General Land Office • Original Field Notes

Book Number

205

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.

5
G.M.W.
North

92.

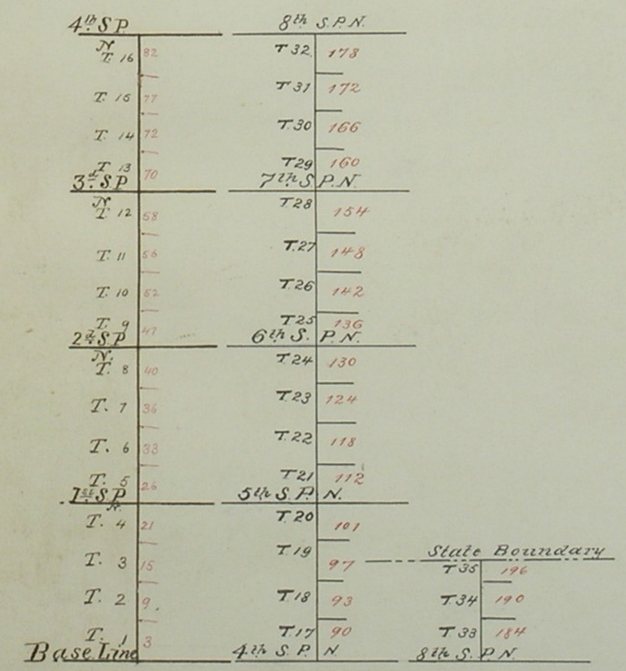
6

INDEX

Diagram

of

5th Guide Meridian West.



Survey and Field notes of the 5th Guide Meridian W. From the State line to the 1st Standard Parallell N in the State of Nebraska, North of the Base Line and West of the 6th Pr. Meridian

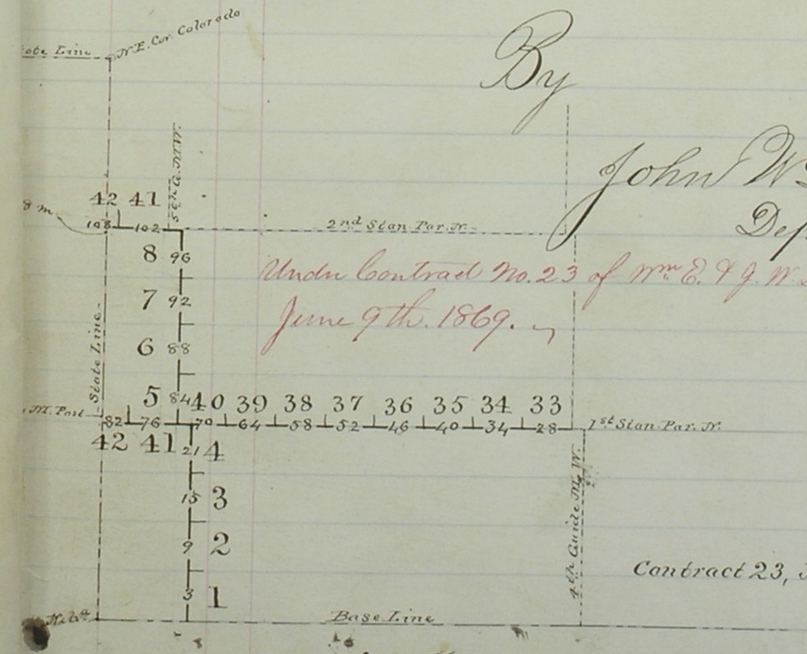
Commenced Oct 1st 1869

Finished Oct 20th 1869

By

John W Daugherty
Deputy Surveyor

Under Contract No. 23 of Mr E. & J. W. Daugherty, dated June 9th. 1869.



Contract 23, June 9, 1869.

Plat. B & L.

2

5th Guide Meridian W. of 6th P. M.

Names of Assistants

Thomas J Baker
Charles P Rivers
John H Miller } Chainmen
Herbert R Wilcox

James D. Baxter
James Rheinard } Axemen

3

Township 1 North

From the State line to the 1st Standard Parallel N.

From Cor. to T. 1 N. R. 40 & 41 W. of 6th P. M. on Base Line, Run

North between Sections 31 and 36

Variation 13° 30' East

40.00 chains Set chained post in mound of earth with pits as per instructions for 1/4 Section corner

80.00 Set chained post in mound of earth with pits as per instructions for corner to Sections 25 30 31 and 36

Surface Rolling soil 1st Rate

5th Guide Meridian West

North between Sections 25 and 30
Variation 13° 50' East

40.00 chains Set chaned post in mound of Earth with pits as per instructions for 1/4 Section corner

34.00 Enter River Bottom Bears East & West

80.00 Set chaned post in mound of Earth with pits as per instructions for corner to Sections 19 24 25 and 30
Surface Rolling Soil 1st Rate

Township No 1 North

North between Sections 19 and 24
Variation 13° 50' East

12.50 chains To Right-bank of Arickaree Fork of Republican River and set a Meander corner being a chaned post in mound of Earth with pits as per instructions

17.53 To Left-bank of River and set chaned post in mound of Earth with pits as per instructions for Meander corner

40.00 Set chaned post in mound of Earth with pits as per instructions for 1/4 Section corner

45.00 Leave River Bottom bears N E & S W and Enter Sand hills

80.00 Set chaned post in mound of Earth with pits as per instructions for corner to Sections 13 18 19 and 24
Surface in River Bottom level Soil 1st Rate after leaving River Bottom Surface hilly and Soil 2nd Rate

6

5th Guide Meridian West

North between Sections 13 and 18
Variation 13° 30' East

40.00 Set chared post in mound of Earth with pits as per instructions for 1/4 Section corner

80.00 Set chared post in mound of Earth with pits as per instructions for corner to sections 7. 12. 13 and 18
Surface hilly soil 3rd Rate

7

Township No 1 North

North between sections 7 and 12
Variation 14° East

40.00 Set chared post in mound of Earth with pits as per instructions for 1/4 Section corner

80.00 Set chared post in mound of Earth with pits as per instructions for corner to sections 1. 6. 7 and 12
Surface rolling and hilly soil 3rd Rate

5th Guide Meridian West

	North between Sections 1 and 6
	Variation 13° 55' East
4.00	Enter Creek bottom bears NW & SE
16.40	Stream 30 links wide runs SE
23.00	Leave bottom bears NW and SE
8.40.00	Set charred post in mound of earth, with pits as per instructs for ¼ Sec Cor.
~~4~~0.00	Set-chared post in mound of Earth with pits as per instructions for corner to sections 1 6 31 and 36 and the corner to Townships 1 and 2 Ranges 40 and 41 West
	Surface hilly soil 3rd Rate -

Township No 2 North

	North between sections 31 and 36
	Variation 14° East
40.00	Set-chared post in mound of Earth with pits as per instructions for ¼ Sec corner
80.00	Set-chared post in mound of Earth with pits as per instructions for corner of sections 25 30 31 and 36
	Surface hilly soil 3rd Rate -

10

5th Guide Meridian West

		North between sections 25 and 30 Variation 14° East
	40.00	Set chared post in mound of Earth with pits as per instructions for 1/4 Section corner
	80.00	Set chared post in mound of Earth with pits as per instructions for corner to sections 19 24 25 and 30 Surface hilly soil 3rd Rate

11

Township No 2 North

		North between Sections 19 and 24 Variation 14° East
	40.00	Set chared post in mound of Earth with pits as per instructions for 1/4 Section corner
	80.00	Set chared post in mound of Earth with pits as per instructions for corner to sections 13 18 19 and 24 Surface rolling soil 3rd Rate

5th Guide Meridian West

		North between sections 13 and 18 Variation 14° 5' East
40.00		Set chared post in mound of Earth with pits as per instructions for 1/4 section corner
80.00		Set chared post in mound of Earth pits as per instructions for corner to sections 7 12 13 and 18 Surface rolling soil 3rd Rate

Township No 2 North

		North between sections 7 and 12 Variation 14° 8' East
40.00		Set chared post in mound of Earth with pits as per instructions for 1/4 section corner
80.00		Set chared post in mound of Earth with pits as per instructions for corner to sections 1, 6, 7 and 12 Surface rolling soil 3rd Rate

14

5th Guide Meridian West

T. 2 N

	North between sections 1 and 6 (6)
	Variation 14° 10' East
4000	Set charred post in mound of Earth with pits as per instructions for 1/4 Section corner
8000	Set charred post in mound of Earth with pits as per instructions for corner to Sections 1 6, 31 ~~7~~ and 36 ~~12~~ and corner to Townships 2 and 3 Ranges 40 and 41 West
	Surface rolling
	Soil 3rd Rate

Oct 1st 1869

15

Township No 3 North

	North between Sections 31 and 36
	Variation 14° 10' East
4000	Set charred post in mound of Earth with pits as per instructions for 1/4 Section corner
8000	Set charred post in mound of Earth with pits as per instructions for corner to Sections 25 30 31 and 36
	Surface rolling soil 3rd Rate

16

5th Guide Meridian West

		North between Sections 25 and 30 Variation 14° 10' East
40.00		Set chared post in mound of Earth with pits as per instructions for 1/4 Section corner
80.00		Set chared post in mound of Earth with pits as per instructions for corner to sections 19 24 25 and 30 Surface rolling soil 3rd Rate

17

Township No 3 North

		North between Sections 19 and 24 Variation 14° 10' East
40.00		Set chared post in mound of Earth with pits as per instructions for 1/4 Section corner
80.00		Set chared post in mound of Earth with pits as per instructions for corner to sections 13 18 19 and 24 Surface rolling soil 3rd Rate

18

5th Guide Meridian West

North between Sections 13 and 18
Variation 14° 6' East

40.00 Set chared post in mound of Earth with pits as per instructions for 1/4 Sections Corner

80.00 Set chared post in mound of Earth with pits as per instructions for Corner to Sections 7 12 13 and 18
Surface rolling soil 3rd Rate

19

Township No 3 North

North between sections 7 and 12
Variation 14° East

40.00 Set chared post in mound of Earth with pits as per instructions for 1/4 Sec corner

80.00 Set chared post in mound of Earth with pits as per instructions for corner to Sections 1 6 7 and 12
Surface rolling soil 3rd Rate

20

5th Guide Meridian West

T. 3 N.

	North between Sections 1 and 6 Variation 14° East
40,00	Set chared post in mound of Earth with pits as per instructions for 1/4 Section corner
80,00	Set chared post in mound of Earth pits as per instructions for corner to Sections 1 6 31 and 36 and corner to Townships No ~~4~~ 3 and ~~3~~ 4 N. Ranges 40 and 41 West
	Surface rolling Soil 3rd Rate

21

Township 4 North

	North between Sections 31 and 36 Variation 14° East
40,00	Set chared post in mound of Earth with pits as per instructions for ~~corner~~ 1/4 Section corner
80,00	Set chared post in mound of Earth with pits as per instructions for corner to sections 25 30 31 and 36
	Surface rolling Soil 3rd Rate

22

5th Guide Meridian West

North between Sections 25 and 30
Variation 14° East

40,00 Set chared post in mound of Earth with pits as per instructions for 1/4 Section corner

80,00 Set chared post in mound of Earth with pits as per instructions for corner to Sections 19 24 25 and 30 ~~Sections~~ Surface rolling soil 3rd Rate

23

Township 4 North

North between Sections 19 and 24
Variation 14° East

40,00 Set chared post in mound of Earth with pits as per instructions for 1/4 Section corner

80,00 Set chared post in mound of Earth with pits as per instructions for corner to Sections 13 18 19 and 24 Surface rolling soil 3rd Rate

24

5th Guide Meridian West

North between Sections 13 and 18
Variation 14° East

40,00 Set chared post in mound of Earth with pits as per instructions for 1/4 Section corner

80,00 Set chared post in mound of Earth with pits as per instructions for corner to Sections 7 12 13 and 18
Surface rolling soil 2nd Rate

25

Township No 4 North

North between sections 7 and 12
Variation 14° East

40,00 Set chared post in mound of Earth with pits as per instructions for 1/4 sec corner

80,00 Set chared post in mound of Earth with pits as per instructions for corner to Sections 1 6 7 and 12
Surface rolling soil 3rd Rate

26

5th Guide Meridian West

	North between sections 1 and 6 Variation 14° East
40,00	Set chased post in mound of Earth with pits as per instructions for 1/4 section corner
80,00	Set chased post in mound of Earth with pits as per instructions for corner to sections 1. 6 ~~7~~ ~~and~~ ~~12~~ and the closing corner to Townships 4 North of Ranges 40 and 41 West Surface rolling soil 3rd Rate Oct 2nd 1869

Range No 42 West

	West on true line ~~between sections~~ on south side of Section 35 Variation 13° 45' East
# 29.14	Intersect State line 2.07 chains South of the 24th mile corner on Said State line and Set chased post in mound of Earth with pits as per instructions for closing corner to Township 43 North Range No 42 West Surface rolling soil 3rd Rate Oct 10th 1869

This line is copied into book of 1st Standard Parallel North - where it belongs.
E. E. C.

5th Guide Meridian West

Form Stand. Cor. to T. 5 N. Ranges 40 & 41 W. of 6th. Pr. Mer. 3rd

North between Sections 31 and 36
Variation 13° 58' East

40.00 Set chased post in mound of Earth with pits as per instructions for 1/4 Section corner

80.00 Set chased post in mound of Earth with pits as per instructions for corner to sections 25 30. 31 and 36
Surface rolling soil 3rd Rate

North between sections 25 and 30
Variation 13° 55' East

4000 Set chased post in mound of Earth with pits as per instructions for 1/4 Section corner

8000 Set chased post in mound of Earth with pits as per instructions for corner to Sections 19 24 25 and 30
Surface rolling soil 3rd Rate

Township No 5 North

North between sections 19 and 24
Variation 13° 57' East

40.00 Set chased post in mound of Earth with pits as per instructions for 1/4 Section corner

80.00 Set chased post in mound of Earth with pits as per instructions for corner to sections 13. 18. 19 and 24
Surface rolling soil 3rd Rate

North between sections 13 and 18
Variation 14° East

40.00 Set chased post in mound of Earth with pits as per instructions for 1/4 Sec. corner.

80.00 Set chased post in mound of earth with pits as per instructions for corner to sections 7. 12. 13 and 18
Surface Rolling soil 3rd Rate

5th Guide Meridian West

North between sections 7 and 12
Variation 14° East

40.00 Set chared post in mound of Earth with pits as per instructions for 1/4 Section corner

80.00 Set chared post in mound of Earth with pits as per instructions for corner to sections 1. 6. 7 and 12
Surface rolling. Soil 3rd Rate

Township No 5 North

North between sections 1 and 6
Variation 14° East

40.00 Set chared post in mound of Earth with pits as per instructions for 1/4 Sec corner

80.00 Set chared post in mound of Earth with pits as per instructions for corner to Sections 1 6 31 and 36 and corner to Townships 5 and 6 North of Ranges 40 and 41 West

Surface rolling soil 3rd Rate

5th Guide Meridian West

	North between sections 31 and 36 Variation 14° East
40.00	Set chared post in mound of Earth with pits as per instructions for 1/4 Section corner
80.00	Set chared post in mound of Earth with pits as per instructions for corner to sections 25, 30, 31 and 36 Surface rolling soil 3rd Rate

Township No 6 North

	North between sections 25 and 30 Variation 14° 5' East
40.00	Set ~~corner to sections~~ chared post in mound of Earth with pits as per instructions for 1/4 Section corner
80.00	Set chared post in mound of Earth with pits as per instructions for corner to sections 19 24 25 and 30 Surface rolling soil 3rd Rate
	North between sections 19 and 24 Variation 14° 5' East
40.00	Set chared post in mound of Earth with pits as per instructions for 1/4 Section corner
80.00	Set chared post in mound of Earth with pits as per instructions for corner to Sections 13 18 19 and 24 Surface rolling soil 3rd Rate

5th Guide Meridian West

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

40,00	Set chared post in mound of Earth with pits as per instructions for 1/4 section corner
45,60	Enter creek bottom bears NW & SE
47,18	Stream 30 links wide runs SE banks high water 1 foot deep current slow bed of stream rocky
50,00	Leave creek Bottom Bears NW & SE
80,00	Set chared post in mound of Earth with pits as per instructions for corner to sections 7, 12, 13 and 18
	Surface rolling soil 2nd Rate

Township 6 North

North between sections 7 and 12
Variation 14° 15' East

40,00	Set chared post in mound of Earth with pits as per instructions for 1/4 section corner
80,00	Set stone 15 inches ~~high~~ long 8 inches wide & 3½ inches thick appropriately marked in a mound of Earth for corner to sections 1, 6, 7 and 12
	Surface rolling soil 2nd Rate

North between sections 1 and 6
Variation 14° 15' East

40,00	Set chared post in mound of Earth with pits as per instructions for 1/4 section corner
80,00	Set ~~chared post in~~ stone 17 inches long 7 wide & 14 thick in mound of Earth with pits as per instructions for corner to Townships 6 and 7 of Ranges 40 and 41 west
	Surface rolling soil 2nd Rate

Oct 11th 1869

5th Guide Meridian West

North between Sections 31 and 36
Variation 14° 15' East

40.00 Set chared post in mound of Earth with pits as per instructions for 1/4 Section corner

80.00 Set ~~chared post~~ Stone 16 inches long 9 inches wide and 4 inches thick in a mound of Earth with pits as per instructions for corner to Sections 25 30 31 and 36
Surface rolling soil 2nd Rate

Township No 7 North

North between sections 25 and 30
Variation 14° 20' East

40.00 Set chared post in mound of Earth with pits as per instructions for 1/4 Section corner

80.00 Set chared post in mound of Earth with pits as per instructions for corner to Sections 19 24 25 and 30
Surface rolling soil 2nd Rate

North between sections 19 and 24
Variation 14° 20' East

40.00 Set chared post in mound of Earth with pits as per instructions ~~as per instructions~~ for 1/4 Section corner

80.00 Set ~~chared post~~ Stone 14 inches long 9 inches wide and 5 inches thick appropriately marked in mound of Earth with pits as per instructions for corner to sections 13 . 18 . 19 and 24
Surface rolling soil 2nd Rate

5th Guide Meridian West

North between Sections 13 and 18
Variation 14° 20' East

40.00 Set chared post in mound of Earth with pits as per instructions for 1/4 Section corner

80.00 Set ~~chared~~ post Stone 16 inches long 6 inches wide and 3 inches thick appropriately marked for corner to Sections 7 12 13 and 18
Surface rolling soil 2nd Rate

North between sections 7 and 12
Variation 14° 25' East

40.00 Set chared post in mound of Earth with pits as per instructions for 1/4 Section corner

80.00 Set Stone 17 inches long 11 inches wide x 4 inches thick in mound of Earth with pits as per instructions for corner to Sections 1 6 7 and 12
Surface rolling soil 2nd Rate

Township 7 North

North between sections 1 and 6
Variation 14° 30' East

40.00 Set chared post in mound of Earth with pits as per instructions for 1/4 section corner

80.00 Set chared post in mound of Earth with pits as per instructions for corner to Townships 7 and 8 N. Rs. 40 & 41 W.
Surface rolling soil 2nd Rate

5th Guide Meridian West

North between Sections 31 and 36
Variation 14° 30' East

40.00 Set chared post in mound of Earth with pits as per instructions for 1/4 Section corner

80.00 Set Stone 13 inches long 7 inches wide & 5 inches thick in mound of Earth with pits as per instructions for corner to Sections 25 30 31 and 36

Surface rolling soil 2nd Rate

Township No 8 North

North between sections 25 and 30
Variation 14° 30' East

40.00 Set chared post in mound of Earth with pits as per instructions for 1/4 Section corner

80.00 Set Stone 14 inches long 8 inches wide and 4 inches thick appropriately marked ~~for~~ in mound of Earth with pits as per instructions for corner to Sections 19 24 25 and 30

Surface rolling soil 2nd Rate

5th Guide Meridian West

	North between sections 19 and 24 Variation 14° 40' East
40,00	Set chained post in mound of Earth with pits as per instructions for 1/4 Section corner
80,00	Set stone 15 inches long 6 inches wide and 4 inches thick appropriately marked in mound of Earth with pits as per instructions for corner to Sections 13, 18, 19 and 24 Surface rolling soil 2nd Rate

Township Two & North

	North between Sections 13 and 18 Variation 14° 43' East
40,00	Set chained post in mound of Earth with pits as per instructions for 1/4 Section corner
80,00	Set stone 16 inches long 8 inches wide and 5 inches thick appropriately marked in mound of Earth with pits as per instructions for corner to Sections 7, 12, 13 and 18 Surface rolling soil 2nd Rate

5th Guide Meridian West

North between sections 7 and 12
Variation 14° 45' East

40.00 Set charred post in mound of Earth with pits as per instructions for 1/4 section corner

80.00 Stone 16 — 7 + 4 appropriately marked Set ~~charred post~~ in mound of Earth with pits as per instructions for corner to sections 1 6. 7 and 12

Surface rolling soil 2nd Rate

North between Sections 1 and 6
Va 14° 45' East

40.00 Set charred post in mound of earth with pits as per instructions for 1/4 Sec cor.

80.00 Set Stone 20 in long 11 in wide and 6 in thick appropriately marked in mound of earth with pits as per instructions for closing corner to Townships 8 Ranges 40 and 41 on 2d Standard Parallel North

Surface rolling soil 2d rate

Oct. 12th 1869

This is a copy of original which find in Book of 2d Standard Parallel N. of Ranges 41 & 42 West

E. E. C.

Survey of the 5th Guide Meridian W. Between the 2nd and 3rd Standard Parallels North of the Base line in the State of Nebraska

Commenced Oct 4th 1869
Finished Oct 22nd 1869

By William E Daugherty
Deputy Surveyor

5th Guide Meridian Township 9 North

Names of Assistants

Silas Ward
Otis Smith
Thadeus J Foley
Herbert R Wilcox
} Chainmen

John H Miller
John H Steil
} Axeman

Between the 2nd and 3rd Standard parallels N.

From Standard Corner to T. 8 & 9 N. Ranges 40 & 41 W on 2d Stan. Par. N.

1.00	North between Sections 31 and 36
	Variation 13° 55' East
40.00	Set charred post in mound of earth with pits as per instructions for 1/4 Sec corner
80.00	Set charred post in mound of earth with pits as per instructions for corner to Sections 25 30 31 and 36
	Surface rolling soil 2nd Rate

5th Guide Meridian W Between the 2nd & 3rd Standard Parallell N Township 9 North

North between Sections 25 and 30
Variation 13° 55' East

40.00 Set chared post in mound of Earth with pits as per instructions for 1/4 Section corner

80.00 Set chared post in mound of Earth with pits as per instructions for corner to Sections 19, 24, 25 and 30
Surface rolling Soil 2nd Rate

North between Sections 19 and 24
Variation 13° 50' East

40.00 Set chared post in mound of Earth with pits as per instructions for 1/4 Section corner

80.00 Set chared post in mound of Earth with pits as per instructions for corner to Sections 13, 18, 19 and 24
Surface gently rolling Soil 2nd Rate

North between Sections 14 ~~and 24~~ 13 & 18
Variation 13° 50' East

40.00 Set chared post in mound of Earth with pits as per instructions for 1/4 Section corner

42.00 Drain or Slough 1.25 links wide runs S.W.

80.00 Set chared post in mound of Earth with pits as per instructions for corner to Sections 7, 12, 13 and 18
Surface gently rolling Soil 2nd Rate

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5th Guide Meridian W. Between the 2nd and 3rd Standard

		North between Sections 7 and 12
		Variation 13° 50' East
40.00		Set chained post in mound of Earth with
		pits as per instructions for 1/4 Section corner
80.00		Set chained post in mound of Earth with
		pits as per instructions for corner to Sections
		1 6 . 7 and 12
		Surface gently rolling Soil 2nd Rate

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Parallell North Township 9 North

		North between Sections 1 and 6
		Variation 13° 50' East
40.00		Set chained post in mound of Earth with pits as
		per instructions for 1/4 Section corner
72.00		Drain or Slough 150 links wide runs West
80.00		Set chained post in mound of Earth with pits as
		per instructions for corner to Townships
		9 and 10 North of Ranges 40 & 41 West
		Surface gently rolling Soil 2nd Rate

5th Guide Meridian W Between the 2nd and 3rd Standard

		North between Sections 31 and 36
		Variation 13° 55' East
40.00		Set charred post in mound of Earth with pits as per instructions for 1/4 Section corner
80.00		Set charred post in mound of Earth with pits as per instructions for corner to Sections 25 30 31 and 36
		Surface gently rolling soil 2nd Rate

Parallell North Township 10 North

		North between Sections 25 and 30
		Variation 13° 50' East
40.00		Set charred post in mound of Earth with pits as per instructions for 1/4 Section corner
80.00		Set charred post in mound of Earth with pits as per instructions for corner to Sections 19 24 25 and 30
		Surface rolling soil 2nd Rate

5th Guide Meridian W Between the 2nd and 3rd Standard

North between Sections 19 and 24
Variation 13° 50' East

40.00 Set charred post in mound of Earth with pits as per instructions for 1/4 Section corner

80.00 Set charred post in mound of Earth with pits as per instructions for corner to Sections 13 18 19 and 24
Surface rolling Soil 2nd Rate

North between Sections 13 and 18
Variation 13° 50' East

40.00 Set charred post in mound of Earth with pits as per instructions for 1/4 Sec corner

80.00 Set charred post in mound of Earth with pits as per instructions for corner to Sections 7, 12, 13 and ~~24~~ 18
Surface rolling Soil 2nd Rate

Parallell North - Township 10 North

North between Sections 7 and 12
Variation 13° 50' East

40.00 Set charred post in mound of Earth with pits as per instructions for 1/4 Section corner

80.00 Set charred post in mound of Earth with pits as per instructions for corner to Sections 1 6, 7 and 12
Surface rolling Soil 2nd Rate

North between Sections 1 and 6
Variation 13° 50' East

40.00 Set charred post in mound of Earth with pits as per instructions for 1/4 Section corner

80.00 Set charred post in mound of Earth with pits as per instructions for corner to ~~Sections~~ Townships 10 and 11 N. of Ranges 40 and 41 West
Surface rolling Soil 2nd Rate
Oct 21st 1869

62

5th Guide Meridian W. Between 2nd and 3rd Standard

North between Sections 31 and 36
Variation 13° 30' East

40.00 Set charred post in mound of Earth with ~~Standard~~ pits as per instructions for 1/4 Sections corner

80.00 Set charred post in mound of Earth with pits as per instructions for corner to Sections 25 30 31 and 36
Surface rolling Soil 2nd Rate

North between Sections 25 and 30
Variation 13° 40' East

40.00 Set charred post in mound of Earth with pits as per instructions for 1/4 Section corner

80.00 Set charred post in mound of Earth with pits as per instructions for corner to Sections 19 24 25 and 30
Surface rolling Soil 2nd Rate

63

Parallell North Township 11 North

North between Sections 19 and 24
Variation 13° 30' East

40.00 Set charred post in mound of Earth with pits as per instructions for 1/4 Section corner

80.00 Set charred post in mound of Earth with pits as per instructions for corner to Sections 13 18 19 and 24
Surface rolling Soil 2nd Rate

North between Sections 13 and 18
Variation 13° 30' East

40.00 Set charred post in mound of Earth with pits as per instructions for 1/4 Section corner

80.00 Set charred post in mound of Earth with pits as per instructions for corner to Sections 7 12 13 and 18
Surface rolling Soil 2nd Rate

5th Guide Meridian W Between the 2nd and 3rd Standard

North between Sections 7 and 12
Variation 13' 40' East

40.00 Set chained post in mound of Earth with pits as per instructions for 1/4 Sec corn.

80.00 Set chained post in mound of Earth with pits as per instructions for corn to Sections 1. 6. 7 and 12
Surface rolling Soil 2nd Rate

Parallell North Townships 11 North

North between Sections 1 and 6
Variation 13' 30 East

40.00 Set chained post in mound of Earth with pits as per instructions for 1/4 Section corn

80.00 Set chained post in mound of Earth with pits as per instructions for corn to ~~Sections~~ Townships 11 and 12 N of Ranges 40 and 41 West
Surface gently rolling Soil 2nd Rate

5th Guide Meridian W Between the 2nd and 3rd

North between Sections 31 and 36
Variation 13° 30' East

40.00 Set chained post in mound of Earth with pits as per instructions for 1/4 Sec corner

80.00 Set chained post in mound of Earth with pits as per instructions for corner to Sections 25 30, 31 and 36

Surface rolling soil 2nd Rate

Standard Parallell North - Township 12 North -

North between Sections 25 and 36
Variation 13° 30' East -

40.00 Set chained post in mound of Earth with pits as per instructions for 1/4 Section corner

80.00 Set chained post in mound of Earth with pits as per instructions for corner to Sections 19 24 25 and 30

Surface rolling soil 2nd Rate -

5th Guide Meridian W Between the 2nd and 3rd Standard

North between Sections 19 and 24
Variation 13° 25' East

40.00 Set charred post in mound of Earth with ~~Standard~~ pits as per instructions for 1/4 Section corner

80.00 Set charred post in mound of Earth with pits as per instructions for corner to Sections 13, 18, 19 and 24
Surface rolling Soil 2nd Rate

Parallel N. Township 12 North

North between Sections 13 and 18
Variation 13° 20' East

40.00 Set charred post in mound of Earth with pits as per instructions for 1/4 Section corner

80.00 Set charred post in mound of Earth with pits as per instructions for corner to Sections 7, 12, 13 & 18
Surface rolling Soil 2nd Rate

5th Guide Meridian W Between the 2nd and 3rd Sta

North between Sections 7 and 12
Variation 13° 20' East

40.00 Set chained post in mound of Earth with pits as per instructions for 1/4 Section corner

80.00 Set chained post in mound of Earth with pits as per instructions for corner to Sections 1 & 6, 7 and 12

Surface rolling Soil 2nd Rate

Parallell N Township 12 North

North between Sections 1 and 6
Variation 13° 20' East

40.00 Set chained post in mound of Earth with pits as per instructions for 1/4 Section corner

~~81.40~~ Set chained post in mound of Earth with pits
(81.40) as per instructions

81.40 Intersect the 3rd Standard Parallell N 11.40 Chains East of the corner to Sections 31 and 32 Township 13 North of Range 40 West and set ~~closing corner~~ ~~chained~~ post in mound of Earth with pits as per instructions for closing corner ~~and corner~~ to Township 12 North Ranges 40 and 41 West

Surface rolling Soil 2nd Rate

Oct 22nd 1869

A list of the names of the individuals employed to assist in running measuring and marking the lines and corners of the 5th Guide Meridian W of Townships No ~~5 & 6~~ 9, 10 ~~7 & 8~~ 11 & 12 N of Ranges ~~30~~ 40 and 41 West of the 6th Principal Meridian State of Nebraska Showing the respective capacities in which they acted.

Thaddeus J Foley } Chainmen
Herbert R Wilcox
Silas Ward
Otis Smith } axemen
John H Miller
John H Steel

We hereby certify that we assisted William E Dougherty Deputy Surveyor in Surveying and running the 5th Guide Meridian in Townships No 9 10, 11 & 12 N of Ranges No 40 & 41 West of the 6th Principal Meridian State of Nebraska and that said Survey 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

Silas Ward
Otis Smith
Thaddeus J Foley } Chainmen
H R Wilcox
John H Miller
John H Steel } axemen

Subscribed in my presence and sworn to before me this Oct 29th 1869
R E Dougherty
Justice of the Peace in and for Lincoln County, Nebraska

I William E Daugherty Deputy surveyor do solemnly swear that in pursuance of a contract with Robert R Livingston Surveyor General of the Pubic lands of the United States in the State of Nebraska bearing date the 9th day of June 1869 and in strict conformity to the laws of the United States and the instructions of the Surveyor General I have faithfully surveyed and established the 3rd Guide Meridian between the 2nd and 3rd Standard Parallels in the State of Nebraska and do further solemnly swear that the foregoing are the true and original field notes of such survey

William E Daugherty
Deputy surveyor

Subscribed and Sworn to before me this 18th day of November A.D. 1869

Silas Moore
Notary Public
in and for Dubuque County, Iowa

Surveyor General's Office,
Plattsmouth Neb. Feb. 1st 1870

The foregoing field notes of the survey of the 2d Standard Parallel North, between the 4th and 5th Guide Meridian West; and the 5th Guide Meridian West, between the 2d and 3d Standard Parallels North, executed by William E. Daugherty under joint contract No. 23. of June 9. 1869. wherein Wm E. & John H. Daugherty are joint contractors, in the month of October 1869. 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.

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Field Notes of the fifth Guide Meridian from the third to the fourth standard parallel; North of the base line and West of the Sixth principal Meridian in the State of Nebraska commencing the 29th day of July 1869.

From the established standard corner to Townships ~~12 and~~ 13 North Range 40 and 41 West of the 6th Principal Meridian (post standing in mound with pits as per instructions for standard Township corner) I run North along the East boundary of sec. 36.

Variation 14° 30' East by Burts improved solar compass

40	00	set post deposit deposit charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.
80	00	set post deposit charred stake and raised mound of earth with pits as per instructions for cor. to secs. 25. 36. 30 & 31.

Undulating bottom land 3rd rate sandy.

North along the East boundary of sec. 25 Va 14°30' East

40 00 set post deposit charred stake and raised mound of earth with pits as per instructions for ¼ sec. cor.

58 20 Road course East and West.

79 50 Intersect right bank of South Platte River course East - set post deposit charred stake and raised mound of earth with pits as per instructions for cor to fractional sections 25 and 30

80. 00 Section corner in River

Land level bottom land 3d rate. sandy.

I now cause my flag to be set on the left bank of the river on the line between secs. 24 and 19.

From the corner on the right bank of the river I run a base East 10 chains to a point from which the flag bears North 15°39' West which gives for the distance across the river on the line 35.70 or 35.69570 marsh chains which added to 79.50 chains makes 115.20 chains

from this take 80 chains the distance along the East boundary of sec. 25 and we have for the distance from the point (in river) corner to sections 24, 25, 19 and 30 to the flag on the left bank

35 20 set post deposit charred stake and raised mound of earth with pits as per instructions for cor. to fractional secs 24 and 19.

Thence North along the East boundary of sec. 24 Va 14°20' East

40 00 from Section corner in River set post deposit charred stake and raised mound of earth with pits as per instructions for ¼ sec. cor.

42 00 foot of bluffs bear East and West.

44 60 U.P. R.Rd course N. 82°30' E.

49 50 Wagon road course East and West.

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

Land sandy and hilly 3d rate.

July 29th 1869.

Between Ranges 40 and 41 West Township 13 North.

		North along the East boundary of sec. 13. Var. 14° 15' East
40	00	set post deposit charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.
80	00	set post deposit charred stake and raised mound of earth with pits as per instructions for cor. to secs. 12. 13. 7 and 18. Land hilly sandy 3d rate.
		North along the East boundary of sec. 12 Var. 14° 12' East
40	00	set post deposit charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.
80	00	set post deposit charred stake and raised mound of earth with pits as per instructions for cor. to secs. 1, 12, 6 and 7. Land hilly gravelly and sandy 3d rate.

Between Ranges 40 and 41 West Township 13 North

		North along the East boundary of sec. 1 Var. 14° 23' East
22	00	Ravine course South East
40	00	set post deposit charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.
58	40	Ravine course South East.
80	00	set post deposit charred stake and raised mound of earth with pits as per instructions for cor to secs. 1, 6. 31 and 36 also cor to Township 13 and 14 North Range 40 and 41 West. Land hilly 3d rate sandy.

Between Ranges 40 and 41 West Township 14 North.

North along the East boundary of sec. 36 Va 14° 26' East

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

80 00 set post deposit charred stake and raised mound of earth with pits as per instructions for cor to secs. 25, 36, 30 and 31.

Land rolling sandy 3d rate.

North along the East boundary of sec. 25 Va 14° 32' East.

35 00 Ravine course South East.

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

79 20 Ravine course South East.

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

Land rolling 3d rate. sandy.

Between Ranges 40 and 41 West Township 14 North.

North along the East boundary of sec. 24 Va 14° 35' East

40 00 set post deposit charred stake and raised mound of earth with pits as per instruction for 1/4 sec. cor.

80 00 set post deposit charred stake and raised mound of earth with pits as per instructions for sec. cor. 13, 24, 18 and 19.

Land rolling 3d rate dry upland

North along the ~~south~~ East boundary of sec. 13 Va 14° 36' East

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

79 90 Drain course North West

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

Land rolling 3d rate. sandy

Between Ranges 40 and 41 West Township 14 North

North along the ~~south~~ East boundary of section
12 Variation 14° 34' East.

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

40 50 drain course North West.

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

Land rolling 3d rate sandy.

North along the ~~south~~ East boundary of sec. 1 Var. 14° 30' East.

38 60 Ravine course North West

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

80 00 set post deposit charred stake and raised mound of earth with pits as per instructions for cor. to secs. 1. 6. 31 and 36 also cor. to Townships 14 and 15 North Ranges 40 and 41 West

Land hilly gravelly 3d rate.

Between Ranges 40 and 41 West Township 15 North

North along the East boundary of sec. 36 Var. 14° 28' East.

27 00 Ravine course North West limestone croppings along its banks

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

75 30 Ravine course North west limestone croppings along its banks.

80 00 set post deposit charred stake and raised mound of earth with pits as per instructions for cor to secs. 25. 36. 30 and 31.

Land hilly and 3d rate. Limestone croppings are along the ravine banks.

North along the East boundary of sec. 25 Var. 14° 35 East

11 00 Ravine course North West

38 00 Ravine course North West.

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

62 50 Ravine course North West. has limestone croppings along its banks

Between Ranges 40 and 41 West Township 15 North

80	00	set post deposit charred stake and raised mound of earth with pits as per instructions for cor. to secs. 24, 25, 19 and 30.
		Land hilly broken and 3d rate. limestone is found along the Ravine banks cropping out in ledges from one to three feet thick.

North along the East boundary of sec. 24 Vn 14° 30' East

39	75	Ravine course North West
40	00	set a limestone 16 x 10 x 6 inches. and mark it as per instructions for 4 sec. cor.
80	00	set a limestone 18 x 12 x 5 inches and mark it as per instructions for cor to secs. 13, 24, 18 and 19.
		Land broken hilly numerous limestone ledges crop out on the hillsides and along the ravine banks soil 3d rate gravelly and stony.

July 30th 1869.

Between Ranges 40 and 41 West Township 15 North.

		North along the East boundary of sec. 13 Vn 14° 26' East.
33	00	Leave Bluffs and enter Platte bottom trees East and West. limestone ledges crop out of the bluffs.
40	00	set post deposit charred stake and raised mound of earth with pits as per instructions for 4 sec. cor.
65	00	Wagon Road course East and West
80	00	set post deposit charred stake and raised mound of earth with pits as per instructions for cor. to secs. 12, 13, 18 and 7.
		Land 33.00 Chains hilly broken 3d rate. 47 Chains level 2d rate dry bottom land

North along the East boundary of sec. 13 Vn 14° 30' East.

14	00	Intersect Right bank of the North Platte River. set post deposit charred stake and raised mound of earth with pits as per instructions for cor. to fractional secs. 7 and 12.
		I now cause my flag to be set on the left bank of the river on the line between

secs 12 and 7.
From the established corner on the
right bank I run West 10 chains for
a base to a point from which the
flag bears North 13° 26' East. by cal-
culation this gives for the distance across
the River on the line between secs. 7 and
12 41.87 chains which added to 14.00 chains
makes.

55	87	to the flag on the left bank of the river where I set post deposit charred stake and raised mound of earth with pits as per instructions for cor to fractional secs. 7 and 12.
80	00	set post deposit charred stake and raised mound of earth with pits as per instructions for cor to secs. 1, 12, 6 and 7.

Land level 2d rate sandy.

Between Ranges 40 and 41 West Township 15 North

North along the ~~south~~ East boundary of
sec. 1 Va 14° 27' East.

15	00	Foot of bluffs & leave bottom bears East & West Mayo Road
40	00	set post deposit charred stake and raised mound of earth with pits as per instructions for 14 sec. cor.
80	00	set post deposit charred stake and raised mound of earth with pits as per instructions for cor. to secs. 1. 6. 31 and 36 also for cor. to Townships 15 and 16 North Range 40 and 41 West.

Land 15 chains level bottomland
boggy covered with long wild grass
2d rate soil 65 chains hilly and
sandy 3d rate.

Between Ranges 40 and 41 West Township 16 North

North along the East boundary of sec. 36 Va 14° 35' East.

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

80 00 set post deposit charred stake and raised mound of earth with pits as per instructions for cor to secs. 25. 30, 31 and 36.

Land rolling and hilly, sandy 3d rate.

North along the East boundary of sec. 25 Va 14° 28' East.

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

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

Land hilly sandy and 3d rate.

Between Ranges 40 and 41 West Township 16 North.

North along the East side of sec. 24. Va 14° 36' East.

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

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

Land hilly sandy 3d rate.

North along the East boundary of sec. 13 Va 14° 27' East.

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

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

Land hilly sandy and 3d rate.

Between Ranges 40 and 41 West Township 16 North.

North along the East boundary of sec. 12 Var. 14° 32' East.

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

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

Land hilly sandy and 3d rate.

North along the East boundary of sec 1 Var. 14° 35' East.

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

80 00 set post deposit charred stake and raised mound of earth with pits as per instructions for closing cor to secs. 1 and 6 T. 16 N. Ranges 40 & 41 W. also closing cor. of the fifth Guide Meridian on the fourth Standard parallel.

Land hilly rolling and sandy 3d Rate

From the established closing corner to Townships 16 ~~and 17~~ North Ranges 40 and 41 West. I run West on an offset line for the convergency between the closing corner and the standard corner of the 5th Guide Meridian on the 4th standard parallel Va. 14° 30' East

21.20 set temporary post for standard cor. to secs. 31. and 32

Land Sandy 3d rate.

West along the south boundary of sec. 31 Var. 14 30' East

40 00 set post for temporary 1/4 sec. cor.

80 00 set post for temporary standard cor. to secs. 31 and 36 also for cor. to Townships ~~16 and~~ 17 North Range 40 and 41 West, being the 5th Guide Mer. W. initial point of 5th

Land hilly 3d rate and sandy.

July 31st 1869.

General Description

of the fifth Guide Meridian from the 3d to the 4th Standard parallels. and thence on an offset 101.20 Chains West.

The Meridian line running through 2 1/2 Miles of Township 13 North is along the South Platte River bottom and across it the land is generally dry and not subject to overflow. sandy and 2d rate. Thence the line 3 1/2 Miles through Township 13 North and through Township 14 and 3 1/2 Miles through Township 15 North is over a hilly tract interspersed with sand and gravel Knolls Through Township 14 North the land is rolling and somewhat hilly & sandy; and as the line extends through township 15 N. there is considerable limestone cropping out along the banks of the ravines and along the sides of the bluffs and hills. Land generally not favorable to farming purposes.

General Description (continued)

thence the line through Township 15 North for 1 3/4 Miles extends through the North Platte River bottom which is dry and not subject to overflow 2d rate soil There are no trees or wood along the banks of either of the Platte Rivers The streams are not navigable have a quick-sand bottom and banks averaging 6 feet high. Thence 3/4 Miles through Township 15 and through Township 16 North and thence on offset line 101.20 Chains the land is hilly sandy and 3d rate without wood or water and unfavorable to farming purposes.

For affidavits see book 1.

Surveyor General's Office.
Plattsmouth Neb Dec 20 1869.

The foregoing field notes of the survey of the 4th Guide Meridian from the 2d Standard Parallel to the 3d and from the 3d to the 4th Standard Parallels and the 5th Guide Meridian from the 3d to the 4th Standard Parallels, all North of the Base Line and West of the 6th Principal Meridian in the State of Nebraska, executed by William J. Allason, under joint contract wherein William J. Allason and Edward Kelsey are joint contractors, under contract bearing date April 29th 1869. in the months of June and July 1869. having been critically examined, the necessary corrections and explanations made, the said field notes and the surveys they describe are hereby approved.

Robt. R. Simpson
Surveyor General.

Field Notes
of
The Survey
of
The 5th Guide Meridian West
from
The 4th to 5th Standard Pll North
In
Nebraska

Executed
By Enos F. Gray Deputy Surveyor
under Joint Contract No 65. Dated
July 11th 1872.

Survey

Commenced	August 12th 1872
Completed	August 17th 1872

List of Names

A list of the Names and duties of assistants

George S. B. Paine
A. G. B. Moreland
Carson Harris
Arthur L. Stahl } Chainmen

Casper Young
Frank P. Banks } Axmen

J. H. S. Bowman Flagman

5th Guide Meridian West
Town No 17 N between Ranges 40 & 41 West

Chains Begin at the established Standard Corner to Township 17 North in Ranges 40 & 41 West on the 4th Standard Pl. North The Mound and pits remaining but post lost. I set Post properly Mkd in the Mound equidistant from the pits. From which I run North on range line between Sec. 31 & 36.
Variation 15° East
"By Gurlies improved Solar Compass

40 00 Set post drove charred Stake raised Mound of earth with pits per instruction for gr sec cor

80 00 Set post drove chaned Stake raised Mound of earth with pits per instructions for cor to sec. 30. 31. 25 & 36.

Land rolling Sail Very Sandy 3 rate Producing good bunch Grass but No other Vegetation except Sage brush

5th Guide Meridian West
Township No 17 N. between Ranges 40 & 41 West

Chains North between Sec. 25 & 30
Va 15° East

40 00 Set post deposit chaned Stake raised a Mound of earth with pits per instructions for gr sec cor

80 00 Set post deposit chaned Stake in Mound of earth with pits per instructions for cor to sec. 19. 30. 24. & 25

Land rolling Sail Very Sandy 3 rate Producing good bunch grass and little Sage brush

North between Sec. 19 & 24.
Va 15° East

40 00 Set post deposit chaned Stake in mound of earth with pits per instructions for gr sec cor

80 00 Set post deposit chaned Stake in mound of earth with pits per instructions for cor to sec. 18. 19. 13. & 24.

Land rolling Sail Sandy 3 rate Vegetation bunch grass and Sage brush

5th Guide Meridian West

Town No 17 North between Ranges 40 & 41 West

Chains		
		North between Sec. 13 & 18. Va 15° East
40	00	Set post deposit chained stake in mound of earth with pits per instructions for gr sec cor
80	00	Set post deposit chained stake in mound of earth with pits per instructions for cor to sec. 7. 12. 13. & 18.
		North between Sec. 7. & 12 Va 15° East
40	00	Set post drove chained stake in mound of earth with pits per instructions for gr sec cor
80	00	Set post drove chained stake in mound of earth with pits per instructions for cor to sec. 1. 6. 7. & 12.
		Land rolling sail sandy Vegetation bunch grass & little sage brush

5th Guide Meridian West

Town No 17 North between Ranges 40 & 41 West

Chains		
		North between Sec. 1 and 6 Va 15° East
40	00	Set post deposit chained stake in mound of earth with pits per instructions for gr sec cor
80	00	Set post deposit chained stake in mound of earth with pits per instructions for cor to sec. 1. 6. 31. & 36. also To Township 17 & 18 North Ranges 40 & 41 West.
		Land rolling sail sandy 3rd rate Vegetation good bunch grass with little sage brush

5th Guide Meridian West

Township No. 18 North Between Ranges 40 & 41 West.

Chains		
		From the 2nd Township 17 & 18 North Ranges 40 & 41 West. I run North on Range line between Sec. 31 & 36. Va 15° East
40	00	Set post deposit Charred Stake in mound of earth with pits per instructions for 1/4 Sec Cor
80	00	Set post deposit Charred Stake in mound of earth with pits per instructions for Corner to Sec. 30 31. 25 & 36.
		Land rolling Soil 3rd rate Very Sandy Good bunch grass & little Sage brush
		North between Sec. 25 & 30 Va 15° East
40	00	Set post deposit Charred Stake in mound of earth with pits per instructions for 1/4 Sec Cor
80	00	Set post deposit Charred Stake and

Over

Fifth Guide Meridian West

Township No. 18 N. Between Ranges 40 & 41 W. 6th P.M.

Chains		
		raised a mound, with pits, as per instructions, for Cor to Sections 19, 30, 24 and 25
		Land rolling, soil very sandy, 3rd rate good bunch grass and a little sage brush is its only vegetation
		North, between Sections 19 and 24 Va. 15° 00' East
40.00		set a post, drove a charred stake and raised a mound, with pits, as per instructions, for 1/4 Sec. cor
80.00		set a post, drove a charred stake and raised a mound, with pits as per instructions, for corner to sections 18, 19, 13 and 24
		Land rolling, soil very sandy, 3rd rate produces good bunch grass, and but little vegetation of any other kind
		North, between Sections 13 and 18 Va. 15° 00' East

Fifth Guide Meridian West

Township No. 18 N. Between Ranges 40 & 41 W 6th P.M.

Chains	
40.00	Set a post, drove a charred stake, and raised a mound, with pits, as per instructions, for 1/4 Sec. Cor
45.00	Enter basin like bottom, of about 160 acres, bears N.E. & S.W.
80.00	Set a post, drove a charred stake and raised a mound, with pits, as per instructions, for Corner to sections 7, 18, 12 and 13
	Land rolling, except the basin above noted, soil 3d rate, the basin produces good rye and buffalo grass and its soil is a rich dark loam, but contains alkali, and therefore is 2d rate

North, between sections 7 and 12
Va. 15° 00' East

40.00	Set a post, drive a charred stake, and raised a mound, with pits, as per instructions, for 1/4 Sec. Cor.

Fifth Guide Meridian West

Township No. 18 N. Between Ranges 40 & 41 W. 6th P.M.

Chains	
62.00	Leave basin, bears East and West
80.00	Set a post, drove a charred stake and raised a mound, with pits, as per instructions, for Corner to sections 6, 7, 1 and 12
	Land rolling, except the basin, and the soil, except the basin, is very sandy, 3d rate, vegitation mostly bunch grass

North, between sections 1 and 6
Va. 15° 00' East

35.00	Enter a sandy bottom of about 80 acres, bears S.E. & N.W.
40.00	Set a post, drove a charred stake and raised a mound, with pits, as per instructions, for 1/4 Sec. Cor.
75.00	Leave bottom bears S.E. & West
80.00	Set a post, drove a charred stake and raised a mound, with pits, as per instructions, for Corner to Townships 18 and 19 North ranges 40 and 41 West
	Land rolling, soil 3d rate, except in the bottom

Fifth Guide Meridian West
Township No 19 N. Between Ranges 40 & 41 W 6th P.M.

Chains	
	where the soil is 2d rate, bunch and buffalo grass, principally August 12th 1872
	T 19 N
	From the corner to townships 18 and 19 North ranges 40 and 41 West I run, North, on the range line between sections 31 and 36
	va 15° 00' East
10,00	Enter a sandy bottom of about 160 acres, bears East and West
40,00	Set a post, drove a charred stake and raised a mound, with pits, as per instructions for 1/4 Sec, Cor,
45,00	Leave bottom, bears N.E. and S.W.
80,00	Set a post, drove a charred stake and raised a mound, with pits, as per instructions, for corner to sections 30, 31, 25 and 36
	Land rolling, except the bottom, soil 3d rate producing only bunch grass
	North, between sections 25 and 30

Fifth Guide Meridian West
Township No 19 N. Between Ranges 40 & 41 W. 6th P.M.

Chains	
	va, 15° 00' East
40,00	Set a post, drove a charred stake and raised a mound, with pits, as per instructions, for 1/4 Sec, Cor,
80,00	Set a post, drove a charred stake and raised a mound as per instructions, for corner to sections 19, 30, 24 and 25
	Land rolling, soil very sandy, 3d rate, good bunch grass
	North, between sections 19 and 24
	va, 15° 00' East
40,00	Set a post, drove a charred stake and raised a mound, with pits, as per instructions, for 1/4 Sec, Cor,
80,00	Set a post, drove a charred stake and raised a mound, with pits, as per instructions, for corner to sections 18, 19, 13 and 24
	Land rolling, soil 3d rate, producing good bunch grass and but little of any other vegetation

Fifth Guide Meridian West
Township No. 19 N. Between Ranges 40 & 41 W 6th P.M.

Chains	
	North, between Sections 13 and 18 Va. 15° 00' East
40,00	Set a post, drove a charred stake and raised a mound, with pits, as per instructions, for 1/4 Sec. Cor.
80,00	Set a post, drove a charred stake and raised a mound, with pits, as per instructions, for Corner to Sections 7, 18, 12 and 13
	Land rolling, 3d rate, bearing good bunch grass

	North, between Sections 7 and 12 Va. 15° 00' East
40,00	Set a post, drove a charred stake and raised a mound, with pits, as per instructions, for 1/4 Sec. Cor.
67,00	Enter a ravine like bottom 15 ch. in width, bears East and West
80,00	Set a post, drove a charred stake and raised a mound, with pits, as per instructions, for Corner to Sections 6, 7, 1, and 12

Fifth Guide Meridian
Township No. 19 N. Between Ranges 40 & 41 W 6th P.M.

	Land rolling and gradually descending to the ravine like bottom, soil 3d rate except in the bottom noted where the soil is 2d rate

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	North, between Sections 1 and 6 Va 15° 00' East
2,00	Leave ravine like bottom and begin to ascend a sand hill, bearing East and West
26,25	Top of sand hill 20 feet high above the bottom below
40,00	Set a post, drove a charred stake and raised a mound, with pits, as per instructions for 1/4 Sec. Cor.
80,00	Set a post, drove a charred stake and raised a mound, with pits, as per instructions, for corner to Townships 19 and 20 North ranges 40 and 41 West
	Land broken, the descent to the north from the top of the hill, noted, is gradual into rolling land, soil 3d rate

Fifth Guide Meridian

Township No. 20 N. Between Ranges 40 & 41 W. 6th P.M.

Chains

except in the bottom notes where the soil is 2d rate upon the hill noted there is sand cherry shrubs, the roots of which are useful for fire wood

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* T. 20 N.

From the Corner to townships 19 and 20 north ranges 40 & 41 west 9 run, north, between sections 31 and 36

Va 15° 00' East

40.00 set a post, drove a chained stake and raised a mound, with pits, as per instructions, for ¼ Sec. cor.

80.00 set post, drove chained stake and raised a mound, with pits, as per instruction, for corner to sections 30, 31, 25 and 36

Land broken, very sandy soil 3d rate, with good bunch grass, sand cherry shrubs upon the hills

August 13th 1872

Fifth Guide Meridian West

Township No 20 N. Between Ranges 40 & 41 W 6th P.M.

Chains

North, between sections 25 and 30

Va, 15° 00' East

40.00 set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for ¼ sec. cor.

80.00 set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for corner to sections 19, 30, 24 and 25

Land rolling, soil sandy, 3d rate good bunch grass

North, between sections 19 and 24

Va, 15° 00' East

40.00 set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for ¼ sec. cor.

80.00 set a post, deposited a pint of charcoal and raised a mound, with pits, as per instruction, for corner to sections 18, 19, 13 and 24

Land rolling, soil sandy, 3d rate with good bunch grass

Fifth Guide Meridian West

Township No 20 N. Between Ranges 40 & 41 W. 6th P.M.

Chains	
	North, between 13 and 18 Va 15° 00' East
40.00	Set a post, deposited a pint of char coal and raised a mound, with pits, as per instructions, for 1/4 Sec. Cor.
80.00	Set a post, depositing pint of char coal and raised a mound, with pits, as per instruction, for Corner to Sections 7, 18, 12 and 13
	Land rolling, soil 3d rate, good bunch grass, with a little sage brush

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	North, between Sections 7 and 12 Va 15° 00' East
40.00	Set a post, depositing pint of char coal and raised a mound, with pits, as per instruction, for 1/4 Sec. Cor.
80.00	Set a post deposited a pint of char=coal and raised a mound, with pits, as per instructions, for Corner to Sections 6, 7, 1 and 12

Fifth Guide Meridian West

Township 20 N. Between Ranges 40 & 41 W. 6th P.M.

	Land rolling, soil 3d rate, producing good bunch grass an a little sage brush

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	North, between Sections 1 and 6 Va 15° 00' East
40.00	Set a post, deposited a pint of char=coal and raised a mound, with pits, as per, instructions, for 1/4 Sec. Cor.
80.00	Set a post, depositing a pint of char=coal and raised a mound, with pits, as per instructions for Closing Corner to Township 20 North, ranges 40 and 41 W. on the 5th Standard Parallel North
	Land rolling, soil sandy, 3d rate, good bunch grass
	August 17th 1872

Fifth Guide Meridian West
Between the 4th and 5th Standard Parallel North

General Description

The land along this Meridian line, produces good bunch grass and is well adapted to grazing, except that there is no water, upon the surface nearer than ten miles, the nearest being the Blue River from ten to fifteen miles west of this line and runs nearly parallel with it, herds would need to be supplied with water from wells to be dug, I think irregation impracticable and without irregation this land is not good for agriculture; there is no stone or timber along this line, with the exception of the sand hill noted and two miles of broken land near it, the surface of the country on this line is monotinous and uninteresting

A list of the names of the individuals, employed in running, measuring, or marking the lines and corners described in the foregoing field notes of the 5th Guide Meridian West, of the 6th P. M. between the 4th and the 5th Standard Parallel North, in Nebraska, showing the respective capacities in which they acted: Corson Harris, Chainman; Arthur L. Stahl, Chainman; Geo. B. Pain; Chainman; A. B. Moreland, Chainman; Frank P. Barks, Axman; Casper Yong Axman; J. H. Bowman Flagman.

We hereby certify that we assisted Enos T. Gray, deputy surveyor, in surveying the Fifth Guide Meridian, West of the 6th Principal Meridian in

Nebraska, from the fourth to the fifth Standard Parallel North, 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

Conan Harris	Chainman
Arthur L Stahl	Chainman
Geo B Paine	Chainman
N. B. Moneland	Chainman
Frank P Basks	Axeman
Casper Young	Axeman
J H Bowman	Flagman

Subscribed and sworn to by the above named persons before me, Clerk of the District Court for the County of Cheyenne in the state of Nebraska, this 2d day Sept. 1872

L. Connell. Clerk of the District Court for Cheyenne County Nebraska

I, Enos F. Gray, Deputy Surveyor do solemnly swear that, in pursuance of a joint contract, wherein Enos F. Gray and John A. Hays are joint contractors with E. E. Cunningham, United States Surveyor General, for the District of Nebraska and Iowa, bearing date the 11th day of July 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 those parts or portions of the Fifth Guide Meeridian as are represented in the foregoing field notes as having been surveyed under my directions; and I do 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

Enos F. Gray
Deputy Surveyor

Subscribed and sworn to by the said Enos F. Gray, before me, Clerk of the District Court for Dodge County, in the state of Nebraska this 30th day of November 1872

J. J. Hawthorne
Clerk, District Court, for Dodge co. Nebraska

Surveyor Generals Office
Plattsmouth. January 29th 1873

The foregoing field Notes of the survey of the 5th Guide Meridian West from the 4th to 5th Standard Pll. North Executed by Enos F. Gray deputy surveyor under Joint contract wherein Enos F. Gray and John N. Hays are Joint contractors in the month of August 1873. having been critically Examined the Necessary corrections and Explanations Made the said field notes and surveys they describe are hereby approved

E. E. Cunningham
Surveyor General

Field Notes
of
The Survey of the 5th Guide Meridian West.
between
The 5th and 6th Standard Pels N
in
The State of Nebraska
Executed
By Ira W. La Munyon deputy Surveyor under Joint Contract No 104 dated Sept 6th 1876.

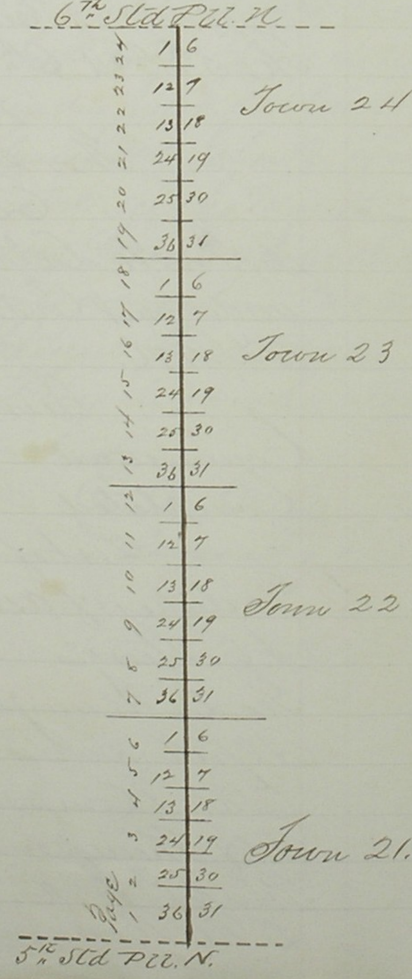
Survey

Commenced October 8th 1876
Completed October 9th 1876

List of Names
and duties of assistants

A. E. Sturgis	Chainman
Geo La Munyon	Chainman
Alfred Davis	Chainman
C M Thompson	Chainman
W. B. Thompson	Mounidman
Frank E Parker	Mounidman
D M Benson	Flagman

Index Diagram
of
5th Guide Meridian West. But
5th & 6th Std Pls N. in Nebraska



5th Guide Meridian West. Cet Fifth and
Sixth Standard Pls North Cet Ranges 40 & 41 W
Township No 21. N

Chains From the 6th initial point on the
5th Standard Pl N. I run
North at the True Magnetic Variation obtained by Burts improved Solar Compass
Va 14° 05' E
North on true line between Secs 31 & 36.
Va 14° 05' E
40 00 Raised Mound of Earth 2 1/2 ft high
from pits 18 x 24 in x 12 in deep
as per instructions for 1/4 sec Cor
~~70 00 Enter Marsh E. & W.~~
80 00 Set post 3 in x 3 in x 4 ft long 1 ft deep
Mkd as per instructions raised
Mound of Earth 3 ft high from
pits 18 x 24 in x 12 in deep as
per instructions for Cor to secs
25. 30. 31. & 36
Land Rolling 2 Gate

5th Guide Meridian West

Between 5th & 6th Std Sels N. & between Ranges 40 & 41 West. Township 20 & 21 N.

Chains		
		North between Secs. 25 & 30 Va 14° 05' E
40	00	Raised Mound of Earth 2½ ft high from pits 18 x 24 in x 12 in deep as per instructions for Grs Sec Cor
50.00		Set post 3 in x 3 in x 4 ft long 1 ft deep Mkd as per instructions Raised Mound of Earth 3 ft high from pits 18 x 24 in x 12 in deep as per instructions for Cor to Secs. 19. 24. 25 & 30
Land broken 3 rods		

5th Guide Meridian W

Between 5th & 6th Std Sels N. and bet Ranges 40 & 41 W. Tow. 21. N

		North bet Secs. 19 & 24 Va 14° 05' E
40.00		Raised Mound of earth 2½ ft high from pits 18 x 24 in x 12 in deep as per instructions for Grs Sec Cor.
50.00		Set post 3 in x 3 in x 4 ft long 1 ft deep raised Mound of Earth 3 ft high from pits 18 x 24 in x 12 in deep as per instructions for Cor to Secs. 13. 18. 19 & 24.
Land broken 3 rods		

5th Guide Meridian W.

Between 5th & 6th Std Pls N. and Lot Ranges 40 & 41 W. Town 21 North

North Lot Secs 13 & 18
Va 14° 04' E

40.00 Raised Mound of Earth 2½ ft high from pits 18 x 24 in x 12 in deep as per instructions for Gr Sec Cor

80.00 Set post 3 in x 3 in x 4 ft long 1 ft deep Mkd as per instructions raised Mound of Earth 3 ft high from pits 18 x 24 in x 12 in deep as per instructions for Cor to secs 7. 12. 13 & 18

Land broken 3d rate

5th Guide Meridian W.

Between 5th & 6th Std Pls N. and Lot Rs 40 & 41 W Township 21 North

North Lot Secs 7 & 12
Va 14° 04' E

40.00 Raised Mound of Earth 2½ ft high from pits 18 x 24 in x 12 in deep as per instructions for gr sec Cor

80.00 Set post 3 in x 3 in x 4 ft long 1 ft deep Mkd as per instructions raised Mound of Earth 3 ft high from pits 18 x 24 in x 12 in deep as per instructions for Cor to secs 1. 6 7 & 12

Land rolling 2d rate

5th Guide Meridian West

Between 5th & 6th Std Pls N. and Cut Ranges 40 & 41
Township 21 N

	North Cut Secs 1 & 6
	Va 14° 03' E
40.00	Raised Mound of earth 2½ ft high
	from pits 18 x 24 in x 12 in deep
	as per instructions for yr sec Cor
72.00	Enter Marsh E. & W.
80.00	Set post 3 in x 3 in x 4 ft long 1 ft deep
	Mkd as per instructions raised
	Mound of Earth 3 ft high from
	pits 18 x 24 in x 12 in deep as per
	instructions for Cor to secs 1. 6. 31
	& 36. also Cor to Towns 21 & 22
	N Ranges 40 & 41. West
	Land Rolling 3rd rate

5th Guide Meridian W.

Between the 5th & 6th Std Pls N. Ranges 40 & 41
Township No 22 N

	North Cut Secs 31 & 36
	Va 14° 03' E
9.00	Leave Marsh E. & W.
40.00	Raised Mound of earth 2½ ft high
	from pits 18 x 24 in x 12 in deep
	as per instructions for yr sec
	Cor.
80.00	Set post 3 in x 3 in x 4 ft long 1 ft deep
	Mkd as per instructions raised
	Mound of earth 3 ft high from
	pits 18 x 24 in x 12 in deep as
	per instructions for Cor to secs
	25. 30. 31. & 36.
	Land Rolling 2nd rate

5th Guide Meridian W.

Between 5th & 6th Std Pls N. Ranges 40 & 41
Township No 22 N

	North bet Secs 25 & 30
	Va 14° 02' E
40.00	Raised Mound of Earth 2 1/2 ft high pom pits 18 x 24 in x 12 in deep as per instructions for Gr Sec Cor
80.00	Set post 3 in x 3 in x 4 ft long 1 ft deep MKd as per instructions. Raised Mound of Earth 3 ft high pom pits 18 x 24 x 12 in deep as per instructions for Cor to Secs 19 24. 25 & 30
	Land rolling 2 rate

5th Guide Meridian W

Between 5th & 6th Std Pls N. Ranges 40 & 41
Town 22 N

	North bet Secs 19 & 24
	Va 14° 02' E
40.00	Raised Mound of earth 2 1/2 ft high pom pits 18 x 24 in x 12 in deep as per instructions for Gr Sec Cor
80.00	Set post 3 in x 3 in x 4 ft long 1 ft deep MKd as per instructions raised Mound of earth 3 ft high pom pits 18 x 24 in x 12 in deep as per instructions for Cor to Secs 13. 18. 19 & 24
	Land rolling 2 rate.

5th Guide Meridian W

Between 5th & 6th Std Ills N. Ranges 40 & 41
Township No 22 N

	North Cit Secs 13 & 18
	Va 14° 02' E
40.00	Raised Mound of earth 2 1/2 ft high pom pits 18 x 24 in x 12 in deep as per instructions for gr sec Cor
80.00	Set post 3 in x 3 in x 4 ft long 1 ft deep MKd as per instructions Raised Mound of Earth 3 ft high pom pits 18 x 24 in x 12 in deep as per instructions for Cor to secs 7. 12. 13 & 18
	Land rolling 2d rate

5th Guide Meridian W

Between 5th & 6th Std Ills N. Town 22 N.

	North between Secs 7 & 12
	Va 14° 02' E
40.00	Raised Mound of Earth 2 1/2 ft high pom pits 18 x 24 in x 12 in deep as per instructions for gr sec Cor
80.00	Set post 3 in x 3 in x 4 ft 1 ft deep MKd as per instructions raised Mound of earth 3 ft high pom pits 18 x 24 x 12 in deep as per instructions for Cor to secs 1. 6. 7 & 12
	Land rolling 2d rate

5th Guide Meridian West.

Between 5th & 6th Std Ills N. Township 22 N.

North Cut Secs 1 & 6
Va 14° 02' E

40.00 Raised Mound of earth 2½ ft high from pits 18 x 24 in x 12 in deep as per instructions for gr sec cor

80.00 Set post 3 in x 3 in x 4 ft 1 ft deep Mkd as per instructions raised Mound of earth 3 ft high from pits 18 x 24 in x 12 in deep as per instructions for Cor to Townships 22 & 23 N Ranges 40 & 41 West

5th Guide Meridian West

Between 5th & 6th Std Ills N. Town 23 N

Chains North Cut Secs 31. & 36.
Va 14° 01' E

40.00 Raised Mound of Earth 2½ ft high from pits 18 x 24 in x 12 in deep as per instructions for gr sec cor

80.00 Set post 3 in x 3 in x 4 ft long 1 ft deep Mkd as per instructions raised Mound of Earth 3 ft high from pits 18 x 24 in x 12 in deep as per instructions for Cor to Secs 25. 30. 31. & 36

Land broken 3rd rate

5th Guide Meridian West.

Between 5th & 6th Std Pls. N. Town 23 N

North Lat Secs. 25 & 30
Va 14° 01' E

40.00 Raised Mound of Earth 2½ ft high pour pits 18 x 24 in x 12 in deep as per instructions for gr sec Cor

80.00 Set post 3 in x 3 in x 4 ft long 1 ft deep as per instructions Raised Mound of Earth 3 ft high pour pits 18 x 24 in x 12 in deep as per instructions for Corner to secs. 19. 24. 25 & 30

Land broken 3rd rate

5th Guide Meridian W

Between 5th & 6th Std Pls. N. Town 23 N

North Lat Secs. 19 & 24
Va 14° 01' E

40.00 Raised Mound of earth 2½ ft high pour pits 18 x 24 in x 12 in deep as per instructions for gr sec Cor

80.00 Set post 3 in x 3 in x 4 ft long 1 ft deep as per instructions raised Mound of Earth 3 ft high pour pits 18 x 24 in x 12 in deep as per instructions for Cor to secs. 18. 19. 13 & 24

Land broken 3rd rate

5th Guide Meridian W.

Between 5th & 6th Std Tels N. Town 23 N

		North bet Secs. 13 & 18
		Va 14° E
40.00		Raised Mound of Earth 2½ ft high from pits 18 x 24 in x 12 in deep as per instructions for grass cor
50.00		Set post 3 in x 3 in x 4 ft long 1 ft deep Mkd as per instructions raised Mound of Earth 3 ft high from pits 18 x 24 in x 12 in deep as per instructions for Cor to Secs. 7, 12, 13 & 18
Land broken 3rd rate		

5th Guide Meridian W

Between 5th & 6th Std Tels N. Town 23 N

		North bet Secs. 7 & 12
		Va 14° E
40.00		Raised Mound of Earth 2½ ft high from pits 18 x 24 in x 12 in deep as per instructions for grass cor
50.00		Set post 3 in x 3 in x 4 ft long 1 ft deep as per instructions raised Mound of Earth 3 ft high from pits 18 x 24 in x 12 in deep as per instructions for Cor to Secs. 1, 6, 7 & 12
Land rolling 2nd rate		

5th Guide Meridian W

Between 5th & 6th Std Pls N. Town 23 N

North Bet. Secs 1 & 6
Va 14° E

40.00 Raised Mound of Earth 2½ ft high from pits 18 x 24 in x 12 in deep as per instructions for gr sec Cor

80.00 Set post 3 in x 3 in x 4 ft long 1 ft deep as per instructions M Kd. Raised Mound of Earth 3 ft high from pits 18 x 24 in x 12 in deep as per instructions for Cor to Secs 1. 6. 31. & 36 also Cor to Towns 23 & 24 N Ranges 40 & 41. W Octo 8th 1876

5th Guide Meridian W.

Between 5th & 6th Std Pls N. Town 24 N

North between Secs 31. & 36.
Va 14° East

40.00 Raised Mound of Earth 2½ ft high from pits 18 x 24 in x 12 in deep as per instructions for gr sec Cor

80.00 Set post 3 in x 3 in x 4 ft long 1 ft deep M Kd as per instructions raised Mound of Earth 3 ft high from pits 18 x 24 in x 12 in deep as per instructions for Cor to Secs 25. 30. 31. & 36.

Land rolling 2 rate.

5th Guide Meridian W.

Between 5th & 6th Std Sels N. Town 24 N.

		North Cor sec 25 & 30 Va 13° 59' E
40.00		Raised Mound of Earth 2½ ft high 3 pm pits 18 x 24 in x 12 in deep as per instructions for Qr sec Cor
80.00		Set post 3 in x 3 in x 4 ft long 1 ft deep Raised Mound of earth 3 ft high 3 pm pits 18 x 24 in x 12 in deep as per instructions for Cor to sec 19 24. 25 & 30
		Land rolling 2nd rate

Between 5th & 6th Std Sels N Town 24 N

		North Cor sec 19 & 24 Va 13° 59' E
40.00		Raised Mound of Earth 2½ ft high 3 pm pits 18 x 24 in x 12 in deep as per instructions for Qr sec Cor
80.00		Set post 3 in x 3 in x 4 ft long 1 ft deep Mkd as per instructions Raised Mound of Earth 3 ft high 3 pm Pits 18 x 24 in x 12 in deep as per instructions for Cor to sec 13. 18. 19 & 24
		Land rolling 3rd rate

Between 5th & 6th Std Pls N. Town 24 N

		North Cor Secs 13 & 18
		Va 13° 59' E
40.00		Raised Mound of Earth 2½ ft high pum pits 18 x 24 in x 12 in deep as per instructions for gr sec Cor
80.00		Set post 3 in x 3 in x 4 ft long 1 ft deep Mkd as per instructions raised Mound of Earth 3 ft high pum pits 18 x 24 in x 12 in deep as per instructions for Cor b secs 7, 12, 13 & 18
		Land rolling 2 rate

Between 5th & 6th Std Pls N. Town 24 N

		North Cor Secs 7 & 12
		Va 13° 58' E
40.00		Raised Mound of Earth 2½ ft high pum pits 18 x 24 in x 12 in deep as per instructions for gr sec Cor
80.00		Set post 3 in x 3 in x 4 ft long 1 ft deep Mkd as per instructions raised Mound of earth 3 ft high pum pits 18 x 24 in x 12 in deep as per instructions for Cor b secs 1, 6, 7 & 12
		Land broken 3 rate

5th Guide Meridian West

Between 5th & 6th Std Pls N. Town 24 N

North Lat Lec^s 1 & 6

Va 13° 57' E

40.00 Raised Mound of Earth 2 1/2 ft high
from pits 18 x 24 in x 12 in deep
as per instructions for grsec Cor

80.00 Set post 3 in x 3 in x 4 ft long 1 ft deep
M Rd as per instructions. Raised
Mound of Earth 3 ft high from
pits 18 x 24 in x 12 in deep as
per instructions for Closing Corner to Townships 24 N Rs. 40 & 41 W
of 5th Guide Meridian West
on 6th Standard Pl North as
per instructions.

Oct 9th 1876.

General Description

The 5th Guide Meridian runs through a very rolling & broken Country. Land all 2nd & 3rd rate. Water was found in marsh in Towns. 21 & 22. No timber or sign of timber along the line. There are wide Valleys through the township that are adapted to small grain raising. All well adapted to stock raising

5th Guide Meridian W. bet. 5th & 6th Std Pars.
List of Names

A list of the Names of the individuals employed to assist in surveying & Establishing the 5th Guide Meridian West from the 5th to the 6th Standard Parallels North in the State of Nebraska and showing the respective Capacities in which they acted

A. E. Sturgis	Chainman
Geo La Munyon	Chainman
Alfred Dabis	Chainman
E. M. Thompson	Chainman
W. B. Thompson	Mounduman
Frank E. Parker	Mounduman
L. M. Benson	Flagman

We do hereby certify that we assisted Sra
N. La Munyon Deputy Surveyor in
Surveying and Establishing the Fifth
Guide Meridian West between the
5th and 6th Standard Parallels North
of base line in the State of Nebraska and
that said 5th Guide Meridian has been
in all respects to the best of our knowledge
and belief well and faithfully Sur-
veyed and the boundary Monuments
all planted according to the instructions
furnished by the Surveyor General
of Commissions. Character Construction
and Marking and in the Manner as Specifi-
cally described in the foregoing field
Notes

A. E. Sturgis	Chainman
Geo La Munyon	Chainman
Alfred Davis	Chainman
Chas M. Thornton	Chainman
W. B. Thompson.	Moundman
Frank E. Parker	Moundman
E. M. Benson	Flagman

Signed in my presence and Sworn

to by the above named persons
before Me the undersigned
this day of 1876

C. R. Goodall
Notary Public for
Lincoln Nebra

I Ira N. La Munyon deputy Surveyor
do solemnly swear that in pursuance
of a joint Contract wherein E. E. Cunningham
Fred M. Dorrington A. Cunningham
George W. Fairfield and Ira N. La-
Munyon are joint Contractors with
John R. Clark Surveyor General for
the district of Nebraska and Iowa
bearing date the 6th day of September
1876. I have well faithfully and truly
in my own proper person and in strict
Conformity to the instructions furnished
by the Surveyor General the Surveying
Manual and the laws of the United
States surveyed and established the
5th Guide Meridian West of 6th P.M.
between the 5th & 6th Standard Parallels
North of base line in Nebraska. as
are represented in the foregoing
field Notes as having been surveyed
under My direction. and I do further
solemnly swear that all the Corners
of said Survey has been established

and perpetuated in strict accordance with the Surveying Manual printed instructions and special instructions of the Surveyor General of dimensions character. Construction and Marking and in the Manner as specifically described in the foregoing field Notes and that the foregoing are the true and original field Notes of such Survey

Ira W La Munyon
Deputy Surveyor

Signed in my presence and sworn to before me the Undersigned this day of 1876

O R Goodale
Notary Public for
Lincoln Nebraska

Surveyor General's Office
Plattsmouth Neb. 1876

The foregoing field Notes of the Survey of the Fifth Guide Meridian East of the Sixth P. M. between the 5th & 6th Standard Parallels North in the State of Nebraska Executed by Ira W. La Munyon under Joint Contract No 104 dated September 6th 1876 - in the Month of October 1876 having been critically Examined. the necessary corrections and Explanations Made, the said field Notes and the Surveys they describe are hereby approved

J M Clark
Surveyor General

135 j

5th Guide Meridian

Township 21. between Ranges 40 & 41 W

135 k 2

E.D.S.

Field Notes
of the
5th Guide Meridian W.
from the
6th to the 7th Standard Parallel

Executed by

Robert Harvey U.S. Deputy Surveyor
Under his joint contract No. 109 dated
July 31st 1878 wherein Nicholas J. Paul
Robert Harvey and Charles R. Stark
weather are joint Contractors

Survey Commenced August 27th 1878
Survey Completed August 28th 1878

5th Guide Meridian West Township 25 North

Found the post Standard Corner to Townships ~~24~~ 25 North, Ranges 40 and 41 West, on the 6th Standard Parallel North down, and mound and pits totally obliterated. The broken end of Cedar post found in the earth at the point for Corner. Set post and rebuild the mound. From this Corner I run

North on the 5th Guide Meridian between Sections 31 and 36 with Burts improved Solar Compass

Va 14° 30' E

2 00	Leave Valley and enter Sand hills bas NE and SW
40 00	Deposite charred Stake, raised Mound of earth 2½ feet high from pits 18 x 24 x 12 in. deep for ¼ Sec. Cor.
80 00	Set charred Stake, raised mound of earth 2½ ft high from pits 18 x 24 x 12 in. deep for Corner to Sections 25. 30. 31 and 36

See face, high rolling Sand hills thinly

Note – This country being entirely destitute of timber and no stone found I deposite charcoal at the point for ~~Section~~ and half section Corners

5th Guide Meridian West. Township 25 North

North between Sections 25 and 30
Va 14° 30' East

40 00 Deposit charred stake, raised mound of earth 2½ ft high from pits 18 x 24 x 12 in. deep for ¼ Sec. Cor.

80 00 Deposit charred stake, raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep, for corner to Sections 19. 24, 25 and 30
drove nack very post 2x2x24 in S.E. pit

Surface, high rolling prairie sand hills. Thirdrate soil

5th Guide Meridian West Township 25 North

North between Sections 19 and 24
Va 14° 30' E

40 00 Deposit charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for ¼ Sec. Cor

80 00 Deposit charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for corner to Sections 13. 18, 19 and 24

Surface, high rolling sand hills
Thirdrate soil

5th Guide Meridian West Township 25 North

North between Sections 13 and 18
Va 14° 27' East

35 00 Leave hills and enter Valley bts E & W

40 00 Deposit charred stake, raised Mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 Sec cor

68 00 Leave Valley and enter hills bts E & W

80 00 Deposit charred stake raised Mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for corner to Sections 7, 12, 13 and 18

Sand hills third rate, Valley first-rate, grass good.

5th Guide Meridian West Township 25 North

North between Sections 7 and 12
Va 14° 27' East

40 00 Deposit charred stake, raised Mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 Sec cor

43 00 Leave ~~hills~~ and enter Valley bts E & W

63 00 Leave Valley and enter hills bts E & W

80 00 Deposit charred stake, raised Mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for Corner to Sections 1, 6, 7 and 12

Valley land first rate Hills third rate

5th Guide Meridian West Township 25 N.

North between Sections 1 and 6
Va 14° 27' E

11 00 Leave hills and enter valley bes E & W.

40 00 Deposit charred stake, raised mound ~~of earth~~ 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 Sec cor

49 00 Leave valley and enter hills bes E & W

80 00 Deposit charred stake, raised mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for corner to Townships 25 and 26 North

Hills sandy Thirdrate,
valley land Firstrate

5th Guide Meridian West Township 26 N

North between Sections 31 and 36
Va 14° 27' E

40 00 Deposited charred stake, raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 Sec cor

80 00 Deposit charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for corner to sections 25, 30 31 and 36

Surface, thirdrate sandhills

5th Guide Meridian West Township 26 N

		North between Sections 25 and 30 Va 16° 25' East
40	00	Deposited charred stake, raised mound of earth 2½ ft high from pits 18 x 24 x 12 in. deep for 1/4 Sec. Cor.
80	00	Deposit charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for Corner to Sections 19, 24, 25 and 30
		Rolling prairie Medium dark sandy soil Second rate

5th Guide Meridian West Township 26 N

		North between Sections 19 and 24 Va 14° 23' E
40	00	Deposit charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in. deep for 1/4 Sec. Cor.
80	00	Deposit charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for Corner to Sections 18, 18 x 19 and 24
		Rolling prairie Medium dark sandy soil Second rate

5th Guide Meridian West Township 26 N

		North between Sections 13 and 18
		va 12° 21' East
40	00	Deposit charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in. deep for 1/4 Sec Cor
80	00	Deposited charred stake, raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for corner to Sections 7, 12 13 and 18
		Rolling prairie, Thirdrate Sand hills

5th Guide Meridian West Township 26 N

		North between Sections 7 and 12
		va 14° 21' East
14	30	Pulch Course East
16	00	Pulch Course East
40	00	Deposit charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 Sec Cor
80	00	Deposit charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for corner to Sections 1, 6 7 and 12
		Thirdrate Sand hills

5th Guide Meridian West Township 26 N

North between Sections 1 and 6
va 14 21' East

40 00 Deposit charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 Sec Cor

58 00 Leave hills and enter valley trs E & W

75 00 Leave valley and enter hills trs E & W

80 00 Deposit charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for Corner to Townships 26 and 27 North

Sand hills Thirdrate
Valley land Firstrate

5th Guide Meridian West Township 27 N

North between Sections 31 and 36
va 14° 21' East

40 00 Deposit charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 Sec cor

63 00 Leave hills and enter valley trs E & W

80 00 Deposit charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for corner to sections 25, 30, 31 and 36

Sand hills, Thirdrate
Valley land firstrate

5th Guide Meridian West Township 27 N

North between Sections 25 and 30
Va 14° 21' East

5 00 Leave valley and enter Sandhills Vrs E & W
~~35 00 Leave hills and enter valley Vrs E & W~~
40 00 Deposit charred stake raised
mound of earth 2½ ft high from
pits 18 x 24 x 12 in deep for ¼ Sec cor
78 00 Leave ~~valley~~ hills and enter ~~hills~~ valley Vrs E & W
80 00 Deposit charred stake raised
mound of earth 2½ ft high from
pits 18 x 24 x 12 in deep for corner
to sections 19. 24; 25 and 30

Valley land Second rate
Hills, Sandy Thirdrate

August 27th 1878

5th Guide Meridian West Township 27 N

North between Sections 19 and 24
Va 14° 21' East

9 00 Enter Marsh Vrs E & W
20 00 Alkali Lake about 10 ch's. East
29 00 Leave ~~Marsh~~ Vrs E & W
39 00 Leave Valley and Enter hills Vrs E & W
40 00 Deposited charred stake, raised
mound of earth 2½ ft high from
pits 18 x 24 x 12 in deep for ¼ Sec Cor
80 00 Deposited charred stake raised
mound of earth 2½ ft high from
pits 18 x 24 x 12 in deep for corner to
sections 13. 18 x 19 and 24

Hills Thirdrate
The greater part of this valley lies
in the Marsh and is Thirdrate

5th Guide Meridian West Township 27 N.

North between Sections 13 and 18
Va 14° 24' East

40 00 Deposit charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for ¼ Sec cor

~~78 00 Leave hills and enter valley bro 80 w~~

80 00 Deposit charred stake, raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for corner to sections 7, 12, 13 and 18

Hills thirdrate land
Valley Secondrate

5th Guide Meridian West, Township 27 N.

North between Sections 7 and 12
Va 14° 24' East

10 00 Leave hills and enter valley bro 80 w

34 00 Leave valley and enter hills bro 80 w

40 00 Deposit charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for ¼ Sec. Cor.

68 00 Leave hills and enter valley bro 80 w

80 00 Deposit charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in. deep for corner to sections 1, 6, 7 and 12

Hills sandy thirdrate
Valley land Secondrate

~~land~~

5th Guide Meridian West Township 27 N.

North between Sections 1 and 6
Va 14° 24' E

4 00 Leave Valley and Enter hills Vrs E & W
40 00 Deposit Charred stake raised Mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for ¼ Sec. Cor.
55 00 Leave hills and Enter Valley Vrs E & W
80 00 Deposit Charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for Corner to Townships 27 and 28 North.

Sand hills Thirdrate land
Valley land Secondrate

5th Guide Meridian West Township 28 N

North between sections 31 and 36
Va 14° 24' E

40 00 Deposit charred stake, raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for ¼ sec. Cor.
42 00 Leave valley and enter hills Vrs E & W
80 00 Deposit charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for corner to Sections 25. 30. 31 and 36

Sand hills Thirdrate land
Valley Secondrate

5th Guide Meridian West Township 28 N

North between Sections 25 and 30
Va 14° 27' East

25 00 Leave hills and enter valley Brs 25 W

40 00 Deposit charred stake raised mound of earth 2½ feet high from pits 18 x 24 x 12 in deep for ¼ Sec Cor

70 00 Leave valley and enter hills Brs 25 W

80 00 Deposit charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for corner to Sections 19, 24, 25 & 30

Hills Thirdrate Sandy soil
Valley Secondrate land

5th Guide Meridian West Township 28 N

North between Sections 19 & 24
Va 14° 30' East

40 00 Deposited charred stake, raised mound of earth 2½ ft high from pits 18 x 24 x 12 in. deep for ¼ Sec Cor

65 00 Leave hills and enter valley Brs 85 W

80 00 Deposited charred stake, raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep and drove red Cedar post 2 x 2 x 24 in 1 ft deep in South-east pit for corner to Secs. 13, 18, 19 & 24.

Valley land medium dark sandy soil Secondrate
Sandhills Thirdrate

5th Guide Meridian Township 28 N

North between Sections 13 and 18
Va 14° 30' East

15 00 Leave Valley and Enter hills Vrs E & W
31 00 Leave hills and Enter valley Vrs E & W
40 00 Deposit charred stake, raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for ¼ Sec cor
72 00 Leave Valley and Enter hills Vrs E & W
80 00 Deposit charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep. and drove red cedar post 2 x 2 x 24 in, 1 ft deep in South-east pit for Corner to Sections 7. 12. 13 and 18.

Valley Medium dark sandy soil good grass Secondrate
Sand hills Thirdrate

5th Guide Meridian West Township 28 N

North between Sections 7 and 12
Va 14° 33' E

40 00 Deposit charred stake set ash post 2 x 2 x 4½ ft 1 ft deep, raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for ¼ Sec cor
80 00 Deposited charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep and drove red cedar post 2 x 2 x 24 in 1 ft deep in South-east pit for Cor. to Sections 1. 6. 7 and 12.

Surface Rolling Sandhills
Thirdrate

5th Guide Meridian West Township 28 N

North between Sections 1 and 6
Va 14° 33' East

40 00 Deposit charred stake - Set ash post 2 x 2 in x 4½ ft 1 ft deep raised mound of earth 2½ ft high from pits 18 x 24 x 12 in for 1/4 Sec cor
stake mound of earth 2½ ft. high from pits 18 x 24 x 12 in deep

80 00 Deposit charred stake, Set red cedar post 3 x 3 in x 4½ ft 1 ft deep for corner to Township 28 North

Heigh rolling Sand hills
Thirdrate land

August 28th 1878

General Description

The surface along the 5th Guide Meridian, from the 6th to the 7th Standard Parallel is generally high rolling sand hills, but of a better quality than is generally found, the hills are smoother and generally have a more gradual slope, and are not much blown by the winds. They are covered with a good growth of grass. In the valleys. Excellent hay can be cut. There are no streams of water, there is a small clump of chokecherries and scrubby hackberry west of the line in Sec 1 Township 28 North Range 40 West

There are a few alkali ponds and lakes in Township 27 North

6 page changed Townships 4 & 5 [illegible]
[illegible]

(E.D.S.)

5th Guide M. from the

7th to the 8th Std

Parallels

Surveyed by
Robert Harvey Deputy Surveyor
under Contract No 109 Dated July 31 1878

(PL.)

5th Guide Meridian West Township 29 North

From the established Standard corner to Township 29 North, Ranges 40 and 41 West on the 7th Standard Parallel North Run North on the 5th Guide Meridian between Sections 31 and 36 variation by Burts improved Solar Compass 14° 45' East

40.00 Deposit charred stake, Set Red Cedar post 2 x 3 in x 4 1/4 ft 1 foot deep, raised mound of earth 2 1/2 ft high from pits 18 x 24 x 1 ft deep for 1/4 Sec

80 00 Deposit charred stake set red cedar post 4 x 4 in x 4 1/4 ft ~~high~~, 1 ft deep, raised mound of earth 2 1/2 ft high from pits 18 x 24 x 12 in deep for Corner to Secs. 25, 30, ~~and~~ 31 and 36

Thirdrate Sandhills

5th Guide Meridian West Township 29 North

North between Sections 25 and 30
Va 14° 57' E

12 00 Leave Sand hills and enter Valley trs E & W
26 00 Leave Valley and Enter Sand hills trs E and W
40 00 Deposit charred stake, Set red Cedar post 2 x 3in x 4½ft 1 ft deep, raised Mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 Sec. Cor
62 00 Leave hills and enter Valley trs E. & W.
68 00 Leave Valley and Enter hills trs E & W
80 00 Deposited charred stake, Set red cedar post 3 x 3in x 4½ft 1 ft deep, raised Mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for corner to Sections 19 24, 25 and 30

Valley land Secondrate land tall grass, Sand hills Thirdrate

5th Guide Meridian West Township 29 North

North between Sections 19 and 24
Va 15° East

19 00 Leave hills and enter Valley trs E & W
30 00 Leave Valley and Enter ~~Valley~~ hills trs E & W
40 00 Deposit charred stake, Set red cedar post 2 x 3in x 4½ft 1 ft deep, raised Mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 Sec Cor
80 00 Deposit charred stake, Set red cedar post 4 x 4in x 4½ feet high 1 ft deep, raised mound of earth 2½ feet high from pits 18 x 24 x 12 in deep for corner to Sections 13, 18 & 19 and 24

Valley land Secondrate
Sand hills Thirdrate

5th Guide Meridian West Township 29 North

North between Sections 13 and 18
Va 15° 06' E

40 00 Deposit Charred Stake ~~Set~~ red cedar post 2 x 3in x 4½ft 1 ft deep raised mound of earth 2½ ft high from pits 18 x 24 x 12in deep for ¼ Sec Cor

80 00 Deposit Charred Stake. Set red cedar post 3 x 3in x 4½ft high ~~1 ft~~ deep from pits 18 x 24 x 12 in deep for Corner to Sections 7. 12. 13 and 18

Thirdrate Sand hills

5th Guide Meridian West Township 29 North

North between Sections 7 and 12
Va 15° 07' E

6 00 Leave hills and enter valley trs E & W

18 00 Leave Valley and enter ~~valley~~ hills trs E & W

40 00 Deposit Charred Stake. Set red cedar post 2 x 3in x 4½ft 1 ft deep, raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for ¼ Sec Cor

58 00 Leave hills and enter valley trs E & W

68 00 Leave valley and enter hills trs E & W

80 00 Deposit Charred Stake Set red cedar post 4 x 4in x 4½ft 1 ft deep raised Mound of earth 2½ high from pits 18 x 24 x 12 in deep for Corner to Sections 1. 6 7 and 12

Valley land Seconddate
Sand hills Thirdrate

5th Guide Meridian West Township 29 North

North between Sections 1 and 6
Va 15° 12' E

40 00 Deposit charred stake. Set red cedar post 4 x 4 in x 4½ ft 1 ft dup. raised mound of earth 2½ ft high from pits 18 x 24 x 12 in dep for ¼ Sec Cor

80 00 Deposit charred stake. Set red cedar post 4 x 4 in x 4½ ft 1 ft dup raised mound of earth 2½ ft high from pits 24 x 24 x 12 in dep for corner to Townships 29 and 30 North.

Surface rolling: high timbered hills Thirdrate

5th Guide Meridian West Township ~~29~~ 30 North

North between Sections 31 and 36
Va 15° 21' E

29 00 Leave hills and enter valley brs E and W

30 00 Lake lying East and West 3 chains wide

40 00 Deposit charred stake. Set hackberry post 2 x 3 in x 4½ ft 1 ft dup, raised mound of earth 2½ feet high from pits 24 x 24 x 12 in dep for ¼ Sec Cor

45 00 Leave valley and enter hills brs E and W

80 00 Deposit charred stake. Set Red Cedar post 3 x 3 in x 4½ ft 1 ft dup, raised mound of earth 2½ ft high from pits 24 x 24 x 1 ft dep for corner to Secs 25, 30, 31 and 36

Valley land Secondrate
Hills Sandy 3rd rate
There is a small thicket of plum, choke cherry hackberry and some cedar on South side of lake

5th Guide Meridian W. Township 30 North

North between Sections 25 and 30
Va 15 06' E

18 00 Leave low Sandhills and enter Valley Vrs E & W
35 90 Snake River, Slough dry on line Course E.
38 00 Leave Valley and enter low rolling Sandhills Vrs E & W
40 00 Deposit Charred stake, Set Red Cedar post 2 x 3 in x 4½ ft 1 ft deep, raised Mound of earth 2½ ft high from pits 24 x 24 x 12 in deep for 1/4 Sec Cor
80 00 Deposit Charred stake, Set Red Cedar post 3 x 3 in x 4½ ft 1 ft deep, raised Mound of earth 2½ ft high, from pits 24 x 24 x 12 in deep for Corner to Sections 19. 24 25 and 30

Sandhills thirdrate Valley black sandy soil firstrate produces good tall grass suitable for hay.

5th Guide Meridian West. Township 30 North

North between Sections 19 and 24
Va 15 06' E

40 00 Deposit Charred stake. Set Red Cedar post 2 x 3 in x 4½ ft 1 ft deep, raised mound of earth 2½ ft high from pits 24 x 24 x 12 in deep for 1/4 Sec Cor
80 00 Deposit Charred stake, Set Red Cedar post 3 x 3 in x 4½ ft 1 ft deep, raised mound of earth 2½ ft high from pits 24 x 24 x 12 in deep for Corner to Sections 13. 18 x 19 and 24

Surface is low rolling sandy hills. Medium dark soil. produces a good growth of grass for grazing purposes.

5th Guide Meridian, Township 30 North

North between Sections 13 and 18
Va 15° 06'8

40 00 Deposit charred stake, Set Red Cedar post, 3 x 3in x 4½ft - 1 ft - dep, raised Mound of earth 2½ ft high from pits 24 x 24 x 12 in dep for 1/4 Sec Cor

80 00 Deposit charred stake, Set Cedar post 3 x 3in x 4½ft 1 ft dep raised Mound of earth 2½ from pits 24 x 24 x 12 in dep for Corners to Sections 7. 12. 13 and 18.

Gently rolling sandy hills. Medium dark sandy soil. Has good grass

5th Guide Meridian W. Township 30 North

North between Sections 7 and 12
Va 15 09'8

40 00 Deposit charred stake, Set Cedar post 2 x 3in x 4½ft - 1 ft - dep. raised mound of earth 2½ ft high from pits 24 x 24 x 12 in dep for 1/4 Sec Corner.

80 00 Deposit charred stake, Set Red Cedar post 3 x 3in x 4½ft - 1 ft - dep, raised mound of earth 2½ ft high from pits 24 x 24 x 12 in dep for Corners to Sections 1. 6. 7 and 12

Surface, Gently rolling prairie Medium dark sandy soil good grass Good third rate land

5th Guide Meridian W. Township 30 North

North between sections 1 and 6
Va 15° 12' E

40 00 Deposit Charred Stake. Set Red Cedar post 2 x 3in x 4½ft - 1 ft deep raised Mound of earth 2½ ft high from pits 24 x 24 x 12 in deep for ¼ Sec. Cor.

80 00 Deposit Charred Stake Set Red Cedar post 4 x 4in x 4½ft - 1 ft deep. raised Mound of earth 2½ ft high from pits 24 x 24 x 12 in deep for 4 Townships 30 and 31 North

Rolling prairie, Medium dark sandy soil Good Thirdrate land

5th Guide Meridian W. Township 31 North

North between sections 31 and 36
Va 15° 15' E

40 00 Deposit Charred Stake. Set Red Cedar post 2 x 3in x 4½ft - 1 ft deep. raised Mound of earth 2½ ft high from pits 24 x 24 x 12 in deep for ¼ Sec Cor

80 00 Deposit Charred Stake. Set Red Cedar post 3 x 3in x 4½ft - 1 ft deep raised Mound of earth 2½ ft high from pits 24 x 24 x 12 in deep for Corner to Sections 25. 30 31 and 36

Surface, Gently rolling prairie Medium dark Sandy Soil Good Thirdrate land

5th Guide Meridian West. Township 31 North

North between Sections 25 and 30
Va 15° 12' E

40 00 Deposit Charred Stake Set Cottonwood post 2×3in×4½ft 1 ft dup raised Mound of earth 2½ ft high from pits 24×24 12 in dup for ¼ Sec Cor

80 00 Deposit Charred Stake. Set Red Cedar post 3×3in×4½ft 1 ft dup raised Mound of earth 2½ ft high from pits 24×24 ×12 in dup for Corner to Sections 19. 24. 25 and 30

Rolling prairie Medium dark sandy soil Good Thirdrate land

5th Guide Meridian West. Township 31 North

North between Sections 19 and 24
Va 15° 12' E

40 00 Deposit Charred Stake. Set Red Cedar post 2×3in×4½ft ~~high~~ 1 ft dup, raised mound of earth 2½ ft high from pits 24×24× 12 in dup for ¼ Sec Cor

80 00 Deposit Charred Stake. Set Red Cedar post 3×3in×4½ft ~~high~~ 1 ft dup. raised Mound of earth 2½ ft high from pits 24×24 ×12 in dup for Corner to Sections 13. 18. 19 and 24

Rolling prairie, Medium dark sandy soil Secondrate land

5th Guide Meridian West. Township 31 North

North between Sections 13 and 18
Va 15° 13' E

8 40 Spring Brook 3 lks wide runs N.W.

40 00 Deposit charred stake. Set Cottonwood post 2 x 3in x 4½ft 1 ft deep raised Mound of earth 2½ft high from pits 24 x 24 x 12 in deep for 1/4 Sec Cor

80 00 Deposit charred stake, Set Cottonwood post 3 x 3in x 4½ft 1 ft deep, raised mound of earth 2½ ft high from pits 24 x 24 x 12 in deep for Corner to Sections 7, 12 13, and 18

Gently rolling prairie, dark sandy soil Second rate

5th Guide Meridian West. Township 31 North

North between Sections 7 and 12
Va 15° 18' E

40 00 Deposit charred stake. Set Cottonwood post 2 x 3in x 4½ft ~~high~~ 1 ft. deep raised Mound of earth 2½ft high from pits 24 x 24 x 12 in deep for 1/4 Sec Cor

75 00 Leave Tableland and enter Niobrara

80 00 Enter Niobrara River bottom runs N.E. and S.W.

~~80 00~~ Deposit charred stake. Set Cottonwood post 3 x 3in x 4½ft 1 ft deep, raised mound of earth 2½ ft high from pits 24 x 24 x 12 in deep for Corner to Sections 1, 6, 7 and 12

Valley land Black Soil, Tall grass
First rate land

5th Guide Meridian West. Township 31 North

North between Sections 1 and 6
Va 15° 12' E

40	00	Deposit charred stake, set cottonwood post 2 x 3in x 4½ ft high 1 ft dep, raised mound of earth 2½ ft high from pits 24 x 24 x 12 in dep for 1/4 Sec Cor
64	70	Niobrara River runs N.E.
69	15	Sears River and Entr low wet bottom land E & W
73	00	Sears Valley and enter upland W & E. T. W.
80	00	Deposit charred stake set White ash post 4 x 4in x 5 ft ~~high~~ 1 ft dep raised mound of earth 2½ ft high from pits 24 x 24 x 12 in dep for Corner To Townships 31 and 32 North

Valley land Second rate, dark sandy soil
Second rate
Timber, Willow, Cottonwood, and ash
Scattered along the river
Sept 4 1878

5th Guide Meridian West. Township 32 North

North between Sections 31 and 36
Va 15° 15' E

30	45	Spotted tail Agency Road N & S. T. W.
40	00	Deposit charred stake, set ash post 3 x 3in x 4½ ft 1 ft dep, raised mound of earth 2½ ft high from pits 24 x 24 x 12 in dep for 1/4 Sec Cor
80	00	Deposit charred stake, ~~set~~ Red cedar post 3 x 3in x 4½ ft 1 ft dep raised mound of earth 2½ ft high from pits 24 x 24 x 12 in dep for Corner to Sections 25. 30. 31 and 36

South 65 chains level table land dark clay soil Second rate
North 15,00 rolling Second rate

5th Guide Meridian West Township 32 North

North between Sections 25 and 30

Va 15° 09' E

16	00	Ravine Course East
40	00	Deposit charred stake. Set Red cedar post 2 x 3in x 4½ ft 1 ft dep raised mound of earth 2½ ft high from pits 24 x 24 x 12 in dep for 1/4 Sec Cor
79	85	Ravine Course S.E.
80	00	Deposit charred stake. Set limestone 14 x 12 x 4 in raised mound of earth 2½ ft high from pits 24 x 24 x 12 in dep for Corner to sections 19. 24 25 and 30

Rolling clay Tableland
Secondrate land

5th Guide Meridian West Township 32 North

North between Sections 19 and 24

Va 15° 09

31	65	Grand Island and Black Hills Wagon Road M.M.R.R.
36	50	Ravine Course. East
40	00	Deposit charred stake. Set Willow post 2 x 3in x 4½ ft 1 ft dep. raised mound of earth 2½ ft high from pits 24 x 24 x 12 in dep for 1/4 Sec Cor
79	75	Ravine Course East
80	00	Deposit charred stake. Set Red cedar post 3 x 3in x 4½ ft 1 ft dep raised mound of earth 2½ ft high from pits 24 x 24 x 12 in dep for Corner to sections. 13. 18. 19 and 24

Gently rolling tableland clay soil Secondrate

5th Guide Meridian West. Township 32 N.

North between Sections 13 and 18
Va 15° 15' E.

40 00 Deposit Charred Stake. Set Willow post 2 x 3in x 4½ft. 1 ft dep. raised mound of earth 2½ ft high from pits 24 x 24 x 12 in dep for 1/4 Sec. Cor.

41 40 Antelope Creek 20 lks wide runs East Creek Mirg and full of Beaver dams

55 00 Canon Course S.W.

80 00 Deposit Marked Limestone 6 x 4 x 4 in. Set Pine post 3 x 3in x 4½ft 1 ft dep raised mound of earth 2½ ft high from pits 24 x 24 x 12 in dep for Corner to Sections 7, 12, 13 and 18

Soil South of Creek Sandy 3rd rate North Clay and broken 3rd rate. Scattering willow bushes along the Creek

5th Guide Meridian West. Township 32 N.

North between Sections 7 and 12
Va 15° 03' East

22 00 Canon Co S.W.

40 00 Deposit Charred Stake. Set pine post 2 x 4in x 4½ft 1 ft dep. raised Mound of earth 2½ ft high from pits 24 x 24 x 12 in dep for 1/4 Sec Cor

80 00 Deposit Charred Stake. Set pine post 4 x 4in x 4½ft 1 ft dep. raised Mound of earth 2½ ft high from pits 24 x 24 x 12 in dep for Corner to Secs. 1, 6, 7 and 12.

South 35 chains rolling and broken 3rd rate. For 45 undulating dark soil Clay. Good Second rate

5th Guide Meridian West. Township 32 North

North between Sections 1 and 6.
Va 15° 08' East

40 00 Deposit charred stake ~~set~~ pine post 2 x 4 in x 4½ ft 1 ft dep, raised mound of earth 2½ ft high from pits 24 x 24 x 12 in dep for 1/4 Sec Cor

52 23 Intersect the 8th Standard Parallel North 5 chains and 41 links West of the Standard Corner to Sections 31 and 32

Deposit charred stake, set pine post 4 x 4 in x 4½ ft 1 ft dep, raised mound of earth 2½ ft high from pits 24 x 24 x 12 in dep for standard corner to Township No 32 Range 40 & 41 West.

Note Cedar post in Mound

Surface rolling dark clay soil
Good second rate land

Sept 5th 1878

General Description

The surface and soil along the 5th Guide Meridian, between the 7th and 8th Standard Parallels is varied.

In Township 29 North the surface is rolling sandhills with a few narrow valleys, interspersed among the hills, which produce good grass suitable for hay. There are no streams of living water

In Township 30 the surface is rolling and sandy but of a better quality than 29. There is considerable land that would be good for the agriculturist. In the South East of Section 36 there is a small lake or pond. It has a small quantity of choke cherry, hackberry and cedar on south side. Township 31 is watered by the Niobrara River and by small spring Brooks as tributaries. The surface is gently rolling medium dark sandy soil. There is some small timber, of willow cottonwood and ash on the

River and some cedar and pine in the Spring Brook

The land in Township ~~of~~ 32 is of a Clay loam, gently rolling table-land and will make fair land for the agriculturist. Antelope Creek runs East through the North part of the Township

Surveyor Generals Office
Plattsmouth Neb. Jany. 28th 1879

The foregoing field notes of the Survey of the 5th Guide Meridian from the 6th to the 8th Standard Parallel North of the base line and West of the 6th Principal Meridian in Nebraska Executed by Robert Harvey Deputy Surveyor under joint contract No 109 dated July 31st 1878 in the months of August and September 1878 having been critically examined, the necessary corrections and explanations made the said field notes and the surveys they describe are hereby approved.

Jno R Clark Surveyor General

Fifth Guide Meridian from Eighth Standard to North Boundary

by

Frank McCornell Deputy Surveyor under Contract No 107 Dated July 30th 1877

(P.)

Start

(A)

Field Notes of the Survey and Establishment of the Fifth Guide Meridian West of the Sixth Principal Meridian from the Eighth Standard Parallel North of the Base line in Nebraska to the North Boundary of the State of Nebraska

Surveyed by Frank M. Crowell deputy Surveyor under joint Contract No 107 bearing date 30th July 1877 wherein Nicholas J. Paul and Frank M. Crowell are joint Contractors with John R. Clark United States Surveyor General for the District of Nebraska and Iowa

Survey Commenced Sept. 9th 1877

Survey Completed September 10th 1877

(13)

Names and duties of Assistants

Arthur D. Sears, Chainman
George Haden Chainman
Rodney Crow Chainman
James Templeton Chainman
J. F. Monahan Cornerman
Wm J. Thompson Cornerman
W. R. Bacon Flagman

Fifth Guide Meridian West T. 33 North

Begin at the established Standard Corner to Townships 33 North Ranges 40 and 41 W. being the 9th Initial Point of the Fifth Guide Meridian and run North between secs. 31 and 36
Variation by Burts Improved Solar Compass. 14° 56' E

40 00 Set a chained Willow post 3×3 in 4 ft. 1 ft deep raised mound of earth 2 1/2 ft high from pits 18×24×12 in deep for 1/4 sec. Cor.

80 00 Set a chained Willow post 4×4 in 4 ft. 1 ft. deep, raised mound of Earth 2 1/2 ft. high, from pits 18×24×12 in deep for Corner to secs. 30. 31. 25 & 36
Land gently rolling
Soil clay firstrate

Fifth Guide Meridian West. T. 33 North

North between secs 25 and 30
Va 14° 57' E

40 00 Set a chamed Willow post 3×3 in 4 ft. 1 ft. deep raised mound of earth 2½ ft. high from pits 18×24×12 in. deep for 1/4 sec. Cor.

80 00 Set a chamed Willow post 4×4 in 4 ft. 1 ft. deep, raised mound of Earth 2½ ft. high from pits 18×24×12 in deep for corner to secs. 19, 30, 24 and 25

Gently rolling Clay land
Soil 1st rate

Fifth Guide Meridian W. T. 33 North

North between secs. 19 and 24
Va 14° 57' E

40 00 Set a chamed Willow post 3×3 in 4 ft. 1 ft. deep, raised mound of Earth 2½ ft. high from pits 18×24×12 in. deep for 1/4 sec. Cor.

80 00 Set a chamed Willow post 4×4 in 4 ft. 1 ft. deep, raised mound of Earth 2½ ft high from pits 18×24×12 in. deep for corner to secs. 18, 19, 13 and 24

Land gently rolling
Soil, Clayloam first rate

Fifth Guide Meridian West. T. 33 North

North between secs. 13 & 18
Va 14° 51' E

40 00 Set a charred Willow post 3×3 in. 4 ft. 1 ft. deep raised mound of earth 2½ ft. high from pits 18×24×12 in. deep for 1/4 sec. cor.

80 00 Set a charred willow post 4×4 in. 4 ft. 1 ft. deep raised mound of earth 2½ ft. high from pits 18×24×12 in. deep for corner to secs 7, 18, 12 and 13

Land gently Rolling
Soil, firstrate

Fifth Guide Meridian West. T. 33 North

North between secs 7 and 12
Va 14° 57' E

40 00 Set a charred Willow post 3×3 in 4 ft. 1 ft. deep, raised mound of Earth 2½ ft high from pits 18×24×12 in. deep for 1/4 sec. cor.

80 00 Set a charred Willow post 4×4 in. 4 ft. 1 ft. deep, raised mound of earth 2½ ft. high from pits 18×24×12 in. deep for corner to secs 6, 7, 1 and 12

Land gently rolling
Soil, firstrate

Fifth Guide Meridian West T. 33 North

North between secs 1 and 6
Va 14° 57' E

40 00 Set a chamed Willow post 3×3 in 4 ft. 1 ft. deep, raised mound of Earth 2½ ft high from pits 18×24×12 in. deep for 1/4 sec Cor.

80 00 Set a Chamed Willow post 4×4 in 4 ft. 1 ft. deep, raised mound of earth 2½ ft. high from pits 18×24×12 in. deep for Corner to Township 33 and 34 North, Ranges 40 and 41 West
Land gently rolling
Soil first rate

Stop

Fifth Guide Meridian West T. 34 North

North between secs. 31 and 36
Va 14° 51' E

40 00 Set a charred Willow post 3×3 in 4 ft. 1 ft. deep raised mound of Earth 2½ ft. high from pits 18×24×12 in deep for 1/4 sec cor

80 00 Set a chamed Willow post 4×4 in 4 ft. 1 ft. deep, raised mound of Earth 2½ ft. high from pits 18×24×12 in. deep for corner to secs. 30, 31, 25 and 36
Land gently rolling
Soil first rate

Fifth Guide Meridian West T. 34 North

North between secs. 25 and 30
Var 14° 51' E

5 00 Leave undulating clay land and enter Rolling sandy hills

40 00 Set a charred willow post 3 x 3 in. 4 ft. 1 ft. deep, raised mound of earth 2 1/2 ft. high from pits 18 x 24 x 12 in deep for 1/4 sec. cor

80 00 Set a charred willow post 4 x 4 in. 4 ft. 1 ft. deep, raised mound of earth 2 1/2 ft. high from pits 18 x 24 x 12 in deep for Corner to secs. 19. 30. 24 and 25

Land, rolling, hilly
Soil thirdrate

Fifth Guide Meridian West T. 34 North

North between secs. 19 and 24
Var 14° 51' E

40 00 Set a charred willow post 3 x 3 in 4 ft. 1 ft. deep. raised mound of earth 2 1/2 ft. high from pits 18 x 24 x 12 in. deep for 1/4 sec. cor.

80 00 Set a charred willow post 4 x 4 in. 4 ft. 1 ft. deep, raised mound of earth 2 1/2 ft. high from pits 18 x 24 x 12 in. deep for Corner to secs. 18. 19. 13 and 24

Land gently rolling hill
Soil, sandy, Secondrate

September 9th 1877

Fifth Guide Meridian West T. 34 North

North between secs. 13 and 18
Va 14° 51' E

40 00 Set a chamed Willow post 3×3 in 4 ft. 1 ft. deep, raised mound of earth 2½ ft. high from pits 18×24×12 in. deep for 1/4 sec cor

76 00 Enter Dry Marsh and Peat bed bears N W & S E

80 00 Set a chamed Willow post 4×4 in. 4 ft. 1 ft. deep, raised mound of earth 2½ ft. high from pits 18×24×12 in deep for corner to secs 7, 18, 12 & 13
Upland Sandy thirdrate
Marsh, rich loam 1st rate

Fifth Guide Meridian West T. 34 North

North between secs. 7 and 12
Va 14° 51' E

40 00 Set a chamed Willow post 3×8 in. 4 ft. 1 ft. deep, raised mound of earth 2½ ft. high from pits 18×24×12 in. deep for 1/4 sec cor.

50 00 Leave Dry Marsh and enter Sandy Upland bears N E & S W

80 00 Set a chamed Willow post 4×4 in 4 ft. 1 ft. deep, raised mound of earth 2½ ft. high from pits 18×24×12 in. deep for corner to secs 6, 7, 1 and 12
Land in old marsh, rich vegetable mold 1st rate
Balance Sandy, thirdrate

Fifth Guide Meridian West T. 34 N

North between secs. 1 and 6
Va 14° 51' E

40 00 Set a charred Willow post 3×3 in. 4 ft. 1 ft. deep, raised mound of earth 2½ ft. high from pits 18×24×12 in. deep, for 1/4 sec. cor.

80 00 Set a charred Willow post 4×4 in 4 ft. 1 ft. deep, raised mound of earth 2½ ft. high from pits 18×24×12 in deep for corner to Township 34 and 35 N. Ranges 40 and 41 West.

Land rolling Sandy hills
Soil Thirdrate

Fifth Guide Meridian West T. 35 N.

North between secs. 31 and 36
Va 14° 51' E

40 00 Set a charred willow post 3×3 in 4 ft. 1 ft. deep, raised mound of earth 2½ ft. high from pits 18×24×12 in deep for 1/4 sec. cor

42 00 Enter dry marsh and Peat bed bears E and W.

74 00 Leave same bears E & W.

80 00 Set a charred Willow post 4×4 in 4 ft. 1 ft. deep, raised mound of earth 2½ ft. high from pits 18×24×12 in. deep for corner to secs. 30, 31, 25 and 36

Dry marsh Soil firstrate
Replanted Thirdrate

Fifth Guide Meridian West. T. 35 North

North between secs. 25 and 30
Va 14° 51' E

40 00 Set a charred Red Cedar post 3×3 in. 4 ft. 1 ft. deep, raised mound of earth 2½ ft. high from pits 18×24×12 in deep for 1/4 sec cor.

80 00 Set a charred Red Cedar post 4×4 in 4 ft. 1 ft. deep, raised mound of earth 2½ feet high from pits 18×24×12 in deep for corner to secs 19, 30, 24 and 25

Land gently rolling
Soil Thirdrate

Fifth Guide Meridian West. T. 35 North

North between secs. 19 & 24
Va 14° 51' E

25 00 Enter Valley or dry marsh bears E and W.

40 00 Set a charred Red Cedar post 2×3 in 4 ft. 1 ft. deep, raised mound of Earth [illegible] ft. high from pits 18×24×12 in deep for 1/4 sec corner

45 00 Leave dry marsh bears E and West

57 50 Intersected the North boundary of the State of Nebraska 17.50 chains East of the 124th mile post at which point Set a charred Hackberry post 5×5 in 5 ft. 1 ft. deep, raised mound of earth 3 ft high from pits 24×30×18 in. deep for Closing corner to fractional Townships 35 North, Ranges 40 and 41 West

Land gently rolling
Soil. secondrate
September 10th 1877

Start

Fifth Guide Meridian West of 6th P.M.

General Description

From the Standard Corner North ward seven miles the land is gently rolling prairie, soil a deep Clayey loam, first rate Limestone croppings are visible in several places along this part of the line - The land is well adapted to the growth of small grains -

From the Seventh Mile post to the North boundary the land consists of alternate ridges and vales bearing in general in a N.W and S.E direction The ridges generally sandy and thirdrate. The vales are filled with a rich deposit of vegetable mold and gray peat - In many places the peat has burned out while in many others it was found to be burning. and to have been

burning for several months leaving a deep bed of strong ashes, from which are derived the numerous small Alkali lakes found in the lower portion of such vales -

The soil is generally very rich in these vales except where the Peat is found

The surface is generally covered with a good coat of nutritious grass And is well adapted to grazing as well as to growth of small grain, except on the ridges which are generally sandy and thirdrate -

The "Great American Desert" will vanish before the tread of the hardy pioneer till its place will be known only those versed in our early History

of dimensions, character construction and marking
in the manner as specifically described in the foregoing
field notes.

We hereby certify that we assisted Frank M. Crowell deputy surveyor in surveying and establishing the Fifth Guide Meridian West from the Eighth Standard Parallel North to the North boundary of the State of Nebraska and that said Fifth Guide Meridian has been in all respects to the best of our knowledge and belief well and faithfull surveyed and the boundary monuments planted according to the instructions furnished by the Surveyor General.

Arthur D. Lewis, Chainman
George Hall, Chainman
Rodney Crowe, Chainman
James Templeton, Chainman
Peter Gorsohon, Cornerman
Wm. J. Thompson, Cornerman
S. R. Bacon, Flagman

Signed in my presence, and sworn to before me this 15th day of Nov 1877

A. G. Kendall
Clerk Dist Ct
Howard Co Nebr

I Frank M. Crowell Deputy Surveyor do solemnly swear that in pursuance of a joint Contract wherein Nicholas J. Paul & Frank M. Crowell are joint Contractors with John R. Clark United States Surveyor General for the District of Nebraska & Iowa, bearing date the 30th day of July 1877. I have well faithfully & truly in my own proper person & in strict Conformity with the instructions furnished by the Surveyor General, the Surveying Manual and the laws of the United States, Surveyed and Established the Fifth Guide Meridian West, from the Eighth Standard Parallel North, to the North Boundary of the State of Nebraska; as represented in the foregoing Field Notes as having been Surveyed under my direction; And I do further solemnly swear that all the Corners of said Surveys have been Established & perpetuated in strict accordance with the Surveying Manual, printed instructions & Special

instructions of the Surveyor General, of dimensions, character Construction and marking &c in the manner as specifically described in the foregoing field Notes &c that the foregoing are the true &c original field notes of such Survey

Frank M Crowell

Signed in my presence and sworn to before me this 23rd day of Nov. A.D. 1877

A J Kendall
Clerk Dist Court
Howard Co Nebr By W R Still Deputy

Surveyor Generals Office
Plattsmouth Neb Jan 22nd 1878

The foregoing field notes of the survey of the Fifth Guide Meridian W. from the Eighth Standard Parallel N. to the North Boundary of the State of Nebraska. Executed by Frank M Crowell deputy Surveyor under joint Contract No. 107 dated July 30th 1877 in the month of Sept 1877 having been critically examined the necessary corrections and explanations made, the said field notes and the surveys they describe are hereby approved.

Thos R. Clark
Surveyor General

Ed

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.