General Land Office • Original Field Notes

Book Number

212

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.

No. 1

5
S.P.N.
W.
6 P.M.
to
W.Bdy

94.

94

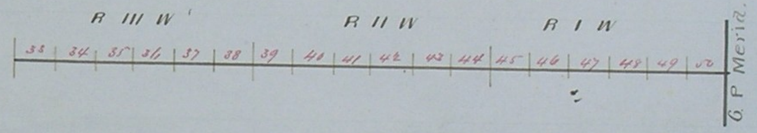
Fifth Standard Parallel North

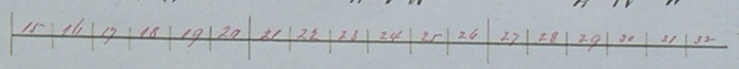
Between 6th Prin Mer and 1st Guide W.

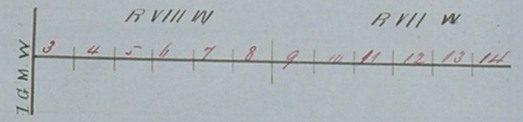
Surveyed by James Withrow D. S.

Contract No 250. July 12. 1858

Index
G. Stanel Del.


R III W
R II W
R I W
33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50
G P Merid.


R. VI W
R V W
R IV W
15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32


R VIII W
R VII W
I G M W
3 4 5 6 7 8 9 10 11 12 13 14

Territory of Nebraska } ss
County of Platte

I James Willrow deputy Surveyor do solemnly swear, that in pursuance of a contract with John Calhoun Surveyor of the public lands of the United States in the Territory of Nebraska bearing date the 12 day of July 1856, and in strict conformity to the laws of the United States and the instructions furnished by the said Surveyor General, I have faithfully surveyed the second (2) third (3) fourth (4) & fifth (5) Standard Parallels in Nebraska Territory commencing at the 6th Principal Meridian and running west eight Ranges; and do further solemnly swear that the foregoing are the true and original field notes of such survey.

James Willrow
Dep Surveyor

Subscribed by said James Withrow deputy surveyor, and sworn to before me a Notary Public in and for the above named county this Twenty seventh day of Sept A D 1858

A B Dickison
Notary Public

Territory of Nebraska }
County of Platte } ss

We hereby certify that we assisted James Withrow deputy surveyor in surveying the, second (2) third (3) fourth (4) and fifth (5) Standard Paralells in the Territory of Nebraska commencing at the 6th Principal Meridian and running West eight Ranges; and that said Paralells 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

O. M. Tennesen
W. D. Stewart
A. B. Corman
Daniel Cahoe
H. E. Goff
W

VI

G. W. Shaw
Frank C. Moody

Subscribed and sworn to before me a Notary Public in and for the above named county this Twenty Seventh day of Sept. A.D. 1858

W. B. Pattison
Notary Public

1

Beginning at the Corner to Townships 20 and 21 North of Ranges 1 East and 1 West being at the intersection of the Fifth Standard Parallel North with the Sixth Principal Meridian I find by Observation of the Polar Star the Variation by my Transite to be 13.00 East and in order to lessen the amount of Correction I run my Entire line four (4) minutes South of West and as the falling of the Instrument will be two minutes South in running Six Miles West (nearly) it therefore becomes necessary to run only two minutes South this will bring me to a point four minutes South of West from my beginning Corner in running my Six Miles at this point I set a temporary ~~post~~ Corner to Town-Ships 21 North of Ranges 1 and 2 West having as I progressed set temporary half Mile and Mile posts at every

40 and 80 Chains. in this Manner I proceed with Each Successive Six Miles of my line Looking an Observation Nightly when a Clear Sky will permit And at 47 Miles 76.68 Chains fall 187 links North of the Corner to Townships 21 North of Ranges 8 and 9 West Therefore the Correction will be 4 links South per Mile

Variation of Random line 13°1 East

Fifth Parallel North Range 8 West

From the Corner to Townships 21 North of Ranges 8 and 9 West I run a true North line by observation of the Polar Star I then turn and run Eastward from the above described line and corner at such an angle as to make the Correction of 4 links South per Mile

Along the South Boundary of Section 31 On a true line

Variation 13°00 East

36 68 Drove a Charred Stake Set a post and raised a mound with trench as per instructions for Standard Quarter Section Corner

76 68 Drove a Charred Stake Set a post and raised a mound as per instructions for Standard Corner to Sections 31 and 32

Surface rolling Soil 2nd rate

Fifth S parallel North Range 8 West

East on a true line along the South
Boundary of Section 32
Variation 13.00 East

40 00 Drove a charred Stake Set a post and
raised a Mound as per instructions
for Standard quarter Section
Corner

80 00 Drove a charred Stake Set a post
And raised a Mound as per in-
structions for Standard Corner
to Sections 32 and 33

Surface rolling Soil 2nd rate

Fifth S parallel North Range 8 West

East on a true line along the South
Boundary of Sections 33
Variation 13.00 East

40 00 Drove a charred Stake Set a post
And raised a Mound as per
instructions for Standard quar-
ter Sections Corner

80 00 Drove a charred Stake Set a post
And raised a Mound as per in-
structions for Standard Corner to
Sections 33 and 34

Surface level Soil 2nd rate

Fifth S Parallel North Range 8 West

East on a true line along the South
Boundary of Section 34
Variation 12.59 West

40 00 Drove a Charred Stake Set a post and
raised a Mound as per instruc-
tions for Standard quarter Sec-
tion Corner

80 00 Drove a Charred Stake Set a post and
raised a Mound as per instruc-
tions for Corner to Sections 34 and
35

Surface rolling soil 2nd rate

Fifth S Parallel North Range 8 West

East on a true line along the South
Boundary of Section 35
Variation 12.58 East

40 00 Drove a charred Stake Set a post and
raised a Mound as per instruc-
tions for Standard Quarter Sec-
tion Corner

58 90 Ravine bears S E

80 00 Drove a Charred Stake Set a post
and raised a Mound as per
instructions for Standard Corner
to Sections 35 and 36

Surface rolling soil 2nd rate

Fifth Standard North Range 8 West

East on a true line along the South
Boundary of Section 36
Variation 12.55 East

31 00 Ravine bears S 60 E
40 00 Drove a charred stake set a post and
raised a Mound as per instructions
for Standard quarter Section
Corner
68 50 Ravine bears S 12 E
80 00 Drove a charred stake set a post
and raised a Mound as per in-
structions for Standard Corner
to Townships 21 North Ranges
7 and 8 West
Surface rolling soil 2nd rate

Fifth Standard North Range 8 West

East on a true line along the South
Boundary of Section 31 Township 21
North Range 7 West
Variation 13.00 East

27 75 Ravine bears S 40 E
40 00 Drove a charred stake set a post and
raised a Mound as per instructions
for Standard Corner to quarter
Sections
80 00 Drove a charred stake set a post
and raised a Mound as per in-
structions for Standard Corner to
Sections 31 and 32
Surface rolling soil 2nd rate

Fifth S Parallel North Range 7 West

East on a true line along the South
Boundary of Section 32
Variation 13.0 East

40 00 Drove a charred stake set a post
and raised a mound as per instructions for Standard Corner to quarter Sections

80 00 Drove a charred stake set a post and raised a mound as per instructions for Standard Corner to Sections 32 and 33

Surface gently rolling soil 2nd rate

Fifth S Parallel North Range 8 West

East on a true line along the South
Boundary of Section 33
Variation 13.0 East

40 00 Drove a charred stake set a post
and raised a mound as per instructions for Standard quarter Section Corner

80 00 Drove a charred stake set a post and raised a mound as per instructions for Standard Corner to Sections 33 and 34

Surface level soil 2nd rate

Fifth Sparallel North Range 7 West

East on a true line along the South
Boundary of Section 34
Variation 13.00 East

24 75 Ravine bears North
39 25 Ravine bears North
40 00 Drove a chamfered Stake Set a post
and raised a Mound as per in
structions for Standard quarter
Section Corner
80 00 Drove a chamfered Stake Set a post and
raised a Mound as per instruc-
tions for Standard Corner to
Sections 34 and 35
Surface rolling Soil 2nd rate

Fifth Sparallel North Range 7 West

East on a true line along the South
Boundary of Section 35
Variation 13.00 East

22 75 Ravine bears North
40 00 Drove a chamfered Stake Set a post
and raised a Mound as per
instructions for Standard quarter
Section Corner
57 60 Ravine bears N 35 E
65 10 Ravine bears N 60 E
80 00 Drove a chamfered Stake Set a post
and raised a Mound as per
instructions for Standard Cor-
ner to Sections 35 and 36
Surface rolling Soil 2nd rate

Fifth S Parallel North Range 7 West

East on a true line along the South Boundary of Section 36
Variation 13.04 East

9 50 Cross Creek 40 links wide runs S 66 E and Enter bottom land bears S 66 E and N W

40 00 Drove a charred Stake Set a post and raised a mound as per instructions for quarter Section Corner

80 00 Leave bottom bears North and South and Drove a charred stake Set a post and raised a mound as per instructions for Standard Corner to ~~Townships~~ Ranges 6 and 7 West Townships 21 North

Surface chiefly level 2nd rate bottom

September 20th 1858

Fifth S Parallel North Range 6 West

East on a true line along the South Boundary of Section 31 Township 21 North of Range 6 West
Variation 13.04 East

40 00 Drove a charred Stake Set a post and raised a mound as per instructions for Standard Corner to quarter Sections

79 24 Rovine bears
~~79 24~~

80 00 Drove a charred Stake Set a post and raised a mound as per instructions for Standard Corner to Sections 31 and 32

Surface rather broken Soil 2nd rate

Fifth S Parallel North Range 6 West

East on a true line along the South
Boundary of Section 32
Variation 13.05 East

11 75 Ravine bears South
95 00 Ravine bears S E
40 00 Drove a Charred Stake Set a post
and raised a Mound as per in-
structions for Standard quarter
Section Corner
65 50 Ravine bears S 30 E
80 00 Drove a Charred Stake Set a post
and raised a Mound as per
instructions for corner to Sections
32 and 33
Surface broken Soil 3rd rate

Fifth S Parallel North Range 6 West

East on a true line along the South
Boundary of Section 33
Variation 12.57 East

19 50 Ravine bears S E
40 00 Drove a Charred Stake Set a post and
raised a Mound as per instruc-
tions for Standard quarter Section
Corner
47 90 Ravine bears S 40 E
80 00 Drove a Charred Stake Set a post
and raised a Mound as per in-
structions for Standard Corner
to Sections 33 and 34
Surface rather broken Soil 2nd rate

Fifth S Parallel North Range 6 West

East on a true line along the South
Boundary of Section 34
Variation 12°55' East

18 50 Ravine bears South
40 00 Drove a chorred Stake Set a post
and raised a Mound as per instruc-
tions for Standard quarter Section
Corner
80 00 Drove a chorred Stake Set a post
and raised a Mound as per instruc-
tions for Standard Corner to Sec-
tions 34 and 35
Surface rolling Soil 2nd rate

Fifth S Parallel North Range 6 West

East on a true line along the South
Boundary of Section 35
Variation 12°54' East

40 00 Drove a chorred Stake Set a post
and raised a Mound with trench
as per instructions for Standard
quarter Section Corner
80 00 Drove a chorred Stake Set a post
and raised a Mound as per in-
structions for Corner to Sections
35 and 36
Surface rolling Soil 2nd rate

Fifth S Parallel North Range 6 West

East on a true line along the South
Boundary of Section 36
Variation 12°52 East

21 50 Ravine bears S W

40 00 Drove a charred Stake Set a post
and raised a Mound as per in-
structions for Standard quarter
Section Corner

50 70 Ravine bears S 65 W

80 00 Drove a charred Stake Set a post
and raised a Mound as per
instructions for Standard Corner
to Townships 21 North Ranges 5
and 6 West

Surface rolling Soil 2nd rate

Fifth S Parallel North Range 5 West

East on a true line along the South
Boundary of Section 31 of Township
21 North of Range 5 West
Variation 12°53 East

40 00 Drove a charred Stake Set a post
and raised a Mound as per instruc-
tions for Standard Corner to Quarter
Sections

80 00 Drove a charred Stake Set a post
and raised a Mound as per instruc-
tions for Standard Corner to Sections
31 and 32

Surface rolling Soil 2nd rate

Fifth Parallel North Range 5 West

East on a true line along the South
Boundary of Section 32
Variation 13°.04 East

10 25 Ravine bears N 5° E = S 5° E
40 00 Drove a charred stake set a post
and raised a mound as per
instructions for standard quarter
Section Corner
80 00 Drove a charred stake set a post
and raised a mound as per instruc-
tions for standard Corner to Sections
32 and 33
Surface rolling soil 2nd rate

Fifth Parallel North Range 5 West

East on a true line along the South
Boundary of Section 33
Variation 13°.09 East

22 80 Ravine bears S W
33 00 Ravine bears S W
40 00 Drove a charred stake set a post
and raised a mound as per instruc-
tions for standard quarter Section
Corner
80 00 Drove a charred stake set a post
and raised a mound as per in-
structions for standard Corner to
Sections 33 and 34
Surface rolling soil 2nd rate

Fifth Parallel North Range 5 West

East on a true line along the South
Boundary of Section 34
Variation 13½ East

40 00 Drove a charred stake set a post and
raised a mound as per instructions
for standard quarter section corner
46 00 Ravine bears S 75 E
71 25 Ravine bears S E
80 00 Drove a charred stake set a post
and raised a mound as per instructions for standard corner to sections
34 and 35
Surface rolling soil 2nd rate

Fifth Parallel North Range 5 West

East on a true line along the South
Boundary of Section 35
Variation 13½ East

4 60 Ravine bears S 8 W
40 00 Drove a charred stake set a post
and raised a mound as per instructions for standard quarter
section corner
80 00 Drove a charred stake set a post
and raised a mound as per instructions for standard corner to sections
35 and 36
Surface rolling soil 2nd rate

Fifth Parallel North Range 5 West

East on a true line along the South
Boundary of Section 36
Variation 13.16 East

39 40 Pointe bears N 78 E

40 00 Drove a charred Stake Set a post
and raised a Mound as per instruc-
tions for Standard quarter Section
Corner

80 00 Drove a charred Stake Set a post and
raised a Mound as per instructions
for Standard Corner to Townships
21 North of Ranges 4 and 5 West
September 21st 1858

Fifth Parallel North Range 4 West

East on a true line along the South
Boundary of Sections 31 Township
21 North of Range 4 West
Variation 13.23 East

40 00 Drove a charred Stake Set a post and
raised a Mound as per instructions
for Standard quarter Section Corner

65 40 Pointe bears N 10 E

80 00 Drove a charred Stake Set a post
and raised a Mound as per in
structions for Standard Corner to
Sections 31 and 32

Surface rolling Soil 2nd rate

Fifth Parallel North Range 4 West

East on a true line along the South
Boundary of Section 32
Variation 13.27 East
14 75 Pointe bears North
40 00 Drove a charred stake set a post and
raised a Mound as per instructions
for Standard quarter Section Corner
80 00 Drove a charred stake set a post and
raised a Mound as per instructions for Standard Corner to Sections
32 and 33
Surface rolling Soil 2nd rate

Fifth Parallel North Range 4 West

East on a true line along the South
Boundary of Section 33
Variation 13.17 East
4 50 Pointe bears North
40 00 Drove a charred stake set a post and
raised a Mound as per instructions
for Standard quarter Section Corner
46 00 Pointe bears North and Enter bottom
bears NW and SE
80 00 Drove a charred stake set a post in
Mound with trench as per instructions
for Corner to Sections 33 and 34
Surface out of bottom rolling, of bottom
land not subject to overflow Soil
2nd rate

Fifth Parallel North Range 4 West

East on a true line along the South
Boundary of Section 34
Variation 13,16 East

40 00 Gave a charred stake Set a post
and raised a mound as per in-
structions for Standard quarter
Section Corner

80 00 Gave a charred stake Set a post
and raised a mound as per instruc-
tions for Standard Corner to Sections
34 and 35

Surface level 2 rods bottom land

Fifth Parallel North Range 4 West

East on a true line along the South
Boundary of Section 35
Variation 13,15 East

5 50 Bend in creek 16 links wide at right
angles runs N E

18 83 The same creek 16 links wide runs S 18 E

34 25 Enter timber bears North and S W

35 44 Ravine bears South

37 00 Leave timber bears N W and South

40 00 Gave a charred stake Set a post and
raised a mound as per instructions
for Standard quarter Section Cor-
ner

52 00 Leave bottom bears N W and South

80 00 Gave a charred stake Set a post
and raised a mound as per in
structions for Standard Corner to
Sections 35 and 36

Surface of bottom level of upland
rolling Soil 2 rods Timber 2 rods Burr Oak

Fifth Standard North Range 4 West

East on a true line along the South
Boundary of Section 36
Variation 13,23 East
40 00 Drove a charred Stake Set a post
and raised a Mound as per instructions for Standard quarter Section
Corner
80 00 Drove a charred Stake Set a post
and raised a Mound as per instructions for Standard Corner to
Sections Townships 21 North of Range
3 and 4 West
Surface rolling Soil 2.nd rate

Fifth Standard North Range 3 West

East on a true line along the South
Boundary of Section 31 Township
21 North Range 3 West
Variation 13,30 East
40 00 Drove a charred Stake Set a post
and raised a Mound as per instructions for Standard quarter
Section Corner
80 00 Drove a charred Stake Set a post
and raised a Mound as per instructions for Standard Corner
to Sections 31 and 32
Surface rolling Soil 2.nd rate

Fifth Parallel North Range 3 West

East on a true line along the South
Boundary of Section 32
Variation 13.32 East

17 50 Ravine bears SW

40 00 Drove a charred stake set a post
and raised a mound as per in-
structions for standard quarter
Section Corner

80 00 Drove a charred stake set a post and
raised a mound as per instructions
for standard corner to Sections 32
and 33

Surface rolling soil 2nd rate

Fifth Parallel North Range 3 West

East on a true line along the South
Boundary of Section 33
Variation 13 30 East

40 00 Drove a charred stake set a post
and raised a mound as per in-
structions for standard quarter
Section Corner

80 00 Drove a charred stake set a post and
raised a mound as per instructions
for standard corner to Sections 33
and 34

Surface rolling soil 2 rate

Fifth S Parallel North Range 3 West

East on a true line along the South
Boundary of Section 34
Variation 13°30' East

26 25 Rovine bears NE
40 00 Drove a chorred stake set a post and raised a mound as per instructions for standard quarter section corner

80 00 Drove a chorred stake set a post and raised a mound as per instructions for corner to sections 34 and 35
Surface rolling soil 2d rate

Fifth S Parallel North Range 3 West

East on a true line along the South
Boundary of Section 35
Variation 13°22' East

40 00 Drove a chorred stake set a post and raised a mound as per instructions for standard quarter section corner
80 00 Drove a chorred stake set a post in mound as per instructions for standard corner to sections 35 and 36
Surface rolling soil 2d rate

Fifth S Parallel North Range 3 West

East on a true line along the South Boundary of Section 36
Variation 13.06 East

31 90 Revine bears N 70 E

40 00 Drove a Chorred Stake Set a post and raised a Mound as per instructions for Standard quarter Section Corner

66 50 The same Revine bears S 75 E

80 00 Drove a Chorred Stake Set a post and raised a Mound as per instructions for Standard Corner to ~~Sections~~ Townships 21 North Ranges 2 and 3 West

Surface rolling soil 2nd rate

September 22nd 1858

Fifth S Parallel North Range 2 West

East on a true line along the South Boundary of Section 31 Township 21 North Range 2 West
Variation 13.00 East

40 00 Drove a Chorred Stake Set a post and raised a Mound as per instructions for Standard quarter Section Corner

80 00 Drove a Chorred Stake Set a post and raised a Mound as per instructions for Standard Corner to Sections 31 and 32

Surface rolling soil 2nd rate

Fifth S Parallel North Range 2 West

East on a true line along the South
Boundary of Section 32
Variation 13.02 East

25 00 Enter bottom lands bears North and South
40 00 Drove a chorred stake set a post and
raised a Mound as per instructions
for Standard quarter Section Corner
80 00 Drove a chorred stake set a post
and raised a Mound as per instruc-
tions for Standard Corner to Sec-
tions 32 and 33
Surface rolling soil 2nd rate

Fifth S Parallel North Range 2 West

East on a true line along the South
Boundary of Section 33
Variation 13.00 East

8 90 Stream 12 links wide runs N E
40 00 Drove a chorred stake set a post and
raised a Mound as per instruc-
tions for Standard quarter Section
Corner
80 00 Drove a chorred stake set a post
and raised a Mound as per instruc-
tions for Corner to Sections 33 and 34
Surface level 1st rate bottom lands
does not overflow

Fifth S Parallel North Range 2 West

East on a true line along the South
Boundary of Section 34
Variation 15.00 East

18 00 Grove bottom bears SW and NE
24 45 Indian Hole bears NW and S 80 E
26 00 Ronine bears North
28 95 The Same Hole bears N 80 E and S 80 W
34 00 ~~Grove~~ Enter bottom bears SE and NW
40 00 Drove a chamfered Stake Set a post
and raised a Mound as per instructions for Standard quarter Section
Corner
56 00 Ronine bears N 25 W
80 00 Drove a chamfered Stake Set a post and raised a Mound as per instructions for Corner to Sections 34 and 35
Surface chiefly level 2nd rate bottom
does not overflow

Fifth S Parallel North Range 2 West

East on a true line along the South
Boundary of Section 35
Variation 12.43 East

38 00 Grove bottom bears North and South
40 00 Drove a chamfered Stake Set a post
and raised a Mound as per instructions for Standard quarter Section
Corner
80 65 Ronine bears N 20 W
80 00 Drove a chamfered Stake Set a post and raised a Mound as per instructions for Standard Corner to Sections
35 and 36
Surface of West half of mile level 2nd rate bottom of East 1/2 of mile broken hole also 2nd rate

Fifth S Parallel North Range 2 West

East on a true line along the South
Boundary of Section 36
Variation 12°43 East

37 75 Ravine bears North

40 00 Drove a chowed Stake Set a post
and raised a Mound as per in-
structions for Standard Corner
to quarter Sections

80 00 Drove a chowed Stake Set a post
and raised a mound as per in
structions for Standard Corner to
Townships 21 North of Ranges 1 and
2 West

Surface rather broken soil 2nd rate

Fifth S Parallel North Range 1 West

East on a true line along the South
Boundary of Section 31 Township
21 North of Range 1 West
Variation 12°45 East

40 00 Drove a chowed Stake Set a post
and raised a Mound as per in-
structions for Standard quarter
Section Corner

80 00 Drove a chowed Stake Set a post and
raised a Mound as per instruc-
tions for Standard Corner to Sections
31 and 32

Surface rolling soil 2nd rate

Fifth Parallel North Range 1 West

East on a true line along the South
Boundary of Section 32
Variation 12.44 East

40 00 Drove a Charred Stake Set a post and
raised a Mound as per instructions
for Standard quarter Section
Center

49 50 Room bears South

80 00 Drove a Charred Stake Set a post
and raised a Mound as per in-
structions for Standard Corner
to Sections 32 and 33

Surface rolling Soil 2nd rate

Fifth Parallel North Range 1 West

East on a true line along the South
Boundary of Section 33
Variation 12.44 East

40 00 Drove a Charred Stake Set a post in
Mound as per instructions for
Standard quarter Section Center

80 00 Drove a Charred Stake Set a post
and raised a Mound as per in-
structions for Standard Corner
to Sections 33 and 34

Surface rolling Soil 2nd rate

September 23 1858

Fifth S. parallel North Range 1 West

East on a true line along the South
Boundary of Section 34
Variation 12.44 East

17 00 Ravine bears South
40 00 Drove a charred Stake Set a post
and raised a Mound as per in-
structions for Standard quarter
Section Corner
80 00 Drove a charred Stake Set a post
and raised a Mound as per in-
structions for Standard Corner to
Sections 34 and 35
Surface rolling Soil 2nd rate

Fifth S. Parallel North Range 1 West

East on a true line along the South
Boundary of Section 35
Variation 12.45 East

20 50 Ravine bears S 65 W
40 00 Drove a charred Stake Set a post
and raised a Mound as per in-
structions for Standard quarter
Section Corner
44 40 Ravine bears South
80 00 Drove a charred Stake Set a post
and raised a Mound as per in-
structions for Standard Corner to
Sections 35 and 36
Surface rather broken Soil 3rd rate

Fifth S Parallel North Range 1 West

East on a true line along the South
Boundary of Section 36
Variation 12.45 East

40 00 Drove a chorred Stake Set a post
And raised a Mound as per
instructions for Standard quarter
Section Corner

74 40 Rovine bears South

80 00 The Corner to Townships 20 and 21 –
North of Ranges 1 East and West
Surface rolling Soil 2nd rate

September 24th 1858

Surveyor General's Office
Nebraska City N.T.
October 27th 1858.

The foregoing Field Notes of the Survey of the Second, Third, Fourth and Fifth Standard Parallels North between the Sixth Principal Meridian and the First Guide Meridian West in Nebraska Territory, executed by James Withrow under his contract of the 12th day of July A D 1858. in the months of August and September 1858. Having been critically examined the necessary corrections and explanations made, the said Field Notes and the Surveys they describe, are hereby approved

Wm. A. B. Burnett
Surveyor General

(No 2)

Field Notes
of the
5th Standard Parallel North
from the
1st Guide Meridian
to the
2nd Guide Meridian

Executed By
Nicholas J. Paul Deputy Surveyor
Contract No 7 date June 6th 1868

Survey commenced July 15 1868
Completed July 21st 1868

From the Closing Corner to Townships
Twenty North of Ranges 16 and
17 West I run
West on a true line for convergency
40 96 Set temporary corner to Townships
53 21 North, Ranges 16 and 17 West
of the 6th Principal Meridian, as
the 5th Initial point of the
Second Guide Meridian West
From this corner I run,
East on a random line
between Townships 20 and 21
North, during the 10th 11th 12th 13th
and 14th days of July 1868, and
at Forty-Eight miles and fifty
three links I intersected the
First Guide Meridian West of
the Sixth Principal Meridian
Two-hundred and Eighty-Eight links
South of the corner to Townships
21 North of Ranges 8 and 9 West.
(The correction, therefore, will be 53 lks
East, and Six lks. North per mile.)

Reference in Book of Second Guide Meridian West

From the Standard Corner to Townships 21 North of Ranges 8 and 9 West of the Sixth Principal Meridian, I run S. 89° 57' West on a true line, on the 5th Standard Parallel along the South boundary of sec. 36

Variation by Burts improved Solar Compass 12° 18' East

15	00	Ravine course South
40	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor
76	70	Ravine course South
80	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for Standard cor. to Sections 35 and 36

Land: Hilly Second rate prairie
Soil: Hard Second rate clay

S 89° 57' West on a true line along the South boundary of sec. 35

Va. 12° 18' East.

40	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec cor
47	00	Drain course South
80	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for Standard corner to secs 34 and 35

Surface hilly prairie
Soil 2nd rate.

5th Standard Parallel North, Range 9 West

S 89° 57' West on a true line along the South boundary of sec. 34
Va 12° 15' E.

5	60	Ravine course North
21	70	Ravine course North
40	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.
68	70	Ravine course South
80	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for Standard corner to secs 33 and 34

Land; hilly & broken
Soil Second rate clay

5th Standard Parallel North Range 9 West

S 89° 57' West on a true line along the South boundary of sec 33
Va. 12° 15' E

13	00	Ravine course N. E.
40	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.
47	00	Ravine course S. W
70	00	Ravine course South
80	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to Secs 32 and 33

Land; broken and hilly
Soil; Second rate

5th Standard Parallel North Range 9 West

S 89° 57' West on a true line along
the South boundary of sec 3 2
Var. 12° 15' E

40	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.
57	00	Drain course S. W.
68	75	Drain course South
80	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for Standard corner to secs 31 and 32

Land, Broken clay hills
Soil Second rate

5th Standard Parallel North Range 9 West

S 89° 57' West on a true line along
the South boundary sec 31
Var 12° 18' East

40	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.
75	50	Drain course S. E.
78	50	Drain course S. E.
80	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for Standard Corner to Townships 21 North of Ranges 9 and 10 West

Land, Broken and hilly
Soil Second rate hard clay

5th Standard Parallel North Range 10 West

S 89° 57' West on a true line along the South boundary of sec. 36
Var. 12° 18' E.

40	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.
46	70	Ravine course South
56	00	Drain course S. E.
79	40	Drain course South
80	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to secs 35 and 36

Land Broken and hilly
Soil Second rate clay

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5th Standard Parallel North Range 10 West

S 89° 57' West on a true line along the South boundary sec. 35
Var. 12° 18' E.

30	00	Ravine course S. E.
40	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec cor
49	00	Ravine course South
80	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to Secs 34 and 35

Land, very broken and hilly
Soil. Third rate hard clay

5th Standard Parallel North Range 10 West

S 89° 57' West on a true line along the South boundary sec 34 Va. 12° 18' E

13	50	Drain course South
30	00	Leave clay Hills and enter Sand Hills bearing N. W. and S. E.
40	00	Set post, deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. c.
80	00	Set post, deposited charred stake and raised mound of earth with pits as per instructions for ~~Standard~~ corner to secs 33 and 34

Land, Broken & hilly
Soil Third rate

5th Standard Parallel North Range 10 West

S 89° 57' West on a true line along the South boundary sec. 33 Va. 12° 18' E.

40	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.
80	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to secs. 32 and 33

Land: Broken Sand Hills
Soil: Thirdrate, worthless

5th Standard Parallel North Range 10 West

S 89° 57' West on a true line along the South boundary sec 32
Va, 12° 18' E,

38 00 Leave Sand hills and enter Bottom land, bears N. W. and S. E.

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

80 00 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to secs 31 and 32

Land. Sand hills and Sandy bottom Soil Bottom 2nd, Hills 3d rate

5th Standard Parallel North Range 10 West

S 89° 57' West on a true line along the South boundary sec 31
Va 12° 18' E

28 35 A beautiful Spring Branch 10 lks. wide runs S. E.
Leave Bottom and enter Sand hills bearing N. W. and S. E.

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

80 00 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to Townships 21 North, Ranges 10 and 11 West
Bottom 2nd rate
Sandhills, Thirdrate Worthless

S 89° 57' West on a true line along
the South boundary sec 36
Va. 12° 21' E

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

47 00 Leave Sand hills and enter bottom
bears N. W. and S. E.

80 00 Set post deposited chared stake
and raised mound of earth with
pits as per instructions for
corner to secs 35 and 36

Sandhills Thirdrate
Bottom Sandy 2nd rate

S 89° 57' West on a true line along
the South boundary sec. 35
Va. 12° 18' E.

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

80 00 Set post deposited charred stake
and raised mound of earth with
pits as per instructions for corner
to secs 34 and 35

High Sandy bottom, Soil 3d rate

5th Standard Parallel North Range 11 West

S 89° 57' West on a true line along the South boundary sec. 34
Va. 12° 18' E

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

80 00 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to secs 33 and 34
High sandy bottom, Soil 3d rate

5th Standard Parallel North Range 11 West

S 89° 57' West on a true line along the South boundary sec 33
Va. 12° 18' E

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

55 20 Cedar River 3 72 lks across on line runs S. E. general right angled width about 100 lks. rapid current, quick-sand bottom from 6 to 24 inches deep

80 00 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to secs 32 and 33
High undulating Bottom
Soil third rate

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5th Standard Parallel North Range 11 West

S 89° 57' West on a true line along
the South boundary sec. 32
Va. 12° 15' E.

14 00 Leave bottom and enter Sandhills
bearing N. W. and S. E.

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

80 00 Set post deposited charred
stake and raised mound of earth
with pits as per instructions for
corner to secs 31 and 32
Land Sandy Third rate

5th Standard Parallel North Range 11 West

S 89° 57' West on a true line along
the South boundary sec 31
Va 12° 15 East

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

80 00 Set post deposited charred stake
and raised mound of earth with pits
as per instructions for corner
to Townships 21 North of
Ranges 11 and 12 West
Land: Sand Hills
Soil: Third rate worthless

5th Standard Parallel North Range 12 West

S 89° 57' West on a true line along
the South boundary of sec. 36
va 12° 18' E

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

80 00 Set post deposited charred stake and raised mound of earth with pits, as per instructions for corner to Secs 35 and 36

Land broken Sandhills
Soil, Third rate, Worthless

5th Standard Parallel North Range 12 West

S 89° 57' West on a true line along
the South boundary sec. 35
va. 12° 21' E

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

80 00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for corner to secs. 34 and 35

Sand-hills Thirdrate, worthless

5th Standard Parallel North Range 12 West

S 89° 57' West on a true line along
the South boundary sec 34
var 12° 24' East

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

80 00 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to secs 33 and 34

Land Broken Sandhills
Soil worthless Thirdrate

5th Standard Parallel North Range 12 West

S 89° 57' West on a true line along
the South boundary sec 33
Va. 12° 24' E

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

80 00 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to secs 32 and 33.

Sand Hills, Soil Thirdrate

5th Standard Parallel North Range 12 West

S 89° 57' West on a true line along the South boundary sec. 32
Va. 12° 30' East

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

80 00 Set post deposited charred stake and raised mound of earth with pits as per instructions for Standard cor. to Secs 31 and 32

Land, Sandhills
Soil Third rate worthless

5th Standard Parallel North Range 12 West

S 89° 57' West on a true line along the South boundary sec 31
Va 12° 36' E

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

80 00 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to Townships 21 North of Ranges 12 and 13 West

Land Broken Sand-Hills
Soil Third rate, worthless

5th Standard Parallel North Range 13 West

S 89° 57' West on a true line along the South boundary of sec. 36
va. 12° 42' E

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

80 00 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to secs 35 and 36

Land, Broken Sand hills
Soil, Third rate worthless

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5th Standard Parallel North Range 13 West

S 89° 57' West on a true line along the South boundary of sec. 35
va. 12° 45' E.

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

80 00 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to Secs. 34 and 35

Land, broken Sand Hills
Soil, Third rate worthless

5th Standard Parallel North Range 13 West

S 89° 57' West on a true line along
the South boundary sec. 34
Va. 12° 45' East

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

80 00 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to Secs 33 and 34

Land, low undulating Sand Hills
Soil Third. Prate

5th Standard Parallel North Range 13 West

S 89° 57' West on a true line along
the South boundary sec. 33
Va. 12° 42' E

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

80 00 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to secs 32 and 33.

Land, Undulating Sand Hills
Soil, Third rate, worthless

5th Standard Parallel North Range 13 West

S 89° 57' West on a true line along the South boundary sec 32
Va. 12° 42' East

8	20	Leave Sand region and enter broken Clay Hills bearing N. W. and S. E.
40	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.
73	80	Ravine course N. E.
80	00	Set post, deposited charred stake and raised mound of earth with pits as per instructions for corner to Secs 32 and 33

Land, Broken and Hilly
Soil Thirdrate worthless

5th Standard Parallel North Range 13 West

S 89° 57' West on a true line along the South boundary sec. 31
Va. 12° 42' E

39	50	Ravine course N. W.
40	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.
59	00	Drain course N. E.
69	60	Drain course S. W.
80	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for cor to Townships 21 North of Ranges 13 and 14 West

Land, very broken and hilly
Soil Hard, dry, clay, 3d rate

5th Standard Parallel North Range 14 West

S 89° 57' West on a true line along the South boundary Sec. 36
Va. 12° 42' East

8	00	Raise course N. W.
40	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.
53	50	Draw course S. W.
80	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to secs. 35 and 36

Surface very broken and hilly
Soil Third rate hard dry clay

5th Standard Parallel North Range 14 West

S 89° 57' West on a true line along the South boundary sec. 35
Va. 12° 51 East

17	35	Draw course S. W.
40	00	Set post, deposited charred stake and raised Mound of earth with pits as per instructions for 1/4 sec. cor.
71	30	Draw course South
80	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for cor to secs 34 and 35

Land very broken and precipitous Hills
Soil Third rate, worthless, dry, hard clay—

5th Standard Parallel North Range 14 West

S 89° 57' West on a true line along the South boundary sec. 34
Va. 12° 54' East

24	55	Ravine course South
40	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.
46	15	Ravine course South
80	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to secs 33 and 34

Land, very broken clay hills
Soil Third rate. worthless

5th Standard Parallel North Range 14 West

S 89° 57' West on a true line along the South boundary sec. 33
Va. 12° 54' E

38	50	Ravine course South
40	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.
73	80	Ravine course South
80	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 corner to secs 32 and 33

Land, very rough, broken and Hilly
Soil, Hard, dry, third rate clay

July 18th 1868

5th Standard Parallel North Range 14 West

S 89° 57' West on a true line along the South boundary sec 31
Va. 13° 00' E

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

69 00 Chain course South

80 00 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to sections 31 and 32

Land very broken and hilly
Soil, Third rate, hard, dry clay

5th Standard Parallel North Range 14 West

S 89° 57' West on a true line along the South boundary sec 31
Va. 13° 15' E

18 10 Chain course N. W.

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

43 15 Same Chain course S. W.

80 00 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to Townships 21 North of Ranges 14 and 15 West

Land, very broken and hilly
Soil, Third rate, hard dry clay

5th Standard Parallel North Range 15 West

S 89°57' West on a true line along
the South boundary sec 36
Va. 13° 24' East

#	
40	00 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.
80	00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for corner to Secs. 35 and 36

Land very broken and hilly
Soil Third rate hard dry clay

5th Standard Parallel North Range 15 West

S 89°57' West on a true line along the
South boundary sec. 35
Va. 13° 24' East

35	60 A Branch 18 lks wide course South. Water Stagnant and found only in holes, Leave clay hills and enter broken Sand hills at branch bearing North and South
40	00 Set Post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.
80	00 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to Secs. 34 and 35

Land very broken and hilly
Soil, Third rate

5th Standard Parallel North Range 15 West

S 89° 57' West on a true line along
the South boundary sec 34
Va. 13° 24' E

40 00 Set post deposited charred stake
and raised mound of earth with
pits as per instructions for 1/4 sec cor.
74 40 Deep Ravine course South
80 00 Set post deposited charred stake
and raised mound of earth with
pits as per instructions for Corner to
Secs 33 and 34
Land, very broken Sand hills
Soil Third rate worthless

5th Standard Parallel North Range 15 West

S 89° 57' West on a true line along the
South Boundary of sec. 33
Va. 13° 24' E.

15 00 Drain course South
40 00 Set post deposited charred stake and
raised mound of earth with pits as per
instructions for 1/4 sec. cor.
41 00 Leave broken hills and enter
bottom land bearing N. W and S. E.
79 00 Leave high and enter low bottom
bearing N W and S E.
80 00 Set post deposited charred stake
and raised mound of earth with
pits as per instructions for cor
to secs 32 and 33
Hills broken Third rate soil
Bottom level soil good 1st rate

5th Standard Parallel North Range 15 West

S 89° 57' West on a true line along the South boundary sec. 32
Va 13° 24' E

11 00 Leave prairie and enter dense thicket of small willows. Canes &c, bearing N W and S E

19 80 Set post deposited charred stake and raised mound of earth with pits as per instructions for Meander corner on Left Bank of N. Branch Loup River. The water being shallow I chain directly across, on line

24 37 Set post deposited charred stake and raised mound of earth with pits as per instructions for Meander corner on Left Bank

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

55 25 Leave low and enter high bottom bears N. 75° E

80 00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for corner to secs 31 & 32
Land, Bottom prairie
Soil good rich 1st rate

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5th Standard Parallel North Range 15 West

S 89° 57' West on a true line along the South boundary sec. 31
Va. 13° 24' E.

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

80 00 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to Township 21 North of Ranges 15 and 16 West
Land level prairie Bottom
Soil Good Secondrate

5th Standard Parallel North Range 16 West

S 89° 57' West on a true line along the South boundary of sec 36
Va 13° 24' E

24	00	Leave Bottom and enter broken hills bearing N. W. and S. E.
40	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.
48	35	Drain course S E
80	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to sections 35 and 36

Land. Bottom level soil 1st rate
Upland Broken and hilly soil 2nd rate

5th Standard Parallel North Range 16 West

S 89° 57' West on a true line along the South boundary of sec. 35
Va. 13° 18' East

26	10	Ravine course N. W.
37	25	Ravine course N. E.
40	00	Set post, deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor
60	90	Ravine course N. E.
80	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for ~~Standard~~ corner to secs. 34 and 35

Land very broken and hilly
Soil Third rate hard dry clay

5th Standard Parallel North Range 16 West

S. 89° 57' West on a true line along the South boundary sec. 34
Va. 13° 18' East

40 00 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.
52 00 Ravine course S.E. skirted with trees
66 50 Drain course North
78 00 Leave prairie and enter timber, along Ravine bearing N.E and S.W.
80 00 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to secs 33 and 34 from which
An Elm 18 in. dia. bears N. 54° 45' W. 145 lks. dist.
An Elm 15 in. dia bears S. 22½° E. 94 lks dist.
Land very broken and hilly
Soil hard 2nd rate clay
Scattering timber along Ravine
Bur Oak, Elm, Cottonwood,
Box-Elder, Ash and Cedar

5th Standard Parallel North Range 16 West

S. 89° 57' West on a true line along the South boundary sec 33
Va. 13° 09' E

1 00 Leave Ravine and timber bearing N.E. and S.W. and enter prairie
18 50 Gulch course South sides covered with trees
40 00 Set post, deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec cor from which
An Elm 8 in. dia. bears N. 4° 30' E 258 lks
A Cottonwood 10 in dia. bears N. 71° 14' E 231 lks.
61 25 Cedar Canon course S. E.
80 00 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to secs 32 an 33 from which
A Cedar 8½ in dia. bears S. 23½° W 156 lks.
An Elm 7 in dia bears N 57° W 181 lks.
Land, very broken and hilly
Soil Hard clay second rate
Timber, in Gulches and Canons. Elm,
Bur Oak, Cedar Cottonwood, Box Elder
and Ash

5th Standard Parallel North Range 16 West

S 89° 57' West on a true line along the South boundary of sec. 32
Va 13° 09' E

3	00	Deep Canon course North sides skirted with timber
19	00	Deep Canon course north sides skirted with trees
36	00	Ravine course North
40	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec cor.
68	40	Ravine course North
80	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to secs 31 and 32

Land very rough, broken and hilly
Soil 2nd rate hard dry clay
Timber, Cedar, Elm, Ash, Burr Oak, Hackberry and Cottonwood

July 20th 1868

5th Standard Parallel North Range 16 West

S 89° 57' West on a true line along the South boundary of sec 31
Va 13° 12' East

39	57	The Closing Corner to Townships Twenty North of Ranges 16 and 17 West.
40	00	Set post, deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.
41	90	Ravine course North
49	50	Ravine course N.E. sides timbered
80	00	Set post deposited charred stake and raised mound of earth with pits as per instructions for Standard Corner to Townships 21 North of Ranges 16 and 17 West of the Sixth Principal Meridian

Land very broken and hilly
Soil Hard clay Second rate
Timber, Elm, Hackberry, Oak, Cottonwood, Box Elder, Cedar and Ash—

July 20th 1868

General Description

The country, traversed by the Lines indicated in the foregoing "Field Notes," is generally very rough and broken. The Soil in the valley of the North Branch of Loup River is good and rich, and well adapted to agriculture. The valley of Loup River is too Sandy for agriculture. There is considerable timber in the Bluffs along the 5th Standard Parallel near the North Branch.

The Balance of the country is either broken clay hills, Soil hard and dry, or Sand Hills, where the Soil is third rate, or worthless.

A List of the names of the individuals employed to assist in running, measuring, or marking the lines and Corners described in the foregoing field Notes of The Second Guide Meridian West from the 4th to the 5 Standard Parallel North and the Fifth Standard Parallel North from the 1st to the 2nd Guide Meridian West of the Sixth Principal Meridian, showing the respective capacities in which they acted;

Martin E. Bartlett	Chainman
Edmund Hutton	Chainman
Cassian J. Ackers	Chainman
Wm H. Hogg	Chainman
Daniel Huffey	Cornerman
Robert Purdis	Cornerman
L. A Tannehill	Flagman

We hereby certify that we assisted Nicholas J. Paul, deputy Surveyor, in Surveying the Second Guide Meridian West from the 4th to the 5th Standard Parallel North, the 5th Standard Parallel North from the First to the Second Guide Meridian, West of the Sixth Principal Meridian; and that said Surveys have been in all respects, to the best of our knowledge and belief, well and faithfully Surveyed, and the boundary Monuments planted according to the instructions furnished by the Surveyor General.

Martin E. Bartlett — Chainman
Edmund Dutton — Chainman
P. J. Acker — Chainman
Daniel Duffey — Cornerman
Robert Lewis — Cornerman
S. A. Tunnehill — Flagman

Subscribed and sworn to by the above named persons

P. J. Acker chainman
Daniel Duffey cornerman
Robert Parris cornerman
S. A. Tunnehill Flagman

Subscribed and sworn to by the above named persons

before me a Notary Public for the County of Douglas, in the State of Nebraska, this 20th day of October, 1868,

Byron Reed
Notary Public

I hereby certify that I assist
Nicholas J. Paul in surveying the
Second Guide Meridian from the
Fourth to the Fifth Standard Par
allels, the Fifth Standard Parallel
from the first to the Second guide
Meridian West of the Sixth
Principal Meridian, and Nor
of the Base line, and that
said Meridian and Standard
lines have been in all respects
to the best of my knowledge and
belief, well and faithfully sur
veyed, and the ~~boundary~~ mon
uments planted according
the instructions furnished by the
Surveyor General.

Wm. D. Stoyg
Chainman.

Subscribed and sworn to by
the above named Jessen, before
a Notary Public for the County
Douglas and State of Nebraska
this 13th day of August, 1868.

Byron Reed
Notary Public

I, Nicholas J. Paul, deputy Surveyor, do Solemnly Swear that, in pursuance of a joint contract wherein Nicholas J. Paul and Oscar F. Davis are joint contractors with P. W. Hitchcock Surveyor General of the Public Lands of the United States in the State of Nebraska, bearing date the 6th day of June 1868, and in strict conformity to the laws of the United States, the Surveying Manual, the Printed Instructions and the instructions furnished by the said Surveyor General I have well faithfully and truly in my own proper person Surveyed the Second Guide Meridian West from the 4th to the 5th Standard Parallel, the 5th Standard Parallel from the 1st to the 2nd Guide Meridian, West of the 6th Principal Meridian and North of the Base line in the State aforesaid: and do

further Solemnly swear, that all the corners of said Surveys have been perpetuated in strict accordance with the Surveying Manual and printed instructions, and that the foregoing are the true and original Field Notes of such Survey.

Nicholas. J. Paul
Deputy Surveyor

Subscribed by said Nicholas J. Paul, deputy Surveyor, and sworn to before me a Notary Public for the county of Douglas in the State of Nebraska, this 20th day of October 1868,

Byron Reed
Notary Public

Surveyor Generals Office
Plattsmouth Dec 1868.

The foregoing field notes of the survey of the 2nd Guide Meridian West from the 4th to the 5th Standard Parallel the 5th Standard parallel from the 1st to the 2nd Guide Meridian, all North of the Base Line and West of the 6th Principal Meridian in the State of Nebraska Executed by Nicholas J. Paul under Joint Contract No 7 dated June 6th 1868. wherein Nicholas J. Paul and Oscar F. Davis are Joint Contractors in the Month of July 1868. having been Critically examined the necessary Corrections and explanations made the said Field notes and the Surveys they describe are hereby Approved

J. W. Hitchcock
Surveyor General

Field Notes
of the
5rd Standard Parallel North
from the
2nd to 3rd Guide Meridian

Executed By
J. B. Park Deputy Surveyor
J. B. Park 1872
Contract No. 53 dated May 10 1872

Survey Commenced July 7th 1872
Completed July 14th 1872

Fifth Standard Parallel North from Second to third Guide Meridian West.

Begin at the closing corner to Townships 20 North Ranges 24 and 25 W. on the 5th Standard Parallel North I run West for offset on ~~Bond~~ 5th Std. Par from ~~at~~ 3rd Guide Meridian West 5

Variation 13° 25' E.

60.98 In point where set post for temporary corner to townships 21 N. Ranges 24 and 25 W. and from this temporary corner I run East on a random line setting temporary corners at each half mile and mile respectively and at 48 miles 1 chains and 44 links intersected the 2nd Guide Meridian West 24 links North of the established Standard corner to Townships 20 North of Ranges 24 and 25 W. The correction therefore will be 1 chains and 44 links East and ½ link South per mile; and the true course necessary to retrace the Standard Parallel will be West

Random line run the 7th 8th 9th 10th days of July 1872

South Boundary of Township 21 N. Range 17 W. 6th Prin. Mer.

From the corner on the 2nd Guide Meridian West, to Ts. 21 N. Ranges 16 and 17 W. of the 6th Prin. Mer. I run along the South Boundary of T. 21 N. Range 17 W.

West along the South Side of Sec. 36 on the line
Variation 12° 45' E.

40 00 Set post deposit charred stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.

80 00 Set post deposit charred stake raised mound of earth with pits as per instructions for a corner to Secs. 35 and 36
Land gently roling
Soil good 2nd rate

South Boundary of Township 21 N. Range 17 W. 6th Prin. Mer.

Chains Lks. West along the South Side of Sec. 35 on the line
Variation 12° 45' E.

20 00 Leave bottom enter hills bearing N.W. and S.E.

40 00 Set post deposit charred stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.

80 00 Set post deposit charred stake raised mound of earth with pits as per instructions for a corner to Secs. 34 and 35
Land hilly
Soil 2nd rate

South Boundary of Township N. Rang W. 6th Prin. Mer.

Chains	Lks	
		West along South Side Sec. 34 on true line Va. 12° 42' W.
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Secs. 33 and 34 Land hilly Soil 2nd rate

South Boundary of Township 21 N. Range 17 W. 6th P. M.

Chains	Lks	
		West along South Side Sec. 33 on true line Variation 12° 40
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Secs. 32 and 33 Land hilly Soil 2nd rate

South Boundary of Township 21 N. Range 17 W. 6th P. M.

Chains	links	
		West along South Boundary of Section 32 on true line Variation 12°40' E.
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sec Cor.
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Secs. 31 and 32 Land hilly and broken Soil 2nd rate.

South Boundary of Township 21 N. Range 17 W. 6th Prin. Mer.

Chains	links	
		West along South Side Section 31 on true line Variation 12°50' E.
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sec Cor.
63	00	Deep Cedar Canyon descends North
71	00	Deep Cedar Canyon descends North
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Sec. on Townships 21 North of Ranges 17 and 18 West and Secs 31 and 36 Land hilly and broken Soil 2nd rate

South Boundary of Township 21 N. Range 18 West 5th M

Chains		
		West ~~Along~~ the South boundary of Sec. 36 on true line Variation 13°55' E.
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
60	00	Canyon descends N. E.
80	00	Set post deposit deposit charred Stake raised mound of earth with pits as per instructions for a corner to Sect. 35 and 36 Land hilly and broken Soil 2nd rate.

~~South Boundary~~ of T. 21 N. R. 18 W. 6th P. M.

Chains	Links	
		West on South side Sec. 35 on true line Variation 13°55' E.
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Sections 34 and 35 Land hilly and broken Soil 2nd rate

South Boundary of T. 24 N. Range 18 W. 6th P. M.

Chains		West along South boundary of Section 34 on true line Variation 13° E.
20	00	Ravine descends North.
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
80	00	Set post deposit deposit charred Stake raised mound of earth with pits as per instructions for a corner to Secs. 33 and 34
		Land hilly
		Soil 2nd rate

South Boundary of Township 24 N. Range 18 W. 6th P. M.

Chains		West along South Boundary of Section 33 on true line Variation 13° E.
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Secs. 32 and 33
		Land hilly
		Soil 2nd rate

South Boundary of T. 21 N. Range 18 W. 6th P. M.

Chains	Lks	
		West along South Boundary of Sec. 32 on true line Variation 13° E.
40	00	Set post deposit charred stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
80	00	Set post deposit charred stake raised mound of earth with pits as per instructions for a corner to Secs. 31 and 32
		Land hilly
		Soil 2nd rate

South Boundary of Township 21 N. Range 18 W. 6th P. M.

Chains		
		West on true line ~~South~~ Boundary of Sec. 31 Variation 13° E.
18	00	Drain descends North
40	00	Set post deposit charred stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
80	00	Set post deposit charred stake raised mound of earth with pits as per instructions for a corner to ~~Town~~ Ships 21 N. Ranges 18 and 19 W. also to Secs. 31 and 36
		Land hilly Soil 2nd rate

South Boundary of T. 21 N. Range 19 W. 6th P. M.

Chains	Lks	
		West along South Line of Sec. 36 on the line Variation 13° 3' E.
23	00	Ravine descends N. E.
40	00	Set post deposit charred stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
65	00	Canyon descends N. W.
80	00	Set post deposit charred stake raised mound of earth with pits as per instructions for a corner to Secs. 35 and 36

Land hilly
Soil 2nd rate

South Boundary of T. 21 N. Range 19 W. 6th P. M.

Chains	Lks	
		West along South Boundary of Sec. 35 on the line Variation 13° 5' E.
40	00	Set post deposit charred stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
80	00	Set post deposit charred stake raised mound of earth with pits as per instructions for a corner to Secs. 34 and 35

Land hilly. Soil 2nd rate

South Boundary of Township 21 N. Range 19 W. 6th P. M.

Chains	Lks	West along South boundary of Section 34 On true line Variation 13° 5' E.
40	00	Set post deposit charred stake raised mound of earth with pits as per instructions
80	00	Set post deposit charred stake raised mound of earth with pits as per instructions for a corner to Secs 33 and 34
		Land hilly
		Soil 2nd rate

July 11th 1872

South Boundary of Township 21 N. Range 19 W. 6th P. M.

Chains	Lks	West on South Side Sections 33 On true line Variation 13° 5' E.
40	00	Set post deposit charred stake raised mound of earth with pits as per instructions for a ¼ Sec. Cor.
80	00	Set post deposit charred stake raised mound of earth with pits as per instructions for a corner to Secs 32 and 33
		Land hilly
		Soil 2nd rate

South Boundary of Township 21 N. R 19 W. 6th P. M.

Chains	Lks	
		West along ~~South~~ on the line Boundary of Sec. 32 Variation 13° 5' E
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Secs. 31 and 32
		Land hilly
		Soil 2nd rate

South Boundary of Township 21 N. Range 19 W. 6th P. M.

Chains	Lks	
		West along on the line South boundary of Sec. 31 Variation 13° 5' E.
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to ~~Township~~ 21 N. Ranges 19 and 20 W. also to Secs. 31 and 36
		Land hilly
		Soil 2nd rate

South Boundary of Township 21 N Range 20 W. 6th P.M.

Chains	Lks	
		West along South Boundary of Sec. 36 on true line Variation 13° 5' E.
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Secs. 35 and 36 Land 1st 1/2 hilly ballance rolling. Soil 2nd rate

South Boundary of T. 21 N. Range 20 W 6th P.M.

Chains	Lks	
		West along South Side Sec. 35 on true line Variation 13° 7' E
40	00	Set post deposit charred. Stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
58	00	Summit of high bluff S.S. & N.E.
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Secs. 34 and 35 Land hilly. Soil Sand 3rd rate

South Boundary of Township 21 N, Range 20 W. 6th P. M.

Chains	Lks	
		West on South Side Section 34
		on true line
		Va. 13° 7' E.
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Secs. 33 and 34
		Land rolling
		Soil Sandy, 2nd rate

South Boundary of Township 21 N, Range 20 W. 6th P. M.

Chains	Lks	
		West on South Side Sec. 33
		Outline line
		Variation 13° 8' E.
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
65	00	Cedar Canyon descends N.W.
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Secs 32 and 33
		Land hilly
		Soil 2nd rate

South Boundary of Township 21 N. Range 20 W. 6th P.M.

Chains	Lks	West along South Line Sec. 32 on true line Variation 13° 8' E.
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Secs 31 and 32
		Land rolling Land hills Soil 3rd rate

South Boundary of Township 21 N. Range 20 W. 6th P.M.

Chains	Lks	West along South Side Section 31 on true line Variation 13° 8' E.
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Townships 21 North of Ranges 20 and 21 W. also to Sections 31, 36
		Land Sand hills Soil 3rd rate

South Boundary of Township 21 N. Range 21 W. 6th P.M.

Chains	Lks.	
		West along South Side Sec. 36 on true line Variation 13° 8' E.
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Secs. 35 and 36. Land hilly - Soil 2nd rate

South Boundary Township 21 N. Range 21 W. 6th Principal Mer.

Chains	Lks.	
		West along South Side of Sec. 25, on true line Variation 13° 8' E
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
60	00	Top of Marl bluff bears N. and S.
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Sec 24 and 25 in Ravine descends N. E. Land hilly Soil 2nd rate.

South Boundary of Township 21 N, Range 21 W. 6th P.M.

Chains	Lks	
		West along South Side Sec 34 on true line Variation 13° 10' E,
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sec Cor, at head of ravine descending S.W,
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Secs. 33 and 34 Land hilly - Soil 2nd rate

South Boundary of Township 21 N, Range 21 W. 6th P.M.

Chains	Lks	
		West along South Side Secs 33 on true line Va. 13° 10' E.
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sec Cor,
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a Corner to Secs. 32 and 33 Land low Sand hills Soil 3rd rate

South Boundary of Township 21 N. Range 21 W. 6th Prin Mer

Chains	lks	
		West along South Line Sec. 32 on true line Variation 13° 10' E.
26	00	Intersect North and left bank of Loupe river runs S. 30° E. Set post deposit charred Stake raised mound of earth with pits as per instructions for a meander corner I measure with the chain across the river and find its width on the line to be 12, 40 chains and at
38	40	Set post deposit charred Stake raised mound of earth with pits as per instructions for a meander corner on the South and left (Right) bank of the river.
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sec. cor.
50	00	Ascend bluffs bearing N.W. & S.E.
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Secs. 31 and 32 Land Sand hills except a narrow Strip on river. Soil 3rd rate

South Boundary of Township 21 N. Range 21 W. 6th P. M.

Chains	lks	
		West along South Side Section 31, on true line Variation 13° 10' E.
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Township 21 N. Range 21 & 22 W. also to Secs. 31 and 36 Land Sand hills - Soil 3rd rate

South Boundary of Township 21 N. Range 22 West 6th Prin. Mer.

Chains	Lks	
		West along South Line Sec. 36 on true line Variation 13° 15' E.
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Secs. 35 and 36 Land Sand hills Soil 3rd rate

July 12th 1872
Tested measuring chains with Standard and found it correct

South Boundary of Township 21 N. Range 22 W. 6th P. M.

Chains	Lks	
		West along South Side Sec. 35 on true line Variation 13° 15' E.
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Secs 34 and 35 Land Sand hills Soil 3rd rate

South Boundary of Township 21 N. Rang 22 W. 6th Prin. Mer.

Chains	Lks	
		West along South Side Sec 3 4 on true line Variation 13° 15' E
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
50	00	Large trail N. 15° E.
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to 33 and 34
		Land Sand hills
		Soil 3rd rate.

South Boundary of Township 21 N. Range 22 W. 6th P. M.

Chains	Lks	
		West along South boundary of Sec. 33 on true line Var. 13° 15' E.
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Secs 32 and 33
		Land Sand hills
		Soil 3rd rate.

South Boundary of Township 21 N. Range 22 6th Prin. Mer.

Chains	Lks	
		West along South Side Sec. 32 on true line. Variation 18° 18' E.
40	00	Set post deposit charred stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
80	00	Set post deposit charred stake raised mound of earth with pits as per instructions for a corner to Secs 31 and 32
		Land Sand hills
		Soil 3rd rate

South Boundary of Township 21 N. Range 22 W. 6th Prin. Mer.

Chains	Lks	
		West along South boundary of Sec 31 on true line Var. 18° 17' E.
40	00	Set post deposit charred stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
80	00	Set post deposit charred stake raised mound of earth with pits as per instructions for a corner to Townships 21 N. Ranges 22 and 23 Walsh Secs. 31 and 36
		Land Sand hills
		Soil 3rd rate.

South Boundary of Township 21 N. Range 23 W. 6th P.M.

Chains	lks	West along South boundary of Sec 36. on true line Variation 13° 18' E.
40	00	Set post deposit charred stake raised mound of earth with pits as per instructions for a 1/4 Sec Cor.
80	00	Set post deposit charred stake raised mound of earth with pits as per instructions for a corner to Secs. 35 and 36
		Land ~~Sand~~ hills
		Soil 3rd rate

South Boundary of Township 21 N. Range 23 W. 6th P.M.

Chains	lks	West along South boundary of Section 35 on true line Va. 13° 20' E.
40	00	Set post deposit charred stake raised mound of earth with pits as per instructions for a 1/4 Sec Cor.
80	00	Set post deposit deposit charred stake raised mound of earth with pits as per instructions for a corner to Secs. 34 and 35
		Land Sand hills — Soil 3rd rate

South Boundary of Township 21 North Range 23 W 6th P.M.

Chains	Lks	
		West along South boundary of Sec. 34 on true line Va. 13° 20' E
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Secs 33 and 34
		Land Sand hills
		Soil 3rd rate

South Boundary of Township 21 N. Range 23 W 6th P.M.

Chains	Lks	
		West along South boundary of Secs 3 on true line Variation 13° 20' W.
10	00	Creek 5 links wide meandered
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Secs 32 and 33
		Land Sand hills
		Soil 3rd rate.

South Boundary of Township 21 N, Range 23 W, 6th P.M.

Chains	Lks	
		West along South boundary of Sec. 32 on true line. Variation 13° 20' E
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Secs 31 and 32
		Land Land hills
		Soil Sandy

South Boundary of Township 21 N, Range 23 W, 6th P.M.

Chains	Lks	
		West along South boundary of Sec. 31 on true line. Variation 13° 20' E.
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Townships 21 N, Ranges 23 and 24 W. Secs. 31 & 36.
		Land Land hills
		Soil Sandy

South Boundary of Township 24 N. Range 24 W. 6th P.M.

Chains	lks	West along South Side Sec. 36 on true line Var. 13° 23' E.
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Secs. 35 and 36

Land Land hills
Soil Sandstone

South Boundary of Township 24 N. Range 24 W. 6th Prin. Mer.

Chains	lks	West along South Side Sec. 35 on true line Variation 13° 24' E.
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Secs. 34 and 35

Land Land hills
Soil Sandstone

South Boundary of Township 21 N. Range 24 W. 6th P.M.

Chains	Lks	
		West along South Boundary of Sec. 34 on true line Variation 18° 24' E
40	00	Set post deposit charred stake raised mound of earth with pits as per instructions for a 1/4 Sec Cor.
80	00	Set post deposit charred stake raised mound of earth with pits as per instructions for a corner to Secs. 33 and 34
		Land hilly
		Soil Land 3rd rate

July 13th 1872

South Boundary of Township 21 N. Range 24 W. 6th P.M.

Chains	Lks	
		West along South boundary of Sec. 33 on true line Variation 18° 24' E.
40	00	Set post deposit charred stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
80	00	Set post deposit charred stake raised mound of earth with pits as per instructions for a corner to Secs. 32 and 33
		Land Land hills
		Soil 3rd rate

South Boundary Township 21 N. Range 24 W. 6th P. M.

Chains	lks	
		West along South Side Sec. 32 on true line Variation 13° 25' E.
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Secs. 31 and 32
		Land Land hills.
		Soil 3rd rate

South Boundary of Township 21 N. Range 24 W. 6th P. M.

Chains	lks	
		West along the South Side Sec. 31 on true line Variation 13° 25' E.
20.	42	The closing corner to Township 20 N. Ranges 24 and 25 W.
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for 5th initial point for a 3rd Land Meridian [illegible] corner to Townships 21 N. Ranges 24 and 25 W. also to Secs 31 and 36
		Land Land hills
		Soil 3rd rate
		July 14th 1872

General Description

This line from the east end is 120 chains in the valley of the middle Branch of Loupe river. The Soil is light Sand, gently rolling and not very productive. It then enters the hills, somewhat broken with ravines and canyons in which is to be found a little cedar timber.

The middle Branch of Loupe river crosses the line in Section 32 Range 21 West. It is 12.40 chs. wide rapid current with quicksand bottom. Its banks are low but do not overflow. 12 chains west of the river it enters the Sand hills which continue unbroken to the 3rd Guide Meridian. There is a very little timber along the Loupe - mostly Cottonwood with a little Elm and Box Elder.

List of Names

A list of the names of the individuals employed to assist in running, measuring, or marking the lines and corners described in the foregoing field notes of the 3rd Guide Meridian from 4th to the 5th Standard Parallel North and the 5th Standard Parallel North from the 2nd to the 3rd Guide Meridian West. North of the Base line and West of the 6th Prin. Mer. Showing the respective capacities in which they acted:

Charles Barotty	Axmenen or
B. B. Unthank	Moundmen
Walter Campbell	Flagman
Henry McBroom	chainman
William Edgar	chainman
Andrew Cowell	chainman
Corson Harris	chainman

(copy)

This follows page 167

J. B. Park deputy Surveyor, do solemnly swear that, in pursuance of a joint contract wherein J. B. Park and A. L. Campbell are joint contractors with E. E. Cunningham United States Surveyor General for the District of Nebraska and Iowa, bearing date the 10th day of ~~May~~ 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 (third Guide Meridian West from the 2d to the 5th Standard Parallel North and) the 6th Standard Parallel North from the ~~2nd~~ 3rd to the 3rd Guide Meridian West as are laid down in the foregoing field notes as having been surveyed under my direction; and 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.

J. B. Park
Deputy U. S. Surveyor

Subscribed by J. B. Park deputy United States Surveyor, and sworn to before me this 15th day of July 1872

O R Goodal
Notary Public

We hereby certify that we assisted I B Paul Deputy Surveyor in Surveying the 3rd Guide Meridian from the 4th to the 5th Standard Parallel N. and the 5th Standard Parallel from the 2nd. to the 3rd. Guide Meridian W. all North of the Base line, and West of the 6th Principal Meridian; and that said lines have been in all respects well and faithfully Surveyed, and the boundary monuments planted according to instructions furnished by the Surveyor General

Charles Baróthy	Axemen or
B. B. Nuthank	Mondmen
Walter Campbell	Flagman
Henry M Broom	chainman
William Edgar	chainman
Andrew Cowell	chainman
C Herris	chainman

Subscribed in my presence and Sworn to before me this 15th day of July A D 1872

O. R. Goodale
Notary Public in and for
Lincoln County Nebraska

Omit

Surveyor Generals Office
Hattsmouth Sept 11th 1872

The foregoing field Notes of the Survey and Establishment of 3d Guide Meridian West from 4th to 5th Standard Parallel North the 5th Standard Parallel North from 2d to 3d Guide Meridian West all North of Base Line and West of 6th Principal Meridian in Nebraska Executed by J. B. Park under Joint Contract 53. Dated May 10th 1872. wherein J. B. Park and H. C. Campbell are Joint Contractors in the month of July 1872. having been Critically Examined the necessary Corrections and Explanations, Made the said field Notes and Surveys they describe are hereby approved

Red (No signature)

Surveyor General

500.	4	2.00
200	.4	.80
325	4	1.30
		2.10

Ex. S.

T B

Field Notes
of
The 5th Standard Parallel North of the Base line from 3rd to 4th Guide Mer. West
Nebraska
Executed by J B Park deputy Surveyor under their joint contract number 53 dated May 10th 1872 Wherein J B Park and H. C. Campbell are joint contractors with E E Cunningham Surveyor General for the District of Iowa and Nebraska

Survey

Commenced	July	15th	1872
Completed	"	25th	1872

List of Names of Assistants
Showing the capacities in
which they respectively acc

C D Wightman	Chainman
Walter Campbell.	Chainman
B P Nuttall	Chainman
A Lowell	Chainman
H. McBroom	Agency or
Chas. Barothy	Mountaineer
H E Huntington	Flagman

Fifth
~~Sixth~~ Standard Parallel N. from 2nd to 3rd Guide Mer. W.

Chains	Lks	
		I begin at the post the established corner to Townships 20 N. Ranges 32 and 33 W. on the 5th Standard Parallel N. and run West for temporary convergency of the 4th Guide Mer. West
		Variation 13° 24' E.
71	42	Set post for temporary corner to Sections 31 and 36 also to Townships 21 N. Ranges 32 and 33 W. from which temporary corner I run East on a random line along the Sixth Standard Parallel North. Setting temporary corners at each half mile and mile respectively and at 48 miles 3 chains and 20 links intersected the 3rd Guide Mer. W. at 224 links North of the post the established corner to Townships 21 N. Ranges 24 and 25 W. The connection will therefore be 4 2/3 links ~~per mile~~ S. and 3,29 Ms. East per mile and the true course to retrace the parallel N. 89° 58' W.

Random line run the 15. 16. 17. 18. 19 days of July 1872

Fifth Standard Parallel North from 3rd to 4th Guide Meridian West
South Boundary of Township 21 North Range 25 W.

chains lks N. 89° 58' W. on true line along the South Boundary of Section 36
Variation 13° 24' E.

40 00 Set post deposit charred stake raised mound of earth, with pits as per instructions for a 1/4 Section corner

80 00 Set post deposit charred stake raised mound of earth with pits as per instructions for a corner to Sections 35 and 36
Land hilly
Soil Sand and Marl 3rd rate
July 20th 1872

Fifth Standard Parallel North from 3rd to 4th Guide Mer. W.
South Boundary of Township 21 N. Range 25 W.

chains lks N. 89° 58' W. on true line along South Side of Section 35.
Variation 13° 24' E

40 00 Set post deposit charred stake raised mound of earth with pits as per instructions for a 1/4 Section corner

80 00 Set post deposit charred stake raised mound of earth with pits as per instructions for a corner to Secs 34 and 35
Land hilly
Soil Sand and Marl

Fifth Standard Parallel N. from 3rd to 4th Guide Mer. W.
South Boundary of Township 21 N. Range 25 W.

Chains	Lks	
		N. 89°58' W. on true line along South Side Section 34
		Variation 13°20' E
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Sections 33 and 34
		Land Land hills
		Soil 3rd rate

Fifth Standard Parallel N. from 3rd to 4th Guide Mer. W.
South Boundary of Township 21 N. Rang 25 W.

Chains	Lks	
		N. 89°58' W. on true line along South Side Section 33
		Variation 13°20' E
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sec Cor.
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Sections 32 and 33
		Land Land hills
		Soil 3rd rate

Fifth Standard Parallel N. from 3rd to 4th Guide Mer. W.
South Boundary of Township 21 N. Range 25 W.

Chains | Links | N. 89° 58' W. on true line along the South Side of Section 32
Variation 13° 20' E.
40 00 Set post deposit charred stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor
80 00 Set deposit charred stake raised mound of earth with pits as per instructions for a corner to Sections 31 and 32
Land Sand hills
Soil Sand rate

Fifth Standard Parallel North from 3rd to 4th Guide Mer. W.
South Boundary of Township 21 N. Range 25 W.

Chains | Links | N. 89° 58' W. on true line along South Side of Section 31
Variation 13° 20' E.
40 00 Set post deposit charred stake raised mound of earth with pits as per instructions for a 1/4 Section Corner
80 00 Set post deposit charred stake raised mound of earth with pits as per instructions for a Corner to Townships 21 N. Ranges 24 and 25 W. also to Secs. 31 and 36
Land rolling
Soil Sandy Sand rate

Thence through Range 26 West

Fifth Standard Parallel North from 2 to 4th Guide Mer. W.
South Side of Township 21 N. Range 26 W.

Chains	Lks	
		N. 89° 58' W. on true line along South Side Sec. 36
		Variation 13° 24' E.
10	00	Enter valley descends S. W.
20	00	Dry Creek bed runs S. W.
24	00	Dry bed of Same Creek S. E.
26	00	Dry bed of Same Creek runs S. W.
40	00	Set post deposit charred stake raised mound of earth with pits as per instructions for a 1/4 Section Corner
80	00	Set post deposit charred stake raised mound of earth with pits as per instructions for a corner to Sections 35 and 36
		Land Sandy valley
		Soil 3rd rate

Fifth Standard Parallel N. from 2 to 4 Guide Mer. W.

Chains	Lks	
		N. 89° 58' W. on true line along South boundary of Section 35
		Variation 13° 25' E.
40	00	Set post deposit charred stake raised mound of earth with pits as per instructions for a 1/4 Section Corner
80	00	Set post deposit charred stake raised mound of earth with pits as per instructions for a corner to Sections 34 and 35 at edge of Same hills
		Land Sandy Knolls
		Soil 3rd rate

Fifth Standard Parallel N. from 3rd to 4th Guide Mer. W.
South Boundary of Township 21 N. Range 26 W.

Chains Lks N. 89° 58' W. on South Boundary of Section 34
Variation 13° 25' E.

40 00 Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sector.

80 00 Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Sections 33, and 34
Land Sand hills
Soil 3rd rate

Fifth Standard Parallel North from 3rd to 4th Guide Mer. W.
South Boundary of Township 21 N. Range 26 W.

Chains Lks N. 89° 58' W. on true line along South Side Section 33
Variation 13° 25' E.

40 00 Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sector.

80 00 Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Sections 32 and 33
Land Sand hills
Soil 3rd rate

July 21st. 1872

Tested chains with Standard found them pinching

Fifth Standard Parallel North from 3rd to 4th Guide Mer.
South Boundary of Township 21 N. Range 26 W.

Chains Lks. W. 89°58' W. on true line along South boundary of Section 32
Variation 13° 25' E.

40 00 Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sector.

60 00 Creek Trail bears N. W.

80 00 Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Sections 31 and 32
Land Land hills
Soil 3rd rate

Fifth Standard Parallel North from 3rd to 4th Guide Mer. W.
South Boundary of Township 21 N. Range 26 W.

Chains Lks. N. 89°58' W. on true line ~~but South~~ Line Sections 31
Variation 13° 25' E.

40 00 Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Section corner

80 00 Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Sections 31 and 36 also to Townships 21 N. Ranges 26 and 27
Land Land hills
Soil 3rd rate

Fifth Standard Parallel North, from 3rd to 4th Guide Mer. W.
South Boundary of Township 21 N, Range 27 W.

Chains lks N. 89° 58' W. on true line along South Side
Sections 36
Variation 13° 25' E.

40 00 Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.

80 00 Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Secs. 35 and 36
Land Sand hills
Soil 3rd rate

Fifth Standard Parallel North from 3rd to 4th Guide Mer. W.
South Boundary of Township 25 N, Range 27 W.

Chains lks N. 89° 58' W. on true line along South Side Section 35
Variation 13° 25' E.

40 00 Set deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Section Corner

80 00 Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Sections 34 and 35
Land Sand hills
Soil 3rd rate

Fifth Standard Parallel North from 3rd to 4th Guide Mer. W.
South Side Township 21 N. Range 27 W.

Chains	Lks.	
		N. 89° 58' W. on true line along South Side Section 34 Variation 13° 25' E.
40	00	Set post deposit charred stake raised mound of earth with pits as per instructions for a 1/4 Section Corner.
80	00	Set post deposit charred stake raised mound of earth with pits as per instructions for a corner to Sections 33 and 34 Land Sand hills Soil Sandy

Fifth Standard Parallel North from 3rd to 4th Guide Mer. W.
South Boundary of Township 21 N. Range 27 W.

Chains	Lks.	
		N. 89° 58' W. on true line along South boundary of Section 33 Variation 13° 25' E.
40	00	Set post deposit charred stake raised mound of earth with pits as per instructions for a 1/4 Section corner.
80	00	Set post deposit charred stake raised mound of earth with pits as per instructions for a corner to Sections 32 and 33 Land Sand hills Soil Sandy

Fifth Standard Parallel North from 3rd to 4th Guide Mer. W.
South Boundary of Township 21 N. Range 27 W.

Chains	Lks	
		N. 89° 58' W. on true line South Side Section 32
		Variation 13° 25' E.
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Section Corner
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Sections 31 and 32
		Land Sand hills
		Soil 3rd rate

Fifth Standard Parallel N. from 3rd to 4th Guide Mer. W.
South Boundary of Township 21 N. Range 27 W.

Chains	Lks	
		N. 89° 58' W. on true line along South Boundary of Section 31
		Variation 13° 25' E.
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Sections 31 and 36 also corner to Townships 21 N. Ranges 27 and 28 W.
		Land Sand hills
		Soil 3rd rate

July 22nd 1872

Fifth Standard Parallel North from 3 to 4th Guide Mer. W.
South boundary of Township 21 N. Range 28 W.

chains lks N. 89° 58' W. on true line along South
Side Section 36
Variation 13° 25' E.

40 00 Set post deposit charred
Stake raised mound of earth
with pits as per instructions
for a 1/4 Section corner

80 00 Set post deposit charred
Stake raised mound of
earth with pits as per
instructions for a corner to
Sections 35 and 36

Land hills very sandy
Soil 3rd rate

Fifth Standard Parallel North from 3 to 4 Guide Mer. W.
South Boundary of Township 21 N. Range 28 W.

chains lks N. 89° 58' W. on true line along
South Side Section 35
Variation 13° 25' E.

40 00 Set post deposit charred
Stake raised mound of earth
with pits as per instructions
for a 1/4 Section Corner

80 00 Set post deposit charred
Stake raised mound of earth
with pits as per instructions
for a corner to Sections
34 and 35

Land Sand hills
Soil 3rd rate

Fifth ~~Standard~~ Parallel North from 3rd to 4th Guide Mer.
South Boundary of Township 21 N. Range 28 W.

Chains | Lks | N. 89° 58' W. on true line along South Side Section 34
Variation 13° 25' E.

40 00 Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Section Corner.

80 00 Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Sections 33 and 34

Land Sand hills
Soil 3rd rate

Fifth Standard Parallel N. from 3rd to 4th Guide Mer. W.
South Boundary of Township 21 N. Range 28 W.

Chains | Lks | N. 89° 58' W. on true line along South Boundary of Section 33
Variation 13° 25' E.

40 00 Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Section Corner

80 00 Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Sections 32 and 33

Land Sand hills
Soil 3rd rate

Jobs

Fifth Standard Parallel North from 3rd to 4 Guide Mer
South Boundary of Township 21 N. R 28 W

Chains	lks	
		N. 89° 58' W. on true line along the South Side of Section 32
		Variation 13° 20' E.
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Section Corner
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Sections 31 and 32
		Land Sand hills
		Soil 3 rd rate

Fifth Standard Parallel North from 3rd to 4th Guide Mer. W.
South Boundary of Township 21 N. Range 28 W.

Chains	lks	
		N. 89° 58' W. on true line along South Side of Section 31
		Variation 13° 20' E.
40	00	Set post deposit chains Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Sections 31 and 36, also Townships 21 N. Ranges 28 and 29 W.
		Land Sand hills
		Soil 3 rd rate

Fifth Standard Parallel North from 3rd to 4th Guide Mer. W.
South Boundary of Township 21 N. Range 29 W.

Chains	lks	
		N. 89° 58' W. on true line along South boundary of Section 36
		Variation 13° 20' E.
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Sections 35 and 36
		Land Sand hills
		Soil 3rd rate rate

Fifth Standard Parallel North from 3rd to 4th Guide Mer. W.
South Boundary of Township 21 N. Range 29 W.

Chains	lks	
		N. 89° 58' W. on true line along South Side Section 35
		Variation. 13° 20' E.
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Sections 34 and 35
		Land Sand hills
		Soil 3rd rate

July 23rd 1872

Fifth Standard Parallel North from 3rd to 4th Guide Mer. W.
South Boundary of Township 21 N. Range 29 W.

Chains lks. N. 89° 58' W. on true line along South boundary of Section 34
Variation 13° 20' E.

40 00 Set deposit charred stake raised mound of earth with pits as per instructions for a 1/4 Section Corner

80 00 Set post deposit charred stake raised mound of earth with pits as per instructions for a corner to Sections 33 and 34

Land Sand hills
Soil Second rate

Fifth Standard Parallel North from 3rd to 4th Guide Mer. W.
South Boundary of Township 21 North Range 29 W.

Chains lks. N. 89° 58' W. on true line along the South Side of Section 33
Variation 13° 20' E.

40 00 Set post deposit charred stake raised mound of earth with pits as per instructions for a 1/4 Section Corner

80 00 Set post deposit charred stake raised mound of earth with pits as per instructions for a corner to Sections 32 and 33

Land Sand hills
Soil Second rate

Fifth Standard Parallel North from 3rd to 4th Guide Mer. W.
South Boundary of Township 21 N. Range 29 W.

Chains	Lks	
		N. 89° 58' W. on true line along ~~South~~ Side Section 32
		Variation 13° 22' E.
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Sections 31 and 32
		Land Sand hills
		Soil 3rd rate

Fifth Standard Parallel North from 3 to 4th Guide Mer. W.
South Boundary of Township 21 N. Range 29 W.

Chains	Lks	
		N. 89° 58' W. on true line along South boundary of Section 31
		Variation 13° 22' E.
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Secs. ~~30~~ 31 and 36 also to Sec. 21 N. Rs. 29 and 30 W.
		Land Land hills
		Soil 3rd rate

Fifth Standard Parallel North from 3rd to 4th Guide Mer. W.
South Boundary of Township 21 N. Range 30 W.

chains	lks	
		N. 89° 58' W. on true line along South Side of Section 36
		Variation 13° 22' E.
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Sections 35 and 36
		Land Land hills
		Soil 3rd rate

Fifth Standard Parallel North from 3 to 4 Guide Mer. W.
South Boundary of Township 21 N. of Range 30 W.

chains	lks	
		N. 89° 58' W. on true line along the South boundary of Section 35
		Variation 13° 22' E.
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Section Corner.
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Sections 34 and 35
		Land Land hills
		Soil 3rd rate

Fifth Standard Parallel North from 3 to 4 Guide Mer. W.
South boundary of Township 21 N. Range 30 W.

Chains Lks. N. 89° 58' W. on true line along South Line of Section 34
Variation 13° 22' E.

40 00 Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sec Cor

80 00 Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Sections 33 and 34
Land Sand hills
Soil 3rd rate

Fifth Standard Parallel N. from 3 to 4 Guide Mer. W.
South Boundary of Township 21 N. Range 30 W.

Chains Lks. N. 89° 58' W. on true line along South boundary of Section 33
Variation 13° 22' E.

40 00 Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Section Corner

80 00 Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Sections 32 and 33
Land Sand hills
Soil 3rd rate

Fifth Standard Parallel North from 3rd to 4th Guide Mer. W.
South Boundary of Township 21 N. Range 30 W.

Chains	Lks	
		N. 89°58' W. on true line along South Side Section 32
		Variation 13° 22' E.
40	00	Set post deposit charred stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
80	00	Set post deposit charred stake raised mound of earth with pits as per instructions for a corner to Sections 31 and 32
		Land Sand hills
		Soil 3rd rate

Fifth Standard Parallel North from 3rd to 4th Guide Mer. W.
South Boundary of Township 21 North Range 30 W.

Chains	Lks	
		N. 89°58' W. on true line along South Side Section 31
		Variation 13° 22' W.
40	00	Set post deposit charred stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
80	00	Set post deposit charred stake raised mound of earth with pits as per instructions for a corner to Townships 21 North Ranges 30 and 31 W. also Secs. 31 and 35
		Land Sand hills
		Soil 3rd rate

Fifth Standard Parallel North from 3 to 4 Guide Mer. W.
South Boundary of Township 21 N. Range 31 W.

Chains	Lks	
		N. 89° ~~52'~~ 58' W. on true line along South boundary of Section 36 ~~on true~~ Variation 13° 22' E.
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
80	00	Set post deposit charred Stake raised mound of earth pits as per instructions for a corner to Sections 35 and 36
		Land Sand hills
		Soil 3rd rate

Fifth Standard Parallel North from 3rd to 4th Guide Mer. W.
South Boundary of Township 21 N. Range 31 W.

Chains	Lks	
		S. 89° 58' W. on true line along South Boundary of Section 35 Variation 13° 22' E.
40	00	Set post deposit chake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
80	00	Set post deposit chard stake raised mound of earth with pits as per instructions for a corner to Sections 34 and 35
		Land hilly and Sandy
		Soil 3rd rate

July ~~2~~ 4th 1872

Fifth Standard Parallel North from 3 to 4 Guide Mer. W.
South Boundary of Township 21 N. Range 31 W.

Chains Lks. N. 89° 58' W. on true line along
South boundary of Section 34
Variation 13° 22' E.

40 00 Set post deposit charred
Stake raised mound of earth
with pits as per instructions
for a 1/4 Sec. Cor.

80 00 Set post deposit charred
Stake raised mound of earth
with pits as per instructions
for a corner to Sections
33 and 34
Land Hills of Sand
Soil 3rd rate

Fifth Standard Parallel N. from 3 to 4 Guide Mer. W.
South Boundary of Township 21 N. Range 31 W.

Chains Lks N. 89° 58' W. on true line along
South Line Section 33
Variation 13° 22' E.

40 00 Set post deposit charred Stake
raised mound of earth with pits
as per instructions for a 1/4
Section Corner.

80 00 Set post deposit charred
Stake raised Mound of earth
with pits as per instructions for
a corner to Sections 32 and 33
Land Sand hills
Soil 3rd rate

Fifth Standard Parallel North from 3rd to 4th Guide Mer. W.
South Boundary of Township 21 N. Range 31 W.

Chains Lks. N. 89°58' W. on true line along South Side Section 32
Variation 13° 24' E.

40 00 Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.

80 00 Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Sections 31 and 32

Land Sand hills
Soil Good rate

Fifth Standard Parallel North from 3rd to 4th Guide Mer. W.
South Boundary of Township 21 N. Rang 31 W.

Chains Lks. S. 89°58' W. on true line along South Side Section 31
Variation 13° 24' E.

40 00 Set post deposit charred Stake raised mound of earth with pits as per as per instructions for a 1/4 Section Corner

80 00 Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Sections 31 and 36 also to Townships 21 N. Ranges 31 and 32

Land Sand hills
Soil Good rate

Fifth Standard Parallel North from 3 to 4 Guide Mer. W.
South Boundary of Township 21 N. Range 32 W.

Chains	Lks	
		W. 89° 58' W. on true line along South Side Section 36 Variation 13° 24' E.
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Section corner
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Sections 35 and 36 Land Sand hills Soil 3 rd rate

Fifth Standard Parallel North from 3 to 4 Guide Mer. W.
South Boundary of Township 21 N. Range 32 W.

Chains	Lks	
		W. 89° 58' W. on true line along South Side Section 35 Variation 13° 24' E.
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Section Corner
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Sections 34 and 35 Land Land hills Soil 3 rd rate

Fifth Standard Parallel North from 3 mile to 4th Guide Mer. W.
South Boundary of Township 21 N. Rang 32 W.

Chains	Lks	
		N. 89°58' W. on true line along South Side Section 34
		Variation 13° 24' E.
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Section corner
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Sections 33 and 34
		Land Land hills
		Soil Sandy

Fifth Standard Parallel North from 3 to 4 Guide Mer. W.
South Boundary of Township 21 N. Range 32 W.

Chains	Lks	
		N. 89°58' W. along South Boundary of Section 33
		Variation 13° 24' E
40	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a 1/4 Sec. Cor.
80	00	Set post deposit charred Stake raised mound of earth with pits as per instructions for a corner to Sections 32 and 33
		Land Land hills
		Soil Sandy

Fifth Standard Parallel North from 3rd to 4th Guide Meridian
South Boundary of Township 21 N. Range 32 W

Shaw the N. 89° 58' W. true line along South
boundary of Section 32
Variation 13° 24' E.

40 00 Set post deposit charred Stake
raised mound of earth with pits
as per instructions for a 1/4
Sec. Cor.

80 00 Set post deposit charred Stake
raised mound of earth with pits
as per instructions for a corner
to Sections 31, 32
Land Sand hills
Soil 3rd rate

Fifth Standard Parallel North from 3 to 4 Guide Mer. W.
South Boundary of Township 21 North Range 32 W

Shaw the N. 89° 58' W. true line along
South Bounary of Section 31
Variation 13° 24' E.

40 00 Set post deposit charred Stake
raised mound of earth with pits
as per instructions for a 1/4 Sec. Cor.

~~68 22~~ 11 18 Closing Cor. to Tps. 20 N. Ranges 32 and 33 W.

80 00 Set post deposit charred
Stake raised mound of earth with
pits as per instructions for a
corner to Sections 31 and 36 also to
Townships 21 N. Ranges 32 and 33 W.
Soil Land and alkali 3rd rate
Land Sand hills. July 25 1872

General Description

This line runs the entire distance through Land hills. There is but little or no difference in the character of the country. The Soil is mostly light sand, covered with a thin growth of tall grass. There is no timber and no water on the line and from indications wells would have to be sunk to a great depth to obtain water. It is not fit for settlement or cultivation

List of Names

~~The following is~~ a list of the names of individuals employed to assist J B Park deputy Surveyor in running measuring, or marking the lines and corners described in the foregoing field notes of the 5th Standard Parallel North of the Base line from the 3rd to the 4th Guide Meridian West. Showing the respective capacities in which they acted:

C D Wightman	Chainman
Walter Campbell	Chainman
B B Nuttank	Chainman
A Cowell	Chainman
H McBroom	Axemen or
Chas Barothy	Monderson
A E Huntington	Flagman

I. J. B. Park deputy Surveyor do Solemnly Swear that in pursuance of a joint contract, wherein J B Park and H Campbell are joint contractors with E. E. Cunningham Surveyor General of the United States for the District of Nebraska and Iowa bearing date the 10th day of May 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 Standard Parallel North from the 3rd to 4th Guide Meridian West as are represented in the foregoing field notes as having been Surveyed under my direction and I do further Swear that all the corners of Said Surveys have been established and perpetuated in strict accordance with the Surveying Manual and the printed instructions, and that the foregoing are the true and original field notes of such Survey

J. B. Park Deputy Surveyor

State of Nebraska
Lincoln County ss. Sworn to before me and Subscribed in my presence this 16th day of August 1872.

James Belton
Clerk of the District Court
for Lincoln County State of Nebraska

We hereby certify that we assisted J. B. Park Deputy Surveyor in Surveying the ~~Sixth~~ Fifth Standard Parallel North from the Second to the third Guide Meridian West and that Said Survey has been in all respects to the best of our Knowledge and belief well and truly and faithfully executed and the boundary monuments planted according to instructions furnished by the Surveyor General

C. J. Wightman	Chainman
Walter Campbell	Chainman
B. B. Huthaulty	Chainman
A. Cowell	Chainman
H. J. McBroom	Axemen or
Ch. Dorothy	Moundmen
A. E. Huntington	Flagman

State of Nebraska
Lincoln County } ss.

Subscribed and Sworn to before me this 16th day of August 1872

James Belton
Clerk of the District
Court for Lincoln County
State of Nebraska

Surveyor Generals Office
Plattsmouth Nebraska

January 15th 1872

The foregoing field notes of the Survey of the Fifth Standard Parallel North, from the 3rd to the 4th Guide Meridian West. In the State of Nebraska. Executed by J. B. Park, under joint Contract No 53 dated May 10th 1872 Wherein J. B. Park, and H C Campbell are joint Contractors. in the month of July 1872 having been critically examined the necessary corrections made the said Field notes and the Surveys they describe are hereby approved

E. E. Cunningham
Surveyor General

Exd. S.
Plat S.S.
T.B.
Jan 30/73

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

Executed by
Enos F. Gray Deputy Surveyor, under joint Contract No. 65, Wherein Enos F. Gray and John N. Hays are joint Contractors bearing date July 11th 1872

Survey –
Commenced August 17th 1872
Completed August 26 1872

List of Names

a list of the names and duties of assistants

Geo. B. Pain
N. B. Moreland
Carson Harris
Arthur L. Stahl
} Chainmen

Casper Young
Frank P. Barks
} axmen

J. H. Bowman } Flagman

Fifth Standard Parallel North
Between the 4th and 5th Guide Meridian W. 6th P.M.

Chains

Begin at the established closing corner to township 20 North ranges 40 and 41 West, I run, West, for temporary convergency of the 5th Guide Meridian West, on the 5th Standard Parallel North,

Variation by Gurley's improved solar compass 15° 00' East

102,08 Set a post, for temporary Standard corner to township 21 North ranges 40 and 41 West—

From which temporary Standard Corner to township 21 North, ranges 40 and 41 West, I run East random, on the 5th Standard Parallel North, along the South boundary of township 21 N. in ranges 40, 39, 38, 37, 36, 35, 34 and 33, West,

Beginning with a variation of 15° 00 East and ending at the eastern extremity of this line, with a variation of 14° 30 East the decrease, going east being nearly uniform

Fifth Standard Parallel North
Between the 4th and 5th Guide Meridian W. 6th P.M.

I set temporary half mile and mile posts at every 40 and 80 chains; and at 48 miles 2 chains 15 links, to a point 4 chains and eighty links North of the established standard corner to township 21 North, ranges 32 and 33 West, (The post and mound standing) Therefore my correction will be 2 chains and 15 links east, and 10 links South per mile, and my true course will be North 89° 56' West nearly August 17th 19th 20th and 21st 1872

Fifth Standard Parallel North

South boundary of Township 21 N. Range 33 W.

Chains	
	From the Standard corner to township 21 North ranges 32 and 33 West - 6th P. M. I run, North 89° 56' West - on true line, along the South boundary of Section 36
	Va. 14° 30' 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, deposited a pint of charcoal, and raised a mound, with pits, as per instructions, for corner to Sections 35 and 36 Land level, Soil 2d rate, fit for cultivation, produces good prarie grass,
	North 89° 56' West; on true line, along the South boundary of Section 35
	Va. 14° 30' East
40,00	Set a post, deposited a pint of char Coal

Fifth Standard Parallel North

South boundary of Township 21 N. Range 33 W. 6th P.M.

	and raised a mound, with pits, as per instructions, for 1/4 Sec. cor,
80,00	Set a post, deposit a pint of char Coal, and raised a mound, with pits, as per instructions, for corner to Sections 34 and 35 Land level, Soil 2d rate, fit for cultivation and produces good prarie grasses
	North 89° 56' West; on true line, along the South boundary of Section 34
	Va 14° 30' 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, deposited a pint of char coal and raised a mound with pits, as per instructions, for corner to Sections 33 and 34 Land level, 2d rate, fit for cultivation and produces good prarie grasses

Fifth Standard Parallel North

South boundary of Township 21 North Range 33 W. 6th P.M.

Chains	
	North 89°56' West, on true line, along the South boundary of Section 33
	Va 14°30' 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, deposited a pint of char-coal and raised a mound, with pits as per instructions, for Corner to Sections 32 and 33
	Land level, or gently undulating soil 2d rate, fit for cultivation good prarie grasses

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	North 89°56' West, on true line, along the South boundary of Section 32
	Va 14°30' East
40,00	Set a post, deposit a pint of char coal and raised a mound, with pits, as per instructions for 1/4 Sec. Cor.

Fifth Standard Parallel North

South boundary of Township 21 N. Range 33 W. 6th P.M.

Chains	
80,00	Set a post, deposit a pint of charcoal and raised a mound, with pits, as per instructions, for Corner to Sections 31 and 32
	Land level or gently undulating, Soil 2d rate, fit for cultivation good prarie grasses

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	North 89°56' West, on true line, along the South boundary of Section 31
	Va 14°30' East
40,00	Set post, deposit a pint of char Coal and raised a mound, with pits, as per instructions, for 1/4 Sec Cor
80,00	Set a post, deposited a pint of char Coal and raised a mound, with pits, as per instruction for Corner to township 21 North ranges 33 and 34
	Land rolling, Soil sandy, 3d rate the vegetation is bunch grass and a little sage brush

Fifth Standard Parallel North

South boundary of Township 21 N. Range 34 W. 6th P.M.

Chains	
	From the corner to Township 21 North (on the 5th Standard Parallel North,) ranges 33 and 34 West. Run North 89°56' West, on true line, along the South boundary of Section 36
	Va 14° 30' 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, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for Corner to Sections 35 and 36
	Land rolling and very sandy, produces good bunch grass and but little of any other vegetation

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North 89°56' West, on true line along South boundary of Section 35

Va 14° 30' East

Fifth Standard Parallel North

South boundary of Township 21 N. Range 34 W. 6th P.M.

Chains	
40.00	Set a post, deposit a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 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 34 and 35
	Land rolling and very sandy, Soil 3rd rate, produces good bunch grass
	August 22 1877

North 89°56' West, on true line, along the South boundary of Section 34

Va 14° 36' 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 post, deposited a pint of charcoal and raised a mound, with

Chains	
	pits, as per instructions, for corner to Sections 33 and 34 Land rolling, 3rd rate soil, vegetation bunch grass and sage brush
	North 89°56' West, on true line, along the South boundary of Section 33
	Va, 14°35' East
39,00	Enter a basin like bottom bears North and South
40,00	Set a post, deposited a pint of Charcoal and raised a mound, with pits, as per instructions, for 1/4 Sec. Cor
70,00	Leave basin like bottom, bears N.E. and S.E.
80,00	Set a post, deposit a pint of Charcoal and raised a mound, with pits, as per instructions, for corner to Sections 32 and 33
	the bottom land notice is 1st rate

Chains	
	soil, produces rank grass and is dry enough for cultivation
	North 89°56' West, on true line, along the South boundary of Section 32
	Va 14°35' East
40,00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 Sec. Cor.
80,00	Set a post, deposit a pint of charcoal and raised a mound, with pits, as per instructions, for corner to Sections 31 and 32 Land rolling, soil 3rd rate bunch grass and sage brush
	North 89°56' West, on true line, along the South boundary of Section 31
	Va 14°35' East
40,00	Set a post, deposit a pint of charcoal

Fifth Standard Parallel North

South boundary of Township 21 N Range 34 W 6th P.M.

chains	
	and raised a mound, with pits, as per instructions for 1/4 Sec Corner
70,00	Leave rolling land and enter a basin like bottom, of about 320 acres, bears North and South
80,00	Set a post, deposit a pint of charcoal and raised a mound with pits, as per instructions, for corner to ~~township~~ 21 North, ranges 34 and 35 West —

Land very rolling, except the bottom noted, 3d rate soil, the bottom is mostly dry enough for cultivation and is of a deep rich soil and produces rank grass

Fifth Standard Parallel North

South boundary of Township 21 N, R. 35 W. 6th P.M.

chains	
	From the corner to township 21 North (on the 5th Standard Parallel N.) ranges 34 and 35 West 6th P.M. Drew, North 89°56' West, on true line, along the South boundary of Section 36 Va. 14.35 East
34,00	Leave bottom, bears S. 20° W. and N. 20° E. Enter rolling land
40,00	Set a post, deposit a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 Sec. Cor
80,00	Set a post, deposited a pint of charcoal and raised a mound, with pits as per instructions, per corner to Sections 35 and 36

Land, except the bottom, is very rolling and sandy, 3d rate soil, the bottom is good for agriculture

North 89°56' West; on true line,

Fifth Standard Parallel North

South boundary of Township 21 N. Range 35 W. 6th P.M.

Chains	
	along the South boundary of Section 35
	va. 14° 35' East
40.00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions for 1/4 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 34 and 35
	Land rolling soil 3d rate, good bunch grass

	North 89° 56' West, on true line, along the South boundary of Section 34
	va 14° 35' 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.

Fifth Standard Parallel North

South boundary of Township 21 N. Range 35 W. 6th P.M.

Chains	
80.00	Set a post, deposited a pint of char coal and raised a mound, with pits, as per instructions, for corner to Sections 33 and 34
	Land very rolling, 3d rate good bunch grass

	North 89° 56' West, on true line, along the South boundary of Section 33
	va 14° 35' East
40.00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 Sec. Cor.
80.00	Set a post, deposit a pint of char-coal and raised a mound, with pits, as per instructions, for corner to Sections 32 and 33
	Land very rolling, sandy soil, 3d rate, producing good

Fifth Standard Parallel North
South boundary of Township 21 N. Range 35 W. 6th P.M.

Chains	
	bunch grass and a little sage brush
	North 89° 56' West, on true line, along the South boundary of Section 32
	va 14° 39' East
40,00	Set a post, deposited a pint of chor coal and raised a mound, with pits, as per instructions, for 1/4 Sec Cor,
80,00	Set a post, deposited a pint of chor coal and raised a mound, with pits, as per instructions for Corner to Sections 31 and 32
	Land rolling, 3rd rate soil, producing good bunch grass and a little sage brush
	North 89° 56' West, on true line,

Fifth Standard Parallel North
South boundary of Township 21 N. Range 35 W. 6th P.M.

Chains	
	along the South boundary of Section 31
	va, 14° 39' East
40,00	Set a post, deposited a pint of chor coal and raised a mound, with pits, as per instructions, for 1/4 Sec Cor,
80,00	Set a post, deposited a pint of chor coal, and raised a mound, with pits, as per instructions, for Corner to township 21 North ranges 35 and 36 West of the 6th P. M.
	Land very rolling, soil 3rd rate and very sandy, produces good bunch grass, and a little sage brush
	August 23 1872

Fifth Standard Parallel North

South boundary of Township 21 N. Range 36 W. 6th P.M.

Chains	
	From the corner to town-ship 21 North, range 35 and 36 West, on the 5th Standard Parallel North, from North 89°56' West, on true line, along the South boundary of Section 36 Va 14°39' East
40.00	Set 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, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for corner to Sections 35 and 36 Land rolling and very sandy, Soil 3d rate, with good bunch grass and but little vegetation of any other kind

North 89°56' West, on true line, along the South boundary of

Fifth Standard Parallel North

South boundary of Township 21 N. Range 36 W. 6th P.M.

Chains	
	of Section 35 Va 14°39' East
15.00	Enter a bottom, about 1/2 mile wide and 3 miles long, with a small lake in the center, bears S 5° E and N 5 W.
36.00	Leave bottom, bears S 5° W. (The bottom is mostly south of the line) (The lake contains alkali and its water is not fit for use)
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, deposited a pint of charcoal and raised a mound, with pits as per instructions, for corner to Sections 34 and 35 Land rolling and 3d rate, except the bottom notes which produces good grass, is dry and fit for cultivation, 2d rate soil.

Fifth Standard Parallel North

South boundary of Township 71 N, Range 36 W, 6th P.M.

Chains	
	North 89°56' West, on true line, along the South boundary of Section 34
	va 14°45' 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, deposited a pint of char coal and raised a mound, with pits, as per instructions, for corner to Sections 33 and 34
	Land very rolling, soil sandy, 3rd rate, good bunch grass and a little sage brush

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	North 89°56' West, on true line, along the South boundary of Section 33
	va 14°45' East
40.00	set a post, deposited a pint

Fifth Standard Parallel North

South boundary of Township 71 N, Range 36 W, 6th P.M.

Chains	
	of char coal and raised a mound, with pits, as per instructions 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 32 and 33
	Land rolling, soil very sandy 3rd rate, producing good bunch grass and but very little other vegetation

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	North 89°56' West, on true line, along the South boundary of Section 32
	va 14°45' East
40.00	set a post, deposited a pint of charcoal and raised a mound, with pits as per instructions for 1/4 Sec. cor.
80.00	set a post, deposited a pint of charcoal and raised a mound

Fifth Standard Parallel North
South boundary of Township 21 N. Range 36 W. 6th P.M.

Chains	
	with pits, as per instructions, for corner to Sections 31 and 32. Land verry rolling, 3d rate soil, good bunch grass
	North 89°56' West, on true line, along the South boundary of Section 31
	Va 14°45' East
40,00	set post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 Sec. Cor,
80,00	set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for corner to Township 21 North ranges 36 and 37 West — Land rolling, soil 3d rate, vegete bunch grass and sage brush

Fifth Standard Parallel North
South boundary of Township 21 N. Range 37 W. 6th P.M.

Chains	
	From the corner to Township 21 North ranges 36 and 37 West, on 5th Standard Parallel North, 3rd North 89°56' West, on true line, along the South boundary of Section 36
	Va, 14°45' East
40,00	set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 Sec. Corner
80,00	set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for corner to Sections 35 and 36 Land very rolling, soil sandy, 3d rate good bunch grass and sage brush
	North 89°56' West, on true line, along the South boundary of Section 35
	Va, 14°45' East
40,00	set a post, deposit a pint of charcoal

Fifth Standard Parallel North

South boundary of Township 21 N. Range 37 W. 6th P.M.

Chains	
	and raised a mound, with pits, as per instructions, for 1/4 Sec. Cor.
80.00	Set a post; deposit a pint of char= = coal and raised a mound, with pits, as per instructions, for Corner to Sections 34 and 35
	Land rolling, soil 3d rate very sandy, good bunch grass

North 89°56' West, on true line, along the South boundary of Section 34

Va 14°45' East

40.00	Set a post; deposit a pint of char= = coal and raised a mound, with pits, as per instructions, for 1/4 Sec. Cor,
80.00	Set a post; deposit a pint of charcoal and raised a mound, with pits, as per instructions for corner to Sections 33 and 34

Fifth Standard Parallel North

South boundary of Township 21 N. Range 37 W. 6th P.M.

Chains	
	Land rolling 3d rate, good bunch grass

North 89°56' West, on true line, along the South boundary of Section 33

Va 14°45' East

40.00	Set a post; deposit a pint of charcoal and raised a mound, with pits as per instructions, for 1/4 Sec. Cor,
80.00	Set a post; deposit a pint of charcoal and raised a mound, with pits, as per instructions, for corner to Sections 32 and 33
	Land rolling, 3d rate, good bunch grass

North 89°56' West, on true line, along the South boundary of Section 32

Va, 14°45' East

Fifth Standard Parallel North

South boundary of Township 21 N. Range 37 W. 6th P.M.

Chains	
40.00	Set a post, deposited a pint of charcoal and raised a mound, with pits as per instructions for 1/4 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 31 and 32 Land very rolling, Soil 3d rate vegetation is bunch grass principally
	North 89°56' West, on true line, along the South boundary of Section 31
	Va 14°45' East
40.00	Set a post, deposit a pint of Char Coal, and raised a mound, with pits, as per instructions, for 1/4 Sec Cor
79.00	Enter a bottom bears N.E. and S.W.
80.00	Set a post, deposit a pint

Fifth Standard Parallel North

South boundary of Township 21 N. Range 37 W. 6th P.M.

Chains	
	of charcoal and raised a mound, with pits, as per instructions, for corner to Township 21 North, ranges 37 and 38 West Land, except the bottom notice, is rolling, 3d rate, the bottom is several miles in length and narrow like a ravine, it is good soil dry and fit for cultivation

Fifth Standard Parallel North

South boundary of Township 21 N. Range 38 W. 6th P.M.

Chains	
	From the corner to township 21 North ranges 37 and 38 West, 6 P.M., on the 5th Standard Parallel North, I run, North 89° 56' West, on true line, along the South boundary of Section 36 Va 14° 45' East
29,00	Leave bottom, bears N. E and S. W. and here begin to ascend a sand ridge
40,00	Set a post, deposited a pint of charcoal, and raised a mound with pits, as per instructions, for 1/4 sec. cor.
76,00	Top of sand ridge 150 feet above the bottom below, bears N. E. and S. W.
80,00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for corner to Sections 35 and 36

Land in the bottom is good for agriculture. The sand ridge noted produces only bunch grass and that of an inferior quality, portions of this ridge

Fifth Standard Parallel North

South boundary of Township 21 N. Range 38 W. 6th P.M.

Chains	
	is entirely devoid of vegetation, being bare white sand
	North 89° 56' West, on true line, along the South boundary of Section 35 Va 14° 45' East
40,00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 sec. cor.
63,00	Foot of sand ridge and enter a long irregular bottom, bears S. W. and N. E.
80,00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for corner to Sections 34 and 35

The sand, in the bottom noted is of a dark rich loam, but contains alkali, produces good grass, is sufficiently dry for cultivation, and the soil is 2° rate

North 89° 56' West, on true line, along

Fifth Standard Parallel North

South boundary of Township 21 N., Range 38 W., 6th P.M.

Chains	
	the South boundary of Section 34
	Va 14° 45' East
10,00	To a point South of a small lake of 1/2 acre in area about 3 chains distant from my line, the water is impregnated with alkali, though not so much but that it may be used
40,00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 Sec Cor
47,50	Leave bottom and ascend a Sand ridge bears N.E. and S.W.
80,00	Set a post, deposit a pint of char=coal and raised a mound, with pits, as per instructions, for Corner to Sections 33 and 34 this last corner sets upon top of the sand ridge, the slope to the West is gradual, Land in the bottom is 2d rate,

Fifth Standard Parallel North

South boundary of Township 21 N., Range 38 W., 6th P.M.

Chains	
	with good prairie and rye grass
	North 89° 56' West, on true line, along the South boundary of Section 33
	Va 14° 45' East
40,00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 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 32 and 33 Land broken and very sandy produces good bunch grass and a little sage brush
	August 24th 1872
	North 89° 56' West, on true line, along the South boundary of Section 32
	Va 14° 57' East

Fifth Standard Parallel North
South boundary of Township 21 N, Range 38 W. 6th P.M.

Chains	
40,00	set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, 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 31 and 32
	Land broken, very sandy soil 3d rate, produces good bunch grass

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North 89°56' West, on true line along the South boundary of Section 31

Va. 14°51' East

40,00	set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 Sec. Cor.
80,00	set a post, deposited a pint of charcoal and

Fifth Standard Parallel North
South boundary of Township 21 N, Range 38 W. 6th P.M.

Chains	
	raised a mound, with pits, as per instructions, for corner to Township 21 North, Ranges 38 and 39 West
	Land broken and very sandy soil 3d rate, vegitation bunch grass and a little sagebrush

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Fifth Standard Parallel North
South boundary of Township 21 N, Range 39 W. 6th P.M.

From the corner to Township 21 North, Ranges 38 and 39 West - 6th P.M. on the 5th Standard Parallel North, I run, North 89°56' West, on true line, along the south boundary of section 36

Va. 14°51' East

40,00	set a post deposited a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 Sec. Cor
65,50	Enter long irregular bottom which I reach by gradual descent, bears N.E. and S.W.
80,00	set a post, deposited a pint of char coal

Fifth Standard Parallel North
South boundary of Township 24 N. Range 39 W. 6th P.M.

Chains	
	and raised a mound, with pits as per instructions, for corner to sections 35 and 36
	Land, except the bottom noted, rolling and very sandy, the bottom is fit for cultivation soil 2d rate, produces good prairie grass
	North 89°56' West, on true line, along the South boundary of Section 35 Va, 14°55' East
40,00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instruction, for 1/4 Sec. cor.
45,00	Leave bottom and begin to ascend a Sand ridge, bears N.E. and S.W.
80,00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instruction, for corner to Sections 34 and 35
	Except the bottom, the land is very sandy and produces only bunch grass, soil 3d rate, the bottom

Fifth Standard Parallel North
South boundary of Township 24 N. Range 39 W. 6th P.M.

Chains	
	soil is 2d rate and fit for cultivation
	North 89°56' West, on true line, along the South boundary of Section 34 Va, 14°55' East
40,00	Set a post, deposit a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 Sec. cor.
54,50	Top of sand ridge, 200 feet above the bottom below, decent to west gradual
80,00	Set post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for corner to Sections 33 and 34
	Land broken and very sandy, the vegetation is bunch grass and occasionally sand cherry shrubs the roots of which are useful for fuel
	North 89°56' West, on true line, along the South boundary of Section 33 Va 14°55' East

Fifth Standard Parallel North

South boundary of Township 21 N. Range 39 W. 6th P.M.

Chains	
40.00	Set a post, deposited a pint of charcoal and raised a mound, write pits, as per instructions, for 1/4 Sec. Cor.
80.00	Set a post, deposited a pint of charcoal and raised a mound, write pits, as per instructions, for Corner to Sections 32 and 33
	Land broken, soil sandy, 3rd rate, bunch grass and scrubby shrubs

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North 89°56' West, on true line, along the South boundary of Section 32

Va. 14°55' East

40.00	Set a post, deposited a pint of charcoal and raised a mound, write pits, as per instructions, for 1/4 Sec. Cor.
80.00	Set a post, deposited a pint of charcoal and raised a mound, write pits, as per instructions, for Corner to Sections 31 and 32

Fifth Standard Parallel North

South boundary of Township 21 N. Range 39 W. 6th P.M.

Chains	
	Land very rolling and sandy, soil 3rd rate, produces bunch grass principally

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North 89°56' West, on true line, along the South boundary of Section 31

Va. 14°55' East

40.00	Set a post, deposited a pint of charcoal and raised a mound, write pits, as per instructions for 1/4 Sec. Cor.
80.00	Set a post, deposited a pint of charcoal and raised a mound, write pits, as per instructions, for Corner to Township 21 North ranges 39 and 40 West.
	Land rolling, soil very sandy, 3rd rate, vegetation bunch grass principally

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Fifth Standard Parallel North

South boundary of Township 21 N. Range 40 W. 6th P. M.

Chains	
	From the corner to townships 21 North, ranges 39 and 40 West 6th P. M. on the 5th Standard Parallel North, I run, North 89°56' West, on true line, along the south boundary of section 36
	Va 14°55' 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, deposited a pint of char= =coal and raised a mound, with pits, as per instruction, for corner to sections 35 and 36
	Land rolling, soil sandy, 3rd rate vegetation bunch grass and a little sage brush
	North 89°56' West, on true line, along the south boundary of section 35
	Va 14°55' East

Fifth Standard Parallel North

South boundary of Township 21 N. Range 40 W. 6 P. M.

Chains	
40.00	Enter a long irregular bottom, which I had reached by gradual descent, bears N. E. and S. W.
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.
44.00	Leave bottom and enter rolling land, bears N. E. and S. W.
80.00	set a post deposited a pint of char coal and raised a mound, with pits, as per instructions, for corner to section 34 and 35
	Land, except the bottom, rolling and 3rd rate, the bottom soil is strongly impregnated with alkali but in portions of it produces good grass
	North 89°56' West, on true line, along the south boundary of section 34
	Va, 14°55' East
40.00	set a post, deposited a pint of charcoal and raised a mound, with pits,

Fifth Standard Parallel North
South boundary of Township 21 N. Range 40 W. 6 P. M.

Chains	
	as per instructions, for 1/4 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 33 and 34
	Land rolling, soil 3d rate very sandy, good bunch grass
	North 89° 56' West, on true line, along the South boundary of Section 33
	va. 14° 55' East
40.00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 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 32 and 33

Fifth Standard Parallel North
South boundary of Township 21 N. Range 40 W. 6th P. M.

Chains	
	Land broken, soil 3d rate, vegetation bunch grass, and sand cherry shrubs
	North 89° 56' West, on true line, along the South boundary of section 32
	va 15° 00' East
40.00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions for 1/4 sec. cor.
60.07	Intersect the closing corner to Townships 20 No. Rs. 40 & 41 West on 5th Guide Meridian
80.00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for corner to sections 31 and 32
	Land rolling, soil sandy, 3d rate good bunch grass
	North 89° 56' West, on true line, along the South boundary of section 31
	va. 15° East
40.00	Set a post deposited a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 sec. cor.

Fifth Standard Parallel North

South boundary of Township 21 N. Ranges 40 W. 6 P.M.

Chains	
80.00	Set a post, deposited a piece of charcoal and raised a mound, with pits as per instructions, for corner to Township 21 North ranges 40 and 41 West 6th P.M., also the initial point for the 5th Guide Meridian West, on the 5th Standard Parallel North
	Land rolling, soil dry, vegetation bunch grass and a little sage brush
	August 26th 1872

General Description

This entire line of 48 miles runs through a country entirely devoid of timber, stone and good water. Its surface is rolling, with occasional bottoms, which are generally fit for cultivation. I think good water might be obtained by sinking wells in these bottoms, and by this means the country made useful for grazing, and to a limited extent for agriculture

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 Standard Parallel North, between the 4th and 5th Guide Meridian West, of the 6th P.M., in Nebraska, showing the respective capacities in which they acted; Geo. B. Pain, chainman; N. B. Moreland, chainman; Lorson Harris, chainman; Arthur L. Stahl, chainman; Casper Young, axeman; Frank P. Barks, axeman; J. H. Bowman, flagman.

We hereby certify that we assisted Enos L. Gray, deputy surveyor, in surveying the Fifth Standard Parallel North, between the 4th and the 5th Guide Meridian, West of the 6th Principal Meridian, in Nebraska

and that said Parallel 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

Corson Harris	Chainman
Arthur L. Stahl	Chainman
Geo B Paine	Chainman
N. B. Moreland	Chainman
Frank P Barks	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 of September 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 N. 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 Standard Parallel as are represented in the foregoing field notes as having been surveyed under my directions; and I do further solemnly sweat 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 of the District Court for Dodge Co. Neb.

122.63
1.3
122.50
48
1 4
46 37.50

Surveyor General's Office

Plattsmouth Neb.

The foregoing Field Notes of the Survey of the 5th Standard Parallel North from the 4th to the 5th Guide Meridian West in the State of Nebraska. Executed by Enos. F. Gray under joint contract No 65. Wherein Enos. F. Gray and John N. Hays are joint Contractors in the month of August 1872. having been critically examined the necessary corrections and explanations made the said field Notes and the Surveys they describe are hereby approved

E. E. Cunningham
Surveyor General.

T. d

PLAT S.S.

Field Notes
of
The Survey
of
The 5th Standard Parallel North
from the
5th to the 6th Guide Meridian West
in the State of Nebraska

Executed by
Enos F. Gray, Deputy Surveyor, under joint contract No, 65, wherein Enos F. Gray and John N. Hays are joint contractors. bearing date July 11th 1872

Survey –
Commenced September 7th 1872
Completed September 12th 1872

List of Names

A list of the names and duties of assistants

Corson Harris
Arthur L. Stahl
W. H. Robinson
T. C. Prather
} Chainmen

Casper Young } Axman

J. H. Bowman } Flagman

Fifth Standard Parallel North

Between the 5th and 6th Guide Meridian West 6th P. M.,

Chains

Begin at the established closing corner to township No. 20 North, ranges 48 and 49, West, and run West, for temporary conveyancing, of the 6th Guide Meridian West, on the 5th Standard Parallel North

Variation by Gurley's improved Solar compass 15° 30' East

128.63 Set a post for temporary Standard Corner to Township 21 North, ranges 48 and 49 West.

From which temporary Standard Corner to Township 21 N. ranges 48 and 49 West, I run East random, on the 5th Standard Parallel North, along the south boundary of township 21 North, in ranges 48, 47, 46, 45, 44, 43, 42 and 41 West.

Beginning with a variation of 15° 30' East and ending at the eastern extremity of this line with a variation of 15° 00' East; the decrease generally being regular, I set temporary

Fifth Standard Parallel North

Between the 5th and 6th Guide Meridian West 6th P. M.,

Chains

half mile and mile posts at every 40 and 80 chains, except that

(At 27 miles and 55 chains, intersect an impassable marsh, bears North and South East, here set a temporary post; obtain the distance across the marsh, on the line, by causing my flag to be stationed on the east margin of the marsh, on said line, and from the temporary post on the west margin of the marsh, I run North 40 chains to a point, thence east, on an offset line, 78 chains to a point 40 chains North of my flag stationed on the east margin of the marsh, in place of the flag, set a temporary post)

At 48 miles and 13 links to a point 3 chains and 6 links North of the established Standard Corner to Township 21 North ranges 40 and 41 West

(Therefore my correction will be 13 links East and $6\frac{37}{100}$ links South per mile and my true course will be North 89° 57' West, nearly)

September 7th 8th 9th and 10th 1872

Fifth Standard Parallel North

South boundary of Township 21 N. Range 41 W. 6th P. M.

Chains	
	From the Standard corner to Township 21 North ranges 40 and 41 West, I run North 89°57' West, on true line, along the South boundary of Section 36
	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.
47.00	Enter a bason like bottom, which I reach by gradual descent, bears S.W. and North, area about 160 acres
80.00	Set a post deposited a pint of char=coal and raised a mound, with pits, as per instructions, for Corner to Sections 35 and 36

Land rolling and 3d rate, except the bottom noted which is 2d rate soil, the vegetation is principally bunch grass on the rolling land and good prairie grass in the basin

Fifth Standard Parallel North

South boundary of Township 21 N. Range 41 W. 6th P. M.

Chains	
	North 89°57' West, on true line, along the South boundary of Section 35
	Va 15°00 East
40.00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 Sec Cor
77.50	Leave basin and ascend a sand ridge bears North and S 10° E
80.00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for Corner to Sections 34 and 35

The bottom noted lies, principally, north of the line, is oblong in shape, extending out in length along the line, its soil is sandy, surface dry, produces bunch and prairie grass, soil 3d rate

---

North 89°57' West, on true line, along the South boundary of Section 34

Va 15°00' East

11.50	Top of sand ridge 100 feet above basin

Fifth Standard Parallel North
South boundary of Township 21 N. Range 41 W. 6th P.M.

Chains	
40.00	Set a post, deposited a pint of char-coal and raised a mound, with pits per 1/4 Sec. cor.
45.00	Foot of sand ridge and enter a basin like bottom bears North and S.W.
80.00	Set a post, deposited a pint of Char coal and raised a mound, with pits, as per instructions, per Corner to Sections 33 and 34

The bottom noted lies principally north of the line and comprises about 640 acres, about one half of the surface of it is alkali soil and worth-less the remainder is fit for cultivation.

The ridge produces good bunch grass

North 89° 57' West, on true line, along the south boundary of

Fifth Standard Parallel North
South boundary of Township 21 N. Range 41 W. 6th P.M.

Chains	
	Section 33
	Va. 15° 00' East
40.00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions for 1/4 Sec. cor.
46.00	Leave basin and enter rolling land bears S.E. and N.W.
80.00	Set a post, deposited a pint of char-coal and raised a mound, with pits as per instructions for corner to sections 32 and 33

Land except the bottom rolling 3rd rate produces good bunch grass the bottom soil contains alkali and a portion of it is worthless the remainder produces good rye and buffalo grasses and is fit for cultivation

North 89° 57' West, on true line, along the South boundary of section 32

Va 15° 00' East

Fifth Standard Parallel North
South boundary of Township 21 N. Range 41 W. 6th P.M.

Chains	
33,00	Enter a basin like bottom bears E. N. and S. W.
40,00	Set a post, deposited a pint of chor-coal and raised a mound, with pits, as per instructions, for 1/4 Sec. cor,
64,00	Leave basin, enter rolling land, bears North and South
80,00	Set a post deposited a pint of chor coal and raised a Mound, with pits, as per instructions, for Corner to Sections 31 and 32

This bottom comprises about 160 acres in area, is of a dark rich soil and fit for cultivation, it produces good rye and prarie grass the rolling land is 3d rate soil with good bunch grass

North 89° 57' West, on true line, along the South boundary of Section 31

Fifth Standard Parallel North
South boundary of Township 21 N. Range 41 W. 6th P.M.

Chains	
	Var 15° 00' East
40,00	Set a post, deposited a pint of chor coal and raised a mound, with pits, as per instructions, for 1/4 Sec. cor,
80,00	Set a post, deposited a pint of chor-coal and raised a mound, with pits, as per instructions, for Corner to Township 21 North, ranges 41 and 42 West

Land rolling, Soil 3d rate, produces good bunch grass and but little of any other vegetation

Sept 10th 1872

Fifth Standard Parallel North

South boundary of Township 21 N. Range 42 W. 6th P.M.

Chains	
	From the corner to township 21 N. ranges 41 and 42 West, on 5th Standard Parallel, North, 9 run, North 89° 57' West, on true line, along the South boundary of Section 36
	Va. 15° 09' East
40.00	Set a post, deposited a pint of char coal and raised a mound, with pits, as per instructions, for 1/4 Section
80.00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for corner to Sections 35 and 36
	Land very rolling, 3rd rate producing only bunch grass

North 89° 57' West, on true line, along the south boundary of Section 35

Fifth Standard Parallel North

South boundary of Township 21 N. Range 42 W. 6th P.M.

Chains	
	Va 15° 09' East
40.00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 Sec. Cor.
80.00	Set post, deposited a pint of charcoal and raised a mound, with pits, as per instructions for corner to Sections 34 and 35
	Land rolling, very sandy, 3rd rate vegetation bunch grass principally

North 89° 57' West, on true line, along the South boundary of Section 34

Va 15° 09' East

40.00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 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 33 and 34
	Land very rolling, sandy soil, and produces only bunch grass

Fifth Standard Parallel North

South boundary of Township 21 N. Range 42 W. 6th P.M.

Chains	
	North 89°57' West, on true line along the South boundary of Section 33
	Va 15° 09' East
40.00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 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 32 and 33. Land rolling, Soil very sandy, 3d rate, good bunch grass

---

	North 89°57' West, on true line, along the South boundary of Section 32
	Va 15° 09' 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, deposited a pint of char coal and raised a mound, with pits as per instructions, for Corner to

Fifth Standard Parallel North

South boundary of Township 21 N. Range 42 W. 6th P.M.

Chains	
	Sections 31 and 32. Land very rolling, Soil sandy and 3d rate

---

	North 89°57' West, on true line, along the South boundary of Section 31
	Va 15° 09' 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, deposited a pint of charcoal and raised a mound, with pits as per instructions, for Corner to Township 21 North ranges 42 & 43 West. Land rolling and sandy, Soil 3d rate, vegetation bunch grass and little or no other vegetation

Stop here

Begin here

From the Corner to Township 21 North, ranges 42 and 43 West 6th P. M., on 5th Standard Parallel North,

Fifth Standard Parallel North
South boundary of Township 21 N. Range 43 W. 6th P.M.

Chains	
	Course North 89° 57' West, on true line, along the South boundary of Section 36
	Va 15° 15' East
40.00	Set a post, deposited a pint of charcoal, and raised a mound with pits, as per instructions, for 1/4 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 35 and 36
	Land rolling, very sandy, 3rd rate
	North 89° 57' West, on true line, along the South boundary of Section 35
	Va 15° 15' East
40.00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for corner to 1/4 Section Cor.
80.00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instruction for corner to

Fifth Standard Parallel North
South boundary of Township 21 N. Range 43 W. 6th P.M.

Chains	
	Sections 34 and 35
	Land rolling, very sandy, soil 3rd rate, vegetation bunch grass principally
	North 89° 57' West, on true line, along the South boundary of Section 34
	Va 15° 15' East
40.00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions for 1/4 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 33 and 34
	Land rolling, sandy and 3rd rate soil, with good bunch grass
	North 89° 57' West, on true line, along the South boundary of Section 33
	Va 15° 15' East
36.50	Enter a long irregular bottom, bears

Fifth Standard Parallel North
South boundary of Township 21 N. R. 43 W. 6th Pm.

Chains	
	North and south
40.00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 Sec. cor.
40.50	Enter a Marsh, of about 40 acres in area bears N & W and South. Contains good fresh water
67.50	Leave marsh and bottom and enter ~~outer~~ irregular sand hills bears S. E and N. W
80.00	Set a post, deposited a pint of char Coal and raised a mound, with pits for corner to sections 33 and 34

The bottom noted extends for miles to the north, being from 10 chains to 1/2 mile in width about 1/2 mile north of this line, in the bottom, is a lake of good water, the bottom is mostly dry enough for cultivation, is Prairie soil and produces good grasses.

Fifth Standard Parallel North
South boundary of Township 21 N. Range 43 W. 6th P. M.

Chains	
	The marsh noted is passable on the line and affords good water, fit for use,
	North 89° 57' West, on true line, along the South boundary of Section 32
	Va. 15° 15' East
40.00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 Sec. cor
80.00	Set post, deposit a pint of char coal and raised a mound, with pits, as per instructions, for corner to Sections 31 and 32

The surface, is that, of low irregular sand hills, producing inferior bunch grass and sand cherry shrubs

North 89° 57' West, on true line, along the South boundary of Section 31

Fifth Standard Parallel North

South boundary of Township 21 N. Range 43 W. 6th P.M.

Chains	
	Va 15° 15' East
40.00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, 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 31 and 36 also corner to township 21 north ranges 43 and 44

Low, irregular sand hills, and inferior bunch grass, and sand cherry shrubs, is the character of this land

Fifth Standard Parallel North

South boundary of Township 21 N. Range 44 W. 6th P.M.

Chains	
	From the corner to township 21 north ranges 43 and 44 West, on the 5th Standard Parallel North, I run, N 89° 57' West, on true line, along the South boundary of section 36
	Va 15° 15' East
40.00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 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 35 and 36

The surface is that of low irregular sand hill, vegetation, bunch grass, and sand cherry shrubs

Begin

North 89° 57' West, on true line, along the South boundary of section 35

Va 15° 15' East

10.00	Leave sand hills and enter a bottom bears North and South
27.13	Intersect an impassible marsh,

Fifth Standard Parallel North

South boundary of Township 21 N. Range 44 W. 6th P.M.

Chains

bears North and South,
Here I set a post, deposited a pint of charcoal and raised a mound with pits as per instructions for a witness corner to my intersection of this marsh and also to the 1/4 sec. cor 12.87 chains East of point
Note, the point for 1/4 sec. cor being in this marsh can not be established
The line running in the marsh, the distance on the random line was obtained on an offset by running North from the temporary post on the West margin of the marsh 40, chains to a point, thence east 78, chains and coming back to true line on the east margin of the marsh

80.00 The point for corner to sections 34 and 35 being in the marsh it can not be established. but from this point North 89°57' West, on true line, 25 chains and 13 links I set a post, deposited a pint of charcoal

Fifth Standard Parallel North

South boundary of Township 21 N. Range 44 W. 6th P.M.

Chains

and raised a mound, with pits, as per instructions for witness to said unestablished section corner, said witness post and mound being at the point where my true line intersects the west margin of the marsh, this marsh affords good water and plenty of it it is bordered by a narrow bottom of land which is fit for cultivation
The marsh is about 600 acres in area

From the witness post and mound last above noted (the same being from the true point for the corner to sections 34 and 35, N 89°57' West, on true line 25 chains and 13 links distant, counting this distance I run North 89°57' West, on true line, along the south boundary of section 34

30.13 Va 15°15' East
Leave bottom and enter rolling land bears N.S.
40.00 set post, deposited a pint of charcoal

Fifth Standard Parallel North
South boundary of Township 41 N, Range 44 W, 6th P.M.

and raised a mound, with pits, as per instructions, for 1/4 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 33 and 34
Land mostly rolling, soil sandy, 3d rate —
The bottom land notice is Prairie and fit for cultivation

North 89° 57' West, on true line, along the South boundary of section 33
Var 15° 15' East

40.00 Set a post deposit a pint of charcoal and raised a mound, with pits, as per instructions, for Corner to 1/4 Section

80.00 Set a post, deposited a pint of charcoal and raised a mound, with

Fifth Standard Parallel North
South boundary of Township 41 N, Range 44 W, 6th P.M.

Chains

pits, as per instructions, for Corner to Sections 32 and 33
Land rolling, soil 3d rate, produces good bunch and rye grass

---

North 89° 57' West, on true line, along the South boundary of section 32
Var 15° 15' East

40.00 Set a post, deposit a pint of charcoal and raised a mound with pits, as per instructions, for 1/4 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 31 and 32
Land rolling, soil sandy and 3d rate good bunch grass

North 89° 57' West, on true line, along the South boundary of section 31
Var. 15° 15' East

40.00 Set a post deposited a pint of charcoal

Fifth Standard Parallel North

South boundary of Township 21 N. Range 44 W. 6th P.M.

and raised a mound, with pits, as per instructions, for 1/4 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 31 and 36 also corner to township 21 North, ranges 44 and 45 West

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

Fifth Standard Parallel North

South boundary of Township 21 N. Range 45 W. 6th P.M.

Chains

From the corner to township 21 North, ranges 44 and 45 West, on the 5th Standard Parallel North, Run, North 89°57' West, on true line, along the South boundary of Section 36

Va. 15° 15' East

40,00 Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 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 35 and 36

Land rolling, soil 3d rate, good bunch grass

North 89°57' West, on true line, along the South boundary of Section 35

Va. 15° 15' East

40,00 Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 sec cor.

55,00 Enter a bottom, containing a small lake in its center, of alkali water,

Fifth Standard Parallel North

South boundary of Township 21 N. Range 45 W. 6th P.M.

Chains	
	bears North and South
80,00	Set a post, deposited a piece of charcoal and raised a mound, with pits, as per instructions for corner to Sections 34 and 35
	Land rolling and 3d rate, except the bottom which is mostly 1st rate soil, fit for cultivation, the lake which is about 5 chains north of the section corner last above mentioned, comprises about 5 acres and is very strongly impregnated with alkali and totally unfit for use. September 11th 1872

North 89°57' West, on true line, along the South boundary of Section 34

Va, 15°15' East

15,00	Leave bottom and enter sand hills, bears North and South
40,00	Set a post, deposited a piece of charcoal and raised a mound, with pits, as per instructions, for 1/4 Sec. Cor.

Fifth Standard Parallel North

South boundary of Township 21 N. Range 45 W. 6th P.M.

Chains	
80,00	Set a post, deposited a piece of charcoal and raised a mound, with pits, as per instructions, for corner to Sections 33 and 34
	The surface of this tract is that of sand hills, vegetation inferior bunch grass and sand cherry shrubs

---

North 89°57' West, on true line, along the South boundary of Section 33

Va 15°15' East

40,00	Set a post, deposited a piece of charcoal and raised a mound, with pits, as per instructions, for 1/4 Sec. Cor.
80,00	Set a post, deposited a piece of charcoal and raised a mound, with pits, as per instructions, for corner to Sections 32 and 33
	The surface, is that of sand hills, nearly void of vegetation

---

North 89°57' West, on true line, along the South boundary of Section 32

Fifth Standard Parallel North

South boundary of Township 21 N. Range 45 W. 6th P.M.

Chains	
	Va. 15°15' 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, deposited a pint of char coal and raised a mound, with pits, as per instructions, for corner to Sections 31 and 32
	The land's surface, is that of sand hills, producing inferior bunch grass and sand cherry shrubs

North 89°57' West on true line, along the South boundary of Section 31

	Va. 15°15' 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, deposited a pint of char coal and raised a mound, with pits as per instructions, for corner to Township 21 North

Fifth Standard Parallel North

South boundary of Township 21 N. Range 45 W. 6th P.M.

Chains	
	ranges 45 and 46 West
	Land's surface, that of sand hills, sand cherry shrubs and inferior bunch grass is the only vegetation

Fifth Standard Parallel North

South boundary of Township 21 N. Range 46 W. 6 P.M.

Chains	
	From the corner to township 21 North range 45 and 46 West, on 5th Standard Parallel North, I run, North 89°57' West, on true line, along the South boundary of Section 36
	Va 15°15' 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, deposited a pint of char coal and raised a mound, with pits, as per instructions for corner to Sections 35 and 36
	The surface, is that of sand hills, inferior bunch grass and sand cherry shrubs

North 89°57' West, on true line, along

Fifth Standard Parallel North
South boundary of Township 21 N, Range 46 W, 6th P.M.

Chains	
	the South boundary of Section 35
	va 15° 21' East
40,00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, 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 34 and 35
	Surface, Sand hills, vegetation, inferior bunch grass and Sand cherry Shrubs

---

North 89° 57' West, on true line, along the South boundary of Section 34

va, 15° 21' East

40,00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 Sec. Cor,
80,00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for corner to

Fifth Standard Parallel North
South boundary of Township 21 N, Range 46 W, 6th P.M.

Chains	
	Sections 33 and 34
	The lands surface is that of sand hills and but little of any kind of vegetation

---

North 89° 57' West, on true line, along the South boundary of Section 33

va, 15° 21' 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, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for corner to Sections 32 and 33
	Land's Surface, is that of sand hills, vegetation bunch grass and sand cherry shrubs

---

North 89° 57' West, on true line, along the South boundary of Section 32

va, 15° 21' East

40,00	Set a post, deposited a pint of charcoal

Fifth Standard Parallel North

South boundary of Township 71 N. Range 46 W.

Chains

and raised a mound, with pits,
as per instructions, 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 31 and 32
Surface, that of sand hills,
vegetation inferior bunch
grass and sand cherry shrubs

North 89°57' West, on true line,
along the South boundary of
Section 31
Va. 15° 21' 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
75,00 Leave sand hills bears
North and South on rolling land
80,00 set a post, deposited a pint of
char coal and raised a mound,
with pits, as per instructions

Fifth Standard Parallel North

South boundary of Township 71 N. Range 46 W. 6th P.M.

Chains

for corner to Townships 71 North,
ranges 46 and 47 West
Land's surface, is mostly, that of sand
hills, which produces only inferior
bunch grass and sand cherry
shrubs

Fifth Standard Parallel North

South boundary of Township 71 N. Range 47 West 6th P.M.

Chains

From the corner to townships 71 North ranges
46 and 47 West, on the 5th standard Parallel
North, Drun, North 89°57' West, on true
line, along the South boundary of
Section 36
Va 15° 21' 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, deposited a pint of char
coal and raised a mound, with
pits, as per instructions, for corner
to Sections 35 and 36
Land rolling, soil sandy, 3rd rate

Fifth Standard Parallel North

~~South boundary of Township 71 N. Range 47 W. 6th P.M.~~

Chains	
	and produces good bunch grass
	North 89° 57' West, on true line, along the south boundary of Section 35
	Va. 15° 21' East
40.00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions for corner to 1/4 Section
80.00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for corner to Sections 34 and 35
	Land rolling and very sandy produces good bunch grass
	North 89° 57' West, on true line, along the south boundary of

Fifth Standard Parallel North

~~South boundary of Township 71 N. Range 47 W. 6th P.M.~~

Chains	
	of Section 34
	Va 15° 21' East
40.00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 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 33 and 34
	Land very rolling, soil 3rd rate vegetation principally bunch grass
	North 89° 57' West, on true line, along the south boundary of Section 33
	Va. 15° 21' East
40.00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 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 32 and 33

Fifth Standard Parallel North

South boundary of Township 21 N. Range 47 W. 6th P.M.

Chains	
	Land rolling and sandy soil 3d rate
	North 89° 57' West, on true line, along the South boundary of section 32. Va. 15° 21' East
40.00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 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 31 and 32
	Land rolling, soil sandy, 3d rate, good bunch grass and a little sage brush
	North 89° 57' West, on true line, along the South boundary of section 31. Va 15° 30' East

Fifth Standard Parallel North

South boundary of Township 21 N. Range 47 W. 6th P.M.

Chains	
40.00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 sec. cor.
80.00	Set a post, deposit a pint of charcoal and raised a mound, with pits, as per instructions, for corner to sections 31 and 36 also corner to Township 21 North ranges 47 and 48 West. Land rolling, soil 3d rate, produces good bunch grass

Fifth Standard Parallel North

South boundary of Township 21 N. Range 47 & 48 W. 5th P.M.

Chains	
	From the corner to Township No. 21 North, range 47 and 48 West, on the 5th Standard Parallel North, I run, North 89°57' West, on true line, along the South boundary of Section 36
	Va. 15° 30' 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, deposited a pint of char coal and raised a mound, with pits, as per instructions, for corner to Sections, 35 and 36
	Land very rolling and sandy, soil 3rd rate, produces bunch grass and a little sage brush

North 89°57' West, on true line,

Fifth Standard Parallel North

South boundary of Township 21 N. Range 47 & 48 W. 5th P.M.

	along the South boundary of Section 35
	Va 15° 30' 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, deposited a pint of char coal and raised a mound, with pits, as per instructions for corner to sections 34 and 35
	Land rolling, soil sandy, 3rd rate produces good bunch grass and a little sage brush

North 89°57' West, on true line, along the South boundary of Section 34

Va 15° 30' 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, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for corner to sections 33 and 34

Fifth Standard Parallel North
South boundary of Township 21 N. Range 48 W. 6th P.M.

Chains	
	Land rolling, soil 3d rate
+	North 89° 57' West, on true line, along the South boundary of Section 33
	Va 15° 30' East
20.00	Leave rolling land and enter high level plain bears North and South
40.00	Set a post deposited a pint of Charcoal and raised a mound with pits, as per instructions, for corner to 1/4 Section
80.00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for corner to Sections 32 and 33 Land mostly level, Soil 2d rate produces good bunch and buffalo grass, Soil is fit for cultivation
	North 89° 57' West, on true line, along

Fifth Standard Parallel North
South boundary of Township 21 N. Range 48 W. 6th P.M.

Chains	
	the South boundary of Section 32
	Va 15° 30' East
27.50	Intersect the closing cor. to Town 20 N. R.S. 48 & 49 on 6th G.M. West
40.00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions for 1/4 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 31 and 32 Land level, Soil 2d rate, vegetation buffalo and bunch grass, soil is fit for cultivation
	North 89° 57' West, on true line, along the South boundary of Section 31
	Va, 15° 30' East
40.00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 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 31 and 36 and also corner to Township 21 North Ranges 48 and 49 West and 5th Initial point for the 6th Guide Meridian West

Fifth Standard Parallel North
South boundary of Township 27 & R 48 W. 6 P.M.

Chains

Land level, soil 2d rate, good buffalo and bunch grass soil is fit for cultivation

September 12th 1872

General Description

There is no timber or stone on or near this line and except the two marshes noted (one in range 43 and the other in range 44 West) there is no water on the line or near it (except a lake north of the marsh 1/2 mile in range 43 which is noted) that is fit for use, but in the several bottoms noted, especially in ranges 41, 42, 43 and 44 West, I think good water may be obtained from wells, to be sunk in these bottoms and the country turned to account for grazing and the bottoms for agriculture. The land on the western half of this line produces good grass and I think there are small brooks south of the line sufficiently near to make the country along the line available for grazing. There is good tool land in range 48 W. fit. I think, for cultivation

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 Standard Parallel North, between the 5th and 6th Guide Meridian West of the 6th P.M. in Nebraska, showing the respective capacities in which they acted; Carson Harris, chainman; Arthur L. Stahl, chainman; W. H. Robinson, chainman; I. C. Prather, chainman; Casper Young, axman; J. H. Bowman, flagman.

We hereby certify that we assisted Enos F. Gray, Deputy Surveyor, in surveying the Fifth Standard Parallel North, between the 5th and the 6th Guide Meridian, west of the 6th Principal Meridian, in Nebraska

and that said Parallel 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

Morson Fleming Chainman
Arthur L Stuhl Chainman
W. H. Robinson Chainman
T C Prather Chainman
Casper Yong. Axman

J H Bowman Flayman

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 21st day of November 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 N. Hayes 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 Standard Parallel 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 of the District Court for Dodge Co. Neb.

Surveyor General's Office
Nebraska 1873

The foregoing field Notes of the Survey of the 5th Standard Parallel North from the 5th to 6th Guide Meridian West in Nebraska executed by Enos F. Gray under joint Contract wherein Enos F. Gray and John N. Hayes are joint Contractors in the Month of September 1872. Having been critically examined the necessary corrections and explanations made the said field Notes and survey they describe are hereby approved

E. E. Cunningham
Surveyor General

Field Notes
of
The Survey
of
The 5th Standard Parallel North
through Ranges 44, 45, 46 and 47 West
~~from the 6th to the 7th Guide Meridian West~~
In the State of Nebraska

Executed by
Enos F. Gray, Deputy Surveyor, under joint Contract No. 65, wherein Enos F. Gray and John N. Hayes are joint Contractors, bearing date July 11th 1872

Survey
Commenced September 18th 1872
Completed September 25th 1872

List of names
A list of the names of assistants
and their duties

Corson Harris
Arthur L. Stahl } Chainmen
W. H. Robinson
J. C. Prather

Casper Yong } Axman

J. H. Bowman } Flagman

Fifth Standard Parallel North

Between the 6th and 7th Guide Meridian West 6th P. M.

Chains

Begin at the post, the established closing corner to township No. 20 North ranges 56 and 57 West, on the 5th Standard Parallel North, I run West for temporary convergency of the 7th Guide Meridian West, on the 5th Standard Parallel,

Variation, by Gurley's improved Solar compass, 16° 21' East

143.18 Set a post, for temporary Standard Corner to township 21 North range 56 and 57 West,

From which temporary Stand=
=ard corner to township 21 North ranges 56 and 57 West,

I run, East random, on the 5th Standard Parallel, along the south boundary of township 21 North in ranges 56, 55, 54, 53, 52, 51, 50 and 49 West,

Beginning with a variation of 16° 21' East and ending, at the eastern extremity of this line, with a variation of 15° 30' East

Fifth Standard Parallel North

Between the 6th and 7th Guide Meridian West 6th P. M.

Chains

the decrease being regular at the east end of the line but irregular at the west end, I set temporary half mile and mile posts at every 40 and 80 chains, except that at 24 mile 59 chains and 46 links, intersect the right bank of the North Fork of Platte River, here set a post, obtain the distance across the river, on the line, by meas=
=uring with the chain over a shallow channel to a tall, box elder, tree, on line, upon the first island east of the right bank, the distance to the said tree, from the temporary post on the right bank of the river, being 21 chains and 60 links, meas=
=urement across the balance of the river by chaining being impractic=
=able on account of the depth of the water, and trigangulation being impracticable on account of many islands in the river on and near the line, covered with willow brush and tall weeds, obscuring the view,

59.46
21.60
81.06

Fifth Standard Parallel North

Between the 6th and 7th Guide Meridian West of the 6th P.M.

Chains

I set a post, at a point, on the left bank of the river, upon line, from which I run North 45 chains to a point, thence West on offset line 52 chains and 20 links to a point due North from the flag tree, on the island aforesaid, making the entire distance over the river from the right to the left bank, on line to be 73 chains and 80 links,

At 48 miles and 96 links, intersect, the post, the established Standard Corner to Township 21 North ranges 48 and 49 West (my closeing being at the corner) (Therefore my correction will be 96 links East and my true course will be 90° or due West.)

September 18th 19th 20th 21st 1872

Fifth Standard Parallel North

South boundary of Township 21 N. Range through Range 49 W. 6th P.M.

Chain

From the Standard corner to Township 21 North, ranges 48 and 49 West 6 P.M., on the 5th Standard Parallel North, I run, West, on true line, along the South boundary of Section 36

va, 15° 30' East

40,00 Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 sec cor

66,00 Leave level plain, and enter broken land, with cropings of lime stone bears N.W. and S.E.

80,00 Set a lime stone 15X11X8 for corner to Sections 35 and 36

The east portion of this mile is level, land 2d rate, produces buffalo grass

The western portion is broken and irregular, with occasional cropings of lime stone, also produces good bunch grass

West, on true line, along the South boundary of Section 35

Fifth Standard Parallel North

South boundary of Township 21 N, Range 49 W, 6th P.M.

Chains	
	Va 15° 30' East
40,00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 Sec. Cor.
45,50	Enter dry ravine, 10 chains wide, which Branch by a gradual bend, bears North and South (about 75 chains South), in this ravine is Willow and box elder timber and a Spring brook which runs South.
65,50	Leave ravine and ascend a lime stone bluff
79,00	Top of bluff 100 feet above the ravine
80,00	Set a lime stone 14 X 12 X 4, for corner to sections 34 and 35 Land broken, 3d rate soil, good bunch grass

---

West, on true line, along the South boundary of Section 34

Va 15° 30' East

Fifth Standard Parallel North

South boundary of Township 21 N, Range 49 W, 6th P.M.

Chains	
40,00	Set a lime stone 14 X 12 X 3, for 1/4 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 33 and 34 Land broken and very sandy, produces good bunch grass

---

West, on true line, along the South boundary of Section 33

Va 15° 30' East

40,00	Set a lime stone 14 X 12 X 3, for 1/4 Sec. Cor.
80,00	Set a lime stone 16 X 12 X 6, for corner to sections 32 and 33 Land very broken, 3d rate, produces good bunch grass

---

West, on true line, along the South boundary of Section 32

Va 15° 30' East

40,00	Set a lime stone 15 X 12 X 3, for 1/4 Sec. Cor
55,00	Leave broken land and enter the rolling valley of the North Fork of

Fifth Standard Parallel North

South boundary of Township 21 North Range 49 W. 6th P.M.

Chains	
	Platte River, bears N.W. and S.E.
80.00	Set a lime stone 16 x 14 x 10, for corner to sections 31 and 32
	Land broken, contains lime stone, except the valley noted which here is rolling and sandy soil, produces bunch and rye grass

West, on true line, along the south boundary of section 31

Var 15° 30' East

40.00	Set a lime stone 14 x 12 x 3, for 1/4 Sec. cor.
80.00	Set a lime stone, 22 x 12 x 6, and raised a stone mound around the same, for corner to Township 21 north, ranges 49 and 50 West

Land rolling and very sandy soil 3d rate, vegetation bunch grass and sage brush

Fifth Standard Parallel North

South boundary of Township 21 N. Range 50 W. 6th P.M.

Chains	
	From the established corner to Township 21 north ranges 49 and 50 West, on the 5th Standard Parallel North, I run, West, on true line, along the south boundary of section 36

Var 15° 30' East

40.00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions for 1/4 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 35 and 36

Land rolling, soil sandy, 3d rate, produces bunch and rye grass and sage brush

West, on true line, along the south boundary of section 35

Var. 15° 30' East

40.00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 Sec. cor.
80.00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per

Fifth Standard Parallel North

South boundary of Township 21 N, Range 50 W, 6th P.M.

Chains	
	instructions, for corner to sections 34 and 35
	Land gently rolling. Soil 3d rate vegetation bunch and rye grass and a little sage brush
	West, on true line, along the south boundary of section 34
	va 15° 30' East
28,50	the southern point, of a ridge of lime stone, bears North
40,00	set a lime stone 14 X 12 X 3, for 1/4 Sec, cor,
80,00	set a post, deposited a pint of char=coal and raised a mound, of earth, with pits, as per instructions for corner to sections 33 and 34
	Land rolling, soil 3d rate the ridge noted is, a spur, from a range of bluffs, bordering the river valley on the north

Fifth Standard Parallel North

South boundary of Township 21 N. Range 50 W 6th P.M.

Chains	
	West, on true line, along the south boundary of section 33
	va 15° 30' East
40,00	set a line stone 14 X 12 X 3, for 1/4 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 32 & 33
	Land gently rolling, soil sandy, 3d rate, vegetation bunch and rye grass and sage brush
	West, on true line, along the south boundary of section 32
	va, 15° 45' East
40,00	set a line stone 14 X 12 X 3, 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 31 & 32
	Land gently rolling, soil 3d rate vegetation bunch and rye grass
	West, on true line, along the south

Fifth Standard Parallel North

South boundary of Township 71 N. Range 50 W. 6th P.M.

Chains	
	boundary of Section 31
	va, 15° 45' 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, deposited a pint of char-coal and raised a mound, with pits, as per instructions, for Corner to Township 71 North range 50 and 51 West
	Land gently rolling, Soil 3d rate, vegetation bunch and rye grass and a little Sage brush

Sept. 1872

Fifth Standard Parallel North

South boundary of Township 71 North, Range 51 W. 6th P.M.

Chains	
	From the township corner to township 71 North range 50 and 51 West, on the 5th Standard Parallel North, I run,
	West, on true line, along the South boundary of Section 36

Fifth Standard Parallel North

South boundary of Township 71 N. Range 51 W. 6th P.M.

Chains	
	va, 15° 45' 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, deposited a pint of char coal and raised a mound, with pits, as per instructions, for Corner to Sections 35 & 36
	Land gently rolling, Soil 3d rate,

	West, on true line, along the South boundary of Section 35
	va, 15° 45' East
40,00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, 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 34 & 35
	Land level, Soil 3d rate, vegetation bunch and rye grass

West, on true line, along the South boundary

Fifth Standard Parallel North

South boundary of Township 71 N. Range 51 W. 6th P.M.

chains	
	of Section 34
	va 15° 45' East
40.00	set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 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 33 and 34
	Land gently rolling Soil 2d rate. fit for cultivation

	West, on true line, along the South boundary of Section 33
	va, 15° 45' East
40.00	set a post - deposited a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 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 32 and 33

Fifth Standard Parallel North

South boundary of Township 71 N. Range 51 W. 6th P.M.

chains	
	Land gently rolling, Soil 2d rate produces good rye and buffalo grass and is fit for agriculture

---

	West, on true line, along the South boundary of Section 32
	va 15° 45' East
40.00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 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 31 and 32
	Land gently rolling, Soil 2d rate, produces good rye and buffalo grass

---

	West, on true line, along the South boundary of Section 31
	va, 15° 45' East
40.00	Set a post, deposited a pint of charcoal

Fifth Standard Parallel North

South boundary Township 21 N. Range 51 W. 6th P. M.

Chains	
	and raised a mound, with pits, as per instructions, for corner to 1/4 Sec.
80.00	Set a post, deposited a pint of char=coal and raised a mound, with pits, as per instructions, for corner to Township 21 North ranges 51 and 52 West.
	Land gently rolling, soil Drate produces buffalo and rye grasses and is fit for cultivation

---

Fifth Standard Parallel North

South boundary of Township 21 N. Range 52 W. 6th P. M.

From the corner to Township 21 North ranges 51 and 52 West, on the 5th Standard Parallel North, True, West, on true line, along the South boundary of Section 36

Va 15° 45' East

28.00	Leave rolling land and enter

Fifth Standard Parallel North

South boundary Township 21 N. Range 52 W. 6th P. M.

Chains	
	low bottom of the North Fork of Platte River bears N 70° W and S 65-08
40.00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 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 35-36
	The bottom noted is dry enough for cultivation and, except some alkali spots, is Drate soil, and well adapted to agriculture, it produces good blue joint and other bottom grasses

September 23

West, on true line, along the South bound=ary of Section 35

Va 15° 45' East

40.00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 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 34-35

Fifth Standard Parallel North

South boundary of Township 21 N. Range 5 W. 6th P.M.

chains	
	Land level and Prairie bottom land good for agriculture produces good blue joint and other grasses
	West, on true line, along the south boundary of Section 34
	Va 15° 45' 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, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for Corner to Sections 33 and 34
	Land level, Prairie bottom land produces good blue joint and other bottom grasses, is fit for cultivation
	West, on true line, along the south boundary of Section 33

Fifth Standard Parallel North

South boundary of Township 21 N. Range 5 W. 6th P.M.

chains	
	Va 15° 45' 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	To old emigrant trail bears N. W. & S. E.
	Set post, deposited a pint of char coal and raised a mound, with pits, as per instructions for Corner to Sections 32 and 33
	Land level, Prairie soil, good for agriculture
	West, on true line, along the south boundary of Section 32
	Va 15° 45' East
27.70	Intersect the left bank of the Oasis Fork of Platte river, a navigable stream; Runs S 65° E.
	Here I set a post, deposited a pint of charcoal and raised a mound, with a pit, as per instructions, for Meander Corner to fractional section 32
	The line running in the river, the distance on the random line, was obtained, by

Fifth Standard Parallel North

South boundary of Township 21 N. Range 52 W. 6th P.M.

Chains

chaining from the temporary post on the right bank east to a flag tree on the first island, going east from the right bank on line, 21 chains and 60 links, and by running north from the temporary post on the left bank of the river 45 chains to a point, thence west on offset line 52 chains and 20 links, to a point due north from the flag tree aforesaid making the entire distance over the river from the right to the left bank, on line, to be 73 chains and 80 links

40.00 Note, The point for 1/4 Sec. Cor falling in the river it cannot therefore be established

80.00 The point for corner to Sections 31 and 32 falling in the river it cannot therefore be established the land on the left bank of the river is a duplicate Soil, not subject

Fifth Standard Parallel North

South boundary of Township 21 North Range 52 W. 6th P.M.

Chains

to overflow and is well adapted to agriculture

The river on and near the line is filled with numerous small islands, overgrown with willow brush and rank weeds and an occasional box elder tree, the largest of these islands comprise about 1/8 of an acre in area

---

West, on true line, [From the point, for corner to sections 31 and 32, ~~which being in the river cannot be established~~] along the south boundary of section 31

va 15° 45' East

21.50 Set a post, on the right bank of the river, deposited a pint of charcoal and raised a mound, with a pit, as per instructions for corner to fractional section 31

From this corner Chimney Rock bears S 38° 35' E distant about 2 1/2 miles

40.00 Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions for 1/4 Sec. cor.

80.00 Set a post, deposited a pint of charcoal and raised a mound, with pits as per

Fifth Standard Parallel North

South boundary of Township 21 N. Range 52 W. 6th P.M.

Chains	
	instructions, for corner to Township 21 North ranges 52 and 53 West. The Land on the right bank of the river is well adapted to agriculture, not subject to overflow. Prate soil, with blue joint grass

Fifth Standard Parallel North

South boundary of Township 21 N. Range 53 W. 6th P.M.

Chains	
	From the Corner to Township 21 North ranges 52 and 53 West, on the 5th Standard Parallel North, Orun, West, on true line, along the south boundary of section 36
	Va 15° 45' East
40.00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 sec. cor.
71.50	To old emigrant road bears N. W & S. E.
80.00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as

Fifth Standard Parallel North

South boundary of Township 21 N. Range 53 W. 6th P.M.

Chains	
	per instructions, for corner to sections 35 & 36 Land level. Prate soil, fit for cultivation Here leave low bottom bears N. W. & S. E. Enter rolling land
	West, on true line, along the south boundary of section 35
	Va 15° 54' East
40.00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions for 1/4 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 34 and 35 Land gradually rising, from the river bottom, soil some what sandy 2d rate, produces good rye and bunch grass
	West, on true line, along the south boundary of section 34
	Va 15° 54' East
40.00	Set a post, deposited a pint of charcoal.

Fifth Standard Parallel North

South boundary of Township 21 N. R. 53 W. 6th P.M.

and raised mound, with pits, as per instructions, 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 33 and 34

Land rising, soil 3d rate, produces good rye and bunch grass

West, on true line, along the South boundary of section 33

va 15°54' 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, deposited a pint of char=
=coal and raised a mound, with pits, as per instructions, for corner to Sections 32 and 33

Land gently rising as 0 go West, soil sandy, 3d rate ~~produces bunch and rye grass~~

Fifth Standard Parallel North

South boundary of Township 21 N. Range 53 W. 6th P.M.

Chains

~~and a little sagebrush~~

West, on true line, along the south boundary of Section 32

Va, 15°54' East

40,00 Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 Sec. Cor.

69,00 To a point just north of Crystal Rock my line passing the rocks on the N. end

80,00 Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for corner to Sections 31 and 32

Land rising, soil sandy 3d rate ~~bunch grass and sagebrush~~

West, on true line, along the south boundary of Section 31

va, 15°54' East

40,00 Set a post, deposited a pint of char charcoal and raised a mound, with pits, as per instructions for 1/4 Sec. Cor.

80,00 Set a post, deposited a pint of charcoal

Fifth Standard Parallel North

South boundary of Township 21 N. Range 53 W. 6 P.M.

Chains

and raised a mound, with pits, as per instructions for corner to Township 21 North, ranges 53 and 54 west

Land rolling, very sandy, 3d rate, ~~good bunch grass and sage brush~~

Fifth Standard Parallel North

South boundary of Township 21 North Range 54 W. 6th P.M.

From the corner to Township 21 N. ranges 53 and 54 West, on the 5th standard Parallel North, Drun, West, on true line, along the South boundary of section 36

Va 15°54' East

40,00 Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 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 35 and 36

Fifth Standard Parallel North

South boundary of Township 21 North Range 54 W. 6th P.M.

Chains

Land rolling and sandy, soil 3d rate, ~~produces good bunch grass and a little sage brush~~

West, on true line, along the South boundary of section 35

Va 16°15' East

40,00 Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for ~~Corp~~ Sec. cor.

45.25 a wagon road bears N. & S. leads to Sidney from North Fork of Platte

80,00 Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for corner to sections 34 and 35

Land gently rolling, good 2d rate soil, produces good prairie grasses and is good for agriculture

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West, on true line, along the South boundary of section 34

Va 16°15' East

40,00 Set a post, deposited a pint of charcoal and

Fifth Standard Parallel North

South boundary Township 71 N. Range 54 W. 6th P.M.

Chains	
	raised a mound, with pits, as per instructions, for 1/4 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 33 and 34
	Land level, good 2d rate soil fit for cultivation
	West, on true line, along the South boundary of section 33
	va 16° 15' East
40.00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 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 32 and 33
	Land level, good 2d rate soil good for agriculture, ~~produces good prairie grasses~~

Fifth Standard Parallel North

South boundary of Township 71 N. Range 54 W. 6th P.M.

Chains	
	West, on true line, along the South boundary of Section 32
	va 16° 18' East
40.00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 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 31 and 32
	Land level or gently rolling, soil 2d rate good for agriculture, ~~produces good prairie grasses~~
	West, on true line, along the South boundary of Section 31
	va 16° 18' East
40.00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 Cor.
	Note, this 1/4 corner sets in a gap or pass between a ridge or oblong mound of hardened clay on the north, and the northern point of a long ridge on the south, each being

Fifth Standard Parallel North

South boundary of Township 21 N. Range 54 W. 6th P.M.

chains	
	distant from the 1/4 Sec Cor about 20 chains
80,00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for corner to Township 21 North, ranges 54 & 55 West.
	Land gently rolling, Soil 2d rate good for agriculture and produces ~~good prairie grasses~~

X Stone

Fifth Standard Parallel North

South boundary of Township 21 North, Range 55 W. 6th P.M.

chains	
	West, on true line, along the South boundary of Section 36 va. 16° 18' East
40,00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 Sec. Cor.
80,00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for corner

Fifth Standard Parallel North

South boundary of Township 21 North Range 55 W. 6th P.M.

chains	
	to Sections 35 and 36
	Land mostly level, Soil 2d rate fit for cultivation, produces good ~~prairie grasses~~

West, on true line, along the South boundary of Section 35 va 16° 15' East

40,00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 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 34 and 35
	Land gently rolling, Soil 2d rate good ~~for agriculture~~, ~~produces good prairie grasses~~

West, on true line, along the South boundary of Section 34 va 16° 12' East

Fifth Standard Parallel North

South boundary of Township 21 N. Range 55 W. 6th P.M.

Chains	
40,00	Set a lime stone, 12 X 11 X 10. for 1/4 Sec. cor,
80,00	Set a lime stone 18 X 8 X 6, for corner to Sections 33 and 34
	Land level, good 2d rate soil fit for cultivation, and produces good prairie grasses

West, on true line, along the South boundary of Section 33

Va 16° 12' East

40,00	Set a lime stone, 15 X 11 X 5, for 1/4 Sec. cor
68,00	To the foot of the base of a point of perpendicular rocks bears N.W. & S.E.
78,50	To the top of the base aforesaid (which is 200 feet above the level land below)
	and to the foot of the perpendicular point, which rises 200 feet above its sloping base or 400 feet above the level land below, (this

Fifth Standard Parallel North

South boundary of Township 21 N. R. 55 W. 6th P.M.

Chains	
	point is the northern end or point of a ridge or spur from the high table land lying south of the line)
80,00	Set a lime stone 18 X 16 X 10, for corner to sections 32 and 33, from which a pine 8 in. dia, bears N 75° W 125 links distant

No other tree convenient to mark

Land, except the base noted, is gently rolling soil 2d rate good for agriculture

The base noted is a regular elevation rounding the foot of the perpendicular point of rocks

The point of rocks is composed of hardened clay in which are imbedded strata of lime stone

September 24th 1872

West, on true line, along the South boundary of section 32

Va 16° 21' East

4,50	To the foot of base of perpendicular point

Fifth Standard Parallel North

South boundary of Township 71 N. Range 55 W. 6th P.M.

Chains	
	of rocks, and enter gently rolling land, bears N.E. and South
40,00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 Sec. Cor,
75,50	a brook, 5 links wide runs North, good water,
80,00	Set a post, deposited a pint of charcoal and raised a mound with pits, as per instructions, for Corner to sections 31 and 32 Land gently rolling soil 3rd rate, ~~good for agriculture and produces good tame grasses~~

	West, on true line, along the South boundary of Section 31
	Va 16° 21' East
40,00	Set a lime stone, 14 x 10 x 9, for 1/4 Sec. Cor
75,00	Leave rolling land and begin to

Fifth Standard Parallel North

South boundary of Township 71 N. Range 55 W. 6th P.M.

Chains	
	ascend a rugged bluff bears S.E. and N.W.
80,00	Set a lime stone, 18 X 14 X 10 and around the same raised a mound of lime stone, as per instructions, for corner to township 71 North ranges 55 and 56, from which a pine 18 in. dia, bears N 65° W 96 links distant
	A pine 12 in. dia, bears N 70 E, 80 links dist
	No other tree convenient to mark
	Land mostly rolling 3rd rate soil & good grass

Fifth Standard Parallel North

South boundary of Township 71 North Range 56 W. 6th P.M.

Chains	
	From the corner to Township 71 North ranges 55 and 56 West, on the 5th Standard Parallel North, I run, West, on true line, along the South boundary of section 36
	Va, 16° 30' East
13,00	Top of rugged bluff, and near the northern end or extremity of the ridge, 400 feet above

Fifth Standard Parallel North

South boundary of Township 21 N. Range 36 W. 6th P.M.

Chains	
	the rolling land below
30,00	the foot of rugged bluff bears N.E. & S.W. Here enter broken land
40,00	Set a lime stone, 14 x 12 x 6, for 1/4 Sec. Cor,
50,00	a brook of good spring water 5 links wide runs N.E.
65,75	a brook 5 links wide runs North
71,00	a brook 3 links wide runs North
80,00	Set a lime stone, 15 x 12 x 4, for corner to sections 35 and 36, from which
	a pine 8 in. dia, bears N 80° E 158 links distant
	No other tree convenient
	There are some scattering pines upon and on the sides of the rugged bluff, noted, and at the section corner last noted I enter scattering pines bearing N.W and South
	Land broken, with lime stone

Fifth Standard Parallel North

South boundary of Township 21 North Range 36 W. 6th P.M.

Chains	
	~~on the rugged bluff noted~~
	The soil is mostly 3rd rate
	Water is of the very best quality

	West, on true line, along the South boundary of Section 35 Var 16° 18' East
6,05	a brook, 5 links wide, runs N.E.
21,80	Same brook ~~runs North~~ Comes from South, to the line, and thence East along the line to the first point noted
40,00	Set a lime stone, 14 x 12 x 4, for 1/4 Sec cor, from which
	a pine 10 in. dia, bears N 80° W 49 links distant
	a pine 8 in. dia, bears N 10° E 50 links distant
	Here begin to ascend hill covered with pines, bearing N & S
72,00	Top of hill, 400 feet above rolling land to the North & East and here enter high table land and leave pines bears N.W and S.E.
80,00	Set a lime stone, 16 x 12 x 6, for corner to Sections 34 and 35
	Land mostly broken and covered with small pines except the table land noted, The table land is 2nd rate soil produces good grass

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West, on true line, along the South boundary of Section 34

Fifth Standard Parallel North

South boundary of Township 21 N. Range 56 W. 6th P.M.

Chains	
	Va 16° 18' East
30,00	Leave table land and begin to descend into canon, wooded with scattering pines, bears S.E. and N.W.
40,00	Set a lime stone, 14 x 12 x 10 for 1/4 cor from which A pine, 10 in. dia, bears N. 2° W. 84 links dist. A pine, 8 in. dia, N. 60° E 50 links distant
40,00 29,00	To bottom of dry canon runs S.E.
61,02	A pine, 30 in. dia,
80,00	Set a lime stone, 16 x 14 x 8, for corner to sections 33 and 34, from which, A pine, 10 in. dia, bears N. 87 E. 72 links dist: A pine, 8 in. dia, bears N. 89 E. 238 links dist. No other tree convenient to mark Timber, scattering pines, soil 3d rate except the table land which is 2d rate
	West, on true line, along the South boundary of Section 33
	Va 16° 21' East
35,00	Top of hill and leave scattering pines bears S.E. and N.W.
40,00	Set a lime stone, 14 x 12 x 5, for 1/4 Sec cor
63,00	Begin to descend into canon in which are

Fifth Standard Parallel North

South boundary of Township 21 N. Range 56 W. 6th P.M.

Chains	
	Scattering pines, bears S.E. and N.W.
70,00	Bottom of dry canon runs S.E.
80,00	Set a lime stone, 16 x 10 x 8, for corner to Section 32 & 33, from which A pine, 20 in. dia, bears S. 53 E, 103 links dist.: A pine, 18 in. dia, bears N. 35 E, 104 links dist.: Land broken, 3d rate; Scattering timber in the canons, mostly pine
	West, on true line, along the South boundary of Section 32
	Va. 16° 21' East
15,00	Leave canon and enter high rolling land bears S.E. and N.W.; Here leave pines
17.78	Intersect closing cor N. Town 20 N. Rs. 56 & 57 on 7th G.M. West
40,00	Set a lime stone, 14 x 12 x 4, for 1/4 Sec cor,
80,00	Set a lime stone, 17 x 10 x 9, for corner to sections 31 & 32 Land, mostly, high and rolling, 3d rate soil, rye & prairie grass The canon is wooded with scattering pines
	West, on true line, along the South boundary of Section 31
	Va. 16° 21' East
34,00	An Indian trail, bears S.E. & N.W. and leads from the South Platte country to the Sioux agency
40,00	Set a lime stone, 15 x 12 x 3, for 1/4 Sec. cor,
80,00	Set a lime stone, 18 x 13 x 6, and raised a mound, of lime stone, around the same, as per instructions

Fifth Standard Parallel North

South boundary of Township 21 N. Range 56 W. 6th P.M.

Chains

for Standard Corner to Township 21 North ranges 56 and 57 West; from which A pine, 24 in. dia, bears N. 25 E. 3 20 links dist. No other tree convenient to mark. This corner is near a canon, which lies South of it, and runs nearly West, in the immediate vicinity of which is an occasional pine, but no general growth of timber.

Land high and rolling, Prairie soil, ~~produces good rye and prairie grass~~

September 25th 1872

General Description

With the exception of ranges 49 and 56, this line, lies in the valley of the North Fork of Platte River, the lands of which, along the line, are mostly good for agriculture. The "North Fork" crossing the line in range 52 West, is a stream of about 40 chains, right angle width, during the months of June, July and August, its channel is sufficiently regular and deep enough for navigation with ordinary river steam boat, its waters, however, are turbulent and its current swift and its bed is that of quick sands, and I think its prac=

=ticable utility, will be, in the use of its waters, for irrigating its adjoining valleys and perhaps for mill powers.

All the country along this line is well adapted to grazing, good water being on or sufficiently near the line, and the broken country bordering the valley on either side of the river, being well calculated, to shelter heads from the storms of winter as well as afford a variety of grass. The South side of the valley is bordered or hemed in by a well defined chain of bluffs rising 400 feet above the valley, this chain of bluffs lies near and parallel with the line from Section 32 in range 53 West to and including range 55 West; at which last named point the bluffs cross my line and continue N.W. In the canons of these bluffs there is some pine timber, but of an inferior growth. Lime stone also abounds along the line of these bluffs but of an inferior quality. The bluffs on the north side of the river bordering the valley are less abrupt and not so well defined and no timber, except willow or boxelder occasionally to be found upon the brooks which rise in them

A list of the names of the individuals employed in running, measuring & marking the lines and corners described in the foregoing field notes of the 5th Standard Parallel North between the 6th and 7th Guide Meridian W. of the 6th P.M. in Nebraska, showing the respective capacities in which they acted, Corson Harris, Chainman; Arthur L. Stahl, Chainman; W. H. Robinson, Chainman; T. C. Prather Chainman; Casper Yong, axman; J. H. Bowman, Flagman —

We hereby certify, that we assisted Enos F. Gray, Deputy Surveyor in Surveying the 5th Standard Parallel North, between the 6th and 7th Guide Meridian West of the 6th P.M. in Nebraska, and that said Standard Parallel 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

Corson Harris Chainman
Arthur L Stahl Chainman
W H Robinson Chainman
T C Prather Chainman
Casper Yong. 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 25 day of November 1872 at Sidney, in the said county of Cheyenne

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 N. Hays are joint contractors with E. S. Cunningham United States Surveyor General, for the district of Nebraska and Iowa, bearing date, July 11th 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 5th Standard Parallel North 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 survey has 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, per Dodge County in the state of Nebraska this 30th day of November 1872

J. J. Hawthorne
Clerk of the District Court per Dodge County, State of Nebraska

Surveyor General's Office
Plattsmouth Nebraska

The foregoing Field Notes of the Survey of the 5th Standard Parallel North in the State of Nebraska from the 6th to the 7th Guide Meridian Executed by Enos F. Gray under joint Contract No 65. dated July 11th 1872. wherein Enos F. Gray and John N. Hays are joint Contractors in the month of September 1872. having been critically examined the necessary corrections and explanations made the said field notes and the surveys they describe are hereby approved.

E. E. Cunningham
Surveyor General.
Nebraska & Iowa.

Field Note
of
the Survey
of
the 5th Standard Parallel North
from the
7th Guide Meridian West, to the western
Boundary of the State of Nebraska

Executed by
Enos F. Gray, Deputy Surveyor, under joint Contract No. 65, wherein Enos F. Gray and John N. Hays are joint Contractors, bearing date July 11th 1872

Survey
Commenced September 25th 1872
Completed September 26th 1872

1. List of Names

A list of the names of assistants and their duties

Corson Harris
Arthur L. Stahl
W. H. Robinson
I. C. Prather
} Chainmen

Casper Yoney } Axman

J. H. Bowman } Flagman

Fifth Standard Parallel North

South boundary of Township 21 North, Range 57 W. 6th P.M.

Chains	
	Begin at the ~~stone~~, the established Standard Corner, to town ship 21 North, ranges 56 and 57 West; on the 5th Standard Parallel North, & run West; on true line, along the South boundary of Section 36
	Va, 16° 21' East
20,00	Begin to descend into a canon wooded with cedar and pine
39,00	Bottom of dry canon, same as above, runs South
40,00	set a lime stone 15 X 11 X 6, for 1/4 Sec. Cor. from which a cedar, 20 in. dia. bears N. 89 E, 50 links distant; a pine, 8 in. dia bears South 17 links distant
47,00	Leave canon and timber bearing S
80,00	Set a lime stone, 14 X 12 X 3, for Corner to Sections 35 and 36 from which, a pine, 10 in. dia, bears S. 80 W, 150 links distant; No other trees convenient to mark

Fifth Standard Parallel North

South boundary of Township 21 N. Range 57 W. 6th P.M.

Chains	
	Land mostly very broken, soil poor. There is a deep canon lying South of the line about 5 chains and runs west about parallel with the line not much timber except in the canons

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	West, on true line, along the South boundary of Section 35
	Va, 16° 24' East
3,00	a Spring brook, in deep ravine, 5 links wide, runs South, good water,
40,00	Set a lime stone, 14 X 10 X 10, for 1/4 Sec. Cor.
63,00	Begin to descend into canon, which runs nearly West; my line following the course ~~of the canon~~
80,00	Set a lime stone, 14 X 12 X 4 for Corner to Sections 34 and 35, (in canon) from which A pine, 6 in. dia, bears S 45 E, 3 lks. dist;

Fifth Standard Parallel North
South boundary of Township 21 N. Range 57 W. 6th P.M.

Chains	
	No other tree convenient to mark. Land broken and descending to the westward soil poor ~~and but few trees even in the canons~~
	West on true line, along the South boundary of Section 34 va, 16° 24' East
2,00	Leave canon at its mouth and enter a rolling valley bears N W and S E
40,00	Set a lime stone, 14 X 12 X 3, for 1/4 Sec. Cor.
80,00	Set a lime stone, 18 X 10 X 8 for corner to sections 33 and 34 Land mostly rolling soil second rate and produces good prairie grasses and is fit for cultivation

Fifth Standard Parallel North
South boundary of Township 21 N. Range 57 W. 6th P.M.

Chains	
	West, on true line, along the South boundary of Section 33 va 16° 21' East
40,00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 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 32 and 33 Land rolling and 2d rate soil, ~~vegetation good prairie grasses~~ This land is good for agriculture September 25th 1872

Fifth Standard Parallel North

South boundary of Township 21 N. Range 57 W. 6th P.M.

Chains	
	West on true line, along the South boundary of Section 32
	va 16° 21' East
40.00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 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 31 and 32
	Land level, Soil 2d rate, good for agriculture ~~and produces good prairie grasses~~

Fifth Standard Parallel North

South boundary of Township 21 N. Range 57 W. 6th P.M.

Chains	
	West, on true line, along the South boundary of Section 31
	va 16° 21' East
40.00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for 1/4 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 31 and 36 and also Corner to Township 21 North ranges 57 and 58 West.
	Land level, 2d rate soil, ~~produces good prairie grasses and is good for agriculture~~

Fifth Standard Parallel North

South boundary of Township 21 N. Range 58 W. 6th P.M.

Chains	
	From the corner to township 21 North, range 57 and 58 West, on the 5th Standard Parallel North, 3 miles West, on true line, along the South boundary of Section 36
	Va 16° 24' East
40,00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions for 1/4 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 35 and 36
	Land level, Soil 2d rate good for agriculture ~~produces good prairie grasses~~

Fifth Standard Parallel North

South boundary of Township 21 N. Range 58 W. 6th P.M.

Chains	
	West, on true line, along the South boundary of Section 35
	Va 16° 24' East
40,00	Set a post, deposited a pint of charcoal and raised a mound, with pits, as per instructions for 1/4 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 34 and 35
	Land level, Soil 2d rate ~~produces good prairie grasses and is good~~ for agriculture

Fifth Standard Parallel North

South boundary of Township 21 N. Range 58 W. 6th P.M.

Chains	
	West, on true line, along the South boundary of Section 34 va 16° 24' 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, deposited a pint of charcoal and raised a mound, with pits, as per instructions, for corner to sections 33 and 34
	Land level, 2d rate soil, ~~produces good prairie grasses and is good~~ for agriculture

Fifth Standard Parallel North

South boundary of Township 21 N. Range 58 W. 6th P.M.

Chains	
	West, on true line, along the South boundary of Section 33 va 16° 24' 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,
58,62	Intersected, the west boundary line of the State of Nebraska, 19 chains 52 links North of the 51st Mile post. ~~of the same~~, at which point of said intersection - Set a post, deposited a pint of char coal and raised a mound, with pits, as per instructions for corner to fractional section 33 and also for closing corner of the 5th Standard Parallel North, upon the western boundary line of the State of Nebraska
	Land level, 2d rate soil, good for agriculture ~~and produces good prairie grasses~~

September 26th 1872

General Description

this line, mostly lies in a valley of large extent and is bordered by regular chains of bluffs, usually rising abruptly about 400 feet above the valley, in some places, however, the chain is broken by cañons or ravines, so that, the rise is more gradual, along this line the land is well adapted to agriculture and will produce without irregation, this valley is also well adapted to grazing, there being good spring water near near the bordering bluffs, easy access and these bluffs and their cañons afforde ample shelter for herds against the storms of winter timber is only found in or near the cañons in the bluffs and at best, is of an inferior quality there is plenty of lime stone in the bluffs but of an inferior quality

A list of the names of the individuals employed in running, measuring, or marking the lines and corners discribed in the foregoing field notes of the 5th Standard Parallel North, between the 7th Guide Meridian West, and the Western boundary of the State of Nebraska, showing the respective capacities in which they acted; Corson Harris, chainman; Arthur L. Stahl, chainman; W. H. Robinson, chainman; J. C. Prather, chainman; Casper Yong, chainman; J. H. Bowman flagman.

We hereby certify that we assisted Enos F. Gray, deputy surveyor, in surveying the fifth Standard Parallel North from the 7th Guide

Meridian East of the 6th Principal Meridian, to the Western boundary of the State of Nebraska, and that said Standard Parallel 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

Lorson Harris Chainman
Arthur L. Stahl Chainman
W. H. Robinson Chainman
F. C. Prather Chainman
Casper Yong Axman
J. H. Boorman 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 28 day of November 1872, at Sidney, in the said County of Cheyenne

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 N. Hays are joint contractors with E. E. Cunningham, United States Surveyor General, for the District of Nebraska and Iowa, bearing date, July 11th 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 5th Standard Parallel 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 survey has 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 of the District Court for Dodge Co. Nebraska

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Surveyor General's Office
Plattsmouth

The foregoing Field notes of the Survey of the 5th Standard Parallel North ~~for~~ the State of Nebraska from the 7th Guide Meridian West to the West Boundary of the State. Executed by Enos. F. Gray under joint Contract No 65. dated July 11th 1872. wherein Enos. F. Gray and John K. Hays are joint Contractors in the month of September 1872. having been critically examined the necessary corrections and explanations made, the said field Notes and the Surveys they describe are hereby approved.

E. E. Cummingham
Surveyor General

General Land Office • Original Field Notes

Book Number

212

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.