thick for Quarter Section Cor.
79.87 The Corner to Secs 23. 24, 25 & 26.
Land; rolling 2nd rate.

Township 1 N. Range 13 E. 6. P. M

North between Sections 23 & 24.

Variation 11° 30' East.

4.00 Ravine runs NW.
36.50 Enter Timber, bears N.E. & S.W.
38.50 Spring Creek 20 lks wide, runs N.E.
39.00 Leave timber bears N.E & S.W.
40.00 Set a Limestone 20 in long, 12 in wide, and 3 in thick for a quarter Section Corner.
80.00 Set a Limestone 18 in long, 10 in wide & 3 in thick, Corner to Sections 13. 14. 23 & 24
Land; rolling 1st rate.
Timber; Elm & Walnut, Undergrowth Sassafras & Hazel.

East on a random line between Sections 13 & 24.

Variation 11° 30' East.

9.50 Ravine runs S.E.
40.00 Set a post for temporary quarter Section Corner
56.00 Spring Creek 20 Lks wide, runs S.E. and Enter Timber bears N.E. & S.W.

Township 1 N. Range 13 E 6. P. M.

Chains	
60.00	Leave Timber Bears N. E. & S.W.
72.00	Ravine runs North
74.00	Ravine runs North
79.96	Intersect East Boundary of Township at 44 lks North of Corner to Secs 24 & 13. from which Corner I run West on a true line between Sections 24 & 13 Variation 11° 11' East,
39.98	Set a Limestone 20 in long, 8 in wide and 4 in thick, for quarter Section Corner.
79.96	The Corner to Sections 13. 14. 23 & 24. Land gently rolling: Soil 1½ rate.

North between Sects 13 & 14
Variation 11° 30' East,

5.00	Ravine runs East.
21.00	Ravine runs S.E.
40.00	Set a Limestone 16 in long, 10 in wide & 4 in thick for quarter section Corner.
57.00	Ravine runs N.E.
80.00	Set a Limestone 24 in long, 6 in wide & 4 in thick

Township 1 N. Rang 13 E 6. P. M.

Chains	
	for Corner to Sections 11. 12. 13 & 14. Land rolling. Soil 2nd rate.

East on a random line between Sections 12 & 13
Variation 11° 30' East,

2.00	Ravine runs North
40.00	Set a Post for temporary Quarter Section Corner
79.85	Intersect the East Boundary of the Township at 42 lks North of Corner to Secs 12 & 13. from which Corner I run West on a true line between Sections 12 & 13 Variation 11° 12' East,
39.92	Set a Limestone 18 in: long, 14 in wide, & 3 in thick for Quarter Section Corner.
79.85	The Corner to Sec: 11. 12. 13 & 14 Land rolling. 2nd rate. July 28th 1856.

North between Sections 11 & 12
Variation 11° 30' East,

2.30	Ravine runs N.W.

Township 1 N. Range 13 E. 6 P.M.

Chains

40.00 Set a Limestone 18 in long, 14 in wide and 3 in thick for a quarter section Corner,

44.30 4 miles Creek 50 lks wide, runs East, soon turns North West.

46.00 Same creek runs N.W. turns N.E 50 lks wide

47.50 The same Creek 30 links wide runs East

54.00 Large timber bears E & W.

61.00 Ravine runs S.E.

80.00 Set a Limestone 30 in long, 6 in wide, 4 in thick for Corner to Sects. 1.2.11 & 12

Land level 1st rate Soil.

Timber; Oak & Elm, Undergrowth Some Hazel

East on a random line between Sects 1 & 12,

Variation 11° 30' East,

4.00 Set a temporary Quarter Section Corner.

73.30 Ravine runs N.E.

79.70 Intersected East Boundary of of the Township 45 links North of the corner to Sections 1 & 12. from which corner I run West on a true line between Sections 1 & 12.

Variation 11° 11' East,

Township 1 N. Range 13 E. 6 P.M.

39.85 Set a Limestone 18 in long, 12 in wide, and 3 in thick for 1/4 Section Corner.

79.70 The Corner to Sections 1.2.11.12.

Land, rolling. Soil 1st rate,

North on a Random line between Sects 1 & 2

Variation 11° 30' East,

4.00 Set a temporary Quarter Section Corner.

79.00 Intersected North boundary of the Township 22 links East of Corner to Sections 1 & 2

from which Corner I run

South on a true line between Sects 1 & 2.

Variation 11° 39' East,

39.00 Set a Limestone 24 in long, 12 in wide 2 in thick for Quarter Sects Corner.

79.00 The Cor: to Sects 1.2.11 & 12.

Land rolling 1st rate Soil –

North between Sections 34 & 35.

Variation 11° 30' East,

20.50 Ravine runs N.E.

Township 1 N. Range 13 East. 6. P. M.

Chains	
40.00	Set a Limestone, 30 in. long, 10 in. wide and 2 in. thick for quarter section Corner.
73.00	Ravine runs N.W.
80.00	Set a Limestone 18 in long, 10 in wide and 3 in thick for Corner to Sections 26. 27. 34 & 35
	Land, broken - Soil 3rd rate.

East on a random line between sections 26 & 35.

Variation 11° 30' East.

10.00	Ravine runs North
36.00	Ravine runs N.E.
39.50	Ravine runs North
40.00	Set a Post for temporary quarter section Cor.
52.00	Ravine runs N.E.
58.00	Ravine runs North
69.00	Enter Timber, bears North & South
70.00	Creek 20 lks wide, runs North
75.00	Leave Timber, bears North & South
79.85	Intersect North & South line 33 lks north of the Corner to Secs 25, 26, 35 & 36 from which Corner I run

Township 1 N. Range 13 E. 6. P.M.

West on a true line between sections 26 & 35

Variation 11° 15' East.

39.92	Set a Limestone 25 in long, 10 in wide and 3 in thick for a quarter section Corner.
79.85	The Corner to Sections 26. 27. 34 & 35.
	Land, broken. Soil 3rd rate
	Timber; Elm, Walnut, Underground Cane and Hazel.

North between Sections 26 & 27.

Variation 11° 30' East.

40.00	Set a Limestone 14 in long, 10 in wide and 14 in thick for quarter section Corner.
80.00	Set a Limestone 20 in long, 14 in wide and 3 in thick for Corner to Sections 22. 23. 26. 27
	Land, broken, Soil 2nd rate.

East on a random line between sections 23 and 26.

Variation 11° 30' East

21.30	Ravine runs N.E.

Township 1 N. Range 13 E. 6. P. M.

37.20 Ravine runs N.E.
40.00 Set temporary quarter section Corner.
64.00 Enter Timber bears N & S.
65.20 Creek 20 lks wide, runs North
72.00 Leave Timber, bears North & South
80.04 Intersected N & S line, 40 lks North of Corner to Sections 23, 24, 25 & 26, from which Corner I run . . . . . .
West on a true line between sect. 23 & 26 — —
Variation 11° 13' East,
40.02 Set a Limestone 26 in long, 10 in wide and 2 in thick for quarter section Corner.
80.04 The Corner to Sections 22, 23, 26, 27.
Land; rolling, 1st rate
Timber; Elm & Walnut, underg'rwth same and Hazel.

North between Sections 22 & 23
Variation 11° 30' East
31.50 Ravine runs N.W.
40.00 Set a Limestone 24 in long, 12 in wide and

Township 1 N. Range 13 E. 6. P. M.

2 inches thick for quarter section Corner.
40.20 Ravine runs West.
52.75 Ravine runs West.
63.00 Ravine runs West.
75.00 Ravine runs West.
80.00 Set a Limestone 18 in long, 12 in wide and 3 in thick for Corner to Sections 14, 15, 22 & 23.
Land; broken, Soil 3rd rate.

East on a random line between Sections 14 & 23
Variation 11° 30' East,
40.00 Set a post, for temporary quarter section Corner.
80.21 Intersected N & S line 36 lks North of Corner to Sections 13, 14, 23 & 24, from which Corner I run
West on a true line between Sections 14 & 23.
Variation 11° 15' East,
40.10 Set a Limestone, 15 in long, 12 in wide, and 3 in thick for a quarter section Corner.
80.21 The Corner to Sections 14, 15, 22 & 23

Township 1 N. Range 13 E. 6. P. M

Chains	
	Land, rolling. Soil 1st rate,
	North between Sections 14 & 15
	Variation 11° 30' East,
8.00	Ravine, runs West,
12.00	Hill bears E & W.
36.00	Enter Timber bears North E. & S.W.
40.00	Set a Limestone 17 in: long 10 in wide and 3 in thick for Quarter Section Corner, from which
	A Walnut 10 in Diam bears S 78° 30' E 27 lks dist.
	A Hickory 10 in diam. bears N 65° W 38 lks dist.
54.00	Creek 50 lks wide, runs S.E. soon turns North
57.25	Leave timber bears North E. & S.W.
57.60	Enter a Corn field 10 A. bears West, & N.E.
61.65	Leave Corn field, bears East & West.
70.00	Enter timber bears E & W.
71.00	Ravine runs East,
75.00	Leave timber, bears East, & W.
77.75	Enter Corn field, bears N.W. & S.E
80.00	Set a Limestone 16 in long, 12 in wide and 3 in thick, for Corner to Sects. 10.11.14 & 15

Township 1 N. Range 13 E. 6. P. M.

	Land; Level - Soil; North ½ 1st rate,
	South ½ broken; 3rd rate.
	Timber oak & Hickory, undergrowth same & Hazel
	July 29th 1856.
	East on a random line between Sects 11 & 14
	Variation 11° 30' East,
8.00	Leave Corn field, Enter Timber, bears North & S.
17.60	4 mile Creek 75 lks wide, runs North
27.60	Ravine runs N.W.
33.00	Leave Timber, bears N.W. & S.E.
40.00	Set a temporary quarter Sect. Corner.
75.00	Ravine runs North -
80.30	Intersected N & S line 36 lks North of Corner to Sects 11.12.13.14. from which Corner I run
	West on a true line between Sections 11 & 14
	Variation 11° 15' East
40.15	Set a limestone 18 in: long, 14 in wide, and 2 in thick for quarter Sec: Corner:
80.30	The Corner to Sects: 10.11.14.15

Township 1 N. R. 13 E. 6. P. M.

Land, broken. 2 rate –
Timber; Oak, Hickory & Elm, undergrowth
Same, & Hazel.

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North between Sections 10 & 11.

Variation 11° 30' East,

7.60 Leave Cornfield, Bears NE. & SW.
39.00 Ravine runs East.
40.00 Set a Limestone 24 in: long, 6 in wide and 4 in: thick for quarter Sect: Cor:
61.00 Ravine runs S.E.
80.00 Set a Limestone 24 in long, 10 in wide & 3 in thick for Corner to Sections 2, 3, 10, 11
Land, rolling Prairie, Soil 1st rate.

East on a random line between Section 2 & 11

Variation 11° 30' East

17.00 Ravine runs S.E.
40.00 Set temporary quarter section Cor:
70.00 Ravine runs S.E.
80.00 Ravine runs S.E.

Township 1 N. R. 13 E. 6. P. M.

80.15 Intersected N. & S. Lines 40 lks North of Corner to Secs 1, 2, 11 & 12, from which Corner I run West on a true line between Sections 2 & 11.

Variation 11° 13' East,

40.07 Set a Limestone 18 in long, 8 in wide & 4 in thick for quarter Sect: Corner
80.15 The Corner to Sections 2, 3, 10 & 11.
Land rolling prairie, Soil 1st rate.

North on a random line between Sect. 2 & 3.

Variation 11° 30' East,

35.00 Ravine runs N.E.
40.00 Set Limestone for temporary quarter Sect Cor:
79.06 Intersect North Boundary of the township 41 lks West of the Corner to Sects 2 & 3. from which Corner I run
South on a true line between Sects 2 & 3.

Variation 11° 12' East,

39.06 Set a Limestone 20 in long, 8 in wide and 4 in thick for quarter Section Cor:

Township 1. N. Range 13 E. 6. P.M.

79.06 The Corner to Sections 2. 3. 10 & 11
Land; broken. Soil 3rd rate.

North between Secs 33 & 34
Variation 11° 30' East.

40.00 Set a Limestone 18 in. long, 13 in wide, and 3 in: thick for quarter Sect. Corner,
50.00 Ravine runs N.W.
80.00 Set a limestone, 20 in long, 16 in wide, and 2 in thick for Cor: to Secs. 27. 28. 33 & 34.
Land rolling prairie: Soil 1st rate.

East on a random line between Secs 27 & 34.
Variation 11° 30' East,

18.75 Ravine runs North -
40.00 Set a post for temporary quarter Sec Cor:
43.00 Run, runs North
48.00 Enter timber bears N.W. & S.E
49.00 Ravine runs N.W.
53.00 Leave Timber, bears N.W. & S.E.
68.00 Ravine runs N.W.

Township 1 N. Range 13 E. 6. P.M.

80.25 Intersected N & S. line 32 lks North of Cor: to Secs 26. 27. 34. 35. from which Corner I run West on a true line between Sections 27 & 34.
Variation 11° 16' East.

40.12½ Set a Limestone 19 in: long, 12 in wide and 4 in thick for Quarter Section Corner.
80.25 The Corner to Sections 27. 28. 33 & 34.
Land broken - Soil 2nd rate.

North between Sections 27 & 28.
Variation 11° 30' East.

27.00 Enter Timber, bears N.E. & S.W.
27.75 Four Mile Creek 75 lks wide, runs N.E.
Soon turns N.W.
40.00 Set a Limestone 21 in long 18 in wide, & 2 in thick, for a quarter section Corner, from which
An Elm 12 in diam. bears N 25° E. 41 lks dist:
A Hickory 10 in diam bears N 34° W. 37 lks. dist:
40.10 Creek 25 lks wide, runs N.W. Soon turns East
45.00 Same Creek 30 lks. wide, runs East

Township 1 N. Range 13 E. 6 P. M.

Chains	
40.00	Leave timber bears N.E. & S.W
61.00	Enter Corn field, bears East & West
79.60	Leave Corn field bears E & W.
80.00	Set a Limestone 24 in long, 8 in wide, 6 in thick for Corner to Sections 21.22.27 & 28.
	Land; level – Soil 1st rate.

East on a random line between Sects 22 & 27

Variation 11° 30' East

00.10	Enter Corn field bears North and South
15.00	Leave Cornfield, bears N & S.
16.00	Enter timber. Bears North & South
16.30.	Creek 25 lks wide, runs North
17.20	Same Cr 30 lk wide runs South
23.10	Same Creek 20 lks wide, runs North
26.10	In Bed Creek for 2 Chains, then runs N & E.
30.00	Leave timber, bears North East & S.W.
40.00	Set post for temporary quarter sect: Corner.
58.00	Ravine runs North
80.30	Intersected N & S Line 43 lks North of Cor. to Sections 22.23.26 & 27 from which Cor:

Township 1. Range 13 E. 6 P. M.

I run West on a true line between 22 & 27

Variation 11° 12' East

40.15	Set a Limestone 20 in: long, 12 in wide, and 7 in thick, for quarter Section Corner –
80.30	The Corner to Sects 21. 22. 27. 28.
	Land, rolling prairie, – Soil 1st rate.

North between Sects: 21 and 22

Variation 11° 30' East

30.00	Ravine runs East.
40.00	Set a Limestone 20 in long. 14 in wide and 2 in thick for quarter Section Corner.
66.00	Ravine runs S.E.
80.00	Set a Limestone 12 in long. 12 in wide and 4 in thick for Corner to Sections 15. 16. 21 and 22
	Land rolling prairie. Soil 1st rate.
	July 31st 1856

East on a random line between Sections 15 & 22.

Variation 11° 30' East.

40.00	Set a post for temporary quarter section Cor:

Township 1 N. Range 13 E. 6. P M

58.00 Enter Timber, bears N & S.

65.50 4 Mile Creek, runs NW, bearing N.E.

74.00 Leave timber, bears North and South

80.10 Intersected N & S Line 45 lks North of Corner to Sections 14, 15, 22, 23, from which Corner bears West on a true line between Sections 15 & 22,

Variation 11° 11' East,

40.05 Set a Limestone 14 in. long, 13 in. wide, and 3 in. thick for quarter Section Corner.

80.10 The Corner to Sections 15, 16, 21 and 22.

Land rolling Prairie, Soil 1st rate.

Timber; Oak, Hickory, Underwoods Same & Hazel.

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North between Sections 15 & 16

Variation 11° 30' East.

39.25 Ravine bears N.E.

40.00 Set a Limestone 18 in long, 10 in wide and 3 in thick for quarter Sector Corner,

80.00 Set a Limestone 24 in. long, 12 in wide and 2 in thick for Corner to Sections 9, 10, 15 & 16

Township 1 N. Range 13 E. 6. P. M.

Land rolling Prairie. Soil 1st rate.

East on a random line, between Sects 10 & 15

Variation 11° 30' East.

7.00 Ravine runs S.E.

40.00 Set temporary quarter Section Corner.

76.00 Enter Cornfield bears N.E. & S.E.

80.30 Intersected N & S Line 31 lks North of the Corner to Sects 10, 11, 14 & 15; from which Corner Iron

West on a true line between Sects 10 & 15

Variation 11° 17' E.

40.15 Set a Limestone 20 in long, 14 in wide and 2 in thick for a quarter Section Corner.

80.30 The Corner to Sections 9, 10, 15 & 16.

Land, Prairie. Soil 1st rate.

North between Sections 9 & 10.

Variation 11° 30' East.

40.00 Set a Limestone, 20 in long, 6 in wide, 6 in: thick for quarter Section Corner.

Township 1 N. Range 13 E. C. P. M.

80.00	Set a Limestone, 24 in long, 12 in wide and 4 in. thick for Corner to Sections 3.4.9.10
	Land; broken. Soil 3rd rate.
	East on a random line between Sects. 3 & 10.
	Variation 11° 30' East,
40.00	Set temporary Quarter Section Corner.
62.00	Ravine runs S.E.
80.35	Intersected N & S. Line 52 lks North of Cor. to Sects 2.3 10 & 11. from which Cor. I run
	West on a true line between Sects 3 & 10.
	Variation 11° 08' East,
40.17½	Set a Limestone 20 in long, 10 in wide and 3 in thick for quarter Section Corner.
80.35	The Corner to Sections 3.4.9.10.
	Land; broken. Soil 2nd rate.
	North on a random line between Sects 3 & 4
	Variation 11° 30' East,
40.00	Set temporary Quarter Section Corner.
40.10	Enter timber, bearing N E & S.W.

Township 1 N. Range 13 E. C. P. M

50.00	Nemeha Creek 100 links wide, runs S.E.
65.00	Leave timber, bears S.E. & N.W.
79.10	Intersected North Boundary of the Township 41 lks West of the Corner to Sections 3 & 4, from which Corner I run
	South on a true line between Sections 3 & 4
	Variation 11° 12' East,
39.10	Set a Limestone 24 in long, 12 in wide and 2 in. thick for a quarter Section Corner
79.10	The Corner to Sections 3.4.9.10.
	Land; rolling Prairie — Soil 2nd rate
	North between Sections 32 & 33.
	Variation 11° 30' East,
5.50	Ravine runs S.E.
27.00	Ravine runs E.
40.00	Set a Limestone 20 in long, 10 in. wide and 3 in. thick for a quarter Section Corner.
54.00	Enter scattering timber, bears E & W.
55.00	Ravine bears East.
60.00	Left scattering Timber, bears East & West.

Township 1 N. Range 13 E. 6 P.M.

80.00 Set a Limestone 24 in: long, 12 in wide and 3 in thick for Cor: to Secs: 28. 29. 32. 33

Land; rolling prairie. Soil 1st rate.

East on a random line, between Sections 28 & 33,

Variation 11° 30' East;

37.60 Creek 30 lks wide, runs North — into Scrubby Timber bears NE. & SW.

40.00 Post oak, 8 in. diam. for temporary quarter Sec: Cor:

41.00 Left scattering timber bears NE & SW.

54.00 Ravine Runs NW.

64.00 Enter Hazel thicket, bears North & South

69.30 Ravine runs North.

72.00 Left Brush bears North & South.

79.60 Intersected N & S Line, 36 lks North of Corner to Secs 27. 28. 33. 34. from which Corner I run West on a true line between Secs: 28 & 33

Variation 11° 15' East,

39.80 Set a Limestone 20 in long, 10 in wide & 4 in thick for quarter section Corner,

79.60 The Corner to Sections 28. 29. 32. 33

Township 1 N. Range 13 E. 6. P.M.

Land; level Prairie. Soil 1st rate.

North, between Sections 28 & 29,

Variation 11° 30' East.

21.00 Ravine runs East,

40.00 Set a Limestone 16 in long, 12 in wide and 3 in thick for quarter section Corner.

52.00 Ravine runs SE.

80.00 Set a Limestone 26 in long, 12 in wide & 3 in thick for Corner to Sections 20. 21. 28. 29.

Land, rolling Prairie. Soil 1st rate

East on a random line between Sections 21 & 28.

Variation 11° 30' East.

40.00 Set a temporary Quarter Section Cor:

45.50 Ravine runs SE.

79.56 Intersected N and S Line 39 lks North of Corner to Sections 21. 22. 27 & 28. from which Cor: I run — —

West on a true line between Sections 21. & 28

Variation 11° 13' East.

Township 1. N. Range 13 E. 6 P M

39.78 Set a Limestone 24 in long, 10 in wide & 3 in thick for quarter Section Corner.

79.56 The Corner to Sections 20. 21. 28. 29.

Land rolling, Soil, 2nd rate.

North between Sections 20 & 21.

Variation 11° 30' East,

40.00 Set a Limestone, 20 in long, 10 in wide, 3 in thick for quarter Section Corner,

80.00 Set a Limestone 20 in long, 14 in wide and 2 in thick for Corner to sections 16. 17. 20. 21.

Land rolling - Soil 2nd rate,

East on a random line between sections 16 & 21

Variation 11° 30' East.

40.00 Set a temporary quarter Section Corner,

79.75 Intersected the North & line 30 lks North of the Corner to Sections 15. 16. 20. 21. from which Corner I run

West on a true line between sections 16 & 21

Variation 11° 17' East.

Township 1. N. Range 13 E. 6 P. M.

39.87 Set a Limestone 20 in long, 14 in wide & 2 in thick for Quarter Section Corner,

79.75 The Corner to Sections 16. 17. 20. 21.

Land broken. - 2d rate.

August 1: 1856.

North between Sections 16 & 17.

Variation 11° 30' East,

37.50 Ravine runs North

40.00 Set a Limestone 24 in long, 12 in wide, and 2 in thick for quarter Section Corner.

56.00 Ravine runs N.E.

58.00 Ravine runs N.W.

80.00 Set a Limestone 24 in long, 8 in wide, and 4 in thick for Corner to Sections 8. 9. 16. 17.

Land rolling prairie. Soil 1st rate.

East on a random line between sections 9 & 16

Variation 11° 30' East.

13.20 Ravine runs North

40.00 Set temporary Quarter Sec. Cor.

Township 1 N. Range 13 E. 6 P. M.

Chains
80.00 Intersected North and South line 28 lks West of Corner to Sections 9. 10. 15. 16 from which corner I run

West on a true line between Sections 9 & 16.

Variation 11° 18' East.

40.00 Set a Limestone 28 in: long, 10 in wide and 2 in: thick for Quarter Section Corner.

80.00 The Corner to Sections 8. 9. 16. 17.

Land rolling prairie. Soil 1st rate.

August 3: 1856.

North between Sections 8 & 9.

Variation 11° 30' East.

40.00 Set a Limestone 22 in: long, 18 in. wide, 2 in thick for quarter section corner.

60.00 Enter timber bearing N.E. & S.W.

71.00 Nemeha Creek 70 lks wide runs East turns N.E.

73.50 Nemeha Creek 1. Ch: wide, runs N.W. turns W.

80.00 Set a Limestone 24 in long, 7 in wide, and 5 in thick, in Middle of Nemeha creek runs N.E. – Set Corner South 112 lks of line for

Township 1 N. Range 13 E. 6 P. M.

a witness Corner, ~~for Corner to Secs. 4. 5. 8. 9.~~ from which

A Maple six dia. bears N 3° W 7 lks, dist:

A Willow 8 in. diam, bears S 4° 15' E, 25½ lks, dist.

Land; Level prairie soil 1st rate bottom –

Timber; Cottonwood, Walnut & Elm –

East on a random line between Sections 4 & 9.

Variation 11° 00' East.

7.00 Leave timber, enter prairie, bearing S.W. & N.E.

15.00 Enter timber bearing N.W. & S.E.

24.00 Leave timber bearing N.E. & S.W.

40.00 Set a Post for temporary quarter section Cor:

80.90 Intersected North and South line 7 links South of Corner to Sections 3. 4. 9. 10. from which corner I run

West on a true line between sections 4 and 9

Variation 11° 03' East.

40.45 Set a Limestone 18 in: long, 9 in wide 3½ in thick for quarter section corner.

80.90 The Corner to sections 4. 5. 8. 9.

Land rolling. 2nd rate.

Township 1 N. Range 13 E. 6. P. M.

Chains

Timber; Oak, Walnut, Cottonwood, Elm and Hackberry.

North on a random line between Sections 4 and 5.

Variation 10.00 East

0.50 From Witness Corner leave timber, bearing N and S W.

0.75 From Witness Corner, right bank of Nemeha runs N.E.

2.75 From true Corner, Left bank of Nemeha runs N.E. 0.75 links wide at right angles to stream

40.00 From true Corner, set temporary Quarter Section Corner.

79.33 Intersect the North Boundary of the Township 158 links West of the Corner to Sections 4 & 5, from which corner I run South on a true line between Sections 4 & 5.

Variation 8°52' East.

39.33 Set a Limestone 24 in long, 8 in wide and 4 in thick

Township 1 N. Range 13 E. 6. P. M.

for quarter Section Corner.

79.33 The Corner to Sections 4. 5. 8. 9.

Land dry bottom prairie. Soil 1st rate.

Timber Walnut, C. wood, Elm and Hackberry

April 11th 1857. End of Exp't

North between Sections 31 and 32.

Variation 11°30' East.

40.00 Set a Limestone 18 in long, 15 in wide and 3 in thick for quarter Section Corner.

80.00 Set a Limestone 24 in long, 13 in wide and 2 in thick for Corner to Sections 29. 30. 31. 32.

Land rolling. Soil 2nd rate.

East on a random line between Sections 29 & 32.

Variation 11°30' East

40.00 Set a temporary Quarter Section Corner

79.88 Intersected the N and S line 34 lks North of Corner to Sections 28. 29. 32. 33. from which corner I run

West on a true line between Sections 29. 32.

Chains	
	Variation 11° 15' East.
39.94	Set a limestone 18 in long, 14 in. wide and 2 in. thick for quarter section Corner.
79.88	The Corner to Sections 29. 30. 31 & 32. Land, rolling prairie. Soil, 2nd rate.
	West on a random line between Sections 30 & 31. Variation 11° 30' East
3.50	Ravine runs NW.
21.30	Same, runs SW.
40.00	Set temporary quarter Section Corner.
41.50	Ravine runs NW.
43.00	Ravine runs NW.
46.00	Ravine runs S.W.
53.00	Ravine runs South.
79.17	Intersected the West Boundary of the township 30 lks South of Corner to Secs 30 & 31. from which corner I run East on a true line between Sections 30 & 31 — Variation 11° 17' East
39.17	Set a limestone 28 in long, 12 in wide, 2 in thick

	for Quarter Section Corner.
79.17	The Corner to Sections 29. 30. 31. 32. Land, rolling. Soil 2nd rate.
—	North between Sections 29 & 30 Variation 11° 30' East
40.00	Set a limestone 24 in long 10 in wide and 3 in. thick for Quarter Section Corner.
55.00	Ravine runs N.E.
80.00	Set a limestone 24 in long 8 in wide and 2 in thick for Corner to Sections 19. 20. 29. 30.
Land	rolling. Soil 2nd rate
	East on a random line between Sections 20 & 29 Variation 11° 30' East.
5.30	Ravine runs North.
40.00	Set a temporary quarter Section Corner.
41.00	Ravine runs North
79.67	Intersected N & S line, 33 lks North of Cor: to Sects. 20. 21. 28. 29. from which Cor: I run West on a true line between Sects. 20 & 29 Variation 11° 16' East.

Township 1 N. Range 13 E. 6. P. M

39.83½ Set a Limestone 18 in long, 8 in wide & 6 in thick for quarter Section Corner:

79.67 The Corner to Sects: 19. 20. 29. 30.

Land rolling prairie. Soil 2nd rate.

West on a random between Sections 19 & 30.

Variation 11° 30' East.

26.00 Ravine runs North.

40.00 Set temporary Quarter Sect. Cor:

78.80 Intersects the West Boundary of the Township 48 links South of the Corner to Sections 19 & 30, from which Corner I run East on a true line, between Sections 19 & 30.

Variation 11° 09' East.

38.80 Set a Limestone 28 in long, 12 in wide, 2 in thick for quarter section Corner.

78.80 The corner to Sections 19. 20. 29 & 30.

Land; broken — Soil 2nd rate.

North between Sections 19 & 20.

Variation 11° 30' East.

Township 1 N. Range 13 E. 6. P. M.

31.10 Ravine runs N.W.

39.18 Ravine runs West.

40.00 Set a Limestone 20 in long, 10 in wide and 3 in: thick for a quarter Section Corner.

71.00 Same ravine runs N.W. Same ... turns N.E.

78.00 Enter timber, runs East & W.

79.00 Creek 15 lks wide, runs N.E.

80.00 Set a Lime Stone (in bed of Creek) 18 in long, 14 in: wide, and 4 in thick for Corner to Sections 17. 18. 19 & 20.: from which:

An Elm, 2 ft dia: bears N 88° E. 32 lk, dist:

A Hackberry 10 in: dia: bears N 75° W 31 lk, dist.

A Coffee Nut. 4 in dia: bears S 83° E' 23 lk, dist.

An Elm, 8 in dia: bears S 81° W. 32 lk, dist:

Land rolling prairie. Soil 2nd rate.

East on a random line between Sections 17 & 20.

Variation 11° 30' East.

1.00 Leave bed of Creek, bears N.W.

2.00 Leave timber, bears N E & S W.

11.00 Ravine runs North.

18.00 Ravine, runs N.W.
40.00 Set temporary quarter section Corner.
46.00 Ravine runs N.W.
57.60 Ravine runs S.W.
75.00 Ravine runs North.
79.76 Intersected N & S line, 27 lks. North of Cor. to Sections 16. 17. 20. & 21. from which Corner I run West on a true line between Sections 17 & 20

Variation 11° 18' East.

39.88 Set a Limestone 18 in long, 14 in wide & 4 in. thick for quarter section Cor:
79.76 The Cor: to Sects: 17. 18. 19. 20.

Land rolling. Soil, 2nd rate.

August 3rd 1856.

West on a random line between Sects. 18 & 19.

Variation 11° 30' East.

4.00 Loam Creek runs East.
6.00 Ravine, runs East.
8.00 Left timber bears S.E.
31.50 Ravine runs North N & S.E.

Chains
35.00 Slough, runs N.E. 6 ft deep, dry.
40.00 Set a temporary quarter section Corner.
42.00 Slough runs S.E.
69.56 Nemaha Creek, 1 Ch: wide, runs North-
Enter timber bears N & S.
74.20 Nemaha 1 Ch: wide, runs S.E.
76.20 Leave timber bears S.E & N.W.
78.20 Intersected the West Boundary of the Township at the Corner to Sections 18 & 19. from which Corner I run
East on a true line between Sections 18 & 19.

Variation 11° 30' East.

38.20 Set a Limestone 18 in long, 10 in wide and 4 in thick for quarter Sect: Cor:
78.20 The Corner to Sections 17. 18. 19. 20
Land; rolling - Soil 2nd rate.
Timber Black Oak, and Walnut.

North between Sections 17 & 18.

Variation 11° 30' East.

1.10 Left Bed of Creek Course N.W.

Chains	
5.50	Same Creek 15 Lks wide, runs NE.
12.10	Ravine runs East
40.00	Set a Lime Stone, 26 in long, 8 in wide and 3 in thick, for quarter Section Corner.
59.00	Ravine runs East
73.00	Timber bears NW.
77.00	Ravine runs NW.
80.00	Set a Limestone 20 in long, 10 in. wide, 4 in thick, (in bed of Nemeha Creek, runs East) 1 Ch: South of true Corner, as a witness, for Corner to Sections 7.8.17 & 18. from which an Elm 10 in. dia. bears S 51 E 12 Lks dist.
	An Elm 16 in. dia. bears N 43° 15' E. 26 Lks dist.
	An Elm 14 in. dia. bears N 18° W 36 Lks dist:
	An Ash 10 in. dia. bears N 1° E. 36 Lks dist:
	Land, rolling. Soil 1st rate.
	Timber; Oak, Walnut, & Elm, & Cotton wood.

East on a random Line between Sect. 8 & 17.
Variation 11° 30' East.

15.00	Run in bed of creek, runs North East.

Chains	
16.50	Leave Creek, runs NE.
28.00	Creek 20 Lks wide, runs NW.
34.00	Left Timber bears North & South
36.10	Cornfield bears N & S.
40.00	Set a temporary quarter Section Corner.
64.00	Left Cornfield bears NW. & SE.
79.96	Intersected N & S Line 58 Lks North of the Cor: to Sections 8.9.16.17. from which Corner I run West on a true line between Sections 8 & 17.
	Variation 11° 05' East.
39.98	Set a Limestone 24 in long, 8 in wide and 3 in thick for Quarter Section Corner.
79.96	The Corner to Sections 7.8.17.18.
	Land; Level ~~Prairie~~. Soil 1st rate.
	Timber; Oak, Walnut, & Elm.

West on a random line between Sections 7 & 18.
Variation 11° 30' East.

6.00	Leave timber bears NW.
20.00	Enter Timber, bears North
26.75	Nemeha Creek 150 Lks wide, runs North

Township 1 N. Range 13 E. 6 P.M.

30.00 Left timber, bears North.
36.00 Enter Timber bears NW. & SE.
37.00 Creek 40 Lks wide, runs SE.
39.50 Same Creek 30 Lks. wide, runs NE.
40.00 Set temporary quarter Section Corner.
41.00 Leave timber, bears NE & SW.
77.20 Intersected the West Boundary of the Township 80 Lks North of Corner to Sections 7 & 18. from which Corner I run East on a true line between Sections 7 & 18.

Variation 12° 04' East.

37.20 Set a Limestone 28 in long, 8 in wide, and 3 in thick for quarter Section Corner.
77.20 The Corner to Sections 7. 8. 17. & 18
Land, rolling Prairie. Soil 1st rate.
Timber; Oak, Elm & Cottonwood

North between Sections 7 & 8.

Variation 11° 20' East.

11.00 Enter Creek, runs North
13.00 Leave Creek runs North East.

Township 1 N. Range 13 E. 6 P.M.

Chains
18.00 Leave timber, bears NE. & SW.
40.00 Set a Limestone 18 in long, 12 in wide, 4 in thick for quarter Section Corner.
67.20 Ravine bears E & W.
80.00 Set a Limestone 24 in long, 12 in wide & 3 in thick for Corner to Sections 5. 6. 7 & 8.
Land; Principally rolling prairie
Soil; 1st rate.
Timber; W & B. Oak, Walnut, Elm, and Cottonwood

East on a random line between Sections 5 & 8.

Variation 11° 40' East.

13.00 Ravine bearing SE.
17.50 Foot of Hill, bears NW. & SE.
23.50 Top of Hill near the South end
30.00 Enter Bottom, bearing NE. & SW.
34.00 Slough 50 lks. wide, bearing SW.
40.00 Set a temporary quarter Section Corner.
79.40 Nemaha Creek, 50 lks wide, runs NE.
79.98 Intersect N & S line 132 lks North of the

Chains	
	Corner to Sections 4.5.8 & 9. from which corner I run,
	West on a true line between Sects. 5 & 8.
	Variation 10.43' East,
39.99	Set a Limestone 18 in long, 15 in wide, and 4 in: thick for quarter Section Corner,
79.98	The Corner to Sections 5.6.7 & 8.
	Land; West of Bottom rolling.
	Soil; 1st rate
	Nov 11: 1856. (Godwin Eng.)

	West on a random line between Sections 6 & 7.
	Variation 11° 20' East.
12.00	Ravine bears N & S.
40.00	Set a post for temporary Quarter section Corner
64.20	Ravine bears N & S.
77.35	Intersected West Boundary of the Township 138 Links North of the Corner to Secs 6 & 7. from which Corner I run
	East on a true line, between Sections 6 & 7
	Variation 12° 19' East

Chains.	
37.35.	Set a Limestone 28 in long, 16 in wide, and 2 in thick for quarter section Corner.
77.35.	The Corner to Sections 5.6.7 & 8.
	Land; Level Prairie. Soil 1st rate.

	North on a random line between Sections 5 & 6. —
	Variation 11° 20' East,
40.00	Set a post for temporary Quarter Section
77.40	Intersected the North Boundary of the Township 2.05 chs. West of Corner to Sects. 5 & 6 from which Corner I run
	South on a true line between Sects 5 & 6.
	Variation 10° 52' East
37.40	Set a Limestone 24 in long, 7 in wide & 4 in: thick for quarter Section Corner.
77.40	The Cor: to Secs: 5.6.7.8.
	Land; rolling Prairie. Soil 1st rate.
	August 5: 1856.

We hereby certify that we assisted Michael Emmet, deputy Surveyor, in subdividing Township Number One North of the base line and a portion of Township Number Two North of the base line, of Range Number Thirteen East of the Sixth Principal Meridian - and that said Townships have been in all respects to the best of our knowledge and belief, well and faithfully surveyed, and the boundary monuments planted according to the instructions furnished by the Surveyor General.

James Barnes — Compassman.

Chainman

Chainman

Axeman

Subscribed and sworn to by the above named persons, before me a

We hereby certify that we assisted Michael Emmet Deputy Surveyor in the Survey of the subdivision lines of Township One North of Range Thirteen East of the Sixth Principal Meridian in the Territory of Nebraska and that said Township has 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

A. J. Crockett
James Murphy.

Subscribed to and sworn by the above named before me R. C. Bishop this 16 day of June 1857.

R. C. Bishop Clerk
of Probate Court
for Douglas Co N.T.

Cozad's addition { Copied by Jerry May 8th 1857

Field Notes
of the
Survey of the lines between
Sections 4 and 5 and between
Sections 4 and 9 in Township
1 North of Range 13 East of the
6th Principal Meridian in
Nebraska Territory
By Justus L. Cozad
Deputy Surveyor
Under special instructions
of April 1st A.D 1857

List of Assistants
Josiah Abrams Chainman
John A. Furnish Chainman
James T Furnish Flagman

There being no officer authorised to administer oaths within 15 miles, I did not have my assistants sworn.

Field Notes of the Section Lines between Sections 4 and 9 and between Sections 4 and 5 in Township 1 North of the Base line of Range 13 East of the 6th Principal Meridian

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Begin at a Lime stone the established Witness Corner to Sections 4, 5, 8, 9 T 1 N. R 13 E. The witness trees all standing and agree with the description furnished me by the office, viz, A Maple 8 in diam bears N 3° W 7 lks, dist, A Willow 8 in diam bears S 4½° E 25 lks dist. Said Witness Corner being placed 112 links south of the true corner to sections 4, 5, 8, 9. from this corner I run East 2 chains to a point thence North 112 links to a point in the true Random line between Section 4 and 9. thence I run

Township 1 N. Rang 13 E. 6th Pr. Md.

East on random line between Sections 4 and 9

Variation 11° East

7,00 Leave timber Enter prairie bearing S.W. & N.E.

15.00 Enter timber bearing N.W. & S.E.

24.00 Leave timber bearing N.E. & S.W.

40,00 Set a post for temporary ¼ Sec Cor.

80,90 Intersect North and South line 7 links South corner to Section 3.4.9.10 from which corner I run West on true line between sections 4 and 9

Variation 11° 3' East

40,45 Set a limestone 18 in long 9 in wide 3½ in thick for quarter section corner

80,90 To the corner to sections 4, 5, 8, 9.

Land rolling. 2nd rate.

Timber Oak. Walnut. Cottonwood. Elm and Hackberry.

Township 1 N. Range 13 E 6th Pr. Md

North on a random line between Sections 4 and 5

Variation 10° East

0,50 from Witness Corner Leave timber bearing N.E and S.W.

0.75 from Witness Corner, Right bank of Nemaha runs N.E.

2.75 from true corner. Left bank of Nemaha runs N.E. 0.75 links wide at right angles to stream

40,00 from true corner. Set temporary quarter section corner

79,33 ~~I~~ Intersect the North boundary of the Township 158 links West of the corner to sections 4, 5, 32, 33 from which corner I run South on true line between sections 4 & 5

Variation 8° 52' East

39,33 Set a limestone 24 in long 8 in wide 4 in thick for quarter section corner

Township 1 N. Range 13 E. 6th Pr. Mer.

79.33 The corner to sections 4.5.8.9
1st rate dry bottom prairie
Timber Walnut. C. Wood Elm and
Hackberry

April 11th 1857

I Justus L. Cozad deputy Surveyor do solemnly swear that in pursuance of instructions from John Calhoun surveyor of the public lands of the United States in the Territories of Kansas and Nebraska bearing date the 1st day of April 1857 and in strict conformity to the laws of the United States. I have faithfully surveyed the lines between Sections 4 and 9 and Sections 4 and 5 Township 1 N. Range 13 East of the 6th Principal Meridian in Nebraska Territory, and do further solemnly swear that the foregoing are the true and origin field notes of such survey

Justus L. Cozad
Deputy Surveyor

Subscribed by said Justus L. Cozad deputy Surveyor and sworn to

before me Probate Judge for
Otoe County Nebraska Territory
this 14th day of April 1857
Wm. Q. Pardee Probate Judge {Seal}

United States

To Justus L. Cozad Dr.

To 6 days service in running and measuring the lines between Sections 4 and 9 and between Sections 4 and 5 T 1 N R 13 E. as per instructions of Apr 1st 1857 @ $6.00 per day $36.00

To 6 days service of Horse on the same survey @ $1.50 per day 9.00

To the labor of 3 men 1 day @ $1.75 5.25

$50.25

Section line in T 2 N R 13 E
Pencil Notes on pages 67
to 79 inclusive Surveyed by
Michael Emmet,
See diagram page 79½

Des. list made Brooks drawn D.S. —

T. 2. North Range 13 East

Comp^d North Between Secs 35 & 36

Variation 11°30' E.

1400 Enter Timber bears East & West
2700 Nimaha Cr. 1ch and Runs N.E.
3700 Leave Timber bears N.E.
4000 Limestone 3×14×20 gr Sec Cor.
4100 A Slough 150 Lks wide Runs E & W
8000 Limestone 3×12×20 Cor. to 25 & 36 35 & 36
Land Level 1st Rate
Timber Oak Walnut & Cottonwood

+

East Between 25 & 36
Variation 11°30'
4000 L. Stone 8×8×24 gr Sec Cor
6900 Ravine Runs South (No 11°13' E)
7935 Intersect 40 Lks North of Cor.
Land Level 1st Rate

+

North Between 25 & 36
Variation 11°30'
4000 L. Stone 3×14×20 gr Sec Cor.
8000 L. Stone 3×14×20 Cor to Sec 25

East Between 24 & 25
Variation 11 30 E
4000 L. Stone 5+10+20 gr Sec cor.
4150 Rarin Runs North — (va 11° 15' E)
6900 Rarin Runs North —
7935 Intersected 34 Lks North
Land Rolling 2nd Rate —

—#—

North Between Secs 23 & 24
Variation 11 30 E
4000 L. Stone 3+12+20 gr Sec cor.
5000 Rarin Runs S. E.
8000 L. Stone 3+14+24 Cor 23 24 13 & 14
Land Broken 2nd Rate —

—#—

East Between 24 & 13
Variation 11 30
2700 Rarin Runs North
4000 L. Stone 3+14+20 Temp gr Sec cor
5 7 Rarin Runs North (N 11° 15' E)
7902 Intersected 34 Lks North
Land [illegible] 2nd Rate

—#—

North Between Secs 13 & 14
Variation 11 30
4000 L. Stone 4×12×24 gr Sec cor.
4350 Rarin Runs N. E.
7700 E. [illegible] East
7800 North fork of the Yamaha Ank 80 Lks
Runs East
8000 L. Stone —
Land Level 1st Rate —
July August 8th
East on Random Between Sect. 12 & 13
Var. 11° 30' East
In Godwins Notes

East on Random Between Sect. 26 & 35

Var. 11°. 30' East

40.00 Set ~~Lime Stone 2~~ Temporary &c.

80.22 Tell 47 links North of Corner to Sect. ~~26~~ 25.26.27.35 & 36

from which Iron West &c

Var. 11°.10' E East

40.11 Set Lime Stone 24 x 12 x 2 for ¼ Cor

Land Level Smooth prairie. Soil good 1st rate

North. Between Sect. 26 & 27

Var. 11°. 30 East

40.00 Set Lime Stone. 18 + 8 + 4 for ¼ Corner.

40.10 Ravine. bears E & West.

69.50 Ravine. bears S E & N. W.

80.00 Set Lime Stone. 22 + 10 + 6 for Corner to Sect.

22.23. 26.27

~~23.24. 25 & 26~~.

Land. Rolling prairie. Soil 1st rate.

East on Random Between Sect. 23 & 26
Var. 11°. 30 East

18.00 Ravine - bears N & S.
22.50 Ravine - bears S.W & N.E.
40.00 Set post for Temporary 1/4 Cor.
80.00 Fell 72 links N. of Cor. to Sect. 23. 24. 25 & 26
From which Iron West on true line &c.
Var. 10° 59' E. " East
80.00 Set Lime Stone 24 + 12 + 3
Land rolling prairie - Soil 1st rate -

North Between Sections 22 & 23
Var 11°. 30' East -
27.00 Ravine - bears E & W.
40.00 Set Lime Stone 16 + 8 + 4
60.00 Ravine - bears S.W & N.E.
80.00 Set Lime Stone 15 + 12 + 4 for Corner to Sect. 14. 15. 22 & 23
Land rolling prairie - Soil 1st rate

East on Random. Between Sect. 14 & 23
Var. 11°. 30 East.
34.00 Ravine bears N.W & S.E.
40.00 Set Post for Temporary 1/4 Cor.
50.00 Ravine bears N & S.
80.60 Fell 62 links North of Corner to Sect. 13. 14. 23 & 24
From which Iron West on true line
Var. 11° 03' East
80.30 Set Lime Stone. 24 + 15 + 2 for 1/4 Cor.
Land rolling prairie - Soil 1st rate

North. Between Sect. 14 & 15.
Var. 11°. 30
26.00 Ravine - bears E & W
40.00 Set Lime Stone 24 + 12 + 2 for 1/4 Cor
71.00 Ravine - bears E & W.
80.00 Set Lime Stone 17 + 15 + 4 for Cor to Sect. 10. 11. 14 & 15
Land. Roll High broken prairie - Soil 2nd rate
fit for Cultivation

East on Random. Between Sec. 10 & 14
Var. 11° 30 East

2.50 Ravine - bears S.E. & N.W.
40.00 Set Post &c. for ¼ Cor.
45.00 Enter Timber - bears N & S.
50.00 Creek, 10 links wide - runs S. of E.
55.00 Ravine - bears N.E. & S.W.
66.00 Creek 60 links wide - runs S. of E. (with fork of Nemcha)
70.00 Leave Timber - bears S. of E. & N. of W.
80.50 Fell 62 links North of Corner to Sec. 11.12.13 & 14
From which Iron West on true Line &c.
Var.
40.25 Set Lime Stone. 16 & 11 & 5 for ¼ Cor.
Land Level. part bottom. Soil 1st rate
Timber. B & W oak. Elm. Walnut &c.
August 9th

down in Godwin's Notes.

do

North. Between Sec. 33 & 34
Var. 11° 30 East

1.00 Enter Timber - bears N.W. & S.E.
1.50 Nemcha river (S. fork) 1 ch. wide - runs N.W. & S.E.
9.00 Same. runs S.E.
10.00 Leave Timber. bears S.E. & N.W.
28.00 Ravine - bears S.E. & N.W.
40.00 Set Lime Stone. 24 & 15 & 3 for ¼ Cor.
80.00 Set Lime Stone. 24 & 16 & 4. for Corner to
Sec. 27.28.33 & 34.
Land. Level bottom land. Soil 1st rate
Timber. B & W oak. Elm. Cottonwood - Ash

East on Random Between Sec. 27 & 34
Var. 11° 30 East

3.00 Ravine - bears N & S.
38.00 Ravine bears S.E. & N.W.
40.00 Set Post &c. for Temporary ¼ Cor.
60.00 Ravine - bears N & S.
79.91 Fell 34 links N.W. of Cor. to Sec. 26.27.34 & 35
From which &c. Iron West on true Line
Var. Var. 11° 15 E. East

39.95 Set Lime Stone - 22 + 10 + 3 for 1/4 Cor
Land, level bottom. Soil 1st rate

North Between Sec. 27 + 28
Var 11°. 30 East

35.00 Ravine - bears SE for W.
40.00 Set Lime Stone - 22. 13 + 2. for 1/4 Cor.
46.00 Ravine - bears S for W.
60.00 Ravine. bears SE for W
80.00 Set Lime Stone 28 + 14. + 2 for Corner to Sect.
21. 22. 27 + 28
Land. rolling prairie Soil 2nd rate
fit for Cultivation.

West. on Random. Between Sec 22 + 27
Var. 11°. 30 East.
4.00 Ravine bears N + S.
40.00 Set Post &c. for 1/4 Cor.
46.00 Ravine bears N + S.
77.00 Ravine - bears N + S.
80.60 Gets to lands North of the Sect. 22. 23. 26 + 27

West on true line &c.
Var. 11°.26 East.
40.30 Set Lime Stone 20 + 12 + 4 for 1/4 Cor
Land. broken rolling prairie, Soil 2nd rate fit for Cultivation
80.60 Corner to Sections 21. 22. 27 + 28

North. Between Sect. 21 + 22
Var. 11°. 30 East.
40.00 Set Lime Stone 17 + 12 + 4 for 1/4 Cor.
80.00 Set Lime Stone. 22 + 15 + 2 for Cor to Sect. 15. 16. 21 + 22.
Land. rolling prairie. Soil 2nd rate fit for Cultivation

East. on Random between Sect. 15 + 22
Var. 11°. 30 East.
2.00 Ravine. bears N + S.
40.00 Set Post &c. for 1/4 Cor
50.00 Ravine bears S + N.
79.70 ~~Still~~ Corner to Sect. 14. 15. 22 + 23.
From which Iron Post &c

Var. 11°30' East.

39.85 Set Lime Stone. 20 + 12 + 3 for ¼ Cor.

Land. rolling prairie - Soil 2nd rate

North - Between Sec. 15 + 16

Var. 11°30 East

40.00 Set Lime Stone 24 + 12 + 6 - for ¼ Cor

69.00 Ravine - bears E & W.

80.00 Set Lime Stone 18 + 8 + 8. for Cor. ner to Sec.

9. 10. 15 + 16.

Land. rolling prairie - Soil 1st rate

August 12th 1856

Contract No 38 John McNair transferred to Michael Emmett

County

Sec. Township No. 2 Range 13E of P. M.

NORTH

WEST EAST

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

SOUTH

Lines checked red X run by ~~Emmett~~ Emmett as per pencil notes 67 to 79
notes of line 34/35 missing

908.—TOWN PLAT—6 INCH.—JACOB NORTH & CO., PRINTERS, LINCOLN

Lines checked black X run by Godwin as per notes pages 48

Township 2 N. Range 13 E. 6th P. M.

North bet sec 34 & 35
Variation 11°30' E

12.00 Enter timber bears E & W.
17.60 South fork of Nemaha river 1 chain wide runs N. E.
27.00 Leave timber bears N. E & S. W. enter corn field same bearing.
30.60 Leave cornfield and enter timber bs N. E & S. W.
31.00 South fork of Nemaha River 1 chain wide runs S. W.
40.00 marked a white ash 7 in dia for qr sec cor,
42.00 Nemaha creek 120 ft wide. runs S. E.
45.00 Leave timber bears E & W.
80.00 set limestone 17 in long 14 in wide, and 6 in thick for cor to sections 26. 27. 34 & 35
Land level soil 1st rate
Timber Black Oak, White Oak, Burr Oak
Walnut Hickory Elm & Ash
M. L. Emmett D. S
Date of Contract Oct 1st 1855.

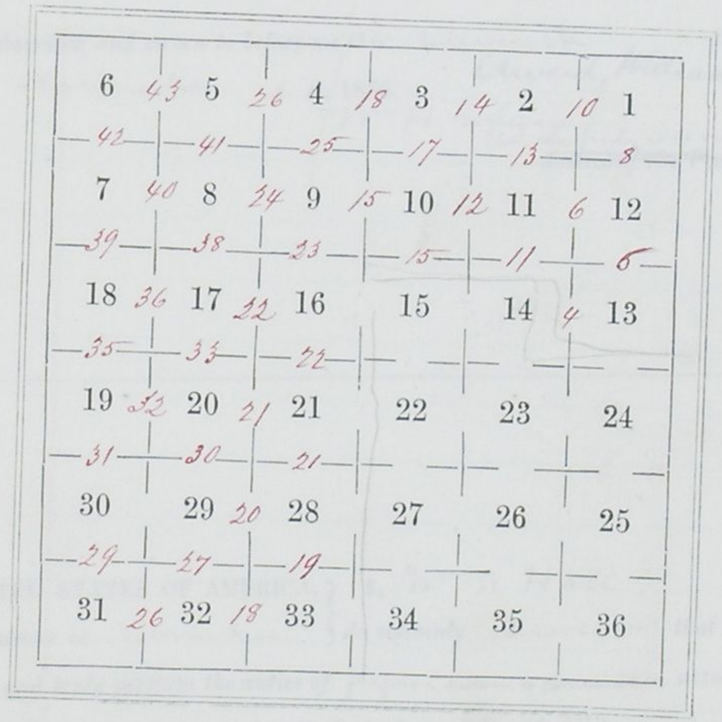
Resurvey of that part of Township No. 2 N. of Range No. 13 E. 6th Principal Meridian, Nebraska Territory, which was left unfinished by the untimely death of M. J. Emmet D.S.

Commenced November 12. 1856.
Finished November 18. 1856.
Surveyed by Wm H Godwin D.S.

Names and duties of all persons who assisted in completing the survey of Township No. 2 N. of Range 13 E. 6th Principal Meridian.

John P. Graves, Chainman
Israel F. Pearce, Chainman
Wm W. Hall, flagman & commissioner
Edward Williams flagman
Wm M. Elliott, axeman & flagman

Township 2. N. Range 13. E.



UNITED STATES OF AMERICA, } I, Edward Williams,
TERRITORY OF Nebraska } do solemnly swear that I will
well and truly perform the duties of flagman, axeman or cornermaker according
to instructions given me, and to the best of my skill and ability.

Subscribed and sworn to before me this Eleventh day of
November A. D. 1856.

Edward, Williams
Wm H. Godwin
U.S. Deputy Surveyor
~~Justice of the Peace.~~

UNITED STATES OF AMERICA, } I, Wm W. Hall,
TERRITORY OF Nebraska } do solemnly swear that I will
well and truly perform the duties of flagman, axeman or cornermaker according
to instructions given me, and to the best of my skill and ability.

Subscribed and sworn to before me this Eleventh day of
November A. D. 1856.

Wm H. Godwin, Wm W. Hall
U.S. Deputy Surveyor
~~Justice of the Peace~~

UNITED STATES OF AMERICA, } I, Israel F. Pearce
TERRITORY OF Nebraska } *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.*

Subscribed and sworn to before me this Eleventh *day of* November *A. D.* 1856.

Israel F. Pearce

Wm H. Godwin.
U.S. Deputy Surveyor.
~~Justice of the Peace.~~

UNITED STATES OF AMERICA, } I, John P. Graves
TERRITORY OF Nebraska } *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 according to the best of my skill and ability.*

A. K. Graves

Subscribed and sworn to before me this Eleventh *day of* November *A. D.* 1856.

Wm H. Godwin
U.S. Deputy Surveyor.
~~Justice of the Peace~~

I, Wm. H. Godwin, having been appointed a deputy surveyor of the lands of the United States in Kansas and Nebraska, do solemnly swear that I will well and faithfully, and to the best of my skill and ability, execute the duties confided to me pursuant to the instructions of John Calhoun, surveyor general of public lands in Kansas and Nebraska, bearing date the 31st day of October, 1856, according to the laws of the United States and the instructions received from the said surveyor general.

Wm. H. Godwin D.S.

Subscribed and sworn to before me this 4th day of November A.D. 1856.

In Testimony whereof I have hereto set my name and affixed my seal Notarial this 4th day of November A.D. 1856

[illegible]
Notary Public
for Tamworth Country

United States of America } I, William W. Hall do
Territory of Nebraska } 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.. William W Hall

Subscribed and sworn to before me this 18th day of December A.D. 1856

~~William W. Hall~~

Wm H. Godwin, U.S. Deputy Surveyor

10

United States of America, } I, Wm. M. Elliott do
Territory of Nebraska } solemnly swear that I will well and truly perform the duties of flagman, axeman or corner maker according to instructions given me, and to the best of my skill and ability.

William M. Elliott

Subscribed and sworn to before me this Eleventh day of November A.D. 1856.

Wm H. Goodwin.

U.S. Deputy Surveyor.

10

Contract no 38

Field Notes of a part of the subdivision lines in Township 2 N. of Range 13 E. 6th principal Meridian, Nebraska Territory. Subdivision commenced Nov. 12. A.D. 1856.

To complete the resurvey of this township which was left unfinished by the premature death of M. J. Emmert D.S., I proceeded to the corner of secs. 3. 4. 33 & 34, on the southern boundary of the Township and run North with Burt's solar compass three miles to the corner of Sections 15. 16. 21 & 22, blazing a line through the timber between Secs. 33 & 34, but finding the corners all properly established, I then returned to the corner of secs. 32 & 33 on the southern boundary of the Town-

Township 2 N. of Range 13 E. 6th Prin. Mer.

Chains	
	ship and began to run up the 4th tier of sections in the common way.
	Before finishing the same it became necessary to go East from tier to tier until I finally began at the corner of sections 13.14.23 & 24, and run North between sections 13 & 14
	Variation 11° 33' East
39.72	To a limestone 20 inches long, 16 inches ~~thick~~ & wide & 4 inches thick, marked 1/4 on the West side. This stone was undoubtedly fixed for a quarter section corner by the direction of Mr. Emmet, therefore I regard the distance as 40.00 chains according to Mr. Emmet's survey & extend the line 40.00 chains farther to the corner of sections 11.12,

Township 2 N. of Range 13 E. 6th Prin. Mer.

Chains	
	13 & 14 to complete the survey of the same in obedience to instructions
77.00	Enter scattering timber bear E & W.
78.10	North fork of Nemaha. 60 lks. wide runs East. and lean timber bear E & W.
80.00	Set a limestone 16 inches long, 9 inches wide & 3½ inches thick for corner to sections 11.12.13 & 14
	Land rolling. Soil 1st rate.
	Cottonwood, Lynn & Elm timber on margin of Stream.

November 14. 1856

Chains	
	East, on a random line between secs. 12 & 13
	Variation 12° East.
3.50	Wagon road, bearing NW & SE.
40.00	Set a post for temporary quarter section corner
41.50	Enter timber, bearing N & S.
42.00	Spring branch 20 lks. wide, runs South
47.00	North bend of Nemaha runs nearly East

Township 2 N. of Range 13 E. 6th P.M. Mer.

Chains	
57.00	Leave Neenah ~~bea~~ runs E. S. E.
57.50	Leave timber bearing E. S. E. & W. N. W.
78.75	Stream 20 lks. wide runs S. E.
79.36	Intersect Range line 80 lks. North of the corner to Sections 12 & 13 from which corner 3 mile West on a true line, between Sections 12 & 13.
	Variation 11°26' East
39.68	Set a limestone 25 inches long, 9 inches wide & 3 inches thick for quarter section corner.
79.36	Corner to Secs. 11. 12. 13 & 14 Land chiefly level. 1st rate. Timber, Elm Hackberry Walnut, Bur. Oak, Maple & Hickory. Undergrowth same with Hazel.
	November 15. 1856.

North between sections 11 & 12

Variation 11°40' East

6.00	Wagon road bearing N. E. & S. W.

Township 2 N. of Range 13 E. 6th P.M. Mer.

Chains	
40.00	Set a limestone 14 inches long, 10 inches wide & 3 inches thick for quarter section corner
44.00	Foot of hill bearing E. & W.
60.00	Top of hill
68.00	Foot of hill
80.00	Set a limestone 18 inches long, 11 inches wide, & 3 inches thick for corner to Sections 1. 2. 11 & 12 South half mile bottom land & 1st rate soil. North half mile rolling & 2nd rate soil.

East random line between Secs. 1 & 12

Variation 11°30' East

11.00	Limestone ledge bearing N. & S.
14.00	Top of a barren limestone bluff 70 feet high bearing N. E. & S. W.
16.00	Descend bluff
30.00	Foot of bluff bearing N. E. & S. W.

Township 2 N. of Range 13 E. 6th Prin. Mer.

Chains	
31.00	Ravine, runs S E
34.00	Ascend bluff bearing N & S E
40.00	Set post for temporary quarter section corner.
55.00	Top of bluff 100 feet high bearing N E & S W.
68.00	Descend bluff bearing N & S
79.60	Ravine, bearing S. E.
79.97	Intersect Range line 7 lks. South of the corner to sections 1 & 12, from which Some West on a true line, between sections 1 & 12. — Variation 11° 33' East
39.98½	Set a limestone 17 inches long. 10 inches wide & 3 inches thick for quarter section corner on West slope of bluff.
79.97	Corner to Sections 1. 2. 11 & 12

Land hilly & Stony. Soil 3rd rate

Township 2 N. of Range 13 E. 6th Prin. Mer.

Chains	
	North, on a random line between Secs. 1 & 2 — Variation 11° 40' East.
5.00	Ravine, water in pools, bearing S.W.
6.50	Same ravine bearing S. E.
8.00	Ravine bearing South
9.00	Ravine bearing S.W.
10.50	Same bearing West
11.00	Foot of hill bearing N E & S W.
40.00	Set post for temporary quarter section corner.
43.00	Top of hill bearing E & W.
57.00	Foot of hill bearing West.
57.50	Ravine bearing N.W.
59.00	Ascend hill bearing N E & S.W.
69.00	Top of hill bearing E & W.
74.00	Descend hill at a limestone ledge bearing N.W. & S. E.
76.00	Foot of hill bearing N.W. & S E.
79.05	Intersect Township line 29 lks. East of the corner to Sections

Township 2 N. of Range 13 E. 6th Prin. Mer.

Chains	
	142, from which I run South on a true line, between Sections 142. Variation 11°52' East
39.05	Set a limestone 17 inches long 12 inches wide & 5 inches thick for quarter Section Corner.
79.05	Corner to Sections 1, 2, 11 & 12 Land broken & Stony, Soil 3rd rate. November 15th 1856.

Township 2 N. of Range 13 E. 6th Prin. Mer.

Chains	
	East on a random line between Secs. 11 & 14 Variation 11°52' East.
38.50	Enter Creek bottom bearing N.E. & S.W.
40.00	Set post for temporary quarter section corner.
46.00	Enter timber bearing N.W. & South
55.00	Neneha 60 lks. wide runs E. S. E. Mouth of small branch from the South west at this point, Cabin in which Charles Soolig lives is about 5.00 chains North.
80.67	Intersect N. & S. line 111 lks. North of the corner to sections 11, 12, 13 & 14, from which corner I run West on a true line, between sections 11 & 14. Variation 11°3' East.
40.33½	Set a limestone 16 inches long 9 inches wide & 4 inches thick for quarter section corner.
80.67	Corner to sections 10, 11, 14 & 15 Land rolling, Soil 1st rate

Township 2 N. of Range 13 E. 6th P.M.

Chains	
	Timber Bur Oak, Elm Lynn Hickory & Cottonwood. November 15th 1856.
	North between sections 10 & 11. Variation 11°45' East
3.00	Ravine bearing S.E.
8.50	Top of hill bearing E & W.
17.00	Descend hill
37.50	Ravine bearing N.E.
38.00	Ascend hill bearing N.E. & S.W.
40.00	Set a limestone 20 inches long, 9 inches wide & 3 inches thick on South sloped divide for quarter section corner.
51.00	Top of hill ~~N.E.~~ bearing N.E. & S.W.
55.00	Descend hill bearing E & W.
63.00	Foot of hill.
64.58	Nemaha 70 lks. wide runs N.E. Cottonwood, Maple & White Ash timber on margin of stream

Township 2 N. of Range 13 E. 6th P.M.

Chains	
8.00	Set a limestone 23 inches long, 11 inches wide & 3 inches thick for corner to Secs. 2, 3, 10 & 11. Land South of creek hilly & very rate. North of creek good bottom land. Nov. 14. 1856.
	East on a random line between Secs. 2 & 11 Variation 11°45' East
29.50	Enter brush bearing N & S.
30.10	Stream 30 lks. wide runs South
32.00	Left brush bearing N.W. & S.E.
40.00	Set a post for temporary quarter section corner.
63.00	Ascend hill bearing N.W. & S.E.
70.00	Top of hill
73.00	Descend hill
77.50	Ravine, bearing South
80.79	Intersect N & S line 62 lks. North of the corner to Secs. 1, 2, 11 & 12, from which run West on a true line, between sections 2 & 11.

Township 2 N. of Range 13 E. 6th Prin. Mer.

Chains	
	Variation 11°18' East
40.39½	Set a limestone 24 inches long, 9 inches wide & 3½ inches thick for quarter Section corner.
80.79	Corner to Secs. 2. 3. 10 & 11 Land rolling. Soil 1st rate. November 15, 1856.

North on a random line between Secs. 2 & 3
Variation 11°45' East

40.00	Set a post for temporary quarter section corner.
77.88	Intersect Township line 12 lks. West of the corner to Secs. 2 & 3, from which I run South on a true line,
	Variation 11°40' East
37.88	Set a limestone 19 inches long, 8 inches wide & 3½ inches thick for quarter section corner.
77.88	Corner to Secs. 2. 3. 10 & 11. Land level Soil 1st rate. November. 16. 1856.

Township 2 N. of Range 13 E. 6th Prin. Mer.

Chains	
	East on a random line between Secs. 10 & 15
	Variation 11°30' East.
13.00	Ravine bearing N. E.
14.00	Foot of hill
20.00	Top of hill near the ~~North~~ South end. bearing ~~North~~
28.50	Foot of bluff
40.00	Set post for temporary quarter sec. corner
46.00	Foot of hill bearing North & S. W.
46.50	Ravine bearing N. E.
80.77	Intersect N & S. line 52 lks. South of the corner to Secs. 10. 11. 14 & 15, from which I run West on a true line, between Sections 10 & 15.
	Variation 11°52' East.
40.38½	Set a limestone 15 inches long, 13 inches wide & 4 inches thick for quarter sec. corner.
80.77	corner to Sections 9. 10. 15 & 16 Land hilly & stony. Soil 2nd rate. November 13th 1856.

North between Sections 9 & 10
Variation 11°35' East

Township 2 N. of Range 13 E. 6th Prin. Mer.

Chains	
40.00	Set a limestone 14 inches long, 11 inches wide & 4 inches thick for quarter section corner.
42.30	North fork of Nemaha 50 lks. wide. runs N. E. Enter timber at stream
55.00	Left timber bearing N.W. & S.E.
58.00	Ravine bearing S. E.
80.00	Set a limestone 20 inches long, 11 inches wide & 6 inches thick for the corner to Secs. 3. 4. 9 & 10. Land level. Soil 1st rate. Timber Elm Cottonwood Maple & Hickory. Undergrowth Hickory & Hazel. November. 13. 1856.

East on a random line between Secs. 3 & 10

Variation 11°30' East

18.41	To Long branch 50 lks. wide, runs South Enter timber at stream
21.50	North bend of Long branch, runs East
33.00	Left same running E. S. E.

Township 2 N. of Range 13 E. 6th Prin. Mer.

Chains	
39.00	Enter bottom bearing N & S.
40.00	Set post for temporary quarter sec. corner
80.21	Intersect N & S line 14 lks. North of the corner to Secs. 2. 3. 10 & 11, from which I run West on a true line, between sections 3 & 10.

Variation 11°24' East.

X 40.10½	Set a limestone 15 inches long, 10 inches wide & 2½ inches thick for quarter section corner.
80.21	Corner to Secs. 3. 4. 9 & 10. Land chiefly bottom ~~bottom~~ 1st rate Timber Bur Oak, Swamp Oak, Elm Maple, Hickory Locust, Cherry & Cottonwood. Undergrowth Red Bud Plum & Box Elder. November. 13. 1856

North on a random line between Secs. 3 & 4

Variation 12° 00' East

6.00	Enter timber bearing N. E. & S. W.
10.00	Stream 15 lks. wide, runs East.

Township 2 N. of Range 13 E. 6th P.M. Mer.

Chains	
11.50	Same stream 30 lks. wide runs N.W.
16.20	" " Called "Long branch" runs N.E.
16.30	Leave timber bearing ~~W.~~ S. E & ~~W.~~ N. W.
40.00	Set temporary quarter Sec. corner.
42.00	Foot of hill bearing E & W.
65.00	Top of hill bearing E & W.
78.82	Intersect Township line 56 lks. West of the corner to Secs. 3 & 4, from which I run South on a true line, between sections 3 & 4.
	Variation 11°36' East
38.82	Set a limestone 20 inches long, 9 inches wide & 3 inches thick for quarter section corner.
78.82	corners to Secs. 3. 4. 9 & 10
	Land rolling. Soil 1st rate.
	Timber Elm, Walnut, Cottonwood, Maple & Hickory. Underwoods Maple Hickory & Hazel.

November 15. 1856.

North between sections 32 & 33

Variation 11°40' East

Township 2 N. of Range 13 E. 6th P.M. Mer.

Chains	
39.00	Left bottom bearing N E & S W.
40.00	Set a limestone 16 inches long, 11 inches wide, & 4 inches thick on East slope of bluff for quarter section corner.
41.50	Ravine, bearing S. S. E.
80.00	Set a limestone 17 inches long, 12 inches wide & 7 inches thick on West slope of divide for corner to Secs. 28. 29. 32 & 33.
	Land on 1st half mile rich bottom 2nd half mile rolling & 2nd rate soil
	East on a random line between Secs. 28 & 33.
	Variation 11°40' East.
40.00	Set a post for temporary quarter Sec. corner
79.56	Intersect N & S. line 22 lks. North of the corner to Secs. 27. 28. 33 & 34 from which I run West on a true line, between sections 28 & 33.
	Variation 11°31' East
39.78	Set a limestone 18 inches long, 10 inches wide & 3 inches thick for quarter section corner.

Township 2 N. of Range 13 E. 6th P.M. Mer.

Chains	
79.56	To corner of Secs. 28, 29, 32 & 33. Land rolling. Soil 2nd rate. November 16, 1856.

North between Sections 28 & 29.
Variation 11°45' East

40.00	Set a limestone 13 inches long, 9 inches wide & 5 inches thick for quarter section corner.
80.00	Set a limestone 33 inches long, 13 inches wide & 3 inches thick for the corner to sections 20, 21, 28 & 29. Land rolling. Soil 2nd rate.

East on a random line between Secs. 21 & 28
Variation 11°40' East.

15.25	Ravine bearing N. E.
40.00	Set a post for temporary quarter sec. corner.
45.50	Ravine, bearing N. E.
61.50	Ravine bearing S. E.
79.34	Intersect ~~S.~~ & S. line 30 lks North of the corner to Secs. 21, 22, 27 & 28.

Township 2 N. of Range 13 E. 6th P.M. Mer.

Chains	
	from which 3 mm West on a true line, between Sections 21 & 28. Variation 11°27' East.
39.67	Set a limestone 15 inches long, 12 inches wide & 3 inches thick for quarter section corner.
79.34	Corner to Sections 20, 21, 28 & 29. Land high rolling prairie. 1st rate. November 15, 1856.

North between Sections 20 & 21
Variation 11°50' East.

18.00	Ravine bearing N. E.
24.00	Ravine bearing S. E.
40.00	Set a limestone 16 inches long 7½ inches ~~thick~~ wide & 3 inches thick on high prairie for quarter sec. corner.
60.70	Wagon road bearing E.S.E. & W.N.W.
80.00	Set a limestone 22 inches long, 11 inches wide & 4 inches thick for corner to sections 16, 17, 20 & 21. Land rolling. Good 2nd rate soil.

Township 2 N. of Range 13 E. 6th Prin. Mer.

Chains

East on a random line between Secs. 16 & 21
Variation 11°45' East.

8.00 Ravine bearing N. E.
22.00 Ravine bearing North
28.60 Ravine bearing N. E.
40.00 Set a post for temporary quarter Sec. corner.
69.00 Wagon road bearing N. E. & S. W.
79.44 Intersect N & S. line 31 lks. North of the corner to sections 15. 16. 21 & 22. from which 3 mm West on a true line, between sections 16 & 21.
Variation 11°32' East.
39.72 Set a limestone 18 inches long, 10 inches wide & 3 inches thick on N.W. slope of divide for quarter Sec. corner.
79.44 Corner to Secs. 16. 17. 20 & 21
Land rolling. Soil 2nd rate.
Limestone is abundant. Many pebbles on the surface.

North between Sections 16 & 17
Variation 11°55' East

Township 2 N. of Range 13 E. 6th Prin. Mer.

Chains

40.00 Set a limestone 15 inches long, 13 inches wide & 2½ inches thick for quarter Section corner.
40.90 Ravine, water in pools, bearing East.
80.00 Set a limestone 23 inches long, 10 inches ~~thick~~ wide & 3 inches thick for corner to Sections 8. 9. 16 & 17.
Land rolling. 1st rate.

East on a random line between Secs. 9 & 16
Variation 11°35' East
36.00 Enter ravine bearing N. E
40.00 Set a post for temporary quarter Section corner.
43.50 Left ravine bearing N. E.
71.00 Enter bottom
80.18 Corner to Sections 9. 10. 15 & 16. from which 3 mm West on a true line, between Sections 9 & 16.
Variation 11°35' East
40.09 Set a limestone 20 inches long, 13 inches wide and 3 inches thick for quarter Section corner.
80.18 Corner to Sections 8. 9. 16 & 17.
Land rolling. Soil 2nd rate, South of line, North of line, rich bottom.
Nov. 12. 1856.

Township 2 N. of Range 13 E. 6th Prin. Mer.

Chains	
	North between Sections 8 & 9
	Variation 11°33' East
30.32	Nemaha 70 lks. wide runs N.E.
	Enter timber at Stream
40.00	Set a limestone 17 inches long, 1[illegible] inches wide & 3 inches thick for quarter section corner, from which A swamp Oak 24 in. diam bears S. 67° E. 106 links distant.
45.16	Nemaha 73 lks wide runs N.N.W.
59.00	Same 70 lks wide runs East & leave timber bearing E & W.
80.00	Set a limestone 16 inches long, 10 inches wide & 3 inches thick for corner to Sections 4, 5, 8 & 9
	Land rich bottom. 1st rate. Timber Elm Swamp Oak & Cottonwood scattering on creek.
	November 13, 1856
	East on a random line between Secs. 4 & 9
	Variation 11°20' East

Township 2 N. of Range 13 E. 6th Prin. Mer.

Chains	
40.00	Set post for temporary quarter sec. corner
59.00	Left bottom bearing N.W. & S.E.
	Ascend hill
70.00	Top of hill
72.50	Descend hill
76.00	Foot of hill
80.51	Intersect N & S line at the corner of Secs. 3, 4, 9 & 10, from which I run West on a true line, between Sections 4 & 9.
	Variation 11°20' East
40.25½	Set a limestone 24 inches long, 12 inches wide & 2 inches thick for quarter sec. corner
80.51	corner to Secs. 4, 5, 8 & 9
	Land rolling. 1st rate soil.
	North on a random line between Sections 4 & 5
	Variation 11°25' East
36.00	Ravine bearing South
40.00	Set a post for temporary quarter section corner.

Township 2 N. of Range 13 E. 6th P.M.

Chains	
42.00	Ascend bluff bearing S.E. & S.
46.50	Top of bluff bearing E. & W.
65.70	Wagon road from Archer to Big Blue bearing E. & W.
78.90	Intersect Township line 86 links West of the corner to Secs. 4 & 5, from which I run South on a true line between Sections 4 & 5.
	Variation 10°48' East
38.90	Set a quartz rock 15 inches long, 12 inches wide & 4 inches thick for quarter Sec. corner to Secs. 4, 5, 8 & 9
78.90	Land on 1st half mile bottom & 1st rate. North half mile hilly, stony & 2nd rate.

November 15, 1856

North between sections 31 & 32

Variation 11°15' East

32.50	Ravine bearing N.E.
40.00	Set a limestone 31 inches long, 9 inches wide & 4 inches thick for

Township 2 N. of Range 13 E. 6th P.M. Mer.

Chains	
	quarter Section corner.
40.50	Ravine bearing East
80.00	Set a limestone 26 inches long, 16 inches wide & 3 inches thick for corner to Secs. 29, 30, 31 & 32
	Destroyed Mc Kevin's Stone corner which was 2.25 chains W.N.W.
	Land rolling. Soil 1st rate.

East on a random line between Secs. 29 & 32

Variation 11°15' East,

36.80	Ravine bearing S.W.
40.00	Set a post for temporary quarter sec. corner
45.50	Ravine bearing S.E.
68.40	Ravine bearing S.E.
71.50	Ravine bearing S.W.
74.00	Ascend hill bearing N.E. & S.W.
79.94	Intersect N. & S. line 55 lks. South of the corner to Secs. 28, 29, 32 & 33, from which I run West on a true line, between Sections 29 & 32.

Township 2 N. of Range 13 E. 6th Prin. Mer.

Chains	
	Variation 11°39' East
39.97	Set a limestone 20 inches long, 11 inches wide & 3 inches thick for quarter section corner.
79.94	Corner to Sections 29. 30. 31 & 32. Land rolling. Soil 1st rate.

West on a random line between Secs. 30 & 31

Variation 11°15' East.

14.00	Ravine bearing N.W.
20.50	Enter Hazel thicket Bearing N E & S.W.
21.70	Ravine bearing North
23.00	Leave thicket & enter timber bearing N E & S.W.
26.00	Drain bearing North. banks 20 feet high
35.00	Leave timber bearing N E & S.W.
38.50	Enter Hazel thicket bearing N & S.
40.00	Set temporary quarter Sec. corner on West side of Hazel thicket
44.00	Enter Hazel & Plum thicket bearing N & S

E. Comp'd Drawn J.C.S.
C. Mullen & Doyle

Township 2 N. of Range 13 E. 6th Prin. Mer.

Des. list made

Chains	
48.00	Ravine bearing South Brooks
50.20	Indian trail bearing N E & S.W.
51.00	Leave thicket bearing N & S.
57.60	Ravine bearing S.E.
79.14	Intersect Range line 43 lks. South of the corner to Secs. 30 & 31, from which Trun East on a true line, between Sections 30 & 31.
	Variation 11°34' East.
39.14	Set a limestone 20 inches long, 7 inches wide & 6 inches thick for quarter section corner, from which.
	{ A Bur Oak 7 in. diam. bears S. 37° W. 43 lks. dist.
	{ " Bur Oak 5 in diam bears N. 77° W. 60 lks. dist.
79.14	Corner to Sections 29. 30. 31 & 32. Land rolling. Soil 1st rate. Timber Bur Oak Walnut, Hickory & Lynn, Undergrowth, Hickory & Hazel.

North between Secs. 29 & 30

Variation 11°15' East

Township 2 N. of Range 13 E. 6th P.M.

Chains	
31.00	Ravine bearing East.
40.00	Set a limestone 16 inches long, 8 inches wide & 5 inches thick for quarter Section corner.
80.00	Set a limestone 18 inches long, 8 inches wide & 5 inches thick for corner to Sections 19, 20, 29 & 30. Land rolling, Soil 1st rate.
	East on a random line between Secs. 20 &. Variation 11°35' East.
10.40	Trail bearing N E & S W
21.60	Ravine bearing N.W.
34.50	Ravine bearing N.W.
40.00	Set a post for temporary quarter Section corner.
80.18	Intersect N & S line 50 lks. North of the corner to Secs. 20, 21, 28 & 29, from which I run West on a true line between sections 20 & 29. Variation 11°14' East
40.09	Set a red rock 18 inches long,

Township 2 N. of Range 13 E. 6th P.M. Mer.

Chains	
	10 inches wide & 7 inches thick for quarter Section corner.
80.18	Corner to Sections 19, 20, 29 & 30 Land rolling, Soil 1st rate. November 16, 1856.
	West on a random line between Secs. 19 & 30 Variation 11°20' East.
22.00	Enter timber bearing N.W. & S.E.
23.00	Wagon road bearing S.S.E. & N.N.W.
27.00	Drain 50 lks. wide bearing N.E. banks 20 feet high.
29.00	Wagon road bearing N.E. & S.W.
32.80	Drain 30 lks. wide bearing S.W.
34.50	Same 30 lks. wide bearing N.W.
39.50	Ravine bearing N.N.E.
40.00	Set a post for temporary quarter Section corner, and leave timber bearing N & S.
78.48	Intersect Range line 15 lks. South of the corner to Sections 19 & 30, from which I run N. East on a true line, between Sections 19 & 30.

Township 2 N. of Range 13 E. 6th Pm. Mer.

Chains	
	Variation 11°14' East
38.48	Set a limestone 16 inches long, 11 inches wide & 3 inches thick on West bank of Ravine for quarter Section corner, from which A White Oak 15 in. dia. bears S. 8° W. 70 lks. d No other convenient.
78.48	Corner to Sections 19. 20. 29 & 30. Land rolling. Soil 1st rate. Timber Bur. Oak. White Oak. Walnut, Hickory & Sycamore. Undergrowth Hickory, Hazel and Greenbrier. Christian Oberly lives on the N. E 1/4 Sec. 30. Cornfield of 20 acres.
	North between Sections 19 & 20
	Variation 11°20' East
7.50	Enter timber bearing NW & S. E.
11.70	Drain 10 lks. wide bearing West.
12.00	Leave brush & timber bearing NW & S. E.
15.00	Ascend hill bearing NW & S. E.
29.00	Top of hill. 40 feet high bearing E & W.

Township 2 N. of Range 13 E. 6th Pm. Mer.

Chains	
32.00	Descend hill bearing E & W.
39.50	Ravine bearing N.W.
40.00	Set a limestone 22 inches long, 8 inches wide & 4 inches thick on North side of ravine for quarter section corner.
47.50	Ravine bearing S.W.
80.00	Set a limestone 24 inches long, 7 inches wide & 3 inches thick in ravine for corner to Sections 17. 18. 19 & 20
	Land high rolling prairie. Soil 2nd rate.
	East on random line between Secs. 17 & 20
	Variation 11°20' East
35.00	Ravine bearing NW.
40.00	Set post for temporary quarter section corner.
59.00	Wagon road bearing NW & S. E.
67.00	Ravine bearing N. N. E.
79.50	Intersect N & S. line 10 lks. North of the corner to Secs. 16. 17. 20 & 21. from which I run West on a true line between Sections 17 & 20.

Township 2 N. of Range 13 E. 6th Prin. Mer.

Chains	
	Variation 11°16' East
39.75	Set a limestone 20 inches long, 10 inches wide & 3 inches thick for quarter section corner.
79.50	Corner to Secs. 17, 18, 19 & 20
	Land rolling. Soil 2nd rate
	West on a random line between Secs. 18 & 19
	Variation 11°15' East
8.10	Ravine bearing N. E.
8.50	Ascend hill bearing N. E. & S. W.
28.00	Top of hill 80 feet high bearing N. & S.
32.00	Descend hill bearing N. E. & S. W.
40.00	Set a post for temporary quarter sec. corner at foot of hill.
40.50	Wagon road bearing N. & S.
44.75	McKevin's corner about 2.00 chains North which I destroyed.
48.00	Enter timber bearing N. E. & S. W.
49.30	Ravine bearing North
51.85	Wagon road bearing N. & S.

Township 2 N. of Range 13 E. 6th Prin. Mer.

Chains	
52.30	Drain 40 lks. wide bearing North. banks 20 feet high.
61.00	Foot of hill bearing N. E. & S. W.
62.50	Top of same 30 feet high & bare timber bearing N. E. & S. W.
78.54	Intersect Range line 7 lks. South of the corner to Secs. 18 & 19, from which I run East on a true line, between Sections 18 & 19.
	Variation 11°12' East.
38.54	Set a limestone 23 inches long, 10 inches wide & 3 inches thick for quarter section corner.
78.54	Corner to Sections 17, 18, 19 & 20.
	Land on East half mile hilly 2nd rate.
	West half mile level & 1st rate.
	Cabin on S. E. 1/4 Sec. 18, also on S. W. 1/4.
	Timber Walnut, Hickory, Lynn Bur Oak & White Oak.
	Undergrowth Hazel, Hickory & Greenbrier.

Township 2 N. of Range 13 E. 6th P.M.

Chains	
	North between Sections 17 & 18
	Variation 11°58' East
8.00	Ravine bearing West
10.00	Limestone ledge bearing N & S.
12.00	Ravine bearing West.
12.50	Ascend hill bearing E & W.
18.00	Top of hill 60 feet high bearing E & W.
22.70	Wagon road bearing N.W. & S.E.
	Descend hill bearing N.W. & S.E.
27.10	Ravine bearing N.W.
40.00	Set a limestone 15 inches long 9 inches wide & 5 inches thick for quarter section corner.
40.50	Ravine bearing West
41.00	Ascend hill bearing E & W.
46.00	Top of hill 70 feet high bearing E & W.
49.00	Descend hill bearing E & W.
55.00	Enter bottom bearing E & W.
59.60	Mr. Ricker's cornfield bearing N.E. & S.W.

Township 2 N. of Range 13 E. 6th P.M. Mer.

Chains	
69.00	Left cornfield & enter brush bearing N.W. & S.E.
72.00	North fork of Nemaha 65 lks wide runs S.E.
	A few Cottonwood & Maple on Stream
73.56	Over Stream to a Cottonwood 14 in dia.
~~80.00~~	where we left brush bearing N.W. & S.E.
80.00	Set a limestone 24 inches long, 11 inches wide & 4 1/2 inches thick for corner to Sections 7. 8. 17 & 18.
	Land hilly & 2nd rate on South half mile. North half chiefly rich bottom.
	November 17th 1856.
	East on a random line between Secs. 8 & 17
	Variation 11°5' East
12.50	Enter timber bearing N.E. & S.W.
14.00	Nemaha 60 lks wide runs N.N.E.
18.50	Leave timber bearing N.E. & S.W.
40.00	Set a post for temporary quarter section corner.
54.50	Enter timber N.E. & S.W.
55.00	Drain bearing South

Township 2. N. of Range 13 E. 6th P.M. Mer.

Chains	
56.50	Same drain bearing ~~N.E.~~ S.W.
57.50	Same drain bearing North
57.80	Same drain bearing S.E.
59.00	Same drain bearing N.E.
	Leave timber bearing N.E. & S.W.
79.50	Intersect N. & S. line 25 lks. South of the corner to Secs. 8.9.16 & 17. from which I run West on a true line, between Sections 8 & 17.
	Variation 11°16' East.
39.75	Set a limestone 25 inches long, 12 inches wide & 6 inches thick for quarter section corner.
79.50	Corner to Sections 7.8.17 & 18
	Land chiefly bottom. 1st rate soil
	Timber Swamp Oak, Elm & Cottonwood & Hickory.
	Undergrowth Hazel & Hickory.
	Ran on a random line between Secs. 7 & 18
	Variation 10°50' East.
14.00	Enter timber bearing NW & S.E.

Township 2 N. of Range 13 E. 6th P.M. Mer.

Chains	
15.00	Ravine bearing S.S.E.
15.25	Leave timber bearing NW & S.E.
37.00	Leave bottom & ascend bluff bearing N.E. & S.W.
40.00	Set temporary quarter section corner.
48.50	Top of bluff 40 feet high bearing N. & S.
55.00	Ascend bluff bearing NW & S.E.
58.00	Enter bottom bearing NW & S.E.
69.00	Ravine bearing S.E.
77.65	Intersect Range line 34 lks. North of the corner to Sections 7 & 18. from which I run East on a true line, between sections 7 & 18
	Variation 11°5' East.
37.65	Set a limestone 19 inches long, 12 inches wide & 4 inches thick on S.E. slope of bluff for quarter section corner.
77.65	Corner to Secs. 7.8.17 & 18.
	Land chiefly bottom, 1st rate Soil.

Township 2 N. of Range 13 E. 6th P.M. Mer.

Chains	
	North between Sections 7 & 8
	Variation 11°35' East
40.00	Set a limestone 17 inches long, 11 inches wide & 4 inches thick in tall grass in bottom for quarter Sec. corn.
52.00	Leave bottom & ascend divide bearing N. E. & S.W.
66.00	Top of divide 50 feet high bearing E. & W.
74.00	Descend divide bearing N. E. & S.W.
80.00	Set a limestone 21 inches long, 11 inches wide & 7 inches thick on North slope of divide for corner to Secs. 5, 6, 7 & 8.
	South of divide rich bottom. North of bottom hilly & 2nd rate.
	East on a random line between Secs. 5 & 8.
	Variation 11°15' East
21.50	Enter brush & timber bearing N. & S.
22.30	Ravine bearing S. E.
22.75	Leave brush & timber bearing N. & S.

Township 2 N. of Range 13 E. 6th P.M. Mer.

Chains	
40.00	Set a post for temporary quarter Section corner.
79.25	Intersect N. & S. line 16 lks. North of the corner to Sections 4, 5, 8 & 9, from which 9 mm West on a true line between Sections 5 & 8.
	Variation 11°7' East
39.62½	Set a limestone 18 inches long, 12 inches wide, 4 inches thick in bottom for quarter section corner.
79.25	Corner to sections 5, 6, 7 & 8.
	Land chiefly bottom, 1st rate soil.
	Timber Hickory Elm & Maple.
	Undergrowth Hazel & Sumac.
	West on a random line between Sections 6 & 7
	Variation 11°5' East
2.50	Ravine bearing North
9.00	Ravine bearing N. E.
9.90	Ravine bearing S. E.
40.00	Set a post for temporary quarter Section corner.

Township 2 N. of Range 13 E. 6th Prin. Mer.

Chains	
77.60	Intersect Range line 31 lks. North of the corner to Secs. 6 & 7, from which I run East on a true line, between Sections 6 & 7.
	Variation 11°18' East
37.60	Set a limestone 19 inches long, 10 inches wide & 3 inches thick for quarter section corner.
77.60	Corner to sections 5, 6, 7 & 8.
	Land rolling. Soil 2nd rate.
	North one random line between Secs. 5 & 6
	Variation 11°15' East
4.00	Ravine bearing East.
14.00	Enter timber bearing N E & S W.
19.00	Drain 30 lks wide bearing S.E.
23.00	Same 30 lks wide bearing S.W.
26.00	Same 30 lks. wide bearing East
28.00	Leave timber bearing N.W. & S.E.
36.50	Ravine bearing S.W.
40.00	Set a post for temporary quarter section corner

Township 2 N. of Range 13 E. 6th Prin. Mer.

Chains	
56.00	Wagon road from Archer to Big Blue bearing E & W.
78.68	Intersect Township line 94 lks. West of the corner to Secs. 5 & 6 from which I run South on a true line between sections 5 & 6.
	Variation 10°35' East
38.68	Set a limestone 22 inches long, 10 inches wide & 3 inches thick for quarter section corner.
78.68	Corner to Secs. 5, 6, 7 & 8.
	Land rolling. Soil 1st rate
	November 18, 1856.
	Timber Bur Oak Walnut Hickory & Elm. Underprouth Hazel & Sumac.
	November 18, 1856.

Township 2 N. of Range 13 E. 6th Prin. Mer.

General Description.

The soil in this Township is first rate generally. The wide bottoms of the Nemaha are of surpassing fertility. The uplands are gently rolling excepting a few broken barren bluffs in the N.E. part.

The timber is principally Oak Elm Walnut & Hickory & is as good as usually found West of the Missouri. The timber is not very abundant but it is sufficient to supply all in the vicinity of streams

There are two families settled on the Nemaha and Christian Oberly has a field of thriving corn on a Tributary of the Nemaha in the Western tier of sections.

Township 2 N. of Range 13 E. 6th Prin. Mer.

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 Township 2 N. of the Base line of Range No. 13 E. 6th Principal Meridian, showing the respective capacities in which they acted:

John P. Graves, Chainman
Israel F. Pearce, Chainman
Edward Williams, flagman
Wm W. Hall, flagman & cornerman
Wm M. Elliott Axeman & flagman

Township 2 N. of Range 13 E. 6th Principal

We, hereby certify that we assisted Wm. H. Godwin in completing the survey of the subdivision lines in Township 2 North of the base line of Range No. 13 East of the 6th Principal Meridian, and that said Township has been in all respects, to the best of our knowledge & belief, well and faithfully surveyed, and the boundary monuments planted according to the instructions furnished by the Surveyor General.

A. S. Grades Chainman
Israel F. Pearce Chainman
Wm W. Hall flagman & commander
Edward, Williams flagman
William C. Elliott axeman & flagman

Subscribed & sworn to before

me, a Justice of the Peace for Nemaha County, in the Territory of Nebraska this 5th day of January 1857

Willis Hill
Justice of the Peace

I, Wm H. Godwin, deputy surveyor, do solemnly swear that, in ~~pursuance~~ obedience to the instructions of John Calhoun, Surveyor General of the public lands of the United States in the Territories of Kansas and Nebraska, bearing date October 31st A.D. 1856, and in strict conformity to the laws of the United States and the instructions furnished by the said Surveyor General, I have faithfully completed the survey of the subdivision lines of Township No. 2 North of the base line of Range No. 13 East of the 6th Principal

Meridian, in the Territory of Nebraska and do further solemnly swear that the foregoing are the true and original field notes of such survey.

Wm. H. Godwin
Deputy Surveyor.

Subscribed by said Wm H. Godwin, deputy surveyor, & sworn to before me, a Justice of the Peace for Nemeha County, in the Territory of Nebraska, this 5th day of January A.D. 1857.

Willis Hill
Justice of the Peace

Surveyor Generals Office
Decompton K.T. Feby 16 1858

I hereby certify that so much of the surveys of the Subdivisional lines of Township No. One North of Range Number Thirteen East amounting to Fifty Nine Miles Sixty four chains and Seventy Eight Links, and of Township Number Two North of Range Number Thirteen East ~~of the South Principal Meridian in the Territory of Nebraska~~ amounting to Nineteen Miles Seventy Eight Chains and Seventy five links as was executed by Michael Emmett DeHerko deceased previous to the completion of his contract, without having obtained the affidavits of his Assistants and their places of residence being unknown to this office do not appear in their proper position) having been duly examined by Charles W. Price Examiner of surveys for the Territory of Nebraska and by him reported to this office as correctly executed the same are hereby approved.

19 miles
20 miles
78 chs

Surveyor General

4
Ex^a

Drawn (J) D.L. copied

McMullen & Doyle

Des. list made out
Comp^d Brooks

Resurvey of Township No. 3 N. of Range 13 E. 6th Principal Meridian. Nebraska Territory.
Commenced November 19. 1856.
Finished December 9th 1856.
Surveyed by Wm H. Godwin, D.S.

Exd – Correct
March 13th 1857

Names and duties of all persons who assisted in the resurvey of Township No. 3 N. of Range No. 13 E. 6th Principal Meridian

John P. Graves, Chainman
Israel F. Pearce Chainman
Wm. W. Hall, flagman & cornerman
Edward Williams flagman
Wm. M. Elliott axeman & flagman

Resurvey
Township 3 N. Range 13. E.

6	53	5	37	4	27	3	19	2	12	1
52		51		37		26		18		11
7	49	8	35	9	25	10	17	11	10	12
49		48		35		25		17		10
18	46	17	34	16	24	15	16	14	9	13
46		45		34		24		16		8
19	44	20	32	21	23	22	15	23	7	24
43		42		31		22		15		7
30	41	29	29	28	21	27	14	26	6	25
40		39		29		21		13		5
31	38	32	27	33	19	34	12	35	4	36

Township 3 N. of Range 13 E. 6th Prin. Mer.

Chains

To determine the proper adjustment of my compass (Burts Solar) for subdividing this Township, I commence at the corner of sections 35 & 36 on the Southern boundary of the Township, thence East.

Variation 11°45' East

39.90 To a point 26 lks. South of the quarter section corner on the South side of Sec. 36.

79.83 Intersect Range line 53 lks. South of the S.E. corner of the Township.

To trace the Township line my compass must be adjusted to a variation 12°8' East.

Began again at the S.E. corner of the Township, thence North, on E. 13 dy. of Sec. 36

Variation 12°00' East

39.90 To a point 54 lks. East of the quarter section corner between Secs. 31 & 36.

79.87 To a point 1.00 chain East of the corner to Secs. 30. 31. 25 & 36. To trace the Range line my compass must be adjusted to a

Township 3 N. of Range 13 E. 6th P.M.

Chains

variation of 12° 43' East
(The wind blew so hard to day that it was hardly possible to bring the needle to a state of rest.)
Subdivision commenced November 19th A.D. 1856.
North between Sections 35 & 36
Variation 12° 35' East

4.50 Limestone ledge bearing N.W. & S.E.
17.50 Ravine bearing N.W.
20.60 Wagon road from Archer to Big Blue bearing East & West.
40.00 Set a limestone 24 inches long, 13 inches wide & 3 inches thick for quarter Section corner.
Destroyed old corner, which was a stone marked ¼ containing about 100 cubic inches & about 100 chain West of the true corner.
80.00 Set a limestone 19 inches long, 11

Township 3 N. of Range 13 E. 6th P.M.

Chains

inches wide & 3 inches thick for corner to Sections 25, 26, 35 & 36.
Destroyed old corner which was about 60 lks. S.S.W. of the true corner.
Land rolling. Soil 2nd rate.

East on a random line between Sections 25 & 36.
Variation 12° 00' East.

10.50 Top of divide bearing E & W.
18.00 Ravine bearing S.W.
40.00 Set a post for temporary quarter Section corner.
70.00 Top of divide 30 feet high bearing E & W.
73.50 Ravine bearing N.E.
79.80 Intersect Rangeline 20 lks. South of the corner to Secs. 25 & 36, from which corner 9 min. West on a true line, between Sections 25 & 36
Variation 12° 9' East
39.90 Set a limestone 21 inches long, 8 inches wide & 4 inches thick on East slope of divide for quarter Section corner. Destroyed old corner which was about 40 lks. South of true corner.
79.80 Corner to Secs. 25, 26, 35 & 36.

Township 3 N. of Range 13 E. 6th Prin. Mer.

Chains	
	Land rolling. Soil sandy & 2nd rate. Nov 18th 1856.
	North between Sections 25 & 26.
	Variation 12° 40' East.
8.70	Ravine bearing S.W.
24.30	Ravine bearing West
40.00	Set a limestone 23 inches long, 13 inches wide & 3 inches thick for quarter section corner. Old corner about 50 lks. West. Destroyed it.
80.00	Set a limestone 16 inches long, 13 inches wide & 3 inches thick for corner to Sections 23, 24, 25 & 26. Destroyed old corner which was a very small stone about 75 lks. too far West.
	Land gently rolling, Soil 2nd rate
	East on a random line between Secs. 25 & 24
	Variation 12° 3' East.
5.00	Ravine bearing N.W.
39.50	Old quarter sec. corner about 50 lks. North. Destroyed it.

Township 3 N. of Range 13 E. 6th Prin. Mer.

Chains	
40.00	Set a post for temporary quarter sec. corner.
80.08	Intersect Range line 27 lks. South of the corner to Secs. 24 & 25, from which I run West on a true line, between Sections 24 & 25.
	Variation 12° 15' East
40.04	Set a limestone 20 inches long, 14 inches wide & 3 inches thick for quarter section corner.
80.08	Corner to Sections 23, 24, 25 & 26.
	Land gently rolling, Loam black Soil, 1st rate.
	North between Sections 23 & 24.
	Variation 12° 35' East.
5.00	Ravine bearing S.E.
34.60	Ravine bearing East
40.00	Set a limestone 14 inches long, 11½ inches wide & 4 inches thick for quarter section corner. Destroyed old corner which was about 100 lks. West. It was a stone containing about 50 cubic inches.
75.60	Ravine bearing N.E.

Township 3 N. of Range 13 E. 6th P.M.

Chains	
80.00	Set a limestone 20 inches long, 15 inches wide & 3 inches thick for corner to Sections 13, 14, 23 & 24. Old corner about 150 lks West. I always destroy the old corner. Land rolling, Soil 1st rate.
	November 20, 1856
	East on a random line between Secs. 13 & 24
	Variation 12° 20' East
33.50	Ravine bearing South
39.00	Found a stone 30 lks. North marked ¼ which is 6 inches long, 5 inches wide & 1 inch thick
40.00	Set a post for temporary quarter Sec. corner
80.45	Intersect Range line 37 lks. North of the corner to Secs. 13 & 24, from which I run West on a true line, between sections 13 & 24.
	Variation 12° 4' East.
40.22½	Set a limestone 14 inches long, 11 inches wide & 4 inches thick for quarter Section corner.
80.45	Corner to Sections 13, 14, 23 & 24

Township 3 N. of Range 13 E. 6th P.M. Mer.

Chains	
	Land gently rolling. Soil 1st rate.
	North between Sections 13 & 14
	Variation 12° 15' East
40.00	Set a limestone 15 inches long, 14 inches wide & 3 inches thick for quarter Section corner.
49.50	Ravine bearing North.
80.00	Set a limestone 21 inches long, 16 inches wide & 4 inches thick for corner to Secs. 11, 12, 13 & 14
	Land gently rolling. Soil 1st rate.
	East on a random line between Secs. 12 & 13
	Variation 12° 00' East.
23.00	Ravine bearing N.E.
23.50	Ascend divide bearing N.E. & S.W.
33.00	Top of divide 50 feet high bearing N.E. & S.W.
36.00	Descend divide bearing N. & S.
40.00	Set a post for temporary quarter Sec. corner
43.50	Ravine bearing N.E.
80.17	Intersect Range line 20 lks. South of

Township 3 N. of Range 13 E. 6th Prin. Mer.

Chains	
	the corner to Secs. 12 & 13, from which I run West on a true line, between sections 12 & 13. Variation 12° 9' East.
40.08½	Set a limestone 18 inches long, 12 inches wide & 3 inches thick for quarter section corner.
80.17	Corner to Sections 12, 13, 23 & 24. Land rolling, Soil 1st rate.
	North ~~on a random line~~ between Secs. 11 & 12 Variation 12° 00' East
6.10	Ravine bearing N. E.
29.30	Ravine bearing N. E.
34.20	Ravine bearing East.
40.00	Set a limestone 20 inches long, 12 inches wide & 4 inches thick for quarter section corner.
80.00	Set a limestone 22 inches long, 9 inches wide & 4 inches thick for corner to Sections 1, 2, 11 & 12 Land rolling. Soil 1st rate.

Township 3 N. of Range 13 E. 6th Prin. Mer.

Chains	
	East on a random line between Secs. 1 & 12 Variation 12° 00' East
40.00	Set a post for temporary quarter sec. corner
71.60	Ravine bearing S. E.
80.13	Intersect Range line 34 lks. North of the corner to Secs. 1 & 12, from which I run West on a true line, between sections 1 & 12. Variation 11° 45' East
40.06½	Set a limestone 15 inches long, 10 inches wide & 4½ inches thick for quarter section corner.
80.13	Corner to Sections 1, 2, 11 & 12. Land gently rolling. Soil 1st rate. November 21, 1856.
	North on a random line between Sections 1 & 2 Variation 12° 00' East.
22.60	Wagon road bearing E. N. E. & W. S. W.
26.50	Ravine bearing East.
40.00	Set a post for temporary quarter section corner.

Township 3 N. of Range 13 E 6th Prin. Mer.

Chains	
79.94	Intersect Township line 31 lks. East of corner to Secs. 1 & 2, from which I run South on a true line between sections 1 & 2.
	Variation 12°13' East
39.94	Set a limestone 19 inches long, 12 inches wide & 3 inches thick
79.94	Corner to Sections 1, 2, 11 & 12. Land gently rolling, Soil 1st rate.
	November 21, 1856.
	North between Sections 34 & 35
	Variation 12°40' East
16.00	Ravine bearing S.E.
16.50	Ascend divide bearing N.W. & S.E.
39.00	Top of divide 50 feet high bearing N.W. & S.E.
35.00	Descend bearing E. & W.
37.70	Wagon road to Archer bearing E. & W.
40.00	Set a limestone 26 inches long, 12 inches wide & 4 inches thick, for quarter section corner.

Township 3 N. of Range 13 E. 6th Prin. Mer.

Chains	
47.70	Ravine bearing East.
80.00	Set a limestone 24 inches long, 12 inches wide & 4 inches thick for the corner to Secs. 26, 27, 34 & 35. Land rolling Soil 1st rate.
	East on a random line between Sections 26 & 35
	Variation 12°00' East
24.50	Ravine bearing S.E.
33.50	Ravine, water in pools bearing S.E.
39.60	Stone about 20 lks North, 12 inches long, 6 inches wide & 1 inch thick for old corner.
40.00	Set a post for temporary quarter section corner.
61.50	Ravine bearing S.E. water in pools.
79.71	Intersect N. & S. line 8 lks. North of the corner to sections 25, 26, 35 & 36. from which I run West on a true line, between sections 26 & 35.
	Variation 11°57' East.
39.85½	Set a limestone 16 inches long, 14 inches wide & 4 inches thick for quarter

Township 3 N. of Range 13 E. 6th Prin. Mer.

Chains	
	section corner.
79.71	Corner to sections 26.27.34 & 35.
	Land gently rolling, 1st rate soil.
	North between sections 26 & 27
	Variation 12° 50' East.
3.00	Ravine bearing West.
40.00	Set a limestone 24 inches long, 9 inches wide & 4 inches thick for quarter section corner.
74.00	Ravine bearing West
80.00	Set a limestone 15 inches long, 12 inches wide & 4 inches for corner to sections 22.23.26 & 27.
	Land gently rolling, 1st rate soil.
	East on a random line between Secs. 23 & 26
	Variation 12° 00' East
13.70	Ravine bearing S. W.
39.00	Old corner 30 lks. South.
40.00	Set a post for temporary quarter Sec. corner.
53.50	Ravine bearing North

Township 3 N. of Range 13 E. 6th Prin. Meridian.

Chains	
55.00	Same ravine bearing S. E.
56.20	" " " N E
79.77	Intersect N & S. line 19 lks. North of the corner to sections 23.24.25 & 26. from which I run West on a true line, between sections 23 & 26.
	Variation 11° 52' East
39.85½	Set a limestone 18 inches long, 14 inches wide & 3½ inches thick for quarter section corner.
79.77	Corner to sections 22.23.26 & 27
	Land gently rolling, 1st rate soil.
	North between Sections 22 & 23.
	Variation 12° 55' East
12.30	Ravine bearing N.W.
21.70	Ravine bearing S.W.
40.00	Set a limestone 25 inches long, 14 inches wide & 2 inches thick for quarter sec. corner.
80.00	Set a limestone 14 inches long, 13 inches wide & 3½ inches thick for corner to secs. 14, 15, 22 & 23. Land rolling, Soil 1st rate.

Township 3 N. of Range 13 E. 6th Prin. Mer.

Chains

East on a random line between Secs. 14 & 23
Variation 12°50' East

40.00 Set a post for temporary quarter section corner.

63.30 Ravine bearing S.E.

80.20 Intersect N & S. line 9 lks. South of the corner to sections 13.14.23 & 24, from which I run West on a True line between sections 14 & 23.
Variation 12°54' East

40.10 Set a limestone 17 inches long, 13 inches wide & 3½ inches thick for quarter section corner.

80.20 Corner to sections 14.15.22 & 23
Land rolling. Soil 1st rate.
November 22, 1856.

North between sections 14 & 15.
Variation 12°15' East.

40.00 Set a limestone 18 inches long, 14 inches wide & 4 inches thick for quarter section corner.

Township 3 N. of Range 13 E. 6th Prin. Meridian

Chains

80.00 Set a limestone 20 inches long, 12 inches wide & 3 inches thick for corner to sections 10.11.14 & 15.
Land gently rolling. Soil 1st rate

East on a random line between sections 11 & 14
Variation 12°00' East.

40.00 Set a post for temporary quarter sec. corner.

41.00 Ravine bearing North

80.00 Intersect N & S. line 67 lks. North of the corner to sections 11.12.13 & 14, from which I run West on a True line, between sections 11 & 14.
Variation 11°31' East.

40.00 Set a limestone 26 inches long, 18 inches wide & 2½ inches thick for quarter section corner.

80.00 Corner to sections 10.11.14 & 15.
Land gently rolling. Soil 1st rate

North between sections 10 & 11
Variation 13°00' East

40.00 Set a limestone 26 inches long, 8 inches

Township 3 N. of Range 13 E. 6th Prin. Mer.

Chains

wide & 4 inches thick, for quarter section corner.

41.20 Ravine bearing N.N.E.

60.70 Ravine bearing S.S.E.

80.00 Set a limestone 23 inches long, 13 inches wide & 4 inches thick for corner to sections 2, 3, 10 & 11.

Land gently rolling. Soil 1st rate.

East on a random line between Secs. 2 & 11

Variation 12° 00' East.

40.00 Set a post for temporary quarter sec. corner.

79.87 Intersect N. & S. line 11 lks. South of the corner to sections 1, 2, 11 & 12, from which I run West on a true line, between Sections 2 & 11.

Variation 12° 5' East

39.93½ Set a limestone 22 inches long, 12 inches wide & 4 inches thick for quarter section corner.

79.87 Corner to sections 2, 3, 10 & 11.

Land rolling. Soil 1st rate.

Township 3 N. of Range 13 E. 6th Prin. Mer.

Chains

North on a random line between Secs. 2 & 3.

Variation 12° 00' East.

4.50 Ravine bearing S.W.

16.20 Wagon road to Archer bearing E. & W.

40.00 Set a post for temporary quarter sec. corner.

73.50 Ravine bearing N.E. water in pools.

80.20 Intersect Township line at the corner of sections 2 & 3, from which I run South on a true line, between sections 2 & 3.

Variation 12° 00' East.

40.20 Set a limestone 19 inches long, 6 inches wide & 4 inches thick for quarter section corner.

80.20 Corner to sections 2, 3, 10 & 11.

Land rolling. Soil 1st rate.

November 23. 1856.

North between sections 33 & 34.

Variation 12° 15' East

4.00 Ravine bearing W. & W.

15.00 Ravine bearing S.W. water in pools.

Township 3 N. of Range 13 E. 6th Prin. Mer.

Chains	
27.00	Enter ravine bearing S. E.
28.00	Leave same bearing South
36.30	Ravine bearing East.
40.00	Set a limestone 18 inches long, 8 inches wide & 5 inches thick for quarter section corner.
140.09	Small round, stone marked ¼. Contains about 40 cubic inches. Boys put it in the wagon to keep for a curiosity.
40.90	Wagon road to Archer bearing E & W.
47.50	Ravine bearing S. E.
80.00	Set a limestone 16 inches long, 6 inches wide & 6 inches thick for corner to sections 27.28.33 & 34. Land rolling. Soil 1st rate.

East on a random line between Secs. 27 & 34
Variation 12° 00' East

17.00	Ravine bearing S.S.E. water in pools.
40.00	Set a post for temporary quarter sec. corner.

Township 3 N. of Range 13 E. 6th Prin. Mer.

Chains	
48.50	Ravine bearing S.S.W. Water in pools.
80.12	Intersect N & S. line 45 lks. North of the corner to sections 26.27.34 & 35, from which a run West on a true line between sections 27 & 34. Variation 11° 41' East.
40.06	Set a limestone 13 inches long, 12 inches wide & 4 inches thick for quarter section corner.
80.12	Corner to sections 27.28.33 & 34. Land gently rolling. Soil 1st rate. November 24. 1856.

North between sections 27 & 28.
Variation 12° 3' East

40.00	Set a limestone 20 inches long, 12 inches wide & 3 inches thick for quarter section corner.
80.00	Set a limestone 21 inches long, 12 inches wide & 5 inches thick for corner to sections 21.22.27 & 28. Land rolling. Soil 1st rate.

Township 3 N. of Range 13 E. 6th Prin. Mer.

Chains	
	East on a random line between Secs. 22 & 27
	Variation 11°45' East
8.50	Enter Hazel thicket bearing N.E. & S.W.
11.70	Spring branch 15 lks. wide. runs N.W.
	Scattering timber on margin of stream.
12.00	Leave thicket bearing N.W. & S.E.
40.00	Set a post for temporary quarter sec. corner.
46.70	Ravine bearing S.W. water in pools.
59.20	Same " N.W.
66.00	Ravine bearing South.
79.66	Intersect N. & S. line 46 lks. North of the corner to Sections 22. 23. 26 & 27, from which I run West on a true line, between Sections 22 & 27.
	Variation 11°25' East
39.83	Set a limestone 16 inches long, 14 inches wide & 3 inches thick for quarter section corner.
79.66	Corner to Sections 21. 22. 27 & 28
	Land rolling. Soil 1st rate

Township 3 N. of Range 13 E. 6th Prin. Mer.

Chains	
	North between Sections 21 & 22
	Variation 12°54' East
3.00	Enter Hazel brush bearing N.W. & S.E.
7.80	Spring branch 15 lks. wide. runs N.W.
	Timber on margin of stream
13.00	Leave brush bearing N.W. & S.E.
40.00	Set a limestone 22 inches long, 12 inches wide & 2 inches thick for quarter section corner.
55.50	Ravine bearing N.W.
66.30	Ravine bearing S.W. water in pools.
79.00	Ravine bearing S.S.W. water in pools.
80.00	Set a limestone 22 inches long, 15 inches wide & 3 inches thick for corner to Sections 15. 16. 21 & 22.
	Land broken. Soil 2nd rate.
	East on a random line between Secs. 15 & 22
	Variation 11°30' East.
0.70	Ravine bearing South.
11.67	Ravine bearing S.S.W.

Township 3 N. of Range 13 E. 6th P.m. Mer.

Chains	
40.00	Set a post for temporary quarter Sec. corner
79.85	Intersect N & S. line 64 lks. South of the corner to Secs. 14.15.22 & 23, from which I run West on a true line, between sections 15 & 22. Variation 11°57' East.
39.92½	Set a limestone 22 inches long, 13 inches wide & 2½ thick for quarter sec. corner.
79.85	corner to Sections 15.16.21 & 22. Land broken. Soil 2nd rate. November 25, 1856.

North between sections 15 & 16. Variation 11°3' East.

Chains	
8.40	Ravine bearing East. Water in pools
40.00	Set a limestone 17 inches long, 13 inches wide & 4 inches thick for quarter section corner.
80.00	Set a limestone 18 inches long, 12 inches wide & 3 inches thick, for corner to sections 9.10.15 & 16. Land rolling. Soil 1st rate.

Township 3 N. of Range 13 E. 6th P.m. Mer.

Chains	
	East on a random line between Secs. 10 & 15. Variation 12°3' East.
19.75	Ravine bearing South
40.00	Set a post for temporary quarter Sec. corner.
79.90	Intersect N & S. line 64 lks. North of the corner to Sections 10.11.14 & 15, from which corner I run West on a true line, between Sections 10 & 15. Variation 11°36' East.
39.95	Set a limestone 15 inches long, 12 inches wide & 4 inches thick for quarter section corner.
79.90	Corner to Sections 9.10.15 & 16. Land rolling. Soil 1st rate

North between Sections 9 & 10. Variation 12°15' East.

Chains	
19.00	Wagon road from Nemaha City to Big Blue bearing N.E. & S.W.
40.00	Set a limestone 24 inches long, 14 inches wide & 2 inches thick for quarter section corner.

Township 3 N. of Range 13 E. 6th Prin. Mer.

Chains	
8.00	Set a limestone 20 inches long, 12 inches wide & 3 inches thick for corner to sections 3. 4. 9 & 10. Land rolling. Soil 1st rate.
	East on a random line between Secs. 3 & 10 Variation 11°45' East
4.00	Set a post for temporary quarter sec. corner.
63.50	Wagon road to Nemaha City bearing N.N.E. & S.S.E.
79.66	Intersect N. & S. line 14 lks North of the corner to sections 2. 3. 10 & 11, from which I run West on a true line, between sections 3 & 10 Variation 11°39' East
39.83	Set a limestone 14 inches long, 10 inches wide & 4 inches thick for quarter section corner.
79.66	Corner to Sections 3. 4. 9 & 10. Land rolling. Soil 1st rate.
	North on a random line between Secs. 3 & 4 Variation 12°30' East
8.70	Trail. bearing N.E. & S.W.

Township 3 N. of Range 13 E. 6th Prin. Mer.

Chains	
4.00	Set a post for temporary quarter sec. corner.
80.40	Intersect Township line 164 lks West of the corner to Sections 3 & 4, from which I run South on a true line, between sections 3 & 4. Variation 11°20' East
40.40	Set a limestone 16 inches long, 12 inches wide & 3 inches thick for quarter section corner.
80.40	Corner to Sections 3. 4. 9 & 10. Land rolling. Soil 1st rate. November 26. 1856.
	North between Sections 32 & 33. Variation 12°45' East
28.50	Enter Hazel brush bearing N.W. & S.E.
29.40	Stream 15 lks. wide runs East scattering timber on margin of stream
32.00	Leave brush & enter bottom bearing N.W. & S.E.
40.00	Set a limestone 20 inches long, 10 inches wide & 3 inches thick in bottom for

Township 3 N. of Range 13 E. 6th Prin. Mer.

Chains	
	quarter section corner.
45.50	Enter brush & timber bearing N.W. & S.E.
46.00	Long branch 20 lks. wide runs S.E.
47.00	Same 20 lks. wide runs S.W.
56.00	Leave brush & timber bearing N.E. & S.W.
72.00	Enter timber bearing N.W. & S.E.
78.30	Long branch 15 lks. wide runs S.E.
	Pure water. rapid current & rocky bottom. Banks 8 feet high.
78.50	Leave timber bearing E & W.
80.00	Set a limestone 22 inches long. 16 inches wide & 2 inches thick for corner to Sections 28. 29. 32 & 33.
	Land chiefly bottom. Soil 1st rate.
	Timber Hickory, Elm, Cottonwood Box Elder & Cherry. Undergrowth same with Hazel.
	East on a random line between Secs. 28 & 33
	Variation 11°45' East
4.50.	Enter Hazel & Thorn thicket, bearing

Township 3 N. of Range 13 E. 6th Prin. Mer.

Chains	
	N E & S W.
7.00	Ravine bearing South.
7.50	Leave thicket & enter bottom bearing N & S.
30.00	Leave bottom & ascend divide bearing N & S.
40.00	Set a post for temporary quarter sec. corner.
42.00	Top of divide 50 feet high bearing N & S.
45.00	Descend " " N & S
51.00	Ravine bearing South.
79.77	Intersect N. & S. line 12 lks. North of the corner to sections 27. 28. 33 & 34 from which corner I run West on a true line between Sections 28 & 33.
	Variation 11°40' East
39.88½	Set a limestone 16 inches long, 13 inches wide & 4 inches thick on West slope of divide, for quarter section corner.
79.77	Corner to sections 28. 29. 32 & 33.
	Land rolling East of bottom.
	Soil 1st rate.
	North between sections 28 & 29.
	Variation 12°40' East

Township 3 N. of Range 13 E. 6th Prin. Mer.

Chains	
14.24	Long branch 30 lks. wide runs S.W.
32.80	Long branch 80 " " " S.E.
40.00	Set a limestone 15 inches long, 13 inches wide & 3 inches thick for quarter section corner.
64.00	Ravine bearing West. A few scrubby Oaks on ravine.
70.00	Enter timber bearing NW & S E.
80.00	Set a limestone 20 inches long, 13 inches wide & 4 inches thick for corner to sections 20, 21, 28 & 29, from which an

Elm 12 in. dia. bears N. 4° E. 54 lks. dist.
A Bur Oak 11 in dia. bears N. 80° W. 52 lks. dist.
A Bur Oak 30 in. dia. " S. 19° W. 107 lks. dist.
A Bur Oak 28 in dia. " S. 50° E. 34 lks. dist.
Land rolling. Soil 1st rate.
Timber Bur Oak, Elm, Hickory Maple & Lynn. Undergrowth Hazel and Hickory.

Township 3 N. of Range 13 E. 6th Prin. Meridian

Chains	
	East on a random line between Sections 21 & 28 Variation 11°45' East.
4.75	Stream 20 lks. wide runs North
5.25	Same 20 lks wide runs S.W.
18.30	Same 20 lks. wide runs North
21.70	Same 20 lks wide runs South
25.00	Same 20 lks wide runs N.E.
27.40	Same 20 lks wide runs S.W.
28.70	Same 20 lks. wide runs N.W.
30.00	Leave timber & enter bottom bearing N.W. & S.E.
40.00	Set a post for temporary quarter sec. corner.
45.00	Enter brush & timber bearing N.E. & S.W.
45.50	Stream 10 lks wide runs S.W. Leave bottom at Stream.
60.00	Ravine bearing North.
63.00	Leave brush & timber bearing N. & S.
80.20	Intersect N. & S. line 4.6 lks. North of the corner to Sections 21, 22, 27 & 28 from which I run West on a true line between Sections 21 & 28.

Township 3 N. of Range 13 E. 6th Prin. Mer.

Chains	
	Variation 11°25' East
* 40.10	Set a limestone 18 inches long, 9 inches wide & 3 inches thick for quarter Section corner
80.20	Corner to sections 20, 21, 28 & 29. Land chiefly bottom, 1st rate ~~rich~~ soil. Timber Bur Oak, Elm, Hickory Maple & Lynn. Undergrowth Hazel & Plum.
	November 27. 1856
	North between Sections 20 & 21
	Variation 12°35' East
8.00	Stream 10 lks. wide runs N.W.
8.70	A Bur Oak 25 in. diam.
9.00	Left timber bearing E & W. S.W. Wm Farrow lives in a cabin about 3.00 chains West
22.50	Ravine bearing West
23.00	Same bearing S.W.
24.30	Same bearing South

5 Exa Mcmullan & Doyle (33) 173 Copied Drawn [illegible] Exd - correct

√ Township 3 N. of Range 13 E. 6th Prin. Mer.

Chains	Compd
40.00	Set a limestone 20 inches long, 14 inches wide & 4 inches thick for quarter section corner.
52.40	Wagon road from Nemeha City to Big Blue, bearing N E & S.W.
80.00	Set a limestone 18 inches long, 13 inches wide & 3 inches thick for corner to sections 16, 17, 20 & 21. Land rolling. Soil 1st rate Timber Bur Oak, Elm Maple Hickory & Lynn. Undergrowth Hazel & Plum
	[illegible]
	East on a random line between Secs. 16 & 21
	Variation 11°30' East
9.00	Wagon road to Nemeha City bearing N & S.
19.00	Ravine bearing S.W. water in pools.
20.00	Ascend divide bearing N.E. & S.W.
38.00	Top of divide 50 feet high bearing N.W. & S.E.

Township 3 N. of Range 13 E. 6th Prin. Mer.

Chains	
40.00	Set a post for temporary quarter section corner.
	Descend divide bearing NW & S.E.
48.00	Ravine bearing N.W.
80.00	Intersect N & S. line 10 lks. North of the corner to sections 15, 16, 21 & 22, from which I run West on a true line, between sections 16 & 21.
	Variation 11°26' East
40.00	Set a limestone 20 inches long 18 inches wide & 2 inches thick for quarter section corner.
80.00	Corner to sections 16, 17, 20 & 21
	Land rolling. Soil 1st rate.
	North between sections 16 & 17.
	Variation 11°30' East.
40.00	Set a limestone 24 inches long, 12 inches wide & 4 inches thick for quarter section corner.
80.00	Set a limestone 16 inches long, 14

Township 3 N. of Range 13 E 6th Principal Meridian

Chains	
	inches wide & 2½ inches thick for corner to sections 8, 9, 16 & 17.
	Land gently rolling. 1st rate soil.
	East on a random line between sections 9 & 16
	Variation 11°30' East
40.00	Set a post for temporary quarter sec. corner.
62.50	Wagon road from Nemeha city to Big Blue bearing N E & S.W.
79.95	Intersect N & S. line 5 lks. North of the corner to sections 9, 10, 15 & 16, from which I run West on a true line, between sections 9 & 16.
	Variation 11°28' East
39.97½	Set a limestone 15 inches long, 10 inches wide & 4½ inches thick for quarter section corner.
79.95	Corner to sections 8, 9, 16 & 17
	Land rolling. Soil 1st rate.
	North between sections 8 & 9
	Variation 12°15' East.
19.00	Ravine bearing W.N.W.

Township 3 N. of Range 13 E. 6th Prin. Mer.

Chains	
40.00	Set a limestone 17 inches long, 11 inches wide & 3 inches thick for quarter section corner.
43.80	Ravine bearing West. water in pools.
45.00	Ravine bearing South.
45.70	Same bearing S.E.
46.50	Same bearing S.W.
46.70	Same bearing East
49.50	Same bearing West
	Scattering timber on ravine.
76.00	Indian trail bearing E & W.
80.00	Set a limestone 18 inches long, 15 inches wide & 3 inches thick for corner to Sections 4, 5, 8 & 9.
	Land rolling. Soil 1st rate.
	East on a random line between Secs. 4 & 9
	Variation 11°35' East
23.25	Ravine bearing South
40.00	Set a post for temporary quarter sec. corner
40.40	Indian trail bearing N.N.E & S.S.W.

Township 3 N. of Range 13 E. 6th Prin. Meridian

Chains	
80.18	Intersect N. & S. line 42 lks. North of the corner to sections 3, 4, 9 & 10, from which I run West on a true line, between sections 4 & 9.
	Variation 11°17' East.
40.09	Set a limestone 18 inches long, 16 inches wide & 3 inches thick for quarter section corner.
80.18	Corner to Section 4, 5, 8 & 9.
	Land rolling. Soil 1st rate.
	November 28, 1856.
	North on a random line between Sections 4 & 5.
	Variation 11°30' East.
40.00	Set a post for temporary quarter sec. corner.
63.00	Ravine bearing West.
74.00	Ravine bearing S.S.W.
79.76	Intersect Township line 100 lks. East of the corner to Section 4 & 5, from which I run South on a true line, between Sections 4 & 5.
	Variation 12°13' East.
39.76	Set a limestone 19 inches long, 9 inches wide & 5 inches thick for quarter sec.

Township 3 N. of Range 13 E. 6th Prin. Mer.

Chains	
	tion corner.
79.76	Corner to Sections 4.5.8 & 9
	Land rolling. Soil 1st rate.
	December 9, 1856
	North between sections 31 & 32
	Variation 13° East
40.00	Set a limestone 24 inches long, 14 inches wide & 4 inches thick for quarter section corner.
44.00	Enter Hazel thicket bearing N. W. & S. E.
45.00	Ravine bearing East
45.50	Same bearing West
48.30	Same bearing N. E.
48.50	Leave Hazel thicket bearing N. E. & S. W.
58.00	Enter timber bearing N. W. & S. E.
61.30	Dry bed of stream bearing S. E.
64.00	Leave timber bearing N. W. & S. E.
80.00	Set a limestone 24 inches, 13 inches wide & 4 inches thick for corner to sections 29.30.31 & 32.

Township 3 N. of Range 13 E. 6th Prin. Meridian

Chains	
	Land rolling. Soil 1st rate.
	Timber Bur. Oak, Walnut, Elm, Hackberry, Hickory, White Ash, Maple & Cottonwood. Undergrowth Prickly Ash, Hazel, Elm & Hickory.
	East on a random line between Secs. 29 & 32
	Variation 11°45' East.
40.00	Set a post for temporary quarter section corner.
69.50	Enter Long branch 40 lks. wide, runs East.
72.00	Leave same branch 40 lks. wide runs S. E.
79.84	Intersect N. & S. line 16 links South of the corner to sections 28.29.32 & 33. from which run West on a true line between Sections 29 & 32.
	Variation 11°52' East
39.92	Set a limestone 24 inches long, 10 inches wide & 4 inches thick for quarter section corner.
79.84	Corner to Sections 29.30.31 & 32.
	Land rolling. Soil 1st rate.

Township 3 N. of Range 13 E. 6th P'm. Mer.

Chains	
	West on a random line between Secs. 30 & 31
	Variation 11°45' East
7.00	Enter timber bearing N & S.
7.75	Drain 20 lks. wide bearing S. E.
8.50	Same 20 lks. wide bearing N E
11.00	Same 20 lks. wide bearing South
14.50	Leave timber bearing N.W. & S.E.
40.00	Set a post for temporary quarter section corner.
48.50	Ravine bearing North.
50.50	Ravine bearing N. E.
76.48	Intersect Range line 22 lks. North of the corner to sections 30 & 31 from which I run East on a true line. between sections 30 & 31.
	Variation 11°55' East.
36.48	Set a limestone 16 inches long, 10 inches wide & 3 inches thick for quarter Section corner.
76.48	Corner to Sections 29, 30, 31 & 32.

Township 3 N. of Range 13 E. 6th P'm. Mer.

Chains	
	Land rolling. Soil 1st rate. Timber Bur Oak Walnut, Elm Hackberry, Ash, Maple & Cottonwood Undergrowth Hazel Hickory, Elm & Prickly Ash.
	North between Sections 29 & 30.
	Variation 12°40' East.
40.00	Set a limestone 24 inches long, 9 inches wide & 4 inches thick for quarter section corner.
80.00	Set a limestone 24 inches long, 12 inches wide & 4 inches thick for corner to sections 19, 20, 29 & 30.
	Land rolling. Good Soil.
	East on a random line between Secs. 20 & 29
	Variation 11°45' East
40.00	Set a post for temporary quarter section corner.
41.00	Enter bottom bearing NW. & S.E.
55.00	Leave bottom & enter timber bearing N & S.
56.00	Long branch 70 lks. wide, runs S.E.

Township 3 N. of Range 13 E. 6th Prin. Mer.

Chains	
66.40	Stream 10 lks. wide, runs south.
76.50	Stream 10 lks. wide. runs S.W.
79.98	Intersect N & S. line 42 lks. North of the corner to sections 20, 21, 28 & 29, from which I run West on a true line, between Sections 20 & 29. Variation 11°27' East.
39.99	Set a limestone 24 inches long, 16 inches wide & 2 inches thick for quarter section corner.
79.98	Corner to Sections 19, 20, 29 & 30 Land rolling. Soil 1st rate. Timber Bur Oak Elm, Hickory, Walnut & Lynn. Undergrowth Hazel, Prickly Ash, Plum & Wahau. November 29. 1856.
	West on a random line between Secs. 19 & 30 Variation 11°35' East.
33.00	Ravine bearing S.W.
33.50	Wagon road from Nemaha City

Township 3 N. of Range 13 E. 6th Prin. Mer.

Chains	
	to Big Blue bearing N E & S.W.
40.00	Set a post for temporary quarter section corner.
44.00	Ravine bearing South.
67.00	Stream 15 lks. wide, runs S.E. Enter timber at stream.
73.00	Stream 15 lks. wide. runs N.W.
75.45	Intersect Range line 48 lks. South of the corner to Sections 19 & 30, from which I run East on a true line, between sections 19 & 30. Variation 11°13' East
35.45	Set a limestone 18 inches long, 10 inches wide & 9 inches thick for quarter section corner.
75.45	Corner to Sections 19, 20, 29 & 30. Land rolling. 1st rate Soil. Timber Bur Oak, Elm Walnut, Cottonwood & Hickory. Undergrowth Hazel Elm & Hickory. Silas Babcock lives in his cabin on the North West quarter of section 30. December 4, 1856.

Township 3 N. of Range 13 E. 6th Prin. Mer

Chains	
	North between Sections 19 & 20
	Variation 12° 25' East
6.60	Wagon road from Nemaha City to Big Blue, bearing E & W.
40.00	Set a limestone 26 inches long, 18 inches wide & 3 inches thick for quarter section corner.
41.50	Ravine bearing N. E.
72.00	Ravine bearing East
	Hazel & Willow along ravine
81.00	Set a limestone 25 inches long, 13 inches wide & 4 inches thick for corner to Sections 17, 18, 19 & 20.
	Land rolling. Soil 1st rate
	December 6, 1856.
	East on a random line between Secs. 17 & 20
	Variation 11° 20' East
19.90	Enter timber bearing N & S.
	Enter bottom at timber bearing N. & S.
22.30	Long branch 15 lks. wide, runs South

Township 3 N. of Range 13 E. 6th Prin. Mer

Chains	
23.30	North bend of Long branch. runs West.
23.90	Left same running W. S. W.
29.80	Left timber bearing N. & S.
40.00	Set a post for temporary quarter Sec. corner
68.00	Leave bottom bearing N.W. & S.E.
79.82	Intersect N & S. line 40 lks. North of the corner to Sections 16, 17, 20 & 21, from which I run West on a true line, between Sections 17 & 20.
	Variation 11° 3' East
39.91	Set a limestone 16 inches long, 14 inches wide & 3 inches thick for quarter section corner.
79.82	Corner to Sections 17, 18, 19 & 20.
	Land nearly level. Good soil.
	Timber Bur Oak, Elm, Walnut & Hackberry.
	West on a random line between Secs. 18 & 19
	Variation 11° 40' East.
40.00	Set a post for temporary quarter Sec. corner.

Township 3 N. of Range 13 E. 6th Prin. Mer.

Chains	
73.50	Ravine bearing S.W.
74.24	Intersect Range line 12 lks. South of the corner to sections 18 & 19, from which I run East on a true line, between sections 18 & 19.
	Variation 11°34' East.
34.24	Set a limestone 12 inches long, 10 inches wide & 9 inches thick for quarter section corner.
74.24	Corner to sections 17.18.19 & 20 Land rolling. 1st rate soil.
	North between Sections 17 & 18.
	Variation 11°35' East.
17.50	Ravine bearing N.E.
40.00	Set a limestone 19 inches long, 10 inches wide & 3 inches thick for quarter section corner.
54.30	Ravine bearing East.
74.50	Enter timber bearing N.W. & S.E.
75.50	Spring branch 10 lks. wide runs N.E.
77.00	Long branch 20 lks. wide. runs S.E.

Township 3 N. of Range 13 E. 6th Prin. Meridian.

Chains	
80.00	Set a limestone 20 inches long, 14 inches wide & 4 inches thick, for corner to sections 7.8. 17 & 18, from which
	An Elm 7 in. dia. bears N. ¼° W. 57 lks. distant
	A Walnut 12 in. dia. bears S. 83° W. 29 lks. distant
	An Elm 13 in. dia. bears S. 40° E. 44 lks. distant.
	An Elm 8 in. dia. bears N. 59° E. 81 lks. distant
	Land rolling. Soil 1st rate.
	Timber Bur Oak, Walnut, Hickory Elm and Lynn. Undergrowth Hickory & cherry.
	East on a random line between Secs. 8 & 17
	Variation 11°10' East
3.50	Left timber bearing N.W. & S.E.
19.50	Ravine bearing
20.00	Ascend divide bearing N & S.
27.00	Top of divide 40 feet high bearing N. & S.
30.00	Descend divide bearing N.E. & S.W.
35.00	Ravine bearing S.W.

Township 3 N. of Range 13 E. 6th P.m. Mer.

Chains	
40.00	Set a post for temporary quarter section corner.
80.45	Intersect N & S. line 4 lks. South of the corner to sections 8. 9. 16 & 17, from which 3 nms West on a true line between sections 8 & 17.
	Variation 11°12' East.
40.22½	Set a limestone 23 inches long, 11 inches wide & 3 inches thick for quarter section corner.
80.45	Corner to Sections 7. 8. 17 & 18. Land rolling; 1st rate soil. Timber Bur Oak, Walnut, Elm Hickory & Lynn. Undergrowth Hickory Elm & Cherry.
	West on a random line between Secs. 7 & 18.
	Variation 11°35' East.
0.60	Long branch 30 lks. wide, runs South.
2.00	Leave timber bearing N.W. & S.E.
40.00	Set a post for temporary quarter section corner.

Township 3 N. of Range 13 E. 6th P.m. Mer.

Chains	
73.98	Intersect Range line 23 lks. South of the corner to sections 7 & 18, from which 3 nms East on a true line, between sections 7 & 18.
	Variation 11°25' East.
33.98	Set a limestone 18 inches long, 8 inches wide & 3½ inches thick for quarter section corner.
73.68	Walnut 14 in. diam.
73.98	Corner to sections 7. 8. 17 & 18. Land rolling. Soil gravelly 2nd rate. Timber Bur Oak, Walnut, Elm, Lynn & Hickory. Under growth Elm & Cherry.
	December 7th 1856.
	North between Sections 7 & 8.
	Variation 11°50' East.
0.20	Long branch 20 lks. wide, runs W.S.W.
6.00	Long branch 30 lks. wide runs S.E.
20.18	Long branch 25 lks wide runs N.W.
26.50	Leave timber bearing N.W. & S.E.
33.00	Trail bearing N.E. & S.W.

Township 3 N. of Range 13 E. 6th P.M. Mer.

Chains	
36.00	Enter timber bearing N.W. & S.E.
37.50	Long branch 20 lks. wide. runs S.E.
39.00	Leave timber bearing N.W. & S.E.
40.00	Set a limestone 19 inches long, 12 inches wide & 4 inches thick for quarter section corner.
43.50	Ravine bearing East. water in pools.
60.00	Enter timber bearing N.E. & S.W.
63.50	Spring branch 10 lks. wide, runs S.W.
65.00	Spring branch 5 lks. wide runs N.W.
66.00	Leave timber bearing N.E. & S.W.
80.00	Set a limestone 19 inches long. 9 inches wide & 3 inches thick for corner to sections 5.6.7 & 8 Land rolling. 1st rate soil. Timber Walnut Hickory Maple & Elm. Undergrowth Hazel & Plum

East on a random line between Secs. 5 & 8.
Variation 11°20' East

Chains	
3.00	Ravine bearing S.W.

Township 3 N. of Range 13 E. 6th P.M. Mer.

Chains	
	Scattering Bur Oaks along ravine
40.00	Set a post for temporary quarter section corner.
79.48	Intersect N. & S. line at the corner of sections 4.5.8 & 9, from which corner 3 mm. West on a true line between Sections 5 & 8.

Variation 11°20' East

Chains	
39.74	Set a limestone 20 inches long, 9 inches wide & 3 inches thick for quarter section corner.
79.48	Corner to sections 5.6.7 & 8 Land rolling. Soil mixed with pebbles & flint stone. 2nd rate.

West on a random line between Secs. 6 & 7.
Variation 11°20' East

Chains	
39.00	Enter timber bearing N.W. & S.E.
39.95	Long branch 30 lks. wide runs S.W.
40.00	Set a post for temporary quarter section corner in Long branch. Long branch runs S.W.
42.00	Leave timber bearing N.E. & S.W.
64.00	Enter Timber bearing N.E. & S.W.

Township 3 N. of Range 13 E. 6th Prin. Mer.

Chains	
66.00	Spring branch 10 lks. wide runs N.E.
67.40	Spring branch 15 lks wide runs S.E.
69.00	South bend of same runs N.E.
70.00	Leave same runs E. S. E.
73.98	Intersect Range line 40 lks. North of the corner to Sections 6 & 7, from which Town East on a true line, between Sections 6 & 7
	Variation 11°38' East.
33.98	Set a limestone 19 inches long, 9 inches wide & 3 inches thick on S.E. bank of Long branch for quarter Sec. corner, from which
	An Elm 6 in. dia. bears N. 55° E. 10 lks. distant
	A Hickory 12 in dia. bears S. 60° E. 22 lks. distant
73.98	Corner to Sections 5. 6. 7 & 8.
	Land broken & stony. Soil 2nd rate.
	Timber Bur Oak, Walnut, Hickory, Elm, Ash & Hackberry.
	Undergrowth Prickly Ash, Hickory & Cherry. December 8. 1856.

Township 3 N. of Range 13 E. 6th Prin. Mer.

Chains	
	North on a random line between Sections 5 & 6.
	Variation 10°25' East.
40.00	Set a post for temporary quarter section corner.
40.50	Ravine bearing West
74.00	Enter a scrubby Post Oak grove bearing E & W.
	Some scattering Bur Oaks West of line.
79.56	Intersect Township line 86 lks. East of the corner to Sections 5 & 6, from which Town South on a true line, between Sections 5 & 6.
	Variation 11°2' East
39.56	Set a limestone 22 inches long, 10 inches wide & 2½ inches thick for quarter section corner
79.56	Corner to Sections 5. 6. 7 & 8.
	Land rolling. Soil good 2nd rate.
	December 9. 1856.

Township 3 N. of Range 13 E. 6th Prin. Mer.

General Description.

The land in this Township is excellent for agricultural purposes.

Nearly all, excepting the rich bottoms of Long branch, consists of a succession of gently sloping hills which I call rolling & 1st rate soil.

The timber is chiefly of an inferior quality of Bur Oak Walnut. Hickory, Elm, Ash & Hackberry

There is not sufficient timber to supply the wants of farmers excepting in the vicinity of Long branch

Limestone is abundant generally.

There are five Settlers in the Township Mr. Scott lives where the road from Archer to Big Blue, crosses Long branch. Mr. Silas Babcock lives on the N.W. 1/4 of Section 30 on the road from Nemeha City to Big Blue.

Township 3 N. of Range 13 E. 6th Prin. Mer.

Messrs. Furnow, Purcell & Carlette all live on the S.E. 1/4 of section 20 near the road from Nemeha City to Big Blue.

List of Names.

A list of the names of the individuals employed to assist in running, measuring or marking the lines & corners described in the foregoing field notes of Township No. 3 North of the baseline of Range No. 13 West of the 6th Principal Meridian, showing the respective capacities in which they acted:

John P. Graves Chainman
Israel G. Pearce Chainman
Wm W. Hall. flagman & Cornermaker
Edward Williams flagman
Wm M. Elliott flagman & axeman

We hereby certify that we assisted Wm. H. Godwin, deputy Surveyor in surveying the subdivision lines in Township No. 3 North of Range No. 13 East of the 6th Prin. Meridian, and that said Township has been in all respects, to the best of our knowledge & belief, well and faithfully surveyed, and the boundary monuments planted according to the instructions furnished by the Surveyor General.

J. S. Gray Chainman
Israel F. Beard Chainman
Wm. W. Hall flagman & commander
Edward Williams flagman
William M. Elliott flagman & axeman

Subscribed and sworn to by the above named persons, before me, a Justice of the Peace for the County of Nemaha in the

Territory of Nebraska this 5th day of January A.D. 1857

Willis Hill
Justice of the Peace

I, Wm. H. Godwin, deputy surveyor, do solemnly swear that, in obedience to the instructions of John Calhoun, Surveyor General of the public lands of the United States in the Territories of Kansas and Nebraska, bearing date the 31st day of October A.D. 1856, and in strict conformity to the laws of the United States and the instructions furnished by the said Surveyor General, I have faithfully surveyed all the subdivision lines of Township No. 3 North of the Base line of Range 13 East of the 6th Principal Meridian in the Territory of Nebraska, and do further solemnly swear that the

~~that the~~ foregoing are the true and original field notes of such survey.

Wm. H. Godwin

Deputy Surveyor

Subscribed by said Wm. H. Godwin deputy surveyor, and sworn to before me, a Justice of the Peace for Nemaha County, in the Territory of Nebraska, this 5th day of January A.D. 1857.

Willis Hill

Justice of the Peace

6

(2) Copied

4

199

Drawn I.S.

Exa McMullan & Doyle

Des. list made out

D.L. Compd Brooks

✓ Resurvey of Township No. 4 North of Range No. 13 East 6th Principal Meridian, Nebraska Territory.

Commenced December 11, 1856

Finished December 25, 1856.

Surveyed by Wm H. Godwin I.S.

Des

Exd — Correct

March 13th 1857

Names and duties of all persons who assisted in the resurvey of Township No. 4 N. of Range No. 13 E. of the 6th Principal Meridian, Nebraska Territory.

John P. Graves Chainman
Israel F. Pearce Chainman
Wm W. Hall flagman & Chainman
Edward Williams flagman and Cornermaker.
Wm M. Elliott flagman & axeman

Resurvey
Township 4 N Range 13 E.

Township 4 N. of Range 13 E. of the 6th P.M. Mer.

Chains

To determine the proper adjustment of my compass (Burt's solar) for subdividing this Township I commence at the corner of Sections 1.2.35 & 36, thence East,

Variation 12°25' East

39.95 To a point 27 lks. North of the quarter sec. corner on the South side of sec. 36.

79.85 Intersect Range line 56 lks. North of the S.E. corner of the Township.

To trace the Township line my compass must be adjusted to a Variation 12° 1' East

Began again at the S.E. corner of the Township, thence North, on E. bdy of Sec 36

Variation 12°30' East

39.86 To a point 2 lks. East of the quarter section corner on the East side of section 36

79.76 To a point 4 lks. East of the corner to secs. 30.31.25 & 36

To trace the Range line my compass must be adjusted to a Variation of 12°32' East

Township 4 N. of Range 13 E. 6th P.M. Mer.

Chains	
	Subdivision commenced December 11. 1836.
	North between Sections 35 & 36.
	Variation 12° 10' East
6.30	Ravine bearing N. E.
22.50	Ravine " East
	Scattering timber on ravine.
40.00	Set a limestone 16 inches long, 11 inches wide & 3 inches thick for quarter section corner. Three lks. S. E. of true corner was a sod mound not exceeding one cubic foot in size.
52.00	Enter timber bearing N.W. & S.E.
52.70	Stream 15 lks. wide, runs East.
54.80	Same 15 lks. wide runs S.W
56.25	Same 15 lks. wide runs S. E.
57.00	Left timber bearing N.W. & S. E.
80.00	Set a limestone 30 inches long, 7 inches wide & 4 inches thick for corner to Sections 25, 26, 35 & 36.
	Small sod mound without any

Township 4 N. of Range 13 E. 6th P.M. Mer.

Chains	
	post 10 links East of true corner.
	Land rolling. Soil 1st rate.
	Timber Bur Oak, Elm, Ash & Box Elder,
	Undergrowth Box Elder & Sumac.
	East on a random line between Secs. 25 & 36.
	Variation 11° 50' East.
40.00	Set a post for temporary quarter Sec. corner
40.22	Mound of sod 47 lks North, which I destroyed as I always do.
71.35	Ravine bearing N. E.
78.00	Enter Ravine bearing East.
79.90	Intersect Range line 9 lks. South of the corner to Secs. 25 & 36, from which I run West on a true line, between Sections 25 & 36.
	Variation 11° 54' East
39.95	Set a limestone 23 inches long, 12 inches wide & 3 inches thick for quarter section corner.
79.90	Corner to Sections 25, 26, 35 & 36.
	Land rolling. Soil 1st rate

Township 4 N. of Range 13 E. 6th P.M. Mer.

Chains

North between Sections 25 & 26.

Variation 12°10' East.

40.00 Set a limestone 18 inches long, 12 inches wide & 4 inches thick for quarter section corner. Stake in mound 20 lks. N.W.

80.00 Set a limestone 21 inches long, 8 inches wide & 4 inches thick for corner to Secs. 23.24.25 & 26. Stake in mound 41 lks. N.W. No marks on stake.

Land rolling. 1st rate soil.

East on a random line between Secs. 24 & 25

Variation 11°45' East

26.50 Ravine bearing N.E.

40.00 Set a post for temporary quarter sec. corner.

80.07 Intersect Range line 42 lks. North of the corner to Sections 24 & 25, from which 2 mm West on a true line, between Sections 24 & 25

Variation 11°28' East.

4003½ Set a limestone 18 inches long, 9 inches wide & 3 inches thick for quarter

Township 4 N. of Range 13 E. 6th P.M. Mer.

Chains

Section corner.

40.23 Stake in mound 8 lks. North

80.07 Corner to Sections 23.24.25 & 26.

Land gently rolling. 1st rate soil.

December 11, 1856.

North between Sections 23 & 24.

Variation 11°36' East.

19.00 Ravine bearing S.E. water in pools

40.00 Set a limestone 18 inches long, 13 inches wide & 5 inches thick for quarter section corner.

Stake in mound 34 lks. W.N.W.

54.00 Ravine bearing N.E.

64.00 Ravine " S.E.

80.00 Set a limestone 18 inches long, 14 inches wide & 4 inches thick for corner to sections 13.14.23 & 24. Stake in mound 50 lks. N.W.

Land rolling. Soil 1st rate.

East on a random line between sections 13 & 24

Variation 11°33' East.

4.00 Set a post for temporary quarter section corner.

Township 3 N. of Range 13 E. 6th P.m. Mer.

Chains	
51.00	Ravine bearing South. water in pools.
80.38	Intersect Range line 84 lks. North of the corner to Sections 13 & 24 from which I run West on a true line, between Sections 13 & 14.
	Variation 10°57' East
40.19	Set a limestone 22 inches long, 10 inches wide & 2½ inches thick for quarter section corner.
	Stake in mound N. 27° W. 115 lks. dist.
80.38	Corner to Sections 13, 14, 23 & 24.
	Land rolling, Soil 1st rate.
	North between Sections 13 & 14.
	Variation 11°18' East
40.00	Set a limestone 18 inches long, 10 inches wide & 6 inches thick for quarter section corner.
	Stake in mound 78 lks. West.
80.00	Set a limestone 20 inches long, 13 inches wide & 2 inches thick for corner to sections 11, 12, 13 & 14.

Township 3 N. of Range 13 E. 6th P.m. Meridian

Chains	
	Stake in mound N. 77° W. 111 links.
	Land rolling, Soil 1st rate.
	East on a random line between Secs. 12 & 13.
	Variation 11°00' East.
30.00	Enter bottom bearing N. & S.
33.00	Slough 125 lks. wide bearing N. & S.
40.00	Set a post for temporary quarter sec. corner.
80.12	Intersect Range line 8 lks. South of the corner to Sections 12 & 13, from which I run West on a true line, between Sections 12 & 13.
	Variation 11°3' East.
40.06	Set a limestone 15 inches long, 10 inches wide & 5 inches thick for quarter sec. corner
	Stake in mound 130 lks. distant N.W.
80.12	Corner to Sections 11, 12, 13 & 14.
	Land rolling & 2nd rate Soil excepting bottom which is level & 1st rate Soil.
	North between Sections 11 & 12.
	Variation 11°40' East.
39.00	Enter bottom ~~bottom~~ bearing N.W. & S.E.

Township 4 N. of Range 13 E. 6th Prin. Mer.

Chains	
4.00	Set a limestone 19 inches long, 10 inches wide & 3 inches thick in bottom for quarter section corner. Stake in mound 133 lks. distant W. N.W.
56.00	Enter timber bearing N.W. & S.E.
60.20	Muddy Creek 40 lks. wide runs S.E.
61.00	Leave timber bearing N.W. & S.E.
62.50	Ravine bearing S.E.
80.00	Set a limestone 20 inches long, 12 inches wide & 5 inches thick for corner to Sections 1, 2, 11 & 12. Stake in mound N. 75° W. 153 lks. distant. Land south of bottom rolling & 2nd rate soil. Bottom 1st rate. Timber Box Elder & Red Elm. Undergrowth Plum & Willow.

East on a random line between Secs. 1 & 12.

Variation 11° 30' East.

39.25	Ravine bearing S.E. water in pools
40.00	Set a post for temporary quarter Sec. corner

Township 4 N. of Range 13 E. 6th Prin. Mer.

Chains	
79.00	Ravine bearing South.
80.21	Intersect Range line 19 lks. North of the corner to Sections 1 & 12, from which corner I run West on a true line, between Sections 1 & 12.

Variation 11° 22' East.

40.10½	Set a limestone 16 inches long, 12 inches wide and 3½ inches thick for quarter section corner.
80.21	Corner to Sections 1, 2, 11 & 12. Land gently rolling. Soil 1st rate.

North on a true line between Sections 1 & 2

Variation 11° 50' East.

3.00	Leave bottom & ascend divide bearing N.W. & E.
15.00	Top of divide 40 feet high bearing E. & W.
17.00	Descend divide bearing N.W. & S.E.
22.50	Ravine bearing West.
40.00	Set a limestone 24 inches long, 12 inches wide & 2½ inches thick for quarter section corner. Stake in mound N. 77° W. 150 lks. distant.

Township 4 N. of Range 13 E. 6th Prin. Mer.

Chains	
46.00	Ravine bearing West.
55.00	Ravine " West.
64.75	Wagon road to Nemeha City bearing N.E. & S.W.
67.50	Ravine bearing West.
85.87	Intersect the 1st Standard Parallel North of the Base line 10.04 chains West of the corner to Sections 35 & 36 and set a limestone 17 inches long, 15 inches wide & 3 inches thick for the corner to Sections 1 & 2, called the 'closing corner' on the Parallel. Stake in mound S. 88° W. 174 lks. distant. Land gently rolling. Soil 1st rate. December 12, 1856.

North between Sections 34 & 35.
Variation 12° 20' East

Chains	
16.00	Ravine bearing S.E.
40.00	Set a limestone 20 inches long, 10 inches wide & 3 inches thick for quarter section corner.

Township 4 N. of Range 13 E. 6th Prin. Mer.

Chains	
79.78	Spring branch 10 lks. wide. runs East. Scattering timber on margin of stream
80.00	Set a limestone 19 inches long, 9 inches wide & 4 inches thick on North side of branch for corner to sections 26. 27. 34 & 35. Land rolling. Soil 1st rate

East on a random line between Sections 26 & 35.
Variation 12° 00' East.

Chains	
9.75	Spring branch 10 lks. wide, runs N.E.
12.00	Same branch 10 lks. wide runs South. Timber on margin of stream.
13.30	Same stream runs N.W.
14.00	Same stream runs S.W.
17.00	Same stream runs North
40.00	Set a post for temporary quarter sec. corner.
50.00	Spring branch 20 lks. wide. runs South.
58.50	Spring branch 20 lks. wide runs N.E.
65.50	Spring branch 20 lks wide runs South
80.00	Intersect N & S. line 22 lks. South of the corner to Sections 25. 26. 35 & 36, from

Township 4 N. of Range 13 E. 6th Principal.

Chains	
	which I run West on a true line, between Sections 26 & 35.
	Variation 12°9' East
4.00	Set a limestone 18 inches long, 10 inches wide & 3 inches thick for quarter section corner.
8.00	Corner to Sections 26. 27. 34 & 35.
	Land chiefly level. 1st rate soil.
	December. 14. 1856.
	North between Sections 26 & 27.
	Variation 12°26' East
0.17	Stake in mound. No marks on stake
28.50	Ravine bearing S.E. a few trees on ravine
40.00	Set a limestone 30 inches long. 6 inches wide & 6 inches thick for quarter section corner.
	Stake in mound N. 30° E. 28 lks. distant
80.00	Set a limestone 18 inches long, 11 inches wide & 6 inches thick for corner to Sections 22. 23. 26 & 27.
	Stake in mound about 65 lks. dist. NW.

Township 4 N. of Range 13 E. 6th Principal.

Chains	
	Land rolling. Soil gravelly & poor 2nd rate.
	East on a random line between Sections 23 & 26.
	Variation 12°00'
35.00	Ravine bearing North.
40.00	Set a post for temporary quarter Sec. corner
52.00	Ravine bearing N.E.
74.00	Ravine " N.E.
79.94	Intersect N. & S. line 11 lks. North of the corner to Sections 23. 24. 25 & 26, from which I run West on a true line, between Sections 23 & 26.
	Variation 11°55' East
39.97	Set a limestone 17 inches long, 11 inches wide & 3 inches thick for quarter section corner.
	Stake in mound N. 12° W. 169 lks. distant
79.94	Corner to Sections 22. 23. 26 & 27.
	Land rolling. Soil poor 2nd rate.
	Some sandstone & red flint in soil.
	North between Sections 22 & 23.
	Variation 12°00' East.

Township 4 N. of Range 13 E. 6th Prin. Mer.

Chains	
6.00	Ravine bearing N.E.
4.00	Set a limestone 19 inches long, 14 inches wide & 2½ inches thick for quarter section corner.
	Stake in mound N. 52° W. 117 lks. dist.
8.00	Set a limestone 27 inches long, 14 inches wide & 2½ inches thick for corner to sections 14, 15, 22 & 23.
	Stake in mound bears N. 55° W. 151 lks. distant.
	Land rolling. Soil 2nd rate.
	East on a random line between Secs. 14 & 23.
	Variation 12° 00' East.
4.00	Set a post for temporary quarter sec. corner.
51.50	Ravine bearing S.E.
79.77	Intersect N & S. line 12 lks. North of the corner to sections 13, 14, 23 & 24, from which 3 min. West on a true line, between sections 14 & 23.
	Variation 11° 55' East.
39.88½	Set a limestone 24 inches long, 11 inches wide & 2½ inches thick for

Township 4 N. of Range 13 E. 6th Prin. Mer.

Chains	
	quarter section corner.
	Mound bears N. 30° W. 22 lks. distant.
79.77	Corner to Sections 14, 15, 22 & 23.
	Land rolling. Soil 2nd rate.
	North between sections 14 & 15.
	Variation 11° 55' East.
10.00	Ravine bearing S.E.
4.00	Set a limestone 19 inches long, 12 inches wide & 2½ inches thick for quarter section corner.
	Mound about 18 lks. distant N.W.
8.00	Set a limestone 24 inches long, 8 inches wide & 3 inches thick for corner to sections 10, 11, 14 & 15.
	Stake in mound about 2.50 lks. dist. N.W.
	Land rolling. Soil 2nd rate.
	East on a random line between Sections 11 & 14
	Variation 12° 5' East
34.00	Ravine bearing North.
4.00	Set a post for temporary quarter sec. corner.

Township 4 N. of Range 13 E. 6th P. M. Mer.

Chains	
67.00	Ravine bearing N.W.
79.80	Intersect N. & S. line 38 lks. North of the corner to Sections 11.12.13 & 14, from which I run West on a true line, between sections 11 & 14.
	Variation 11° 49' East
39.90	Set a limestone 25 inches long, 7 inches wide & 2½ inches thick for quarter section corner.
79.80	Corner to Sections 10.11.14 & 15. Land rolling Soil 2nd rate.
	December 15. 1856.
	North between Sections 10 & 11.
	Variation 11° 35' East
29.20	Ravine bearing N. E.
40.00	Set a limestone 14 inches long, 14 inches wide & 7 inches thick for quarter section corner.
	Stake in mound about 3.00 chains N.W.
54.00	Enter timber bearing E. & W.
54.00	Stream 10 lks. wide runs East.

Township 4 N. of Range 13 E. 6th P. M. Mer.

Chains	
55.00	Leave timber bearing E. & W.
78.50	Enter timber bearing East & N.W.
78.75	Muddy creek 20 lks wide runs S.E.
79.90	Muddy Creek 22 lks. wide. runs West & soon turns S.E.
80.00	Corner to sections 2.3.10 & 11 in creek. I set a limestone 24 inches long, 10 inches wide & 6 inches thick, 50 links North of the true corner, for a witness corner to Sections 2.3.10 & 11, from which
	An Elm 6 in dia. bears S. 16° E. 71 lks. distant
	An Elm 8 in dia. bears S. 20° W. 72 lks. distant
	An Ash 12 in dia. bears N. 88½° W. 118 lks. distant
	An Elm 30 in dia. bears N. 55½° E. 115 lks. distant
	Land on 1st half mile rolling & 2nd rate. North half mile 1st rate bottom. Timber B. Oak. Elm, Walnut, Hickory, Ash & Honey Locust. Undergrowth Hazel, Willow, Box Elder Hickory & Gruenbrier.

Township 4 N. of Range 13 E. 6th P.M. Mer.

Chains	
	East on a random line between Secs. 2 & 11
	Variation 11°40' East
3.00	Leave Muddy Creek, runs West.
16.00	Leave Timber bearing NW & S.E.
40.00	Set a post for temporary quarter sec. corner
	Mound about 3.00 chains distant N.W.
71.00	Ravine bearing South.
80.06	Intersect N & S. line 45 lks. North
	of the corner to sections 1, 2, 11 & 12,
	from which I run West on a true line, between Sections 2 & 11.
	Variation 11°21' East.
40.03	Set a limestone 20 inches long, 11
	inches wide & 6 inches thick for
	quarter section corner.
80.06	Corner to Sections 2, 3, 10 & 11.
	Land chiefly bottom 1st rate soil.
	Timber Walnut, Elm, Hickory
	Bur Oak & Locust.
	Undergrowth Hazel Willow, Box
	Elder, Hickory & Grapevine.

Township 4 N. of Range 13 E. 6th P.M. Mer.

Chains	
	North on a true line between Sections 2 & 3.
	Variation 11°30' East
0.50	To a limestone for witness corner to
	Sections 2, 3, 10 & 11.
3.00	Muddy Creek 18 lks. wide runs S.S.E.
4.00	Leave Stream . . . . SSE
5.00	Leave timber bearing S.S.E
15.00	Enter timber bearing E & S.W.
16.65	Muddy Creek 15 lks. wide runs West.
18.14	A Bur Oak 11 in. dia.
19.00	Bank of Stream 20 feet high
19.50	Muddy Creek 20 lks. wide runs East.
23.00	Leave timber bearing E & N.W.
40.00	Set a limestone 24 inches long, 13 inches
	wide & 4 inches thick for quarter
	section corner.
	Mound about 4.00 chains distant N.W.
85.46	Intersect 1st Standard Parallel
	North of the Base line 9.82 Chains
	West of the Corner to Sections 34 & 35

Township 4 N. of Range 13 E. 6th Prin. Mer.

Chains

on the Parallel & set a limestone 17 inches long, 15 inches wide and 3 inches thick for the corner to Sections 2 & 3 on the Parallel.

Mound bears S. 87° W. 4.50 chains distant.

Land rolling North of bottom.

Soil 1st rate.

December 17, 1857.

North between Sections 33 & 34

Variation 12° 10' East.

40.00 Set a limestone 16 inches long, 11 inches wide & 3½ inches wide for quarter section corner.

Mound bears N. 64° W. 32 lks. distant.

65.50 Ravine bearing N. E.

66.50 Ravine bearing N.W.

71.50 Ravine " East.

80.00 Set a limestone 18 inches long, 10 inches wide & 5 inches thick for corner to Sections 27, 28, 33 & 34.

Township 4 N. of Range 13 E. 6th Prin. Mer.

Chains

Land rolling. Soil 2nd rate.

East on a random line between Secs. 27 & 34

Variation 12° 20' East.

0.22 Ravine bearing S.S.E.

25.28 Ravine " South

40.00 Set a post for temporary quarter Sec. corner

78.03 Spring branch 8 lks. wide runs N.E.

79.50 Same " " " runs E.S.E.

79.80 Intersect N. & S. line 12 lks. South of the corner to Sections 26, 27, 34 & 35, from which 9 run West on a true line, between Sections 27 & 34.

Variation 12° 25' East.

39.90 Set a limestone 17 inches long, 10 inches wide & 3 inches thick for quarter section corner

79.80 Corner to Sections 27, 28, 33 & 34.

Land level. Soil 1st rate.

North between Sections 27 & 28.

Variation 12° 15' East.

1.00 Ravine bearing S.S.E.

Township 4 N. of Range 13 E. 6th Prin. Mer.

Chains	
40.00	Set a limestone 18 inches long, 11 inches wide & 3 inches thick for quarter Section corner
	Mound bears N. 62° W. 63 lks. distant
52.00	Ravine bearing East
80.00	Set a limestone 17 inches long, 12 inches wide & 3 inches thick for corner to Sections 21, 22, 27 & 28.
	Stake in mound bears N. 60° W. 78 lks. dist.
	Land rolling. 2nd rate Soil

East on a random line between Secs. 22 & 27

Variation 12° 15' East.

16.00	Ravine bearing South
19.00	Ravine " S.W.
40.00	Set a post for temporary quarter Sec. Corner.
56.00	Ravine bearing S.W.
80.32	Intersect N & S. line 52 lks. North of the corner to Sections 22, 23, 26 & 27, from which I run West on a True line, between Sections 22 & 27.

Variation 11° 53' East.

Township 4 N. of Range 13 E. 6th Prin. Meridian

Chains	
40.16	Set a limestone 20 inches long, 14 inches wide & 3 inches thick for quarter Sec. Corner.
	Mound 100 chain N.W.
80.32	Corner to Sections 22, 23, 26 & 27.
	Land rolling. Soil 2nd rate.

North between Sections 21 & 22.

Variation 12° 00' East.

2.50	Ravine bearing South.
14.50	Ravine bearing East.
40.00	Set a limestone 20 inches long, 9 inches wide & 3 inches thick for quarter Section corner.
	Mound 105 lks. West
80.00	Set a limestone 18 inches long, 10 inches wide & 5 inches thick for corner to sections 15, 16, 21 & 22.
	Stake in Mound bears N. 64° W. 148 lks. dist.
	Land rolling. Soil 1st rate

December 16, 1856.

Township 4 N. of Range 13 E. 6th Prin. Mer.

Chains	
	East on a random line between Secs. 15 & 22
	Variation 11°55' East.
31.50	Ravine bearing N.N.E.
40.00	Set a post for temporary quarter sec. corner.
47.00	Ravine bearing North.
74.50	Ravine " North
80.37	Intersect N. & S. line 31 lks South of the corner to Sections 14, 15, 22 & 23, from which I run West on a true line, between Sections 15 & 22.
	Variation 12°8' East
40.18½	Set a limestone 18 inches long, 15 inches wide & 4 inches thick for quarter section corner.
80.37	Corner to Sections 15, 16, 21 & 22
	Land rolling. Good 2nd rate.
	North between Sections 15 & 16
	Variation 11°10' East
40.00	Set a limestone 17 inches long, 10 inches wide & 3 inches thick for quarter section corner.

Township 4 N. of Range 13 E. 6th Prin. Mer.

Chains	
47.00	Ravine bearing N.W.
78.50	Top of divide bearing N.W. & S.E.
80.00	Set a limestone 17 inches long, 11 inches wide & 6 inches thick for corner to Sections 9, 10, 15 & 16.
	Mound about 3.00 chains N.W.
	Land rolling. Soil 1st rate.
	East on a random line between Secs. 10 & 15.
	Variation 11°15' East.
36.50	Mound about 250 lks to the North.
37.00	Ravine bearing N.W.
40.00	Set a post for temporary quarter sec. corner.
55.00	Ravine bearing N.W.
80.07	Intersect N. & S. line 15 lks. South of the corner to Sections 10, 11, 14 & 15, from which I run West on a true line, between Sections 10 & 15.
	Variation 11°21' East.
40.03½	Set a limestone 16 inches long, 10 inches wide & 5 inches thick for quarter section corner.

Township 4 N. of Range 13 E. 6th Prin. Mer.

Chains

80.07 Corner to sections 9, 10, 15 & 16.
Land rolling. Soil 1st rate.
Mr. Wm. W. Hall acted in the capacity of Chainman after this date, in the place of Mr. Pearce, because the latter was too badly frozen to travel.
December 17. 1856.

North between sections 9 & 10
Variation 11°30' East.

40.00 Set a limestone 22 inches long, 8 inches wide & 3½ inches thick for quarter sec. corner.
Mound about 150 lks. N.W.

54.25 Stream 10 lks. wide runs E. N. E.
Scattering timber on ~~on~~ stream.

80.00 Set a limestone 17 inches long, 11 inches wide & 3 inches thick for corner to sections 3, 4, 9 & 10. Mound 2.00 chains N.W.
Land rolling. Soil 1st rate.

Township 4 N. of Range 13 E. 6th Prin. Meridian

Chains

East on a random line between Secs. 3 & 10.
Variation 11°30' East.

19.00 Ravine bearing South.

38.00 Ravine bearing South.

40.00 Set a post for temporary quarter section corner.

77.75 Enter timber bearing N.W. & S.E.

79.64 Intersect N. & S. line 50 lks. South of the true corner to sections 2, 3, 10 & 11, from which I run West on a true line, between sections 3 & 10.
Variation 11°51' East.

39.82 Set a limestone 13 inches long, 12 inches wide & 4 inches thick for quarter section corner.

79.64 Corner to sections 3, 4, 9 & 10.
Land high & rolling. Soil 1st rate.

North on a true line between sections 3 & 4.
Variation 12°10' East.

40.00 Set a limestone 20 inches long, 12 inches wide & 3 inches thick for quarter section corner.

Township 4 N. of Range 13 E. 6th Prin. Mer.

Chains	
	Old mound is about 5.00 chains N.W. of true corner
85.53	Intersect Standard Parallel 9.44 chains West of the corner to Sections 33 & 34 on the Parallel, and set a limestone 19 inches long, 10 inches wide & 4 inches thick for the corner to Sections 3 & 4 on the Parallel.
	Land rolling. Soil 1st rate.
	December 20. 1856.
	North between Sections 32 & 33.
	Variation 11°15' East.
20.00	Ravine bearing N.W.
40.00	Set a limestone 15 inches long, 8 inches wide & 5 inches thick for quarter section corner.
	Mound N.W. 40 lks. distant
80.00	Set a limestone 19 inches long, 11 inches wide & 4 inches thick for corner to Sections 28, 29, 32 & 33.

Township 4 N. of Range 13 E. 6th Prin. Mer.

Chains	
	Mound N.W. 75 lks. distant
	Land rolling. Soil 1st rate.
	East on a random line between Sections 28 & 33.
	Variation 11°30' East
40.00	Set a post for temporary quarter sec. corner
79.86	Intersect N. & S. line 22 lks. South of the corner to Sections 27, 28, 33 & 34, from which I run West on a true line, between Sections 28 & 33.
	Variation 11°39' East
39.93	Set a limestone 16 inches long, 8 inches wide & 5 inches thick for quarter section corner.
	Mound N.W. about 100 lks. distant.
79.86	Corner to Sections 28, 29, 32 & 33.
	Land rolling. Soil 1st rate.
	North between Sections 28 & 29.
	Variation 11°40' East.
40.00	Set a limestone 19 inches long, 10 inches wide & 3 inches thick for quarter section corner.

Township 4 N. of Range 13 E. 6th Prin. Mer.

Chains	
	Mound N.W. about 150 lks. distant
80.00	Set a limestone 18 inches long, 9 inches wide & 4½ inches thick for corner to Sections 20. 21. 28 & 29.
	Mound N.W. about 2.00 chains distant
	Land rolling. Soil 1st rate.
	East on a random line between Secs. 21 & 28.
	Variation 11°40' East.
10.00	Ravine bearing N.W.
40.00	Set a post for temporary quarter section corner.
79.50	Intersect N & S. line 20 lks. South of the corner to Sections 21. 22. 27 & 28, from which I run West on a true line, between Sections 21 & 28.
	Variation 11°49' East.
39.75	Set a limestone 17 inches long, 10 inches wide & 3 inches thick for quarter section corner.
	Mound N.W. about 250 lks. distant
79.50	Corner to Sections 20. 21. 28 & 29.

Dec. List made out
Brooks
Copied

(33)
233
Drawn
D.S.

Township 4 N. of Range 13 E. 6th Prin. Mer.

Ex. McMullan & Doyle
D.S. Compd.

Chains	
	Land rolling. Soil 1st rate.
	North between Sections 20 & 21.
	Variation 11°45' East
40.00	Set a limestone 14 inches long, 12 inches wide & 3½ inches thick for quarter section corner.
	Mound N.W. about 2.00 chains distant
62.00	Spring branch, 10 lks. wide, runs East.
80.00	Set a limestone 15 inches long, 11 inches wide & 5 inches thick for corner to Sections 16. 17. 20 & 21.
	Mound N.W. about 3.00 chains distant.
	Land rolling. Soil 1st rate.
	December 18. 1856.
	East on a random line between Secs. 16 & 21
	Variation 11°45' East.
17.00	Enter brush & timber bearing N.E. & S.W.
21.80	Stream 10 lks. wide, runs N.E.
24.00	Leave timber bearing N.E. & S.W.
34.00	Enter ravine bearing N.E.

Township 4 N. of Range 13 E. 6th P.M. Mer.

Chains	
37.00	Leave ravine bearing N.W.
40.00	Set a post for temporary quarter section corner.
79.80	Intersect N & S. line 32 lks. South of the corner to sections 15.16.21 & 22, from which I run West on a true line, between sections 16 & 21.
	Variation 11°59' East
39.90	Set a limestone 14 inches long, 8 inches wide & 8 inches thick for quarter section corner.
79.80	Corner to sections 16.17.20 & 21 Land rolling. Soil 1st rate. Timber Bur Oak, Hickory & Ash. Undergrowth same with Hazel, Red Bud & Box Elder.
	North between sections 16 & 17.
	Variation 11°30' East.
3.00	Ravine, bearing E & W.
38.00	Enter brush & timber bearing N.W. & S.E.

Township 4 N. of Range 13 E. 6th P.M. Mer

Chains	
38.50	Ravine bearing S.E.
39.80	Leave brush & timber bearing N.W. & S.E.
40.00	Set a Hickory post for quarter section corner from which, A Hickory 5 in dia. bears S. 43½° E. 96 lks. dist. " Hickory 10 in dia. bears S. 44° W. 39 lks. dist.
50.00	Enter timber, bearing E & W.
53.00	Bank 40 feet high bearing N.W. & S.E.
54.00	Stream 15 lks. wide runs S.S.E.
63.00	Leave timber bearing N.W. & S.E.
80.00	Set a limestone 18 inches long, 8 inches wide & 4 inches thick for corner to sections 8.9.16 & 17. Land rolling. Soil 1st rate. Timber Bur Oak Walnut, Hickory Elm & Mulberry. Undergrowth Hazel & Greenbrier.
	East on a random line between Secs. 9 & 16.
	Variation 11°50' East.
40.00	Set a post for temporary quarter sec. corner.

Township 4 N. of Range 13 E. 6th Prin. Mer.

Chains	
41.00	Enter timber bearing N.E. & S.W.
48.25	Stream 10 lks. wide runs N.E.
50.25	Same 10 lks wide runs S.W.
51.75	Same 10 lks. wide " N.N.E.
58.00	Leave timber bearing N.E. & S.W.
80.24	Intersect N & S. line 54 lks. South of the corner to sections 9, 10, 15 & 16, from which I run West on a true line between sections 9 & 16.
	Variation 12° 13' East.
40.12	Set a Walnut post for quarter section corner, from which, A Bur Oak 8 in dia. bears N. 70° E. 142 lks. dist. A Bur Oak 7 in dia. bears S. 61½° E. 81 lks. dist.
80.24	Corner to Sections 8, 9, 16 & 17. Land rolling. Soil 1st rate. Timber Bur Oak, Elm, Hickory Walnut Lynn & Mulberry. Undergrowth Hazel & Sumac.

Township 4 N. of Range 13 E. 6th Prin. Mer.

Chains	
	North between Sections 8 & 9.
	Variation 11° 40' East.
33.00	Enter ravine bearing North
37.00	Leave Same bearing N.N.E.
40.00	Set a limestone 14 inches long, 10 inches wide & 3 inches thick for quarter section corner.
52.00	Enter timber bearing N.W. & S.E.
55.60	Stream 10 lks. wide runs E. S.E.
57.00	Leave timber bearing N.W. & E. S.E.
80.00	Set a limestone 13 inches long, 11 inches wide & 6 inches thick for corner to Sections 4, 5, 8 & 9. Land rolling. 1st rate soil. Timber Bur Oak, Elm & Hickory. Undergrowth same with Hazel.
	East on a random line between Secs. 4 & 9
	Variation 12° 00' East
29.50	Enter timber bearing N & S.
34.25	Stream 10 lks. wide, runs South

Township 4 N. of Range 13 E. 6th P.M. Mer.

Chains

37.00 Leave timber bearing N. & S.

40.00 Set a post for temporary quarter Sec. corner.

80.00 Intersect N. & S. line 25 lks. South of the corner to Sections 3, 4, 9 & 10, from which I run West on a true line, between Sections 4 & 9.

Variation 12° 11' East

40.00 Set a limestone 16 inches long, 13 inches wide & 2½ inches thick, for quarter Section corner.

80.00 Corner to Sections 4, 5, 8 & 9.

Land rolling. Soil 1st rate.

Timber Bur Oak Walnut, Elm Hickory & Ash. Underprouth same with Hazel & Greenbrier.

December 20, 1856.

North on a true line between Sections 4 & 5.

Variation 12° 00' East

6.00 Enter timber bearing NW & SE.

10.50 Stream 5 lks. wide. runs N.E.

12.60 Same " " " West

Township 4 N. of Range 13 E. 6th P.M. Mer.

Chains

15.00 Same Stream runs E. N. E.

18.50 Leave timber bearing NW & SE.

40.00 Set a limestone 13 inches long, 8 inches wide & 5 inches thick for quarter Section corner.

86.28 Intersect the Standard Parallel 9.31 chains West of the corner to Sections 32 & 33 on the Parallel & set a limestone 15 inches long, 8 inches wide & 7 inches thick for the corner to Sections 4 & 5 on the Parallel.

Mound bears N. 88° W. about 450 lks. distant.

Land rolling. Soil 1st rate.

Timber Bur Oak, Hickory, Walnut, Elm & Hackberry.

Underprouth Hazel & Greenbrier.

North between Sections 31 & 32.

Variation 11° 00' East.

2.50 Ravine bearing W. S. W.

Scattering timber on ravine.

20.00 Enter brush & timber bearing E. & W.

Township 4 N. of Range 13 E. 6th Prin. Mer.

Chains	
35.00	Stream 10 lks. wide, runs W. S.W.
36.30	Same 10 lks wide runs East
37.00	Same 10 lks wide runs S.W.
38.00	Leave timber bearing N.E. & S.W.
39.50	Enter ravine bearing S.S.W.
40.00	Set a Walnut post for quarter section corner, from which
	A Willow 6 in. dia. bears S.65° E. 270 lks. distant
	A Bur Oak 5 in. dia. bears N.33½° W. 86 lks. distant
	Mound bears S. 17° W. 36 lks. distant
45.00	Leave ravine bearing South.
80.00	Set a limestone 18 inches long, 10 inches wide & 3 inches thick for the corner to Sections 29.30.31 & 32.
	Mound W.S.W. about 150 lks. distant
	Land rolling. Soil 2nd rate
	Timber Elm Hickory Bur. Oak, Walnut & Willow.
	Undergrowth same with Hazel.

Township 4 N. of Range 13 E. 6th Prin. Meridian

Chains	
	East on a random line between Sections 29 & 32.
	Variation 11°00' East.
2.00	Enter timber bearing N.W. & S.E.
22.30	Stream 8 lks. wide runs S.S.E.
27.00	Ravine bearing N.N.W.
33.00	Ravine bearing N.N.W.
38.00	Leave timber bearing N.E. & S.W.
40.00	Set a post for temporary quarter section corner
80.00	Intersect N. & S. line 30 lks. South of the corner to Sections 28.29.32 & 33. from which I run West on a true line, between Sections 29 & 32.
	Variation 11°15' East.
40.00	Set a Hickory post for quarter section corner, from which,
	A Bur Oak 6 in. dia. bears N.78° W. 188 lks. distant
	A Bur Oak 8 in. dia. bears S.89° W. 253 lks. distant
80.00	Corner to Sections 29.30.31 & 32.
	Land rolling. Soil 1st rate
	Timber, Bur Oak, Hickory & Elm. Undergrowth Hazel, Hickory & Grubbier.

Township 4 N. of Range 13 E. 6th Prin. Mer.

Chains	
	West on a random line between Secs. 30 & 31
	Variation 11° 00' East
41.00	Set a post for temporary quarter Sec. corner.
74.50	Ravine bearing N.W.
75.37	Intersect Range line 30 lks. South of the corner to Sections 30 & 31, from which I run East on a true line, between Sections 30 & 31.
	Variation 10° 46' East
35.37	Set a limestone 16 inches long, 8 inches wide & 7 inches thick for quarter Section corner.
75.37	Corner to Sections 29. 30. 31 & 32.
	Land rolling. Soil 1st rate.

North between Sections 29 & 30.

Variation 11° 20' East

40.00	Set a limestone 14 inches long, 13 inches wide & 4 inches thick for quarter section corner.
68.50	Ravine bearing East
80.00	Set a limestone 18 inches long, 10 inches

Township 4 N. of Range 13 E. 6th Prin. Mer.

Chains	
	wide & 5 inches thick for corner to Sections 19. 20. 29 & 30. Stake in mound W. S. W. about 2.00 chains distant.
	Land rolling. Soil 1st rate.

East on a random line between Sections 20 & 29.

Variation 11° 15' East.

5.50	Ravine bearing South.
40.00	Set a post for temporary quarter Sec. Corner.
41.50	Ravine bearing S.W.
80.30	Intersect N & S. line 20 lks. South of the corner to Sections 20. 21. 28 & 29, from which I run West on a true line, between Sections 20 & 29.
	Variation 11° 24' East
40.15	Set a limestone 15 inches long, 11 inches wide & 4½ inches thick for quarter section corner.
80.30	Corner to Sections 19. 20. 29 & 30.
	Land high & rolling. Soil 1st rate
	December 22nd 1856.

Township 4 N. of Range 13 E. 6th P.M. Mer.

Chains

West on a random line between Secs. 19 & 30

Variation 11°00' East

4.00 Set a post for temporary quarter sec. corner.

59.50 Ravine bearing S.E.

74.69 Intersect Range line 54 lks. South of the corner to Sections 19 & 30. from which I run East on a true line, between Sections 19 & 30.

Variation 10°37½' East.

34.69 Set a limestone 14 inches long, 8 inches wide & 6 inches thick for quarter section corner.

74.69 Corner to Sections 19, 20, 29 & 30.

Land rolling. Soil 1st rate

North between Sections 19 & 20.

Variation 11°5' East.

4.00 Set a limestone 14 inches long, 11 inches wide & 6 inches thick for quarter section corner.

Mound W.N.W. about 200 chains distant.

8.00 Set a limestone 18 inches long, 8 inches

Township 4 N. of Range 13 E. 6th P.M. Mer.

Chains

wide & 7 inches thick for corner to sections 17, 18, 19 & 20.

Land high & rolling. Soil 1st rate.

East on a random line between Sections 17 & 20.

Variation 11°20' East.

3.50 Ravine bearing N.N.W.

26.00 Ravine bearing North.

4.00 Set a post for temporary quarter section corner.

8.00 Intersect N. & S. line 47 lks. South of the corner to Sections 16, 17, 20 & 21, from which I run West on a true line, between Sections 17 & 20.

Variation 11°40' East

4.00 Set a limestone 22 inches long, 13 inches wide & 3 inches thick for quarter section corner.

8.00 Corner to Sections 17, 18, 19 & 20.

Land rolling. Soil 1st rate.

West on a random line between Secs. 18 & 19.

Variation 11°6' East.

13.50 Ravine bearing N.E.

Township 4 N. of Range 13 E. 6th Prin. Mer.

Chains	
40.00	Set a post for temporary quarter Sec. corner.
74.78	Intersect Range line 40 lks. South of the corner to Sections 18 & 19, from which I run East on a true line, between Sections 18 & 19.
	Variation 10°48' East.
34.78	Set a limestone 17 inches long, 7 inches wide & 4½ inches thick for quarter section corner.
74.78	Corner to Sections 17, 18, 19 & 20.
	Land rolling, Soil 2nd rate.
	North between Sections 17 & 18.
	Variation 11°15' East.
6.00	Ravine bearing N. E.
12.50	Ravine bearing East.
40.00	Set a limestone 12 inches long, 7½ inches wide & 6½ inches thick for quarter Section corner.
57.50	Ravine bearing N. E.
80.00	Set a limestone 17 inches long, 13 inches wide & 6 inches thick for corner to

Township 4 N. of Range 13 E. 6th Prin. Mer.

Chains	
	Sections 7, 8, 17 & 18.
	Land rolling, Soil 1st rate.
	December 23, 1856.
	East on a random line between Secs. 8 & 17.
	Variation 11°00' East.
14.00	Ravine bearing S. E.
31.00	Enter timber bearing N.W. & S. E.
36.00	Ravine bearing S. E.
40.00	Set a post for temporary quarter Sec. corner.
41.50	Stream 10 lks. wide runs S. E.
53.00	Leave timber bearing N & S.
80.02	Intersect N & S. line at the corner of Sections 8, 9, 16 & 17, from which I run West on a true line, between Sections 8 & 17.
	Variation 11°00' East.
40.01	Set a Hickory post for quarter section corner, from which
	A Walnut 7 in. dia. bears N. 15° E. 26 lks. distant
	A Hickory 5 in. dia. bears S. 25° E. 8 lks. distant
80.02	Corner to Sections 7, 8, 17 & 18.

Township 4 N. of Range 13 E. 6th Prin. Mer.

Chains	
	Land rolling. Soil 1st rate.
	Timber Elm, Bur Oak, Hickory.
	Walnut, Hackberry & Locust.
	Undergrowth Hazel, Hickory & Gooseberries.
	West on a random line between Sections 7 & 18
	Variation 10°30' East.
24.00	Ravine bearing N.W.
28.00	Same bearing S.E.
29.00	Same bearing N.E.
40.00	Set a post for temporary quarter section corner.
75.25	Intersect Range line 31 lks. South of the corner to sections 7 & 18, from which I run East on a true line, between sections 7 & 18.
	Variation 10°16' East.
35.25	Set a red rock 13 inches long, 8 inches wide & 6 inches thick for quarter section corner.
75.25	Corner to sections 7, 8, 17 & 18.
	Land rolling. Soil 1st rate.

Township 4 N. of Range 13 E. 6th Prin. Mer.

Chains	
	North between Sections 7 & 8.
	Variation 11°00' East.
4.40	Enter brush & timber bearing N.W. & S.E.
6.60	Cherry 6 in. dia.
7.00	Drain bearing East.
11.00	Enter stream 15 lks. wide, runs S.E.
12.25	Leave same running S.S.W.
13.75	Same stream runs E.S.E.
15.00	Leave timber bearing N.W. & S.E.
40.00	Set a red rock 13 inches long, 7½ inches wide & 6 inches thick for quarter section corner.
61.50	Enter timber bearing N.W. & S.E.
64.50	Spring branch 4 lks. wide runs N.W.
76.00	Stream 15 lks. wide. runs S.E.
76.50	Same 15 lks. wide, runs West.
77.00	Same 15 lks wide, runs N.E.
78.00	Leave timber bearing E & W.
80.00	Set a red rock 14 inches long, 11 inches wide & 8 inches thick for corner to Sections

Township 4 N. of Range 13 E. 6th Prin. Mer.

Chains

5. 6. 7 & 8.

Land rolling. Soil 1st rate.

Timber Bur Oak, Elm, Walnut, Hickory, Locust & Coffee Bean.

Undergrowth Hazel, Hickory Greenbrier & Gooseberry.

December 24. 1856.

East on a random line between Secs. 5 & 8.

Variation 11° 00' East.

6.50 Stream 10 lks. wide, runs N. E.

Enter timber at stream bearing N. E. & S. W.

12.25 Same stream runs S. E.

15.00 Same stream runs North.

16.00 Same stream runs South.

18.50 Same stream runs North

19.80 Same stream runs S. E.

21.50 Same stream runs N. E.

34.60 Same stream runs S. S. E.

39.00 Leave brush & timber bearing N. W. & S. E.

40.00 Set a post for temporary quarter sec. corner.

Township 4 N. of Range 13 E. 6th Prin. Mer.

Chains

80.40 Intersect N. & S. line 15 lks. South of the corner to Sections 4. 5. 8 & 9, from which 2 inch West on a true line, between sections 5 & 8.

Variation 11° 6' East.

40.20 Set a Walnut post for quarter section corner, from which

A Walnut 7 in dia bears S. 63° W. 196 lks. dist.

A Walnut 4 in. dia. bears N. 87° W. 230 lks. distant.

80.40 Corner to Sections 5. 6. 7 & 8.

Land rolling. Soil 1st rate.

Timber Bur Oak, Walnut, Hickory Elm & Box Elder.

Undergrowth same with Hazel.

West on a random line between Secs. 6 & 7.

Variation 10° 20' East.

30.50 Ravine bearing S. W.

35.40 Ravine bearing South.

40.00 Set a post for temporary quarter section corner.

75.34 Intersect Range line 34 lks. South

Township 4 N. of Range 13 E. 6th P.M. Mer.

Chains

of the corner to sections 6 & 7,
from which I run East on a true line,
Between Sections 6 & 7.
Variation 10° 5' East

35.34 Set a red rock 12 inches long, 7½ inches wide & 6½ inches thick for quarter section corner.

75.34 Corner to Sections 5, 6, 7 & 8.
Land rolling. Soil 1st rate.

North on a true line between Sections 5 & 6.
Variation 11° 10' East.

26.00 Ravine bearing S. E.

40.00 Set a red rock 12 inches long, 8 inches wide & 7 inches thick for quarter section corner.

82.00 Enter timber bearing N.W. & S.E.

86.00 Stream 8 lks. wide, runs. N. E.
Soon turns S. E.

86.25 Intersect the Standard Parallel 9.50 Chains West of the corner to Sections 31 & 32 on the Parallel, &

Township 4 N. of Range 13 E. 6th P.M. Mer.

Chains

set an Elm post for the corner to sections 5 & 6 on the Parallel, from which corner,
An Elm 5 in dia. bears N. 17° E. 46 lks. distant
An Ash 7 in dia. bears N. 15° W. 13 lks. distant
An Ash 6 in. dia bears S. 60° E. 46 lks. distant.
An Elm 6 in dia. bears S. 17½° W. 46 lks. distant
Land gently rolling. Good soil.

Timber Bur Oak, Elm, Walnut, Hickory & Ash.
Undergrowth Hazel & Greenbrier.

Mr. Hall has acted in the capacity of Chainman in the place of Mr. Pearce since the 17th of December as before noted. I think Mr. Hall Chains shorter than Mr. Pearce.

December 25. 1856.

Township 4 N. of Range 13 E. 6th Prin. Mer.

General Description.

The quality of the land in this Township is about equal to the common average. It is generally high rolling prairie & nearly all is suitable for cultivation.

The timber is principally Bur Oak Elm, Hickory, Walnut, Lynn & Hackberry.

The timber is chiefly on the head waters of Muddy in the North part of the Township. The Township is entirely uninhabited. In the N.E. part of the Township limestone abounds, but elsewhere no stone could be seen excepting a few boulders & stray red rock of a flinty nature.

If I could see this Township free from the ice & deep snow a better opinion might be created.

Township 4 N. of Range 13 E. 6th Prin. Mer.

List of Names.

A list of the names of the individuals employed to assist in running, measuring, or marking the lines & corners described in the foregoing field notes of Township No. 4 North of Range No. 13 East 6th Principal Meridian, showing the respective capacities in which they acted:

John P. Graves Chainman
Israel F. Pearce Chainman
Wm. W. Hall, flagman & Chainman
Edward Williams flagman and cornermaker.
Wm. M. Elliott flagman & axeman

We hereby certify that we assisted Wm A. Godwin, deputy Surveyor in surveying the subdivision lines in Township No. 4 N. of the Base line of Range No. 13 East of the 6th Principal Meridian, and that said Township has been in all respects, to the best of our knowledge and belief, well & faithfully surveyed, & the boundary monuments planted according to the instructions ~~of the~~ furnished by the Surveyor General.

F. L. Grady — Chainman
Israel F. Pearce — Chainman
Wm W. Hall — Chainman & flagman
Edward Williams — flagman & cornermaker
William A. Elliott — flagman & axeman

Subscribed and sworn to by

the above named persons, before me, a Justice of the Peace for the County of Nemaha, in the Territory of Nebraska, this 5th day of January A.D. 1857.

Willis Hill
Justice of the Peace

I, Wm A. Godwin, deputy Surveyor, do solemnly swear that, in obedience to the instructions of John Calhoun, Surveyor General of the public lands of the United States in the Territories of Kansas & Nebraska, bearing date October 31st 1856, and in strict conformity to the laws of the United States and the instructions furnished by the said Surveyor General, I have faithfully sur-

-veyed all the subdivision lines of Township No. 4 North of the Base line, Range No. 13 East of the 6th Principal Meridian, in the Territory of Nebraska, and do further solemnly swear that the foregoing are the true & original field notes of such survey.

Wm. H. Godwin,
Deputy Surveyor

Subscribed by said Wm. H. Godwin deputy surveyor, and sworn to before me, a Justice of the Peace for the County of Nemaha, in the Territory of Nebraska, this 5th day of January A.D. 1857.

Willis Hill
Justice of the Peace

Surveyor Generals Office
Lecompton K.T. 15 July 1857

~~I certify~~ The foregoing field notes of the survey of the subdivision lines of Townships Nos Two Three and Four North of Range Thirteen East of the sixth Principal Meridian in the Territory of Nebraska Executed by Michael Emmott and William H Godwin Deputy Surveyors under contract No 38 between John Calhoun Surveyor General of Kansas and Nebraska and John Wherin DS dated 1st October 1855 in the months of July August November and December 1856 having been critically examined the necessary corrections and explanations made the said field notes and the surveys they describe are hereby approved. J. Calhoun Sur Genl.

General Land Office • Original Field Notes

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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.