General Land Office • Original Field Notes

Book Number

202

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.

2d

G.M.W.

Base Line to Niobrara River

10.

Field Notes

of the
Survey of the

Second Guide Meridian West

To its intersection with the Second Standard Parallel North.

As surveyed by N. Plank Deputy Surveyor under his contract No 274. bearing date 29th April 1859

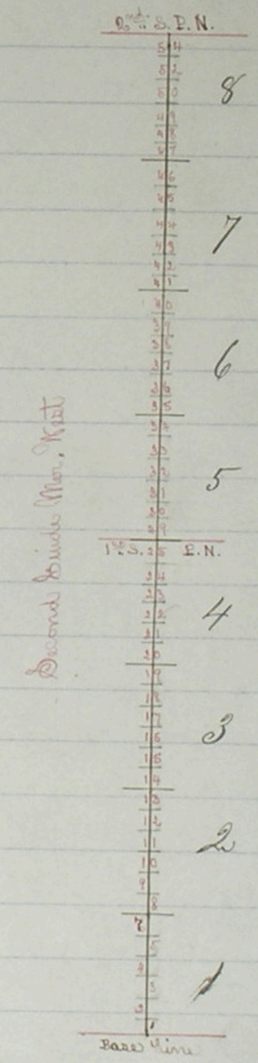
Commenced June 13th 1859.

Completed June 30th 1859

Names and duties of Assistants

William Johanus.	Chainman
John J. Kennedy.	"
Courtland S. Adams.	"
Solon S. Saunders.	"
George S. Hollister	Flagman.
Alexander Feely.	"
Andrew D. Cozad.	Axeman.
Ira S. Taylor	"
Henry M. Parker.	"
Hugh Blake	"
Daniel Squires	"
Justus S. Cozad.	Compassman.

For affidavits of men see the Base Line notes between 1st & 2nd Guide Meridian



The Second Guide Meridian West

Begin at the Stone Monument Erected at the point of intersection of the Base Line with the Second Guide Meridian West. Said monument being at the corner to Township 1 North and Township 1 South Ranges 16 and 17 West of the 6th Principal Meridian. From which corner I run

North between Sections 31 and 36

Variation 18° 15' East

40 00 Set a lime stone 19 inches long 11 inches wide 8 inches thick for quarter section corner

80 00 Set a lime stone 18 inches long 12 inches wide 4 inches thick for corner to Sections 25.30.31.36

Land rolling prairie

Soil 2nd rate

The Second Guide Meridian West

Between Ranges 16 and 17 W T. N 6th Principal Merid.

North between Sections 25 and 30

Variation 13° 15' East

40 00 Set a lime stone 16 inches long 11 inches wide 5 inches thick for quarter section corner

46 00 A drain descends North East

80 00 Set a lime stone 17 inches long 8 inches wide 4½ inches thick for corner to sections 25 and 30. 19 and 24

Land gently rolling prairie

Soil 2nd rate

The Second Guide Meridian West

Between Ranges 16 and 17 W. Township 1 N. 6th Prin. Md.

North between Sections 19 and 24

Variation 13° 30' East

16 80 A drain descends East

40 00 Set a lime stone 14 inches long 11 inches wide 5 inches thick for quarter section corner

80 00 Set a lime stone 18 inches long 13 inches wide 4 inches thick for corner to Sections 13. 18. 19. 24

Land gently rolling prairie

Soil 2nd rate

18

The Second Guide Meridian West

Between Ranges 16 and 17 W Township 1 N. 6th Prin. Meridian

North between Sections 13 and 18

Variation 13° 25' East

40 00 Set a lime stone 17 in long 7 inches wide 6 in thick for quarter section corner, on the top of the Republical River bluffs. which bear N 30° W and S 30° E

63 00 Intersect bottom land bearing N 30° W and S 30° E

63 75 Cooks. Creek 15 links wide runs West swift current. banks 12 feet high. 8 inches deep

69 50 An Elm tree 10 inches in diameter

69 55 Same creek. right bank. 15 links wide. swift current. banks 12 feet high runs East. A few Elm trees along the creek

76 50 Intersect timber bearing N W and S E

77 10 Left bank of same creek 25 links wide. banks 20 feet high. runs North West. 12 inches deep

79 00 Leave timber bearing N 30° W & S 30° E.

80 00 Set a lime stone 14 inches long 11 inches wide 4 in thick for corner to Sections 7, 12, 13, 18 from which an ash 9 inches in diameter bears S 54° W 51 links distant A white ash 12 inches in diameter bears N 68½ W 90 lks dist.

19

The Second Guide Meridian West

Between Ranges 16 and 17 W T 1 N. 6th Principal Md.

No other trees convenient to mark

Bottom land level. Soil 1st rate

Upland rolling Soil 2nd rate

Timber Elm. Ash and Hackberry

North between Sections 7 and 12

Variation 13° 00' East

7 00 Intersect timber bearing N 30° E and S 30 W

7 50 Right Bank of Cooks creek 20 links wide 6 inches deep swift current runs N 30° E

8 00 Intersect prairie bearing N 30° E and ~~S 30° W~~

40 00 Set a lime stone 15 inches long 7 inches wide 6 in thick for quarter section corner.

60 30 Set a post. with a trench. as per instructions for corner to fractional Sections 7 and 12. on the right bank of the Republican River from which a willow 8 inches in diameter bears S 80° W 208 links distant. no other tree convenient to mark Course of the river N 80° E and S 80° W Banks of the river 7 feet high Water 8 inches deep.

The Second Guide Meridian West

Between Ranges 16 and 17 W Township 1 N 6th Pr. Md.

I set a flag on the North and Right Bank of the River At 60 chains from the corner to sections 7.12.13.18 I run East 3 chains. from which point the flag on the Left bank of the river bears N 22° 15' W. I continue the same line 2 chains farther East. from which point the flag bears N 34° 20' W. Hence the distance to the flag is 733 links. This flag stands 50 links in advance of the bank of the river. Making

66 83 The Left bank of Republican River at which point I set a post, for corner to fractional sections 7 and 12 from which. A cottonwood 30 in. diameter bears. N 10° W 155 links dist, A cottonwood 10 in diameter bears N 35° E 56 links distant

66 83 Intersect timber bearing N 80° E and S 80° W

73 00 Leave timber continue in undergrowth bearing N 80° E and S 80° W

80 00 Set a lime stone 20 in long 9 in wide 6 in thick for corner to Sections 1.6.7.12

Level bottom land. Soil 1st rate

Timber Elm. Cottonwood. and Hackberry.

Undergrowth same and willow

The Second Guide Meridian West

Between Ranges 16 and 17 W Township 1 N 6th Prin Md.

North between Sections 1 and 6

Variation 13° 00' East

17 00 Intersect large timber bearing East and West

21 00 Leave timber bearing East and West

32 50 Foot of Republican River bluffs bearing S 80° E and S 70° W

33 00 Leave undergrowth bearing S 80° E and S 70° W

33 45 Top of bluff 50 feet high bearing S 80° E and S 70° W

40 00 Set a lime stone 16 inches long 13 in wide 6 in thick for quarter section corner.

80 00 Drove a charred stake set a post. raise a mound, with a trench as per instructions for corners to Townships 1 and 2 N Ranges 16 and 17 West

Bottom land level Land 2nd rate

Upland gently rolling 1st rate

Timber Elm Cottonwood and box Elder

Undergrowth same and willow.

The Second Guide Meridian West

Between Ranges 16 and 17 W T 2 N 6th Prin Meridian

North between Sections 31 and 36

Variation 13° 00' East

40 00 Set a lime stone 15 in long 14 in wide 5 in thick for quarter section corner

80 00 Drove a charred stake. set a post. raise a mound with a trench as per instructions for corner to Sections 25. 30. 31. 36

Level upland prairie

Soil 2nd rate

Between Ranges 16 and 17 W. T 2 N. 6th Prin. Meridian

North between Sections 25 and 30

Variation 12° 45' East

40 00 Set a lime stone 20 in long 12 inches wide 6 in thick for quarter section corner

80 00 Drove a charred stake. set a post. raise a mound, with trench as per instructions, for corner to Sections 19. 24. 25. 30

Land rolling prairie

Soil 2nd rate

Between Ranges 16 and 17 W. T 2 N. 6th Prin. Mer.d
North between Sections 19 and 24
Variation 12° 48' East

40 00 Set a lime stone 14 in long 10 in wide 4 inches thick for quarter section corner
73 70 Dry sandy bed of creek descends N E
80 00 Drove a charred stake set post, raised mound. with trench. as per instruction for corner to Sections 13.18.19.24
Land sandy broken prairie.
Soil 2nd rate

June 13th 1859.

Between Ranges 16 and 17 W. T 2 N. 6th Prin. Mer.d
North between Sections 13 and 18
Variation 12° 48' East

40 00 Set a lime stone 15 inches long 14 inches wide 4 inches thick for quarter section corner
47 00 Enter bottom land, leave upland. bearing S E and N W
48 50 Enter timber bearing S 45° E and West
49 20 Right Bank of Burnett Creek 40 links wide 15 inches deep. swift current. runs N E, soon turns S E. gravel bottom
49 90 Leave timber bearing N 80° E and S 80° W
58 00 Enter timber bearing East and West
60 10 Left bank of same creek 30 links wide runs West
61 50 Leave timber bearing East and West
74 30 Enter timber, bearing N 60° W and S 60° E
75 10 Right Bank of same creek 25 links wide 20 inches deep. gravel bottom. runs S 60° E Right Bank 10 feet high. Left bank 25 feet high.
76 10 Leave timber bearing N 60° W and S 60° E. Enter upland
80 00 Set a post. with trench. as per instructions for corner to Sections 7.12.13.18 from which A cottonwood 18 inches in diameter bears S 40¼° W

Between Ranges 16 and 17 W. T2 N. 6th Pr. Meridian
291 links distant
An Elm 6 in diam. bears S 9¼° E 462 links distant
No other trees convenient to mark
Bottomland very good 1st rate
Upland broken 3rd rate
Timber Elm. cottonwood, Ash. Walnut.
Hackberry

North between Sections 7 and 12
Variation 12° 45' East

40 00 Drove a charred stake. set post. raise a mound, with trench as per instructions. for quarter section corner.
50 00 Enter beautiful level upland prairie bearing East and West
55 00 Intersect prairie dog town. bearing East and West
78 00 Leave prairie dog town bearing East and West
80 00 Drove a charred stake. Set a post. raise a mound. with trench as per instructions for corner to Sections 1. 6. 7. 12
Land South half undulating. North half level upland
Soil 1st rate

Between Ranges 16 and 17 W T2 N. 6th Prin. Merid.
North between Sections 1 and 6
Variation 12° 45' East

15 00 Leave level upland. Enter broken land bearing N 30° W and S 30° E
40 00 Set a lime stone 16 inches long 14 inches wide 3 inches thick for quarter section corner
65 00 Intersect Level upland bearing E and W
80 00 Drove a charred stake. set a post. raise a mound. with trench. as per instructions for corner to ~~sections~~ Townships 2 and 3 N. Range 16 and 17 West
Level upland 2nd rate
Broken upland 3rd rate
There is a great deal of good timber. good land and water in T2 N. R 16 and 17 W.

Between Ranges 16 and 17 W T 3 N. 6th Prin. Meridian
North between Sections 31 and 36

Variation 12° 45' East

40 00 Set a lime stone 18 inches long 10 inches wide 4 inches thick quarter section corner

55 00 Leave level upland Enter broken ridge bearing N W and S E

80 00 Drove a charred stake. set a post. raise a mound, with trench, as per instruction for corner to sections for corner to sections 25.30.31.36.

Level upland 2nd rate
Broken land 3rd rate

Between Ranges 16 and 17 W T 3 N. 6th Pr. Meridian
North between Sections 25 and 30

Variation 12° 45' East

40 00 Set a lime stone 18 in. long 16 in wide 3 in thick for quarter section corner

80 00 Drove a charred stake set a post. raise a mound with trench. as per instruction for corner to sections 19.24.25.30

Land broken prairie
Soil 3rd rate

Between Ranges 16 and 17 W T 3 N. 6th Prin. Meridian
North between Sections 19 and 24
Variation 12° 50' East

40 00 Drove a charred stake, set a post, raise a mound, with trench, as per instructions for quarter section corner

80 00 Drove a charred stake, set a post raise a mound with trench, as per instructions for corner to sections 13, 18, 19, 24

Land broken prairie

Soil 2nd rate

Between Ranges 16 and 17 W. T 3 N. 6th Pr. Merid
North between Sections 13 and 18
Variation 13° 00' East

40 00 Drove a charred stake, set a post, raise a mound with trench as per instructions for quarter section corner

80 00 Drove a charred stake, set a post, raise a mound, with trench as per instructions for corner to Sections 7, 12, 13, 18

Land broken prairie

Soil 3rd rate

Bluffy clay banks frequently occurring

June 14th 1859

Between Ranges 16 and 17 W T 3 N. 6th Principal Meridian
North between Sections 7 and 12

Variation 13° 00' East

22 00 Intersect level upland. Leave bluffy ridges bearing East and West

40 00 Drove a charred stake. set a post. raise a mound. with trench as per instructions for quarter section corner

80 00 Drove a charred stake. set a post. raise a mound with trench as per instructions for corner to sections 6. 7. 12 ~~13~~. 1

South 22 chains broken 3rd rate prairie
North 58 chains level upland 1st rate "

Between Ranges 16 and 17 W T 3 N. 6th Prin Meridian
North between Sections 1 and 6

Variation 13° 00' East

40 00 Drove a charred stake Set a post. raise a mound with trench. as per instructions. ~~for quarter sections~~ for quarter section corner

80 00 Drove a charred stake. set a post, raise a mound. with trench as per instructions for corner to ~~sections~~ 1. 6. 31. 36. Townships 3 and 4 North Ranges 16 and 17 West

Land Level upland
Soil 1st rate

Between Ranges 16 and 17 W T 4 N. 6th Prin Md.
North between sections 31 and 36

Variation 13°15' East

40 00 Drove a charred stake, set a post, raise a mound, with trench, as per instructions for quarter section corner

65 75 A drain descends East

80 00 Drove a charred stake, set a post, raise a mound, with trench, as per instructions for corner to sections 25.30.31.36

Land level upland prairie

Soil 2nd rate

Between Ranges 16 and 17 W T 4 N. 6th Pr. Meridn
North between sections 25 and 30

Variation 13°15' East

40 00 Drove a charred stake, set a post, raise a mound, with trench, as per instructions, for quarter section corner

80 00 Drove a charred stake, set a post, raise a mound, with trenches as per instructions for corner to sections 19.24.25.30

Level upland prairie

Soil 2nd rate

Between Ranges 16 and 17 W T 4 N. 6th Prin. Mdn
North between Sections 19 and 24
Variation 13° 15 East

40 00 Drove a charred stake. set a post. raise a mound. with trench. as per instructions for quarter section corner

80 00 Drove a charred stake. set a post. raise a mound with trench. as per instructions for corner to Sections 13.18.19.24

Undulating Prairie
Soil 1st rate

Between Ranges 16 and 17 W T 4 N. 6th Prin Meridn
North between Sections 13 and 18
Variation 14° 00' East

40 00 Drove a charred stake. set a post. raise a mound. with trench. as per instructions for quarter section corner

80 00 Drove a charred stake. Set a post. raise a mound. with trench. as per instructions for corner to Sections. 7.12 13.18

Land gently rolling Prairie
Soil 1st rate

The Second Guide Meridian West
Between Ranges 16 and 17 W T 4 N 6th Prin Mer
North between Sections 1 and 12
Variation 14° East

40 00 Deposit a lime stone 6 in long 4 in wide 8 in thick marked +. Set a post. raise a mound. with a trench. as per instructions for quarter section corner

80 00 Drove a charred stake. Set a post. raise a mound with a trench as per instructions for corner to Sections 1.6.7.12

Land gently rolling prairie
Soil 2nd rate

The Second Guide Meridian West
Between Ranges 16 and 17 W T 4 N 6th Pr. Mer
North between Sections 1 and 6
Variation 13° 45' East

40 00 Drove a charred stake, Set a post raise a mound with a trench as per instructions for quarter section corner

80 00 Drove a charred stake. Set a post raise a mound with a trench as per instructions for corner to Townships 4 and 5 North Ranges 16 and 17 West of the 6th Principal Meridian Being also the point of intersection of the Second Guide Meridian West with the First Standard Parallel North

Land gently rolling prairie
Soil good 2nd rate

June 15th 1859

Begin

Field Notes of the Survey of the Second Guide Meridian West. Between Ranges 16 and 17 W. Township 5 North 6th Principal Meridian

From the Post and Mound the Established corner to Townships 4 and 5 North Ranges 16 and 17 West I run

North between Sections 31 and 36

Variation 13° 06' East

40 00 Drove a charred stake. Set a post. raise a mound with trench as per instructions for quarter section corner

80 00 Drove a charred stake. Set a post, raise a mound. with trench as per instructions for corner to Sections 25. 30. 31. 36

Land level prairie

Soil good 2nd rate

2nd Guide Meridian West. Between R16 and 17W T5N. 6th P.M.
North between Sections 25 and 30
Variation 13° 10' East

40 00 Drove a charred stake Set a post raise a mound. with trench as per instructions for quarter Section corner

80 00 Drove a charred stake. set a post. raise a mound with trench as per instructions for corner to Sections 19. 24. 25. 30

Land Gently rolling
Soil good 2nd rate

Second Guide Meridian W. Between Ranges 16 and 17W T5N. 6th Prin. M.
North between Sections 19 and 24
Variation 13° 30' East

40 00 Drove a charred stake, set a post. raise a mound with a trench as per instructions for quarter section corner

80 00 Drove a charred stake, set a post. raise a mound, with trench, as per instructions, for corner to Sections 13, 18, 19. 24

Land undulating prairie
Soil good 2nd rate

June 28th 1859

Second Guide Meridian W. Between Ranges 16 and 17 W 55 N. 6th P. Mer.

North Between Sections 13 and 18

Variation 13° 30' East

24 30 A drain descends ~~East~~ West

40 00 Drove a charred stake. set a post. raise a mound with a trench as per instructions for quarter sections corner

80 00 Drove a charred stake. set a post. raise a mound with a trench as per instructions for corner to Sections 7, 12, 13 and 18

Land Gently rolling

Soil 2nd rate

2nd Guide Meridian W. Between Ranges 16 and 17 W 55 N

North between Sections 7 and 12

Variation 13° 45' East

40 00 Drove a charred stake. set a post. raise a mound. with trench as per instructions for quarter section corner

80 00 Drove a charred stake. set a post. raise a mound. with trench as per instructions for corner to Sections 1, 6, 7, 12

Undulating prairie land

Soil 2nd rate

Second Guide Meridian West. Between Ranges 16 and 17 W T 5 N.

North between Sections 1 and 6

Variation 14° 00' East

40 00 Drove a charred stake. Set a post. raise a mound. with a trench as per instructions for quarter section corner

80 00 Drove a charred stake. set a post. raise a mound with a trench as per instructions for corner to Townships 5 and 6 North Townships Ranges 16 and 17 West

Land gently rolling prairie

Soil good 2nd rate

Second Guide Meridian West Between Ranges 16 and 17 W T 6 N. 6th Par.

North between Sections 31 and 36

Variation 14° 10' East

40 00 Drove a charred stake. set a post. raise a mound with trench as per instructions for quarter section corner.

80 00 Drove a charred stake. set a post. raise a mound. with trench. as per instructions for corner to Sections 25. 30. 31. 36

Land gently rolling prairie

Soil 2nd rate

Second Guide Meridian West. Between Ranges 16 and 17 W. 56 N. 6th P.M.

North between sections 25 and 30

Variation 14° 10' East

40 00 Drive a charred stake, set a post, raise a mound with trench, as per instructions for quarter section corner

80 00 Drive a charred stake, set a post, raise a mound, with trench, as per instructions for corner to sections 19, 24, 25, 30

Land gently rolling prairie

Soil good 2nd rate

Second Guide Meridian West. Between Ranges 16 and 17 W 56 N. 6th P.M.

North between sections 19 and 24

Variation 14° 15' West

40 00 Drove a charred stake, set a post, raise a mound, with trench, as per instructions, for quarter section corner

80 00 Drove a charred stake, set a post, raise a mound with trench, as per instructions for corner to sections 13, 18, 19, 24

Land gently rolling prairie

Soil good 2nd rate

Second Guide Meridian. West. Between Ranges 16 and 17 W. T. 6 N. 6th P. M.

North between sections 13 and 18

Variation 14° 30' East

40 00 Drove a charred stake. set a post. raise a mound. with trench, as per instructions for quarter section corner

80 00 Drove a charred stake, set a post. raise a mound with trench, as per instructions. for corner to sections 7, 12, 13, 18

Land high dry, gently rolling prairie

Soil good 2nd rate

Second Guide Meridian. West. Between Ranges 16 and 17 W. T. 6 N.

North between sections 7 and 12

Variation 14° 30' East

40 00 Drove a charred stake. set a post. raise a mound, with trench as per instructions for quarter section corner.

80 00 Drove a charred stake, set a post. raise a mound, with trench as per instructions for corner to sections 1, 6, 7, 12.

Undulating upland prairie

Soil good 2nd rate

2nd Guide Meridian West. Between Ranges 16 and 17 W. & 6 N. 6th P.M.

North between sections 1 and 6

Variation 14° 30' East

40 00 Drive a charred stake, set a post, raise a mound, with trench, as per instructions for quarter section corner

80 00 Drive a charred stake, set a post, raise a mound, with trench, as per instructions, for corner to Townships 6 and 7 North Ranges 16 and 17 West 6th Principal Meridian

Undulating upland prairie

Soil good 2nd rate

Second Guide Meridian West. Between Ranges 16 and 17 W & 7 N

North between sections 31 and 36

Variation 14° 30' East

40 00 Drove a charred stake, set a post, raise a mound with trench, as per instructions, for quarter section corner

80 00 Drove a charred stake, set a post, raise a mound with trench as per instructions for corner to sections 25. 30. 31. 36.

Gently rolling upland prairie

Soil good 2nd rate

Second Guide Meridian West. Between Ranges 16 and 17 W. 5 7 N.

North between sections 25 and 30

Variation 14° 30' East

40 00 Drove a charred stake. set a post. raise a mound with trench, as per instructions for quarter section corner

80 00 Drove a charred stake. set a post. raise a mound. with a trench, as per instructions for corner to sections 19, 24. 25. 30

Surface rolling

Soil sandy 2nd rate

June 29th 1859

Second Guide Meridian West. Between Ranges 16 and 17 W. 5 7 N.

North between sections 19 and 24

Variation 14° 30' East

40 00 Drove a charred stake. set a post. raise a mound, with trench. as per instructions. for quarter section corner.

80 00 Drove a charred stake. set a post & raise a mound. with a trench as per instructions for corner to sections 13, 18. 19. 24

Rolling prairie

Soil Sandy 2nd rate

The Second Guide Meridian West
Between Ranges 16 and 17 W T 7 N 6th Pr. Mer.
North between Sections 13 and 18
Variation 15° 00' E

40 00 Drove a charred stake Set a post raise a mound with a trench as per instructions for quarter section corner

45 00 intersect Sand Hills bearing East and West

80 00 Drove a charred stake, Set a post raise a mound, with a trench, as per instructions for corner to Sections 7, 12, 13, 18

Surface rolling
Soil Sandy 2nd rate

The Second Guide Meridian West
Between Ranges 16 and 17 W T 7 N 6th Pr. Mer.
North between Sections 7 and 12
Variation 15° 00' East

40 00 Drove a charred stake, Set a post, raise a mound, with a trench, as per instructions for quarter section corner

80 00 Drove a charred stake, Set a post raise a mound with a trench, as per instructions, for corner to Sections 1, 6, 7, 12

Land rolling
Soil Sandy 2nd rate

The Second Guide Meridian West
Between Ranges 16 and 17 W T 7 N 6th Pr. Mer

North between Sections 1 and 6

Variation 15° 00' East

40 00 Drove a charred stake, Set a post, raise a mound, with a trench as per instructions, for quarter section corner,

80 00 Drove a charred stake, Set a post raise a mound, with a trench, as per instructions, for corner to Townships 7 and 8 North, Ranges 16 and 17 West 6th Principal Meridian

Surface rolling

Soil sandy 2nd rate

The Second Guide Meridian West
Between Ranges 16 and 17 W T 8 N 6th Pr. Mer

North between Sections 31 and 36

Variation 15° 00' East

40 00 Drove a charred stake Set a post, raise a mound, with a trench as per instructions for quarter section corner

45 00 Leave sand hills bearing N and S

80 00 Drove a charred stake, Set a post, raise a mound with a trench as per instructions for corner to Sections 25, 30, 31, 36

South half hilly

North half level

Soil sandy 2nd rate

The Second Guide Meridian West
Between Ranges 16 and 17 W T 8 N 6th P.M.
North between Sections 25 and 30
Variation 15° 00' East

40 00 Drove a charred stake, Set a post, raise a mound with a trench. as per instructions for ~~quarter~~ Section corner

80 00 Drove a charred stake, Set a post raise a mound, with a trench. as per instructions for corner to Sections 19, 24, 25, 30

6 Level bottom land
Soil sandy 2nd rate

The Second Guide Meridian West
Between Ranges 16 and 17 W T 8 North
North between Sections 19 and 24
Variation 15° 00' East

16 00 Road from Fort Kearney to California bears S 80° E and West

36 80 A slough 10 links wide bears East and West

40 00 Drove a charred stake. Set a post. raise a mound with a trench as per. instructions, for quarter section corner

80 00 Drove a charred stake Set a post. raise a mound. with a trench. as per instructions for corner to Sections 13, 18, 19, 24

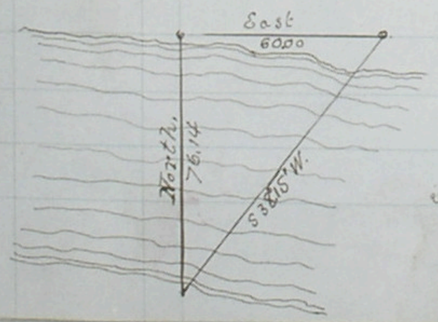
Land level bottom
Soil good 2nd rate

The Second Guide Meridian West
Between Ranges 16 and 17 W T 8 N 6th Pr. M.

North between Sections 13 and 18
Variation 15° 00' East

10 00 Road from Fort Kearney to California bears East and West

11 90 Drove a charred stake. Set a post & raise a mound with a trench as per instructions for corner to fractional Sections 13 and 18. on the Right Bank of Platte Rive. Course of river East and West. banks 4 feet above water. To obtain the distance across the river I set a flag on the Left bank of the river. And from that flag run East 60 chains from which point the Post in Mound on the Right Bank of the river bears. S 38° 15' W



Nat. Cotang. 38°15' = 1.2684940
60.00
76.109640000

Dist. across river 76.11—

The Second Guide Meridian West
Between Ranges 16 and 17 W T 8 N 6th Pr. Md

Hence the distance from the Post in mound on Right Bank of the river to the Flag on the Left Bank of the river is 76.11 chains to which add 11.90 gives 88.01 chains or 8.01 chains in advance of the point for corner to Sections 7.12.13.18

80 00 The point for corner to Sections 7.12.13.18 falling in the river I refer this point to the Meander corner Established on the Left Bank of the river as a witness corner

Land level prairie bottom
Soil 1st rate

For lines between sections 19 & 24 – 13 & 18 – 7 & 12 or line from S to N. bank of Platte River see field notes of 2nd Guide Mer. in Notes of Survey of Ft Kearney Mil. Res. Vol. E pg. 1 & 2. Sch

The Second Guide Meridian West

Between Ranges 16 and 17 W T 8 N. 6th Pr. Mer.

North between Sections 7 and 12

Variation 15° 00' E

8 00 The Left Bank of Platte river bears N 85° W and S 85° E at this point I drove a charred stake. Set a post, raise a mound, with trench as per instructions for Corner to fractional Sections 7, 12, 13, 18

40 00 Drove a charred stake. Set a post raise a mound, with a trench as per instructions for quarter section corner

69 57 The right Bank of a second channel of Platte river, running Eastward bears N 80° E and S 80° W Drove a charred stake, Set a post raise a mound, with a trench, as per instructions for Corner to fractional sections 7 and 12.

To obtain the distance across the channel. I set a flag on the Left

The Second Guide Meridian West

Between Ranges 16 and 17 W T 8 N 6th Pr. Mer.

Bank of the channel, from which I run West 4 chains to a point from which the flag on the Right Bank at the Post in Mound bears S 56° 30' E Hence the distance across the channel 262 links to which add 69.57 gives 71.99

71 99 The Left Bank of the second channel of Platte River bears N 80° E and S 80° W Drove a charred stake, Set a post raise a mound, with trench as per instructions for corner to fractional sections 7 and 12

80 00 Drove a charred stake. Set a post raise a mound, with a trench, as per instructions. for corner to Sections 1, 6, 7, 12

Land level bottom rather wet

Soil 1st rate

The Second Guide Meridian West
Between Ranges 16 and 17 W. T 8 N 6th Prin Md,
North between Sections 1 and 6
Variation 15° 00' East

9 25 A Slough 50 links wide runs East
15 70 The road from ~~Fort Kearney~~ Council Bluff to California bears East and West
40 00 Drove a charred stake, Set a post, raise a mound, with a trench, as per instructions for quarter section corner
80 00 Drove a charred stake Set a post, raise a mound with a trench as per instructions for corner to Sections 1 & 6, ~~31 & 36~~. At the intersection of the Second Guide Meridian West. With the Second Standard Parallel North. Being the corner to Townships 8 ~~and 9~~ North Ranges 16 and 17 West of the 6th Principal Meridian
Land dry level bottom
Soil 1st rate
June 30th 1859

Stop

Names and duties of Assistants.

William Johannes.	Chainman
John J Kennedy.	"
Courtland S. Adams.	"
Solon S. Saunders.	"
George. S. Hollister	Flagman.
Alexander Neely	"
Andrew P. Cazad.	Axeman
Ira, S. Taylor	"
Henry M Parker	"
Hugh Blake	"
Daniel Squires	"
Justus L. Cazad	Compassman.

For affidavits of men when finishing each see notes of 2nd Standard Parallel North between R R 2nd Guide Meridian

Surveyor Generals Office
Nebraska City N.T. August 25th

The foregoing field notes of the Survey of the Second Guide Meridian West Townships 1. 2. 3. 4. 5. 6. 7. & Ranges 16 & 17 North 6th Principal Meridian to its intersection with the 2nd Stand Par in Nebraska Territory, executed by Nathan P. Co under his Contract of the 29th April 1859 in the month of June. 1859. having been critically examined the necessary corrections and explanations made the said field notes and the Surveys they describe, are hereby approved

Ward B. N. Burns
Surveyor General

Field Notes of the

Second Guide Meridian West, from the 2nd to 3rd Standard Parallel North, and the Third Standard Parallel North, from the 1st to 2nd Guide Meridian West, surveyed by Henry C. F. Hackbusch, Deputy surveyor, under joint contract No. 314, dated May the 15th, 1866, wherein Hackbusch and Farnsworth are joint contractors.

Commenced June 25th, 1866
Completed June 26th, 1866.

Names and duties of assistants.

James P. Dunlap, Chainman
William F. Worley, Chainman
Lemuel M. Jones, Chainman
August Cronenberg, Chainman
John Taylor, Axeman
George Ferguson, Axeman
Theodore Brassfield, Flagman.

We James P. Dunlap.
William F. Worley. Lemuel M.
Jones. Douglas Snyder,

do solemnly swear that we will faithfully execute the duties of chain carriers. that we will level the chain upon uneven grounds and plumb the tally pins whether by sticking or dropping the same; that we will report the true distances to all notable objects. and the true length of all lines that we assist in measuring, to the best of our skill and ability.

James P. Dunlap
William F. Worley
Lemuel M Jones
Douglas Snyder

Subscribed and sworn to before me the above named persons before me a Justice of the Peace for Tahlequah District in the Territory of Cherokee this 22nd day of June 1866 Williams Mitchell a Justice of the Peace

We, John Taylor and

George Ferguson, do solemnly swear that we will well and truly perform the duties of axmen according to instructions given us and to the best of our skill and ability. John Taylor

George his X mark Ferguson

Subscribed and sworn to by the above named persons before me a Justice of the Peace for Holl County Nebraska Territory this 22nd day of June 1866

William H Mitchell
a Justice of the peace

I Theodore Brassfield do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me and to the best of my skill and ability. Theo Brassfield

Subscribed and sworn to by the

above named persons before me a Justice of The Peace for Holl County Nebraska Territory This 22nd day of June 1866

William H Mitchell
a Justice of the peace

I, August Cronenberg, do solemnly swear that I will faithfully 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 distances to all notable objects, and the true length of all lines that I assist in measuring, to the best of my skill and ability.

August Cronenberg

Subscribed and sworn to by the above named person before me a Deputy Surveyor

of the Surveyor General's Office of Kansas and Nebraska, this 25th day of June, 1866

Henry C. f Hackbusch,
Deputy Surveyor.

Douglass Snyder, before entering upon the duties of chain carrier, left my party, being in the field at the time, and ready for work, I was compelled to swear August Cronenberg before me.

Henry C. f Hackbusch
Deputy Surveyor

Township 9 N. between Ranges 16 and 17 W.

chains

Begin at the established Standard corner on the second Standard Parallel North, the corner to Townships 9 North, Ranges 16 and 17 West. From the aforesaid corner I run on a true meridian
North, along the West Boundary of sec. 31
Variation by Burt's improved Solar Compass 14° 35' East

15 00 Leave bottom and enter upland, bears E. and W.

40 00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.

80 00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for corner to secs. 25, 30, 31 and 36
Land mostly high and broken,

Township 9 N. between Rs. 16 & 17 W.

chains 3rd rate, 15.00 chs. South level bottom and 1st rate.

North along the West Boundary of sec. 30

Va. 14° 35' E.

13.00 To wagon road, bears N.W. and S.E.

40.00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.

80.00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for corner to secs. 19. 24. 25 and 30

Land broken, 3rd rate

North, along the West Boundary of sec. 19

Va. 14° 35' E.

40.00 Set post, deposited charred stake and raised mound of earth with

Township 9 N. between Rs. 16 and 17 W.

chains

pits as per instructions for 1/4 sec. corner.

80.00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for corner to secs. 13. 18. 19 and 24

Land broken, 3rd rate

North, along the West Boundary of sec. 18

Va. 14° 26' E.

40.00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.

80.00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for cor. to secs. 7. 12. 13 and 18

Land broken, 3rd rate

Townships 9 N. between Rs. 16 & 17 W.

chains

North, along the West Boundary of sec. 7

Va. 14° 5' E

40 00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.

80 00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for corner to secs. 1. 6. 7 and 12

Land rolling, 2nd rate

North along the West Boundary of sec. 6

Va. 14° 5' E

40 00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.

60 00 Leave upland and enter bottom, bears N. E. and West

Townships 9 N. between Rs. 16 and 17 W

chains

80 00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for corner to secs. 1. 6. 31 and 36, and Townships 9 and 10 N. Ranges 16 and 17 West.

Land, South 60 chs. rolling, 2nd rate, balance level and 1st rate

Township 10 N. between Rs. 16 & 17 W.

chains

North along the West Boundary of sec. 31

Va. 14° 15' E.

2.30 To wagon road, bears E. and W.

40.00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.

63.50 To Wood River, 40 lks. wide, runs N.E. - water clear - banks and bottom muddy, few scattering trees on banks.

80.00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for cor. to secs. 25. 30. 31 and 36

Land level bottom, 1st rate

Timber Ash and Elm

North along the West Boundary of sec. 30

Township 10 N. between Rs. 16 and 17 W.

chains

Va. 14° 20' E.

38.00 Leave bottom and enter upland, bears N. 80 E. and S. 80 W.

40.00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.

80.00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for cor. to secs. 19. 24. 25 and 30

Land, 38 chs. South level bottom 1st rate, balance rolling and 2nd rate.

North along the West Boundary of sec. 19

Va. 14° 25' E.

40.00 Set post, deposited charred stake and raised mound of earth with pits as per instructions

Township 10 N. between Ranges 16 & 17 W.

chains

for 1/4 sec. cor

80 00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for cor. to secs. 13. 18. 19 and 24

Land high and level, 2nd rate

North along the West Boundary of sec. 18

Va. 14° 32' E.

40 00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor

78 00 A Ravine, bears S. 80 E.

80 00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for cor. to secs. 7. 12. 13 and 18

Land rolling, 2nd rate

Township 10 N. between Ranges 16 & 17 W.

chains

North, along the West Boundary of sec. 7

Va. 14° 35' E.

3 20 A Ravine, bears S. E.

40 00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.

80 00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for cor. to secs. 1. 6. 7 and 12

Land rolling, 2nd rate

North, along the West Boundary of sec. 6

Va. 14° 35' E.

1 50 A Ravine, bears S. E.

40 00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor

Township 10 N. between Ranges 16 and 17 W.

chains

80 00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for cor. to secs. 1. 6. 31 and 36, and Townships 10 and 11 N. Ranges 16 and 17 West
Land rolling, 2nd rate
June 25th 1866

Township 11 N. between Ranges 16 and 17 W.

chains

North, along the West Boundary of sec. 31
Va 14° 35' E.

40 00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.

80 00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for cor. to secs. 25. 30. 31 and 36
Land rolling, 2nd rate

North, along the West Boundary of sec. 30
Va. 14° 35' E.

40.00 Set post, deposited charred and raised mound of earth with pits as per instructions for 1/4 sec. cor.

80 00 Set post, deposited charred stake and raised mound of earth with pits

Township 11 N. between Ranges 16 & 17 W.

Chains

as per instructions for cor. to secs. 19. 24. 25 and 30
Land rolling, 2nd rate

North, along the West Boundary of sec. 19
Va. 14° 35' E.

40 00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.

80 00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for cor. to secs. 13. 18. 19 and 24
Land broken, 3rd rate

North along the West Boundary of sec. 18
Va. 14° 28' E.

17 00 Ravine, bears N. W.

Township 11 N. between Ranges 16 & 17 W.

Chains

40 00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.

80 00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for cor. to secs. 7. 12. 13 and 18
Land broken, 3rd rate

North along the West Boundary of sec. 7
Va. 14° 25' E.

40 00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.

80 00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for cor. to secs. 1. 6. 7 and 12

Township 11 N. between Ranges 16 & 17 W.

chains

Land rolling, 2nd rate

North, along the West Boundary of sec. 6

Va. 14° 15' E.

40 00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.

50.00 Leave upland and enter bottom bears E. and W.

80 00 Set post, deposited charred stake, raised mound of earth with pits as per instructions for cor. to secs. 1, 6, 31 and 36, and Ts. 11 and 12 N. Rs. 16 & 17 W.

Land, South 50 chs. rolling, 3rd rate, balance level bottom, 1st rate.

Township 12 N. between Ranges 16 and 17 W.

chains

North, along the West Boundary of sec. 31

Va. 14° E

9 50 Leave prairie and enter timber, bears E. and W.

14 00 To South Branch of Loup, 300 lks. wide (by measurement) runs S. 70 E. soon turns N. general course E. — banks 8 feet high and sandy — bed of stream quick sand — water shallow

24 00 Leave timber and enter prairie, bears E. and W.

40 00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.

68 00 Leave bottom & enter upland, bears East and West

80 00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for cor. to

Township 12 N. between Rs. 16 and 17 W.

chains

secs. 25. 30. 31 and 36
Land South 68 chs. level bottom, 1st rate, balance broken and 3rd rate
Timber :: Cottonwood.

North, along the West Boundary of sec. 30
Va. 13° 55' E.

40 00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.
80 00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for cor. to secs. 19. 24. 25 and 30
Land broken, 3rd rate

North along the West boundary of sec. 19
Va. 13° 55' E.

Township 12 N. Between Ranges 16 & 17 W.

chains

40 00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.
80 00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for cor. to secs. 13. 18. 19 and 24
Land broken, 2nd rate

North, along the West Boundary of sec. 18
Va. 13° 55' E.

31 00 Ravine, bears N. E.
40 00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.
80 00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for cor. to

Township 12 N. between Rs. 16 & 17 W.

chains

secs. 7, 12, 13 and 18
Land broken, 2nd rate

North, along the West Boundary of sec. 7
Va. 13° 55' E.

40 00 Set post, deposited charred stake, and raised mound of earth with pits as per instructions for 1/4 sec. cor.

80 00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for cor. to secs. 1, 6, 7 and 12
Land broken, 2nd rate

North, along the West Boundary of sec. 6
Va. 13° 55' E.

17 00 Ravine, bears N. E.

40 00 Set post, deposited charred stake

Township 12 N. between Rs. 16 & 17 W.

chains

and raised mound of earth with pits as per instructions for 1/4 sec. cor.

72 00 A drain bears East

80 00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for a closing corner to sections 1 and 6, and Townships 12 N. of Ranges 16 and 17 West, at the intersection with the 3rd Standard Parallel North. —
Land broken, 2nd rate
June 26th, 1866

Offset on Second Guide Meridian West at 3rd Standard Parallel N.

chains

From the closing corner to Ts. 12 N. - Rs. 16 and 17 W. at the intersection with the 3rd Standard Parallel N., I run along the 3rd Standard Parallel North and the South Boundary of Township 13 North, R. 16 W.

West on a true line along the South Boundary of sec. 31

Va 14" East

3 60 A drain, bears S.E.

40 12 Set post, deposited charred stake and raised mound of earth with pits as per instructions for Standard corner to secs. 31 and 36, and Townships 13 N. Ranges 16 and 17 West

Land rolling, 2nd rate

June 26th, 1866

General Description.

The land along the 2nd Guide Meridian has mostly a rolling or broken surface. The soil is of a 2nd rate quality and only adapted to stock-raising.

There is some 1st rate bottom land on both sides of Wood River and the South Branch of Longs, the former runs through sec. 31 in Township 10 N. and the latter through sec. 31 in Township 12 North. — The bottom lands are well adapted to farming. —

Wood River has a narrow belt of timber, principally Ash, Elm, Hackberry and Cotton wood, along its banks. — There is some more, and a larger growth of timber along the Longs. The timber is chiefly Cottonwood and Willow.

There are no stone of any kind in the country.

List of Names

A list of names of the individuals employed to assist in running, measuring, or marking the lines and corners described in the foregoing field notes of the Second Guide meridian West, from the second to third Standard Parallel North, showing the respective capacities in which they acted

James P. Dunlap,
William F. Worley,
Lemuel M. Jones,
August Cronenberg, } Chainmen.
John Taylor, Axeman.
George Ferguson, Axeman.
Theodore Brassfield, Flagman.

A list of names of individuals employed to assist in running, measureing, or marking the lines and corners described in the foregoing field notes of the 2nd Guide Meridian West of the Sixth Principal Meridian, from the 3rd to the 4th Standard Parallel North and the 4th Standard Parallel North from the 1st to the 2nd Guide Mer. West. Showing the respective capacities in which they acted

Leavitt	Burnham	Chainman
Robert	Schaffer	Chainman
Francis	Cain	Chainman
Charles	Vanalstine	Chainman
E.W.	Boman	Mound builder Axeman and
Therman	Weldon	Mound builder Axeman and
Gilbert	Wilson	Flagman
Charles	Crawford	Flagman

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William F. W
Lemuel M.
August Crone
John Tayl
George Ferg
Theodore Bra

Field Notes
of the
Survey of the
2nd Guide Meridian West of the
6th Principal Meridian from the
3rd to the 4th Standard Parallel
North.

And the
4th Standard Parallel North from
the 1st to the 2nd Guide Meridian
West, Surveyed by J. B. Park
Deputy Surveyor under his joint
contract No 1 dated July 2, 1867
wherein Park and Campbell
are joint Contractors

Commenced August 22nd 1867
Completed Sept 8th 1867

6th Principal
of Nebraska,
Deputy Surveyor,
No. 7, with
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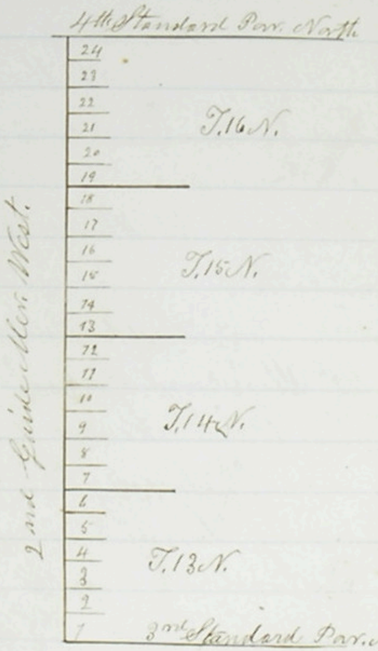
Index to the 2nd Guide Mer. West



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William F. M
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August Crum
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Second Guide Meridian West of 6th Principal Meridian

Chains	
	Begin at the Third Standard Parallel North, at the Standard corner to Townships 13 North Ranges 16 and 17 West, from which corner I run
	North on a true line between sections 31 and 36 by Burt's improved solar compass found to be Var. 13° 45' E.
40.00	Set a post and drove a charred Stake raised in a mound of earth with pits as per instructions for a 1/4 Sec. Cor.
57.00	Train Course S E.
80.00	Set a post and drove a charred Stake raised in a mound of earth with pits as per instructions for a corner to Sections 25.30.31.36
	Land rolling Prairie, Soil 1st rate

Between Townships 13 North, Ranges 16 and 17 West.

Chains	
	North on a true line between sections 25 and 30. Var. 13° 43' E.
40.00	Set a post and drove a charred Stake raised in a mound of earth with pits as per instructions for a 1/4 Sec. Cor.
49.50	A Train Course S E.
80.00	Set a post and drove a charred Stake raised in a mound of earth with pits as per instructions for a corner to Sections 19.24.25.30.
	Land gently rolling. Soil 1st rate.

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Second Guide Meridian West of 6th Principal Meridian

Chains	
	North on a true line between Sections 19 and 24 Va. 13° 45' E.
34.00	Summit of a ridge bearing N.W. and S.E.
40.00	Set a post and drove a charred Stake in a mound of earth with pits as per instructions for a 1/4 Sec. Cor.
51.00	A Drain Course West
80.00	Set a post and drove a charred Stake in a mound of earth with pits as per instructions for a corner to Sections 13, 18, 19, 24
	Land rolling Prairie Soil 1st rate

Between Townships 13 North, Ranges 16 and 17 West

Chains	
	North on a true line between Sections 13 and 18 Va. 13° 45' E.
23.00	Summit of a ridge bearing East and West
40.00	Set a post and drove a charred Stake raised in a mound of earth with pits as per instructions for a 1/4 Sec. Cor.
48.00	A Drain Course S.E.
60.00	A Drain Course S.E.
80.00	Set a post and deposited a charred Stake raised in a mound of earth with pits as per instructions for a corner to Sections ~~18~~ 7, 12, 13 & 18
	Land rolling Prairie, Soil good 2nd rate
	Tested measuring Chains and found them correct
	August 23rd 1867

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Lemuel M.
August Crum
John Tay
George Fer
Theodore Bra

Second Guide Meridian West of 6th Principal Meridian

Chains	North on a true line between Sections 7 and 12 bearing 13° 40' E.
23.50	Summit of a ridge bearing N. and S. E.
40.00	Set a post and drove a charred stake raised in a mound of earth with pits as per instructions, for a 1/4 Sec. Cor.
56.00	A Drain Course East
69.00	A Drain Course N. E.
80.00	Set a post and drove a charred stake raised in a mound of earth with pits as per instructions, for a corner to Sections 1, 6, 7, 12
	Land rolling Prairie, Soil good 2nd rate

Between Townships 13 North Ranges 16 and 17 West.

Chains	North on a true line between Sections 1 and 6 bearing 13° 42' E.
20.00	Summit of a ridge bearing East and West
24.00	A Drain Course N. E.
40.00	Set a post and deposited a charred stake raised in a mound of earth with pits as per instructions for a 1/4 Sec. Cor.
62.00	Summit of a ridge bearing East and West
65.50	A Drain Course N. E.
80.00	Set a post and drove a charred stake raised in a mound of earth with pits as per instructions for a corner to Townships 13 and 14 North Ranges 16 and 17 West being also the corner to Sections 1, 6, 31, 36 of said Townships
	Land rolling Prairie, Soil 1st rate

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August Crum
John Tay
George Fer
Theodore Bra

Second Guide Meridian West of 6th Principal Meridian

Chains	North on a true line between Sections 31 and 36 (Variation)
15,00	Summit of a ridge bearing N.E. and S.W. (Variation)
22,50	A Drain Course East
30,00	Summit of a ridge bearing N.W. & S.E. (V. 13°45' E.)
40,00	Set a post and drove a charred Stake raised in a mound of earth with pits as per instructions for a 1/4 Sec. Cor.
44,00	Drain Course S.E.
80,00	Set a post and drove a charred Stake raised in a mound of earth as per instructions for a corner to Sections 25, 30, 31, 36.

Land rolling Prairie. Soil good 2nd rate.

Between Townships 14 North Between Ranges 16 and 17 West

Chains	North on a true line between Sections 25 and 30
	Va. 13°45' E
16,50	A Drain Course N.E.
27,00	Summit of a ridge bearing W. and S.E.
40,00	Set a post and drove a charred Stake raised in a mound of earth with pits as per instructions for a 1/4 Sec. Cor.
45,50	A Drain Course N.E.
80,00	Set a post and deposited a charred Stake raised in a mound of earth with pits as per instructions for a corner to Sections 19, 24, 25, 30.

Land very rolling Prairie. Soil 1st rate

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Second Guide Meridian West of 6th Principal Meridian

Chains	North on a true line between Sections 19 and 24 bn 13° 45' E
5.00	Summit of a ridge bearing East and S.W.
5.50	A Drain Course East
40.00	Set a post and drove a charred Stake raised in a mound of earth with pits as per instructions for a 1/4 Sec. Cor.
65.00	A Creek 40 links wide rapid current runs S.E.
72.00	Same Creek 40 links wide high banks runs S.W.
80.00	Set a post and drove a charred Stake raised in a mound of earth with pits as per instructions for a corner to sections ~~17, 24, 13, 18~~. 13, 18, 17 & 24
	Land gently rolling Prairie. Soil 1st rate
	Tested and corrected measuring Chains. August 23rd 1867

Between Townships 14 North, Ranges 16 and 17 West

Chains	North on a true line between Sections 13 and 18 bn 13° 46' E
4.00	Same Creek 45 links wide runs East
	Enter timber after crossing Creek, bearing East and West.
17.00	Leave timber and enter Prairie bearing N.W. and S.E.
40.00	Set a post and drove a charred Stake in a mound of earth with pits as per instructions for a 1/4 Sec. Cor.
56.00	Set a post drove a charred Stake raised in a mound of earth with pits as per instructions for a corner to sections 7, 12, 13, 18.
	Land first 17 chains broken balance level Prairie. Soil 1st rate
	Timber Scrubby oak & ash

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Second Guide Meridian West of 6th Principal Meridian

Chains	North on a true line between Sections 7 and 12 Va 13° 40' E.
40,00	Set a post and drove a charred Stake marked in a mound of earth with pits as per instructions for a 1/4 Sec. Cor.
80,00	Set a post and drove a charred Stake marked in a mound of earth with pits as per instructions for a corner to Sections 1, 6, 7, 12.
	Land level Prairie Soil 1st rate.

Between Townships 14 North, Ranges 16 and 17 West.

Chains	North on a true line between Sections 1 and 6 Va. 13° 45' E.
17,00	Summit of a ridge bearing N. and S.
25,00	Canon 25 ft deep Course S.W.
40,00	Set a post and drove a charred Stake in a mound of earth with pits as per instructions for a 1/4 Sec. Cor.
41,50	Summit of a ridge bearing N. and S.
53,50	Bottom of Canon Course S.W.
80,00	Set a post and drove charred Stake marked in a mound of earth with pits as per instructions, on the Summit of a ridge bearing N. E. and S. W. for a corner to Townships 14 and 15 N. Ranges 16 and 17 West, being also the corner to Sections 1, 6, 31, 36. of said Townships.
	Land hilly and broken Prairie, Soil 2nd rate

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Second Guide Meridian West of 6th Principal Meridian

Chains	North on a true line between Sections 31 and 36 Va. 13° 40' E.
40.00	Set a post and drove a charred Stake raised a mound of earth with pits as per instructions for a 1/4 Sec. Cor.
58.00	Canon Course S E.
80.00	Set a post and drove a charred Stake raised a mound of earth with pits as per instructions for a corner to Sections 25, 30, 31, 36.
	Land hilly and broken Prairie, Soil 2nd rate

Between Townships 15 North, Between Ranges 16 and 17 West

	North on a true line between Sections 25 and 30. Va. 13° 35' E.
40.00	Set a post and drove a charred Stake raised a mound of earth with pits as per instructions for a 1/4 Sec. Cor.
55.00	Summit of a ridge bearing N.W. and S.E.
67.00	A Drain Course N E.
80.00	Set a post and drove a charred Stake raised a mound of earth with pits as per instructions for a corner to Sections 19, 24, 25, 30
	Land hilly and broken. Soil 2nd rate

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Second Guide Meridian West of 6th Principal Meridian.

Chains	
	North on a true line between Sections 19 and 24. Va. 13° 35' E.
15.00	A Brass Course East
25.00	Summit of a ridge bearing N E and S W.
30.00	A Brass Course N E.
40.00	Set a post and drove a charred Stake raised on a mound of earth with pits as per instructions for a 1/4 Sec. Cor.
50.00	Set a post and drove a charred Stake raised on a mound of earth with pits as per instructions for a Cor. to Sections 13, 18, 19, 24.
	Land hilly Prairie, Soil 2nd rate

Between Townships 15 North, Ranges 16 and 17 West

Chains	
	North on a true line between Sections 13 and 18 Va. 13° 30' E
15.00	A Brass Course N E.
40.00	Set a post and drove a charred Stake raised on a mound of earth with pits as per instructions for a 1/4 Sec. Cor.
50.00	Set a post and drove a charred Stake raised on a mound of earth with pits as per instructions for a Cor. to Sections 7, 12, 13, 18
	Land rolling Prairie Soil 2nd rate

Tested and corrected measuring Chains by the Standard
August 24th 1867

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Second Guide Meridian West of 6th Principal Mer. Between Townships 15 North, Ranges 16 and 17 West.

Chains	
	North on a true line between between Sections 1 and 12. Var. 13° 30' E.
40.00	Set a post and drove a charred stake raised in a mound of earth with pits as per instructions for a 1/4 Sec. Cor.
49.50	A small course N E.
59.00	A Creek 10 links wide rapid current soft miry bottom runs S E.
80.00	Set a post and drove a charred stake raised in a mound of earth for a corner to Sections 1, 6, 7, 12. Land rolling Prairie, Soil 2nd rate

Chains	
	North on a true line between Sections 1 and 6. Var. 13° 35' E
40.00	Set a post and drove a charred stake raised in a mound of earth with pits as per instructions for a 1/4 Sec. Cor.
80.00	Set a post and drove a charred stake raised in a mound of earth with pits as per instructions for a corner to Townships 15 and 16 North Ranges 16 and 17 West. being also the corner to Sections 1, 6, 31, 36. Land level Prairie, Soil 1st rate. Timber in small quantities skirt Creek and occasionly some in the lagoons and ravines

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Second Guide Meridian West of 6th Principal Merid. Between Townships 16 North, Ranges 16 and 17 West

Chains	
	North on a true line between Sections 31, and 36.
	Va 13° 35' E.
41.00	Set a post and drove a charred stake raised a mound of earth with pits as per instructions for a 1/4 Sec. Cor.
80.00	Set a post and drove a charred stake raised a mound of earth with pits as per instructions for a corner to Sections 25, 30, 31, 36
	Land rolling Prairie. Soil 2nd rate

Chains	
	North on a true line between Sections 25 and 30.
	Va 13° 35' E
27.00	Summit of a ridge bearing N.W. and S.E.
41.00	Set a post and drove a charred stake raised a mound of earth with pits as per instructions for a 1/4 Sec. Cor.
65.00	At Drain Course S.E.
80.00	Set a post and drove a charred stake raised a mound of earth with pits as per instructions for a corner to Sections ~~13, 16, 19, 24~~ 19, 24, 25 & 30
	Land hilly Prairie. Soil 2nd rate.

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Second Guide Meridian West of 6th Principal Meridian

Chains	North on a true line between Sections 19 and 24
	Va. 13° 35' E
7.00	Summit of a ridge bearing N E and S W
16.00	A Drain Course S E.
24.00	Summit of a ridge bearing N E and S W
40.00	Set a post and drove a charred Stake raised in a mound of earth with pits as per instructions for a 1/4 Sec. Cor.
69.00	A Drain Course S W.
80.00	Set a post and drove a charred Stake raised in a mound of earth with pits as per instructions for a corner to Sections 13. 18. 19. 24.
	Land hilly Prairie. Soil 2nd rate

22

Between Townships 16 North Ranges 16 and 17 West

Chains	North on a true line between Sections 13 and 18
	Va. 13° 35' E
40.00	Set a post and drove a charred Stake raised in a mound of earth with pits as per instructions for a 1/4 Sec. Cor.
59.50	A Drain Course S E.
80.00	Set a post and drove a charred Stake raised in a mound of earth with pits as per instructions for a corner to Sections 7. 12. 13. 18.
	Land hilly Prairie Soil 2nd rate

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Second Guide Meridian West of 6th Principal Meridian

Chains	North on a true line between Sections 7 and 12. Va 13° 35' E
17,00	A Drain Course S E.
40,00	Set Set a post and drove a charred Stake raised a mound of earth with pits as per instructions for a 1/4 Sec. Cor.
60,00	Summit of a ridge bearing NW and S E.
68,00	Canon Course N W.
80,00	Set a post and drove a charred Stake raised a mound of earth with pits as per instructions for a corner to Sections 1, 6, 7, 12

Land rolling broken Prairie Soil 2nd rate

Tested and corrected measuring chains by the Standard

August 26th 1867

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Between Townships 16 North, Between Ranges 16 and 17 West

Chains	North on a true line between Sections 1 and 6. Va 13° 35' E
1,50	A Drain Course N W.
40,00	Set a post and drove a charred Stake raised a mound of earth with pits as per instructions for a 1/4 Sec. Cor.
80,00	Set a post and drove a charred Stake raised a mound of earth with pits as per instructions for a corner to Townships 16 North Ranges 16 and 17 West at the intersection of the fourth Standard Parallel North being also the corner to Sections 1 and 6 on the South Side of Said Parallel.

Land hilly Prairie Soil 2nd rate

For convergency see 1st page of 2d to 4th Ed. Pl.

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General Description

The quality of land along the 2nd Guide Mer. West through 13 and 14 and the greater portion of 15 north is considerably above the average quality. It is generally rolling 1st and 2nd rate land adapted to settlement and cultivation. There are two beautiful streams, branches of the Loup Fork crossing the line in a South easterly direction. A very little timber along these streams mostly scrub oak.

(A)

Field Notes of the Survey of the Second Guide Meridian West from the Fourth to the Fifth Standard Parallel North: and the Fifth Standard Parallel North from the 1st to the 2nd Guide Meridian West of the 6th Principal Meridian, in the State of Nebraska, by Nicholas J. Paul, deputy Surveyor, under his joint contract No. 7, with Oscar F. Davis, bearing date the 6th day of June, 1868

Survey commenced July 7th 1868
Survey completed July 21st 1868.

(B)

Names and duties of assistants.

Martin E. Bartlett Chainman
Edmund Hutton Chainman
Cassian J. Acken Chainman
Wm H. Hogg Chainman
Daniel Duffey Cornerman
Robert Purvis Cornerman
L. A. Tannehill Flagman

Between Ranges 16 and 17 W Township 17 North

From the Standard Corner to Townships number 17 North of Ranges 16 and 17 West on 4th Standard Parallel, Trun North on a true Meridian between Secs 31 & 36

Variation by Burts improved Solar Compass 13° 07' E.

40	00	Set post, deposited charred Stake and raised mound of earth with pits as per instructions for 1/4 Sec. cor.
74	30	A Ravine course N. W.
80	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for cor to secs. 25, 30, 31 and 36.

Surface undulating

Soil good Second rate

Between Ranges 16 and 17 W. T. 17 North

North between Secs 25 and 30
Va 13° 09' E.

40 00 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 Sec. cor.

80 00 Set post deposited charred stake and raised mound of earth with pits as per instructions for cor to secs. 19, 30, 24 and 25

Surface undulating Prairie
Soil good 2nd rate

Between Ranges 16 and 17 West T. 17 North

North between Secs 19 and 24
Va. 13° 09' E.

13 00 Ravine course N. E.

40 00 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.

80 00 Set post deposited charred stake and raised mound of earth with pits as per instructions for cor. to secs. 18, 19, 13 and 24

Surface gently rolling
Soil second rate

Between Ranges 16 and 17 W. Township 17 North

North between Secs. 13 and 18
Va. 13° 15' East

38 30 Ravine course S.E.
Leave undulating land and enter broken hills bearing S.W. and S.E.
40 00 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. c
80 00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for cor to secs 7, 18, 12 and 13
First 38.30 chs gently rolling 2nd rate
Balance broken. Soil 3d rate

Between Ranges 16 and 17 W. & T. 17 North

North between Secs. 7 and 12
Va. 13° 15' East

26 00 Ravine drains N.W.
33 20 Ravine course West
40 00 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.
63 40 Drain course S.E. Leave hills and enter valley Bottom at Drain bearing N.W. and S.E.
80 00 Set post deposited charred stake and raised mound of earth with pits as per instructions for cor to Secs 6, 7, 1 and 12
Hills broken 3d rate Soil
Bottom level 2nd rate soil

Between Ranges 16 and 17 West T. 17 North

North between Secs. 1 and 6
Va. 13° 15' East

39	10	Drain course N. E.
40	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. c
59	50	Leave high and enter low bottom bearing E. & W.
67	20	Set post deposited charred stake and raised mound of earth with pit as per instructions for Meander corner on right bank Soup river. The river being very shall the line is measured directly across with the ch
79	50	Small Sandy Island bears N. E. and N. W.
80	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to Townships 17 and 18 North of Range 16 and 17 West from which

A Cottonwood 20 in dia bears N 21 E 336 lks
A Cottonwood 15 in dia bears N 26° 09' W 46 l
A Cottonwood 36 in dia bears N 81° E 456 lk
Land level Soil 2nd rate

July 7th 1868

Between Ranges 16 and 17 W. Th. 18 North

North between secs 31 and 36
va 13° 15' East

1	68	North side of sand Island bears S E and West
2	80	Set post deposited charred stake and raised mound of earth with pits as per instructions for Meander corner on Left Bank Soup river from which

a Cottonwood 24 in dia bears N. 37° 15' E 83 lks
A Cottonwood 15 in dia bears N 39° 54' W 174 lks

21	00	Leave low bottom and enter high bottom bears N. W and S. E.
40	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.
80	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to secs 30, 31, 25 and 36

Land undulating Sandy Bottom
Soil third rate
Timber: a few scattering trees, Cottonwood and Willow, on Left Bank Soup river

Between Ranges 16 and 17 W. Sp. 18 North

North between secs 25 and 30
Va 13° 18' E

40 00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec cor

80 00 Set post deposited charred stake and raised mound of earth with pits as per instructions for cor to secs 19, 30, 24 and 25

Uneven Bottom land
Soil Sandy third rate

Between Ranges 16 & 17 W. Sp. 18 North

North Between Secs 19 and 24
Va 13° 18' E.

16 00 Leave Sandy Bottom and enter broken Sand-hills bears N. W. and S. E.

40 00 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.

80 00 Set post deposited charred stake and raised mound of earth with pits as per instructions for cor to secs 18, 19, 13 and 24

First 16 chs level Soil 3d rate
Balance Broken 3d rate worthless

Between Ranges 16 and 17 W. T. 18 North

North between secs. 13 and 18
Va 13° 18' E

40	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec cor
41	00	Leave Sand Hills and enter clay Hills bears N. W. and S. E.
65	00	Ravine drains East
74	00	Same drain course S. W.
80	00	Set post deposited charred stake and raised Mound of earth with pits as per instructions for cor to secs. 7, 18, 12 and 13

Land, Surface broken
Soil Thirdrate

Between Ranges 16 and 17 W. T. 18 North

North between secs 7 and 12
Va, 13° 15' E

4	10	Ravine course S. E.
29	00	Ravine course S. E.
37	50	Ravine course S. E
40	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.
46	75	Ravine course East
64	00	Ravine course East
78	80	Ravine course East
80	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to secs 6, 7, 1 and 12

Land broken Hills
Soil third rate

Between Ranges 16 and 17 W. T. 18 North

North between Secs 6 and 1
Va 13° 13' E

12	60	Drain course N. E.
22	30	Drain course S E
24	30	Drain course S E
40	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.
46	60	Ravine course S. E.
57	00	Ravine course N E
80	00	Set post deposited charred st and raised mound of earth with pits as per instructions for cor to Township 18 and 19 North of Ranges 16 and 17 West

Land broken & hilly
Soil Third rate

Between Ranges 16 and 17 W. T. 19 North

North between Secs. 31 and 36
Va 13° 12' East

13	00	Ravine course West
23	70	Ravine course N. W.
31	00	Ravine course West
40	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.
42	70	Ravine course N W
49.	40	Ravine course West
80	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for cor to secs 30, 31, 25 and 36

Land broken clay Hills
Soil Third rate

Between Ranges 16 and 17 W. T. 19 North

North between Secs 25 and 30
Va 13° 09' E.

5 80 Ravine course N. W.

40 00 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.

47 00 Leave broken hills and enter low undulating land bears N.E. and S.W.

80 00 Set Spost deposited charred stake and raised mound of earth with pits as per instructions for corner to secs 19, 30, 24 and 25

Hills broken Soil 3d rate
Valley nearly level. Soil 2nd rate

July 8th 1868

Between Ranges 16 and 17 W. T. 19 North

North between Secs 19 and 24
Va. 13° 09' East

24 50 Large Ravine course West

40 00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.

80 00 Set post deposited charred stake and raised mound of earth with pits as per instructions for cor. to secs 18, 19, 13 and 24

Land gently undulating
Soil Second rate

Between Ranges 16 and 17 W. T. 19 North

North between Secs 13 and 18
Va. 13° 09' E

10 00 Leave low undulating land and enter broken hills bearing W. and S.

40 00 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.

77 00 Ravine course West

80 00 Set post deposited charred stake and raised mound of earth with pits as per instructions for cor to secs. 7, 18, 12 and 13
First 10. chs. level 2nd rate
Balance broken Hills Soil 3rd rate.

Between Ranges 16 and 17 W. T. 19 N.

North between secs 7 and 12
Va. 13° 09'

38. 40 Ravine course West

40 00 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.

42 50 Ravine course S. W.

80 00 Set post deposited charred stake and raised mound of earth with pits as per instructions for cor to secs. 6, 7, 1 and 12
Land very broken
Soil Third rate

Between Ranges 16 and 17 W. T. 19 North

North between Secs 6 and 1
Va. 13° 09' East

17	50	Creek Ravine course N. East
36	30	Ravine course N. E.
40	00	Set post, deposited charred sta and raised mound of earth with pits as per instructions for 1/4 sec. cor.
61	30	Enter Ravine comes from N. E.
70	80	Leave Ravine goes N. E.
80	00	Set post deposited charred sta and raised mound of earth with pits as per instructions for corn to Townships 19 and 20 North of Ranges 16 and 17 West

Surface broken Hills
Soil Hard dry Third rate clay

Between Ranges 16 and 17 W. T. 20 North

North between Secs 31 and 36
Va. 13° 12' East

5	00	Ravine course N W
28	40	Ravine course East
38	30	Ravine course S W
40	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.
80	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for cor. to secs 30, 31, 25 and 36

Land: Broken Hills
Soil Third rate Hard clay

Between Ranges 16 and 17 W. T. 20 North

North between Secs 25 and 30
Va. 13° 12' E.

12	00	Ravine course East
30	70	Ravine course East
40	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.
42	50	Ravine course S. E.
80	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for cor. to secs. 19, 30, 24 and 25

Land very broken and hilly
Soil hard clay Third rate

Between Ranges 16 and 17 W. T. 20 N.

North between Secs. 19 and 24
Va. 13° 12' E.

40	00	Set post, deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.
80	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for cor. to secs 18, 19, 13 and 24

Land: Broken Hills
Soil Third rate

Between Ranges 16 and 17 W. T. 20 North

North between secs 13 and 18
Va 13° 12' E.

12	00	Deep Ravine course East; Sides skirted with Timber
19	00	Deep Ravine course East sides skirted with Timber
21	00	Deep Gulch course East sides skirted with trees
24	50	Ravine course East sides timbered
29	70	Deep Gulch course N. W.
40	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.
43	00	Ravine course N. W.
67	00	Ravine course N. W.
79	00	Ravine course West
80	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for cor to secs 7, 18, 12 and 13

Land: very broken and hilly
Soil Third rate Hard dry clay
Timber; Elm, Cottonwood and Cedar

Between Ranges 16 and 17 W. T. ~~19~~ 20 North

North between secs. 7 and 12
Va. 13° 12' East

5	30	Ravine course West Sides skirted with Timber
17	50	Ravine course West
40	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.
54	40	Ravine course N. W.
67	60	Ravine course N. W.
71	00	Ravine course West
80	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to secs. 6, 7, 1 and 12

Land: very broken and hilly
Soil: Hard rate clay Third rate
Timber: Elm Cottonwood and Cedar

July 9th 1868

Between Ranges 16 and 17 W. T. 20 North

North between secs. 6 and 1
Va 13° 12' E

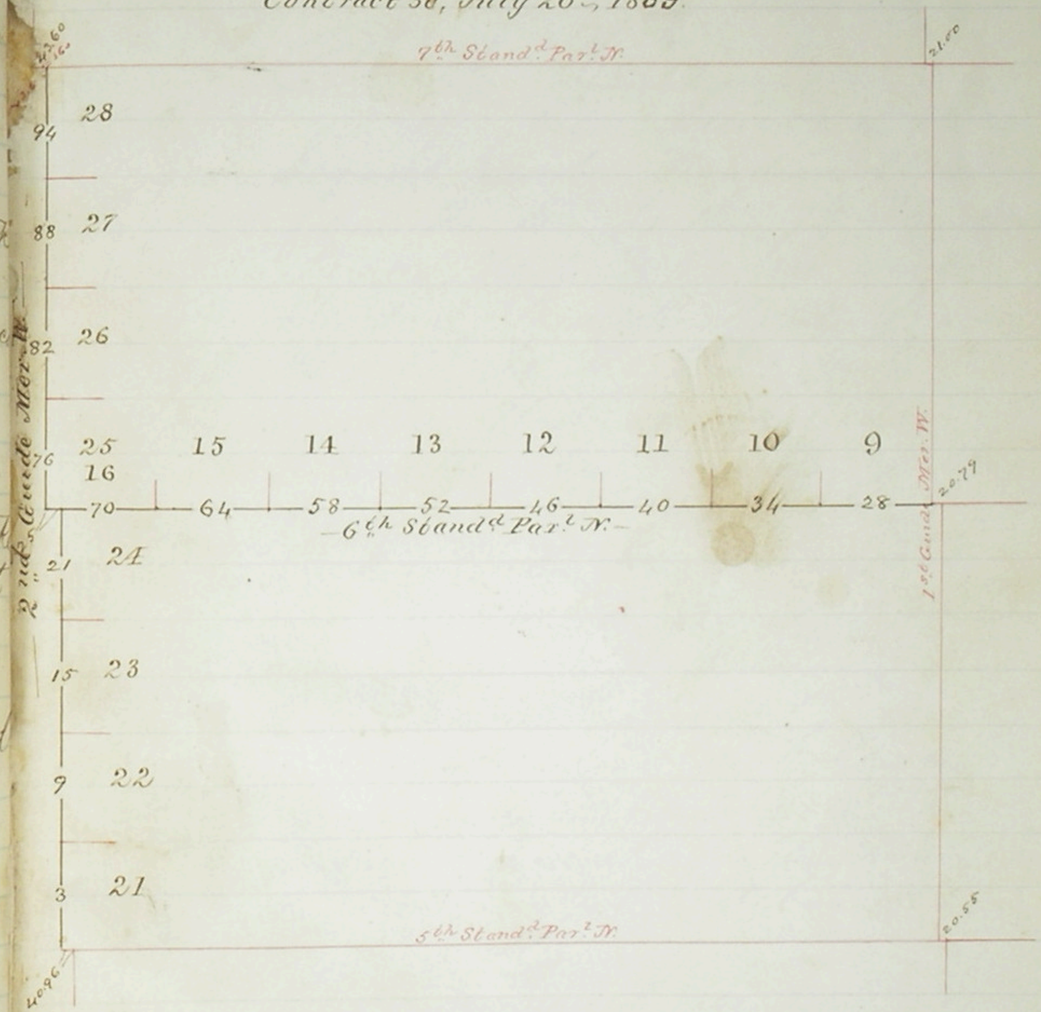
39.70 Ravine course N. E.
40 00 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. c
62 00 Same Ravine course N. W.
62 40 Same Ravine course N. E.
69 70 Same Ravine course ~~S~~ N. W.
80 00 Set post deposited charred stake and raised mound of earth with pits as per instructions for Closing Corner to Townships Twenty North of Ranges 16 and 17 West on 5th Standard Parallel North.
Land very broken and hilly
Soil hard clay 3d rate

For Field Notes for convergency see Book of 5th Standard Parallel North. Range 9 West –

Ex. B.

N. J. Paul

Contract 30, July 26 – 1869.



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Field Notes

of the Survey of the Second Guide Meridian West, from the 5th to the 7th Standard Parallel North and the Sixth Standard Parallel North from the 1st to the 2nd Guide Meridian West in the State of Nebraska, by Nicholas J. Paul, deputy Surveyor, under joint contract No. 30, bearing date the 26th day of July A.D. 1869, wherein the said Nicholas J. Paul and George S. Gilbert are joint Contractors with Robert R. Livingston, United States Surveyor General, for the District of Iowa and Nebraska.

Survey commenced July 21st 1870
Survey completed July 30th 1870

Names and duties of assistant

Robert Harvey	Chainman
Lot C. Griffith	Chainman
Geo. B.M. Balston	Chainman
Louis A. Boyd	Chainman
Bevington A. Savage	Cornerman
Daniel Livingston	Cornerman
Walter Lawrence	Flagman

Between Ranges 16 and 17 West & 21 North

Begin at the post in Mound the established Standard Corner to Townships 21 N. Ranges 16 and 17 West and run
North on the range line between Sections 31 and 36
Variation by Burt's improved Solar Compass 13°42' East

40.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 Sec. Cor.

80.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to secs 30. 31. 25 and 36

Land very broken Clay hills
Soil. Thirdrate - Worthless -

Between Ranges 16 and 17 W T. 21 North

North between Secs 25 and 30
Va. 13°42' E

16.00 Leave Upland and enter Valley bearing East and West

40.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.

80.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to sections 19. 30. 24 and 25
Upland broken Thirdrate
Valley level Soil dry Sandy good Secondrate

Note: Bevington H. Savage being unfit for Flagman is assigned duty as Cornerman. Walter Lawrence will take Savage's place as Flagman and L. A. Boyd, extra man will be assigned duty as chainman.

Between Ranges 16 and 17 W T. 21 N

North between Secs. 19 and 24
Va. 13°42' E

1.85 Set post deposited charred stake and raised mound of earth with pits as per instructions for Meander corner on the Right Bank of the North Branch of Soup River.
The river runs East at this point and the water being very shallow, the line is continued across by chaining

10.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for Meander corner on the left Bank of the river

34.00 Leave Valley and enter Sand hills bearing East and West.

40.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec cor

80.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to sections 18. 19. 13 and 24
Bottom. dry Sandy Second rate
Upland broken Sandhills Thirdrate

Between Ranges 16 and 17 W. T. 21 North.

North between Secs. 13 and 18
Va. 13°42

40.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 Sec cor

80.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to sections 7, 18 12 and 13

Land Rough broken Sandhills
Soil worthless Thirdrate

Between Ranges 16 and 17 W T 21 North

North between Secs 7 and 12
Va 13°42' E

40.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 Sec. cor.

80.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to secs 6. 7. 1 and 12.

Land Broken Sandhills
Soil. Thirdrate worthless

Between Ranges 16 and 17 W of 21 N.

North between Secs 6 and 1

Va. 13°42' E

40.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 Sec Cor

80.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to Townships 21 and 22 N, Ranges 16 and 17 West

Broken Sandhills

Soil Thirdrate worthless

Between Ranges 16 and 17 W. of 22 N

North between Secs 31 and 36

Va. 13°42' E

30.00 Leave Upland and enter Bottom bears NW and SE

40.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 Sec. Cor.

68.70 Calamus River 2.50 chs wide runs SE. Swift current. Quick-Sand Bottom low Banks- entirely destitute of timber

80.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to sections 30. 31. 25 and 36

Upland broken Thirdrate

Bottom. dry Sandy good 2nd rate

Between Ranges 16 and 17 W. T. 22 N

North between Secs. 25 and 30

Va. 13° 39' E

40.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 Sec cor

45.00 Leave Valley and enter Sandhills bearing NW and S.E.

80.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to secs. 19. 30. 24 and 25

Bottom Sandy loam 2nd rate

Upland Sandhills Thirdrate

Between Ranges 16 and 17 W T. 22 N

North between secs 19 and 24

Va. 13° 39' E

40.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 Sec. Cor.

80.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to sections 18, 19, 13 and 24

Land - Sandhills

Soil Thirdrate

Between Ranges 16 and 17 W T 22 N

North between Secs. 13 and 18
Va. 13° 39' E

40.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 Sec. Cor

80.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to sections 7, 18, 12 and 13
Land – Sand hills
Soil. Thirdrate – worthless.

Between Ranges 16 and 17 W. T. 22 N

North between Secs 7 and 12
Va. 13° 39' E

40.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.

80.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to secs 6, 7, 1 and 12
Land. Sandhills
Soil. Thirdrate

Between Ranges 16 and 17 W of 2 2 N

North between Secs 6 and 1
Va 13° 39' E

40.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec Cor

80.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to Townships 22 and 23 N. Ranges 16 and 17 West
Land - Sandhills
Soil. Thirdrate

July 21st 1870

Between Ranges 16 and 17 W of 2 3 N

North between Secs. 31 and 36
Va 13° 39' E

40.00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec Cor.

80.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to sections 30. 31. 25 and 36
Land Sand hills
Soil. Thirdrate

Between Ranges 16 and 17 W of 23 M

North between secs 25 and 30
Va 13° 36' E

4000 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec cor

8000 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to sections 19, 30, 24 and 25

Land - Sand hills
Soil Thundrate

Between Ranges 16 and 17 W of 23 M

North between Secs 19 and 24
Va, 13° 36' E

4000 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 Sec. cor.

8000 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to Sections 18, 19, 13 and 24

Land - Sand Hills
Soil Thundrate

Between Ranges 16 and 17 W of 23

North between Secs 13 and 18
Va 13° 30' E

40.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 Sec cor

80.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to sections 7, 18, 12 and 13

Land - Sand hills
Soil Third rate

Between Ranges 16 and 17 W of 23 W

North between secs 7 and 12
Va 13° 30' E

40.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec cor

80.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to sections no 6, 7, 1 & 12

Land Sand hills
Soil Third rate

Between Ranges 16 and 17 W of 23 N

North between Secs 6 and 1
Va, 13° 30' E

40.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 Sec cor

80.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to Townships 23 and 24 N, Ranges 16 and 17 West

Land Sandy, Hills
Soil Hardpan

Between Ranges 16 and 17 W of 24 N

North between Secs 31 and 36
Va, 13° 30' E

40.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 Sec Cor

80.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to sections 30. 31. 25 and 36

Land, Sandy hills
Soil Hardpan

Between Ranges 16 and 17 W T. 24 N

North between Secs 25 and 30
Va, 13° 30' E

40.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 Sec Cor

80.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to Sections 19, 30, 24, and 25

Land Sandhills
Soil Thirdrate

Between Ranges 16 and 17 W T 24 N

North between Secs 19 and 24
Va, 13° 27' E

40.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 Sec Cor

80.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to secs. 18, 19, 13 and 24

Land Sand hills
Soil Thirdrate

Between Ranges 16 and 17 W T 24 N

North between Secs. 13 and 18
Va. 13° 27' E

40.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec cor

80.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to sections 7, 18, 12 and 13

Land Sand hills
Soil Thirdrate

Between Ranges 16 and 17 W T. 24 N

North between Secs 7 and 12
Va. 13° 24' E

40.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 Sec. cor

80.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for sections 6, 7, 1 and 12

Land Sand hills
Soil Thirdrate

Between Ranges 16 and 17 W. T. 24 N

North between Secs 6 and 1
Va. 13° 24' E

4000 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. Cor.

8000 Set post deposited charred stake and raised mound of earth with pits as per instructions for Closing Corner to Township 24 N Ranges 16 and 17 West on the Sixth Standard Parallel North, from this corner I run West for convergency

H 1.58 and Set temporary 1/4 sec Cor

41.58 Set temporary Standard corner to Township 25 North of Ranges 16 and 17 West, being the 6th initial point of the Second Guide Meridian West.

July 22nd 1870

Second Guide Meridian West

Between Ranges 16 and 17 W T. 25 N.

For beginning of line look at Bottom of Page

North between secs 25 and 30
Va. 13° 27' E

4000 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec Cor.

8000 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to sections 19, 30, 24 and 25

Land Rolling Sandhills
Soil Thirdrate

Note From the Standard corner to Township 25 North bet. Ranges 16 and 17 West on 6th Standard Parallel North I run

North on the range line bet Sections 31 and 36.
Va 13° 27' East

40.00 Set post, deposit charred stake, raised mound of earth with pits as per instructions for 1/4 sec Cor

80.00 Set post, deposit charred stake raised mound of earth with pits, as per instructions for corner to Sections 30, 31, 25 and 36

Land Sand hills Soil third rate.

Between Ranges 16 and 17 W of 25 N.

North between Sections 19 and 24
Va, 13° 27' E

40.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. Cor

80.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to sections 18, 19, 13 and 24
Land Sandhills
Soil, Thirdrate

Between Ranges 16 and 17 W of 25 N.

North between Sections 13 and 18
Va, 13° 30' E

40.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec Cor.

80.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to sections 7, 18 12 and 13
Land, Sandhills, Soil, Thirdrate

Between Ranges 16 and 17 W T 25 N

North between Sections 7 and 12
Va. 13° 30' E

4000 Set post deposited charred stake and raised a mound of earth with pits as per instructions for 1/4 sec Cor

8000 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to sections 6, 7, 1 and 12

Land Sand hills
Soil, Thirdrate

Between Ranges 16 and 17 W T 25 N

North between secs 6 and 1
Va 13° 30' E

4000 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec Cor

8000 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to Townships 25 and 26 North Ranges 16 and 17 West

Land Sandhills
Soil, Thirdrate

Between Ranges 16 and 17 W. T. 26 N

North between Secs. 31 and 36
Va. 13° 30' E

4000 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 Sec. Cor.

8000 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to Sections 30, 31, 25 and 36
Land Sandhills
Soil Third rate

Between Ranges 16 and 17 W. T. 26 N

North between Sections 25 and 30
Va. 13° 33' E

4000 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 Sec Cor

8000 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to Sections 19, 30, 24 and 25
Sand hills - Soil 3d rate

Between Ranges 16 and 17 W. T. 26 N

North between Secs 19 and 24
Va. 13° 36' E

40,00 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec Cor

8000 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to Sections 18, 19, 13 and 24
Sand Hills. Soil, 3d rate

Between Ranges 16 and 17 W T 26 N

North between Secs 13 and 18
Va 13° 36' E

40,00 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 Sec Cor

70,00 Leave Sand hills and enter Plain bearing NW and SE

8000 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to sections 7, 18, 12 and 13
Sand Third rate
Plain level good 2nd rate

Between Ranges 16 and 17 W T. 26 N

North between Secs 7 and 12
Va. 13° 39' E

4000 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. Cor

60.00 Leave Plain and enter Sand hills bearing Nwand Sc

80.00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for corner to sections 6, 7, 1 and 12
Plain level good, Secondrate
Sandhills Thirdrate

Between Ranges 16 and 17 W T. 26 N

North between Secs. 6 and 1
Va. 13° 39' E

4000 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 Sec Cor.

8000 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to Townships 26 and 27 North
Ranges 16 and 17 West
Sand hills - Soil, Thirdrate

July 29th 1870

Between Ranges 16 and 17 W T. 27 N.

North between Secs 31 and 36
Va 13° 42' E

40.00	Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 Sec Cor
80.00	Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to secs 30, 31. 25 and 36

Land Sand hills. Soil 3d rate

Between Ranges 16 and 17 W T. 27 N.

North between Sections 25 and 30
Va, 13° 42' E

30.00	Leave Sand hills and enter low level Plain bearing East and West
40.00	Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 Sec. Cor
80.00	Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to sections 19, 30. 24 and 25

Sand hills. Thirdrate
Plain level rich firstrate
Black Sandy loam

Between Ranges 16 and 17 W. T. 27 N.

North between Secs. 19 and 24
Va. 13° 42' E.

10.00 Leave Plain and Enter Sandhills bearing NW and SE

40.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 Sec cor

55.00 Leave Sandhills and enter level Plain bearing E and W

80.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to sections 18, 19, 13 and 24

Sand hills, Thirdrate
Plain Rich, firstrate

Between Ranges 16 and 17 W T. 27 N

North between Sections 13 and 18
Va. 13° 42' E

40.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 Sec cor

80.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to Sections 7, 18, 12 and 13

Land level Soil good rich first rate Black loam

Between Ranges 16 and 17 W T 27 N.

North between Secs 7 and 12
Va 13° 42' E.

40,00 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec Cor.

50,00 Leave Plain and enter hills bearing East and West

80,00 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to sections 6, 7, 1 and 12

Plain good rich 1st rate
Hills Sandy Third rate

Between Ranges 16 and 17 W T 27 N

North between Secs. 6 and 1
Va. 13° 45' E

20,00 Leave Sandy hills and enter Plain bearing East and West

40,00 Set post deposited charred stake and raised mound of earth with pits as per instructions

80,00 Set post deposited charred stake and raised mound of earth with pits as per instructions for Corner to Townships 27 and 28 North Ranges 16 and 17 West

Sand hills 3d rate
Plain rich 1st rate

Between Ranges 16 and 17 W T. 28 N

North between Secs 31 and 36
Va. 13°45' E

4000 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec Cor

6000 Leave Plain and enter Sand hills bearing East and West.

8000 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to Sections 30. 31. 25 and 36
Plain level rich Prairie
Balance hilly Thirdrate

Between Ranges 16 and 17 W T. 28 N.

North between Secs. 25 and 30
Va. 13°45' E

4000 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 Sec Cor.

8000 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to Sections 19, 30, 24 and 25
Land Sandy hills
Soil Thirdrate

Between Ranges 16 and 17 W. T. 28 N.

North between Secs. 19 and 24
Va. 13° 45' E.

4000 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 Sec Cor.

8000 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to Sections 18, 19, 13 and 24

Land hills - Soil, Hardpan

Between Ranges 16 and 17 W. T. 28 N.

North between Secs. 13 and 18
Va. 13° 45' E

4000 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 Sec cor.

8000 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to sections 7, 18, 12 and 13

Land Sand hills
Soil Hardpan

Between Ranges 16 and 17 W T. 28 N

North between Secs. 7 and 12
Va. 13° 45' E.

40.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. Cor.

70.00 Leave Sandhills and enter level plain bearing N. 10 and S. E.

80.00 Set post deposited charred stake and raised mound of Earth with pits as per instructions for corner to Sections 6 7, 1 and 12

Sandhills - Thirdrate
Plain, level, firstrate —

Between Ranges 16 and 17 W. T. 28 N.

North between Sections 1 and 6
Va. 13° 45' E

40.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. Cor.

60.00 Leave Plain and enter Sand hills bearing N. 10 and S. E.

76.70 Intersected the 17th Standard Parallel North at three chains and Sixty links East of the 1/4 Sec. Cor. on the South Boundary of section 31 in Township 29 N Range 16 West at which point I set post deposited charred stake and raised mound of earth with pits as per instructions for Closing Corner to Townships 28 North of Ranges 16 and 17 West

Plain level, Soil firstrate
Balance Sandy Thirdrate

July 28th 1870

General Description

Of the Country traversed by the Second Guide Meridian West from the 5th to the 7th Standard Parallel North and by the 6th Standard Parallel North from the first to the Second Guide Meridian West, in Nebraska.

The land South of the North branch of the Soup River is very rough broken hard dry clay hills - too rough for cultivation. There is considerable timber of the various kinds of Elm Cedar Ash Bur Oak and Cottonwood, in the numerous Canons that abound on this side of the River. The Valley of the North Branch is a dry Sandy loam - good Secondrate - There is but

General Description

very little timber on the River in the vicinity of this line. North of the River the line runs across a point of high broken Sandhills, thirdrate and worthless, until it Strikes the Valley of New (Calamus) River in Township 22 N. New River Valley is a good rich Sandy loam, entirely destitute of timber of any kind. The general course of this River is S.E. From New River to the 7th Standard Parallel the line passes through the Sandhills where the Soil is thirdrate and worthless for agricultural purposes except some low valys that are designated in the body of the foregoing Field Notes. Water is easily obtained on this line North of New River by digging from five to Eight feet in the lower Situations -

General Description

The 6th Standard Parallel, from the Standard corner to Tps. 25 N. Ranges 16 and 17 W. Eastward 26 miles continues through a region of Sandhills interspersed with rich alluvial Vales as designated in the field Notes. From this point it continues to the first Guide West through a level or gently rolling region where the Soil is generally first rate producing a heavy nutritious growth of grass. Water is easily obtained by digging from 4 to 8 feet anywhere along the line. The Creek crossing the Parallel in Range 9 West is a Beautiful Spring water Branch tributary to the Elkhorn River and entirely destitute of timber

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 the Second Guide Meridian West from the 5th to the 17th Standard Parallel N. and the 6th Standard Parallel N. from the 1st to the 2nd Guide Meridian West, of the 6th Principal Meridian in the State of Nebraska, showing the respective capacities in which they acted:—

Robert Harvey, Chainman
Lot C. Griffith, Chainman
Geo. B. W. Batston, Chainman
Louis A. Boyd, Chainman
Bevington H. Savage, Cornerman
Daniel Livingston, Cornerman
Walter Lawrence, Flagman

We hereby certify that we assisted Nicholas J. Paul, deputy Surveyor, in Surveying the Second Guide Meridian West from the 5th to the 7th Standard Parallel N. and the 6th Standard Parallel N. from the first to the Second Guide Meridian West of the 6th Principal Meridian in the State of Nebraska, and that said lines have been in all respects, to the best of our knowledge and belief well and faithfully surveyed and the Boundary monuments planted according to the instructions furnished by the Surveyor General.

Robert Harvey Chainman
Sol. C. Griffith Chainman
George B. Walton Chainman
~~Chainman~~
Daniel Livingston Cornerman
Benjamin Hogue Cornerman
Walter Lawrence Flagman

Subscribed and sworn to by the above named persons before me a Notary Public for Douglas County in the State of Nebraska this 21st day of October A.D. 1870

Lewis J. Reed
Notary Public

I hereby certify that I assisted Nicholas J. Paul, deputy Surveyor, in Surveying the Second Guide Meridian West from the 5th to the 7th Standard Parallel North and the 6th Standard Parallel North from the 1st to the 2nd Guide Meridian, West, of the 6th Principal Meridian, in the State of Nebraska, and that said lines have been, in all respects to the best of my knowledge and belief, well and faithfully surveyed and the Boundary monuments planted according to the instructions furnished by the Surveyor General.

L. A. Boyd Chainman

Subscribed and sworn to by the above named person, before me a Probate Judge for the County of Madison in the State of Nebraska, this 17 day of October 1870.

Jos. Mathewson
Probate Judge

I, Nicholas J. Paul, deputy Surveyor, do solemnly swear that, in pursuance of a joint Contract, wherein Nicholas J. Paul and George D. Gilbert are joint Contractors with Robert R. Livingston, United States Surveyor General for the District of Iowa and Nebraska, bearing date the 26th day of July A.D. 1869, I have well, faithfully and truly, in my own proper person and in strict conformity with the instructions furnished by the Surveyor General, the Surveying Manual, and the laws of the United States Surveyed the Second Guide Meridian West from the 5th to the 7th Standard Parallel N, and the 6th Standard Parallel N, from the 1st to the 2nd Guide Meridian West, of the 6th Principal Meridian in the State of Nebraska, as represented in the forgoing field Notes as having been done under my direction: And I do further solemnly swear that, all the Corners of said Survey have been established and perpetuated in strict accordance with the Surveying Manual and printed Instructions and that the

foregoing are the true and original field Notes of such Survey.

Nicholas J. Paul
deputy Surveyor

Subscribed and Sworn to by said Nicholas J. Paul, deputy Surveyor, before me a Notary Public in and for Douglas County in the State of Nebraska, this 22nd day of October 1870

Lewis S. Reed
Notary Public

Surveyor General's Office
Plattsmouth Neb. Dec. 8th. 1870.

The foregoing field Notes of the Survey of the Second Guide Meridian West from the 5th to the 7th Standard Parallel North, and the 6th Standard Parallel North from the 1st to the 2nd Guide Meridian West of the 6th Principal Meridian in the State of Nebraska, executed by Nicholas J. Paul under joint Contract of the 26th day of July 1869 wherein Nicholas J. Paul and George D. Gilbert are joint Contractors, in the months of July 1870. having been critically examined, the necessary Corrections and Explanations made, the said field notes and the Surveys they describe are hereby approved.

Robt. R. Livingston
Surveyor General.

C

Field Notes

of

the survey of the 2nd Guide Meridian W., from the 7th Standard Parallel North, North to the Neobrarah River, surveyed by H. C. F. Hackbusch, Deputy Surveyor, under joint contract No. 313, dated May 12th, 1865, wherin H. C. F. Hackbusch and Robt. Armstrong are joint contractors.

Survey:

commenced, August 15th, 1865
completed, August 17th, 1865

The surveying in oaths are attached to the field notes of the 7th Standard Parallel N. from the 1st to 2nd G. M. N. and the surveying oaths, to the 8th S. P. N. from the 2nd G. M. N. to the Niobrarah River.

Names and duties of assistants.

David E. Bagley,	Chainman.
Robert A. Ales,	Chainman.
William Malchow,	Chainman.
William Stufer,	Chainman.
Elijah Reddick,	Axeman.
Frank Wortmann,	Axeman.
William A. Butt,	Flagman.

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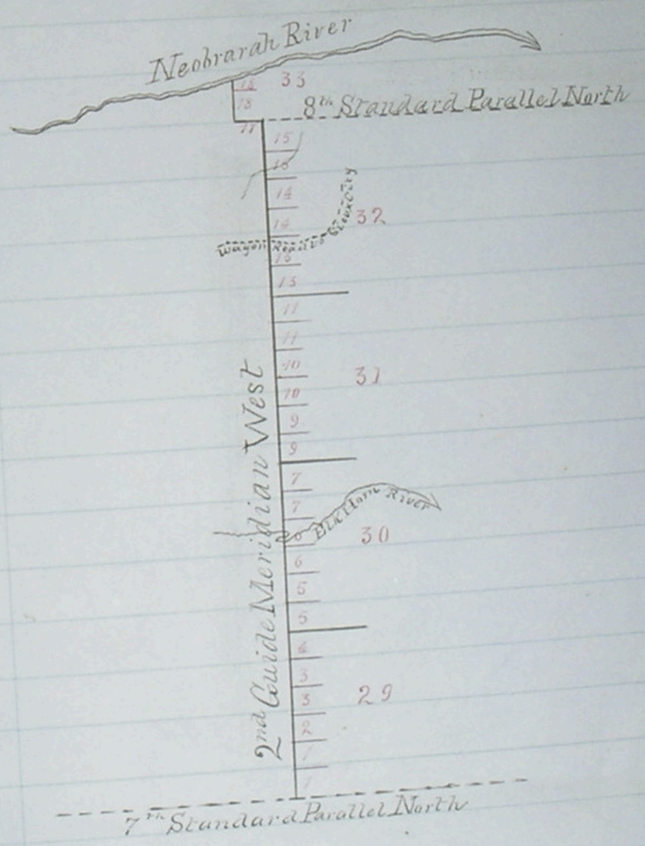

Between Ranges 16 and 17 W. T. 29 N.

Begin at the established standard corner on the 7th Standard Parallel North, the corner to secs. 31 and 36, and Townships 29 N. of Ranges 16 and 17 West, and run, as per instructions, North on a true meridian between Ranges 16 and 17 West, Township 29 North.

North, between secs. 31 and 36

Variation by Burt's improved solar compass 13° 56' East

40 00 Set post, deposited charred stake and raised mound with pits as per instructions for 1/4 sec. corner.

80.00 Set post, deposited charred stake and raised mound with pits as per instructions for corner to secs. 25. 30. 31 & 36

Land hilly, sandy and worthless

North, between sec. 25 and 30

Between Ranges 16 and 17 West,
Township 29 North

Va. 13° 50' East

40.00 Set post, deposited charred stake and raised mound with pits as per instructions for 1/4 sec. corner

80.00 Set post, deposited charred stake and raised mound with pits as per instructions for corner to secs. 19. 24. 25 and 30
Land hilly; soil sandy and worthless

North, between secs. 19 and 24
Va. 13° 45' East

40.00 Set post, deposited charred stake and raised mound with pits as per instructions for 1/4 sec. corner.

80.00 Set post, deposited charred stake and raised mound with pits as per instructions for corner to secs. 13. 18. 19 and 24
Land hilly; soil worthless

Between Ranges 16 and 17 W. T. 29 North

North, between secs. 13 and 18
Va. 13° 48' East

11.00 Leave sand hills and enter gently rolling land, bears East and West

40.00 Set post, deposited charred stake and raised mound with pits as per instruction for 1/4 sec. corner

80.00 Set post, deposited charred stake and raised mound with pits as per instructions for corner to sec. 7. 12. 13 and 18
Land broken and rolling; soil worthless

North, between secs. 7 and 12
Va. 13° 48' East

40.00 Set post, deposited charred stake and raised mound with pits as per instructions for 1/4 sec. corner

80.00 Set post, deposited charred stake and raised mound with pits as per instructions for corner to secs. 1. 6. 7 and 12

Between Ranges 16 and 17 West, T. 29 North.

Land nearly level; soil 2nd rate

North, between secs. 1 and 6
Va. 13° 48' East

40.00 Set post, deposited charred stake and raised mound with pits as per instructions for 1/4 sec. corner.

80.00 Set post, deposited charred stake and raised mound with pits as per instructions for corner to Townships 29 and 30 N. of Ranges 16 and 17 West, and sections 1. 6. 31 and 36

Land nearly level; soil 3rd rate

Between Ranges 16 and 17 W. T. 30 North

North, between secs. 31 and 36
Va. 13° 50' East

40.00 Set post, deposited charred stake and raised mound with pits as per instructions for 1/4 sec. corner

80.00 Set post, deposited charred stake, and raised mound with pits as per instructions for corner to secs. 25, 30, 31 and 36

Land rolling; soil 3rd rate

North, between secs. 25 and 30
Va. 13° 55' East

40.00 Set post, deposited charred stake and raised mound with pits as per instruction for 1/4 sec. corner,

80.00 Set post, deposited charred stake and raised mound with pits as per instructions for corner to secs. 19. 24. 25 & 30

Land nearly level, soil 3rd rate

Between Ranges 16 and 17 West, T. 30 North

North, between secs. 19 and 24
Va. 14° East

40.00 Set post, deposited charred stake and raised mound with pits as per instructions for 1/4 sec. corner

80.00 Set post, deposited charred stake and raised mound with pits as per instructions for corner to secs. 13, 18, 19 and 24
Land level; soil 3rd rate

North, between secs. 13 and 18
Va. 14° East

40.00 Set post, deposited charred stake and raised mound with pits as per instructions for 1/4 sec. corner

42.00 To a Creek (Elk-Horn) 10 lks. wide, 2 rms East

43.00 To same Creek, 10 lks. wide, 2 rms N.W. S.W.

43.52 To same Creek, 10 lks. wide 2 rms N.E. S.E.

80.00 Set post, deposited charred stake and raised mound with pits as per instructions

Between Ranges 16 and 17 W. T. 30 N.

for corner to sections 7, 12, 13 and 18
Land level; soil 1st rate

North, between secs. 7 and 12
Va. 14° East

40.00 Set post, deposited charred stake and raised mound with pits as per instructions for 1/4 sec. corner.

80.00 Set post, deposited charred stake and raised mound with pits as per instructions for corner to secs. 1, 6, 7 and 12
Land level; soil 2nd rate
August 15th, 1865

North, between secs. 1 and 6
Va. 14° East

40.00 Set post, deposited charred stake and raised mound with pits as per instructions for 1/4 sec. corner

80.00 Set post, deposited charred stake and

Between Ranges 16 and 17 W. T. 30 N.

raised mound with pits as per instructions for corner to Townships 30 and 31 N. of Ranges 16 and 17 West, and sections 1. 6. 31 and 36
Land level; soil 2nd rate

Between Ranges 16 and 17 W. T. 31 N.

North, between secs. 31 and 36
Va. 14° East

40.00 Set post, deposited charred stake and raised mound with pits as per instructions for 1/4 sec. corner

80.00 Set post, deposited charred stake and raised mound with pits as per instructions for corner to secs. 25. 30. 31 and 36
Land level; soil 3rd rate

North, between secs. 25 and 30
Va. 14° East

40.00 Set post, deposited charred stake and raised mound with pits as per instructions for 1/4 sec. corner

80.00 Set post, deposited charred stake and raised mound with pits as per instructions for corner to secs. 19. 24. 25 and 30
Land gently rolling; soil worthless

Between Ranges 16 and 17 W. T. 31 N.

North, between secs. 19 and 24
Va. 14° East

40.00 Set post, deposited charred stake and raised mound with pits as per instructions for 1/4 sec. corner

80.00 Set post, deposited charred stake and raised mound with pits as per instructions for corner to sections 13. 18, 19 and 24

Land rolling; soil 3rd rate

North, between secs. 13 and 18
Va. 14° East

40.00 Set post, deposited charred stake and raised mound with pits as per instructions for 1/4 sec. corner

80.00 Set post, deposited charred stake and raised mound with pits as per instructions for corner to secs. 7. 12, 13 and 18

Land level, soil 3rd rate.

Between Ranges 16 and 17 W. T. 31 North

North, between secs. 7 and 12
Va. 14° 6' East

40.00 Set post, deposited charred stake and raised mound with pits as per instructions for 1/4 sec. corner

80.00 Set post, deposited charred stake and raised mound with pits as per instructions for corner to secs. 1. 6. 7 and 12

Land gently rolling; soil 3rd rate

North, between secs. 1 and 6
Va. 14° 6' East

40.00 Set post, deposited charred stake and raised mound with pits as per instructions for 1/4 sec. corner

80.00 Set post, deposited charred stake and raised mound with pits as per instructions for corner to Townships 31 and 32 North, Ranges 16 and 17 West, and secs. 1. 6. 31 and 36.

Between Ranges 16 and 17 W. T. 31 North

Land high and level; soil 3rd rate

Between Ranges 16 and 17 W. T. 32 North

North, between secs. 31 and 36
Va. 14° 6' East

40.00 Set post, deposited charred stake and raised mound with pits as per instructions for 1/4 sec. corner

80.00 Set post, deposited charred stake and raised mound with pits as per instructions for corner to secs. 25. 30. 31 and 36

Land rolling; soil worthless

North, between secs. 25 and 30
Va. 14° 6' East

40.00 Set post, deposited charred stake and raised mound with pits as per instructions for 1/4 sec. corner

61.20 To Wagon Road, from Sioux City to Gold Region, bears N. 85° E. and S. 85° W.

80.00 Set post, deposited charred stake, and raised mound with pits as per instructions for corner to secs. 19. 24. 25 and 30

Between Ranges 16 and 17 W. Township 32 North

Land hilly, sandy and worthless

North, between secs. 19 and 24
Va. 14° East

40.00 Set post, deposited charred stake and raised mound with pits as per instructions for 1/4 sec. corner

80.00 Set post, deposited charred stake and raised mound with pits as per instructions for corner to secs. 13, 18, 19 and 24
Land rolling; soil 3d rate

North, between secs. 13 and 18
Va. 14° East

40.00 Set post, deposited charred stake and raised mound with pits as per instructions for 1/4 sec. corner

80.00 Set post, deposited charred stake and raised mound with pits as per instructions for corner to secs. 7, 12, 13 and 18

Between Ranges 16 and 17 W. Township 32 North

Land rolling; soil sandy

North, between secs. 7 and 12
Va. 14° East

20.75 To a spring branch, 3 lks. wide, runs East; general course N. E.

40.00 Set post, deposited charred stake and raised mound with pits as per instructions for 1/4 sec. corner

80.00 Set post, deposited charred stake and raised mound with pits as per instructions for corner to secs. 1, 6, 7 and 12
Land rolling; soil 3rd rate
August 16th, 1865

North, between secs. 1 and 6
Va. 14° East

40.00 Set post, deposited charred stake and raised mound with pits as per instructions for 1/4 sec. corner.

Between Ranges 16 and 17 W. Township 32 North

80.00 Set post, deposited charred stake, and raised mound with pits as per instructions for a closing corner to Townships 32 North of Ranges 16 and 17 West of the 6th principal Meridian, and secs. 1 and 6, at the intersection with the 8th Standard Parallel North.—

Land rolling; soil 3rd rate

South Boundary of Township 33 North of Range 16 West of the 6th principal meridian

Offset of convergency on 8th Standard Parallel North.—

From the closing corner to Townships 32 N. Ranges 16 and 17 West, at the intersection of the 2nd Guide meridian with the 8th Standard Parallel N., I run, as per special instructions, West, along the 8th Standard Parallel North, and on the South side of sec. 31

Va. 14' East

42.62 Set a Cedar post 5 inches dia., deposited charred stake, and raised mound with pits as per instructions for Standard Corner to Townships 33 North of Ranges 16 and 17 W. and secs. 31 and 36

Land rolling; soil 3rd rate

From the established standard corner on the 8th Standard Parallel North, the corner to Townships 33 N. of Ranges 16 and 17 West, and secs. 31 and 36, I run on a true meridian with the 2nd Guide Meridian West,

North, between secs. 31 and 36

Va. 14° East

18.50 To Indian trail, bears N. 80° W. and S. 80° E.

40.00 Set post, deposited charred stake and raised mound with pits as per instructions for 1/4 sec. corner

80.00 Set post, deposited charred stake and raised mound with pits as per instructions for corner to secs. 25. 30. 31 and 36

Land rolling; soil 3rd rate

North, between secs. 25 and 30

Va. 14° East

26.00 As it is impossible to establish permanantly

the corner to fractional secs. 25 and 30 on bank of River, I, therefore, at this point, 3.23 chs. South of the true point, set a cedar post 6 in. dia., deposited charred stake and raised mound with pits as per instructions for a witness corner to fractional secs. 25 and 30

26.50 Leave rolling upland and enter marsh, bears N. 80 E. and S. 80 W.

29.23 To right bank of Neobrarah River, runs N. 80° E. — The river is about 1/4 of a mile wide. The water is very low, and many sand bars visible. — About 6 chs. East and West of line is some good timber consisting of Bur Oak, Cottonwood, Willow and good quality of Red Cedar.

Land rolling; soil 3rd rate

August 17th, 1865

General Description.

The 2nd Guide Meridian runs through a very poor country. The land is mostly unfit for cultivation. It is a white, sandy soil, which will produce hardly any thing.— Timber and water are two articles that are very scarce.— From the 7th Standard Parallel N. until within three miles of the Neobrarah is no timber at all.

There is some scattering timber, consisting of Bur Oak, Cottonwood, Ash, Cedar and Elm, along the Neobrarah and tributaries.— In Township 30 N., between secs. 13 and 18, I crossed Elk Horn River, which heads about four or five miles West in the Sand hills. This stream is about 10 lks. wide here, contains but a very little water, and has more the appearance of a slough than a Creek.— Between secs. 25 and 30 in T. 32 N. the line crosses the Wagon Road from Sioux City to the Gold Regions.

The Neobrarah is a stream about 1/4 of a mile wide, with abrupt banks and swift current. There is not a large valume of water flowing

in its bed at present. It is not a navigable stream, nor can it be made so. The water is clear, although it flows through a loose and sandy soil.— It is difficult to cross the stream on account of the quick-sand bottom.

There are fish in the River, but I were unable to ascertain the different species.—

No stone of any kind were discovered. I found the tops of hills near the Neobrarah covered with gravel.—

List of Names.

A list of names of the individuals employed to assist in running, measuring, or marking the lines and corners described in the foregoing field notes of the 2nd Guide Meridian West of the 6th principal Meridian, from the 7th Standard Parallel North, North to the Neobrarah River, showing the respective capacities in which they acted:

David E. Bagley,	Chainman.
Robert A. Ales,	Chainman.
William Malchow,	Chainman.
William Stueper,	Chainman.
Elijah Reddick,	Axeman.
Frank Wortmann,	Axeman.
William A. Butt,	Flagman.

Surveyor Generals Office
Leavenworth, Kansas Sept. 23. 1865

The foregoing Field notes of the survey of the Second Guide Meridian West from the Seventh Standard Parallel North, North to the Neobrarah River, executed by H. C. F. Hackbusch, under joint contract No 313. dated May 12th 1865. wherein H. C. F. Hackbusch and Robert Armstrong are joint contractors, in the month of August 1865. having been critically examined the necessary corrections and explanations made, the said field notes and the surveys they describe, are hereby approved

H. L. Sleeper
Surveyor General

in good state of preservation.

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Second Guide Meridian West of the 6th P. M.
Township 33 North Between Ranges 16 and 17 W.

Survey of the

Second Guide Meridian West
of the
Sixth Principal Meridian.

From the Niobrara River to the Keya Paha River.
I begin at the Mound the Initial Point of the 2nd Guide Meridian West on the Eighth Standard Parallel North.
(I found the Mound and pits in a good state of preservation, the post had been pulled up and thrown away, which I found and replaced)
In order to test the course and distance of the Meridian Line I retrace and Measure North to the River, bet Sec. 31 & 36 & aviation 14° 5 E.

40. 00 Intersect the centre of the mound of the quarter Section Corner, the post of which is gone and Mound nearly level with the ground. Pits in good state of preservation

80 00 Intersect Mound corner to 25. 30. 31 & 36
Post gone, Mound nearly obliterated, pits in good state of preservation.

Second Guide Meridian West of the 6th P. M.
Township 33 North, Between Ranges 16 and 17 West

Chains	Links	
		North bet Sections 25 & 30
		Variation 14° 5' East
25	94	To Mound on edge of Marsh, established as Witness to Meander Corner.
		Post gone, Mound and pits in a good state of preservation.
29	22	To the Niobrara River which runs N E
67	03	measured Over River, and set post and Made Mound, From which
		An Elm 9 in. dia. bears N 75° W 13 lks. dist.
		An Elm 5 in dia bears N 33° E 23 lks. dist.
68	00	Foot of Bluffs which bear N E and S W
69	75	Top of Bluffs which bear N. E and S. W
71	00	Ravine filled with grape vines and prickly Ash bears South East
80	00	Set post, deposit Charred Stake raise Mound of earth with pits as per instructions for corner to sections 19. 24. 25 and 30
		Surface Rolling, soil good 2d rate.

North between Sections 19 and 24
Variation 14° 5' East

40	00	Set post deposit Charred stake, raise Mound of earth with pits as per instructions for 1/4 Section Corner

Second Guide Meridian West of the 6th P. M.
Township 33 North Between Ranges 16 and 17 West

47	00	Ravine descends South East.
80	00	Set post, deposit Charred stake, raise Mound of earth with pits as per instructions for corner to sections 13. 18. 19 and 24
		Surface rolling. Soil good 2d rate

North between Sections 13 and 18
Variation 14° 5' East

6	40	Ravine descends South East
40	00	Set post deposit Charred stake, raise Mound of earth, with pits as per instruction for 1/4 Section Corner
80	00	Set post, deposit Charred stake, raise Mound of earth with pits as per instructions for corner to sections 7. 12. 13 and 18
		Surface gently Rolling soil 2d

North between Sections 7 and 12
Variation 14° 5' East

40	00	Set post deposit, Charred stake, raise Mound of earth with pits as per instructions for 1/4 Section Corner.
80	00	Set post deposit Charred stake raise Mound of earth with pits as per instructions for corner to sections 1. 6. 7 & 12
		Surface Gently rolling Soil 2d rate.

as represented in the foregoing field notes as having been surveyed under my direction; and I further solemnly swear that all the corners of said surveys have been established and perpetuated in strict accordance with the Surveying Manual and printed Instructions and that the foregoing are the true and original field notes of such survey

Chauncey Wiltse
Deputy Surveyor

Subscribed by said Chauncey Wiltse, Deputy Surveyor and sworn to before me a Notary Public for the County of Aroostoke, Ohio, this 29th day of August 1874

H. Blanchard
Notary Public

Second Guide Meridian West 6th P. M.

Township 33 North Between Ranges 16 and 17 West

Chains	Links	
		North Between Sections 1 and 6
		Variation 14° 5' East
40	00	Set post, deposit Charred stake raise Mound of earth with pits as per instructions for 1/4 section Corner
80	00	Set post, deposit Charred stake raise Mound of earth, with pits as per instructions for Corner to Townships 33 and 34 North and Ranges 16 and 17 West. Sections 1. 6. 31 & 36
		Surface Gently Rolling, Soil 2d rate.

Second Guide Meridian West of 6th P. M.

Township 34 North Between Ranges 16 and 17 West

Chains	Links	
		North between Sections 31 and 36
		Variation 14° 8' East
29	00	Drain descends N. E.
40	00	Set post, deposit Charred stake, raise Mound of earth with pits as per instructions for 1/4 section Corner
80	00	Set post, deposit Charred stake, raise Mound of earth, with pits as per instructions for corner to sections 25. 30 31 and 36
		Surface rolling, Soil 2d rate

		North between Sections 25 and 30
		Variation 14° 8' East
27	55	Stream 3 links wide runs North West
40	00	Set post, deposit Charred stake, raise Mound of earth with pits as per instructions for 1/4 Section Corner
73	00	Ravine descends N West
80	00	Corner to sections 19. 24. 25 & 30, Set post and Made Mound with pits as per instructions
		From which
		A 18 in Oak 8 in dia bears S 58° W 67 lks dist
		A 18 in Oak 8 in dia bears S 32° E 222 " "
		Surface Rolling Soil 2d rate

Second Guide Meridian West of 6th P. M.

Township 34 North Range 16 & 17 West

Chains	Links	
		North between Sections 19 and 24. Variation 14° 8' East
2	00	Enter bottom bears N.E. and S.W.
4	70	Stream 15 links wide runs N.E.
10.	00	Leave Bottom bears N.E. and S.W.
35	00	Enter bottom bears East and West
40	00	Set post, deposit Charred stake raise Mound of earth with pits as per instructions for 1/4 Section Corner. From which A 1 Bur Oak 14 in dia bears N 13° W. 2 30 lks dist. No other tree near
149	40	Intersect the Keya Paha River and Set post, deposit Charred stake raise Mound of earth with pits as per instructions for Meander corner to fractional Sections 19 and 24. Surface Rolling soil of upland 2d rate, 1 Bottom level soil 1st rate Some scattering 1 Bur Oak trees along the Keya Paha River. August 11th 1872

For Continuation of 2nd Guide Mer. to Tp. Boundary see Notes of Boyd County by Robert Harvey U.S. deputy.

General Description

The Surface of this township is gently rolling, soil varying from 1st to 2d rate. T 33, is watered by the Niobrara River — a wide shallow stream with low banks, quick sand bed and rapid current. Along its Margin there are considerable scattering timber and occasionally groves of large Cottonwood timber.

List of Names.

A list of the names of individuals employed to assist in running, measuring and marking the lines and corners, described in the foregoing field notes of the 2d Guide Meridian West from the South shore of the Niobrara River to the Keya-Paha River; showing the respective capacities in which they acted.

A. B. Campbell } Chainmen
W. A. Smith }
Joseph W. Gay } Mountmen
L. Grenier } Axmen and
C. H. Brown } Flagmen

We hereby certify that we assisted Chauncey Willis, Deputy Surveyor, in surveying the 2d Guide Meridian West of 6th P.M., from the South shore of the Niobrara River to the Keya Paha River, and that said Meridian 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. B. Campbell } Chainmen
W. A. Smith }
Joseph W. Gay } axe Mounted
L. his X mark Grenier } and Flagmen
C. H. Brown

Subscribed and
sworn to by the above
named persons, before
me, a Notary Public
for the County of
Antelope, State of Nebraska
this 24 day of August 1872
H. C. Blanchard
Notary Public

I, Chauncey Wiltse, Deputy
Surveyor, do solemnly swear
that in pursuance of a
joint contract wherein
Chauncey Wiltse Geo. T. Kendall
and Henry Court are joint
contractors with E. E. Cunningham
U.S. Surveyor General for
Iowa and Nebraska, bearing
date the 25th day of June, 1872
I have well, faithfully
and truly in my own proper
person, and in strict conformity
with the instructions
furnished by the Surveyor
General, the Surveying
Manual, and the laws
of the United States
surveyed all that part
of the 2d Guide Meridian
which is between the
South bank of the
Niobrara River and
the Keya-Paha River.

General Land Office • Original Field Notes

Book Number

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

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