General Land Office • Original Field Notes

Book Number

215

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.

6
~~18~~

8
S. P. N.
to West Bdr'y.

6.

Field Notes
Of the Survey of the 8th Standard
Parallel North of the Base Line, between
Townships 32 and 33 North, from the
6th Principal Meridian
West
to the Missouri River in Range 5 West
Territory of Nebraska
Surveyed By

Charles A. Manners Deputy Surveyor

Under Contract No 232 Dated July 2nd 1858

Survey commenced August 27 1858
Survey Completed August 29 1858

Eighth Standard Parallel North
R 1 W

From the Post in a Mound on the 6th Principal Meridian at the corner to Townships 32 and 33 North, Ranges 1 East and 1 West I run Along the South Boundary of Section 36 T33 N R1 W West on a true line

Variation 12°00' East - the same variation tracing the meridian at this point

1 20 Drain, Course S W

4 50 Same drain, Course NW

8 00 Same drain, Course S W

14 05 Spring Branch 8 links wide, skirted with timber Course North

23 05 Branch 15 links wide, Course N E

40 00 Set a Granite Bowlder 16 in. long 11 in. wide and 7 in. thick for a quarter Section corner

80 00 Set a Granite Bowlder 17 in. long 11 in. wide and 5 in. thick for a corner to sections 35 and 36 T33 N

Land rolling prairie; Soil 1st rate

Elm, Ash and Walnut timber skirting the branch

Eighth Standard Parallel North
R 1 W

Along the South Boundary of Section 35 T33 N
West on a true line

Variation 12° 15' East

40 00 Set a Granite Bowlder 20 in. long 12 in. wide and 6 in. thick for a quarter section corner

78 80 Drain, Course North

80 00 Set a Granite Bowlder 20 in. long 13 in wide and 10 in. thick for a corner to Sections 34 and 35 T33 N

Land, rolling prairie
Soil 2d. rate.

Eighth Standard Parallel North
R 1 W

Along the South Boundary of Section 34 T33 N
West on a true line

Variation 12° 20' East

13 00 Summit of a ridge bearing NW and SE

22 40 Drain, Course NW

40 00 Set a Granite Bowlder 17 in. long 9 in. wide and 5 in. thick for a quarter section corner

52 60 Drain, Course N W

68 00 Summit of a ridge bearing NW and SE

80 00 Set a Granit Bowlder 16 in. long 10 in. wide and 5 in. thick for a corner to sections 33 and 34 T33 N

Land rolling prairie
Soil 2d. rate

Eighth Standard Parallel North
R 1 W

Along the South Boundary of Section 33 T33 N
West on a true line

Variation 12° 00' East

23 00 Drain, Course N W

40 00 Set a Granite Bowlder 17 in. long 15 in. wide and 6 in. thick for a quarter section corner

48 90 Drain, Course N W

56 00 Point of a ridge sloping NW

62 60 Drain, Course NW.

80 00 Set a Granite Bowlder 17 in. long 12 in. wide and 6 in. thick for a corner to Sections 32 and 33 T 33 N

Land rolling prairie
Soil 2d rate

Eighth Standard Parallel North
R 1 W

Along the South Boundary of Section 32 T33 N
West on a true line

Variation 12° 10' East

10 10 Branch 10 links wide, Course North - Its general Course N E

40 00 Set a Granite Bowlder 15 in. long 8 in. wide and 5 in. thick for a quarter Section corner

57 00 Drain, Course S E

80 00 Set a Granite Bowlder 18 in. long 13 in. wide and 5 in. thick for a corner to sections 31 and 32 T33 N

Land rolling prairie
Soil 1st rate

Eighth Standard Parallel North
R 1 W

Along the South Boundary of Section 31 T33 N
West on a true line

Variation 12° 30' East

9 60 Drain, Course SE
28 00 Point of a ridge sloping SE
35 10 Drain, Course SE
40 00 Set a Granite Bowlder 14 in. long 8 in. wide and 7 in. thick for a quarter section corner
42 00 Summit of a ridge bearing NW and SE
55 00 Drain, Course SE
61 00 Drain, Course SE
78 20 Drain, Course SE
80 00 Set a Granite Bowlder 15 in. long 11 in. wide and 8 in. thick for a corner to Sections 31 and 36 T33 N. Ranges 1 and 2 West - said corner being set in a Mound of Stones as per instructions

Land rolling prairie
Soil 2d rate

Eighth Standard Parallel North
R 2 W

Along the South Boundary of Section 36 T33 N R2W
West on a true line

Variation 13° 00' East

22 80 Drain, Course S15°E
31 00 Wagon Road from St. James to Frankfort bearing SE and NW
40 00 Set a Granite Bowlder 14 in. long 8 in. wide and 6 in. thick for a quarter section corner
50 20 Drain, Course SE
70 00 Wagon Road from St. James to Tepeota on the summit of a ridge bearing NW and SE
80 00 Set a Granite Bowlder 16 in. long 12 in. wide and 4 in. thick for a corner to sections 35 and 36 T33 North

Land rolling prairie
Soil 1st rate

Eighth Standard Parallel North
R 2 W

Along the South Boundary of Section 35 T 33 N
West on a true line

Variation 14° 35' East

40 00 Set a Granite Bowlder 16 in. long 9 in. wide and [illegible] in. thick for a quarter Section corner

42 40 Drain, Course SE

80 00 Set a Granite Bowlder 16 in. long 13 in. wide and 5 in. thick for a corner to Sections 34 and 35 T 33 N. R 2 W

Land rolling prairie
Soil 1st rate

Eighth Standard Parallel North
R 2 W

Along the South Boundary of Section 34 T 33 N
West on a true line

Variation 17° 21' East

21 00 Drain, Course SE

40 00 Set a Granite Bowlder 16 in. long 9 in. wide and 7 in. thick for a quarter Section corner

80 00 Set a Granite Bowlder 18 in. long 12 in. wide and 8 in. thick for a corner to sections 33 and 34 T 33 N

Land rolling prairie
Soil 1st rate

Eighth Standard Parallel North

R 2 W.

Along the South Boundary of Section 33 T 33 N
West on a true line

Variation 13° 30' East

40 00 Set a Granite Bowlder 18 in. long 7 in. wide and 4 in. thick for a quarter section corner

65 50 Drain, Course North

80 00 Set a Granite Bowlder 17 in. long 15 in. wide and 5 in. thick for a corner to sections 32 and 33 T 33 N

Land rolling prairie
Soil 1st rate

Compared the measuring chains with the standard and found them correct

August 27th 1858

Eighth Standard Parallel North

R 2 W

Along the South Boundary of Section 32 T 33 N
West on a true line

Variation 13° 30' East

4 70 Drain, Course North

35 00 Summit of a ridge bearing NW and SE

40 00 Set a Granite Bowlder 16 in. long 9 in. wide and 6 in. thick for a quarter section corner

73 40 Drain, Course NW

80 00 Set a Granite Bowlder 16 in. long 12 in. wide and 4 in. thick for a corner to sections 31 and 32 T 33 N

Land hilly prairie
Soil 2d rate

Eighth Standard Parallel North
R 2 W

Along the South Boundary of Section 31 T33 N
West on a true line

Variation 12° 50′ East

19 05 Branch 5 links wide runs North
40 00 Set a Granite Bowlder 17 in. long 8 in. wide and 6 in. thick for a quarter Section corner
42 00 Branch 15 links wide, Course NE
44 90 Same branch 15 links wide, Course SE
48 10 Same branch 15 links wide, Course North
66 80 Drain, Course SE
76 50 Point of a hill sloping SE
80 00 Set a Granite Bowlder 22 in. long 16 in. wide and 12 in. thick in a Mound of Stones as per instructions for a corner to Sections 31 and 36 T33 N. Ranges 2 and 3 West

Land hilly prairie
Soil 2d rate

Eighth Standard Parallel North
R 3 W

Along the South Boundary of Section 36 T33 N R3 W
West on a true line

Variation 13° 55′ East

40 00 Set a Granite Bowlder 16 in. long 12 in. wide and 6 in. thick for a quarter Section corner
80 00 Set a Granite Bowlder 19 in. long 11 in. wide and 10 in. thick for a corner to Sections 35 and 36 T33 N

Land rolling prairie
Soil 1st rate

Eighth Standard Parallel North
R 3 W

Along the South Boundary of Section 35 T 33 N
West on a true line

Variation 13° 10' East

40 00 Set a Granite Bowlder 16 in. long 10 in wide and 9 in. thick for a quarter section corner
63 60 Drain, Course North
80 00 Set a Granite Bowlder 24 in. long 10 in. wide and 4 in. thick for a corner to sections 34 and 35 T 33 N

Land rolling prairie
Soil, good 2d. rate

Eighth Standard Parallel
R 3 W

Along the South Boundary of Section 34 T 33 N
West on a true line

Variation 13° 00' East

8 50 Drain, Course North
14 50 Summit of a ridge bearing N. and S.
23 80 Drain, Course North
40 00 Set a Granite Bowlder 24 in. long 10 in. wide and 5 in. thick for a quarter section corner
61 50 Summit of a ridge bearing N. and S.
80 00 Set a Granite Bowlder 32 in. long 10 in. wide and 5 in. thick for a corner to Sections 33 and 34 T 33 N

Land hilly prairie
Soil; good 2d. rate

Eighth Standard Parallel North
R 3 W

Along the South Boundary of Section 33 T33 N
West on a true line

Variation 13°00' East

3 00 Drain, Course North
11 00 Top of a conical hill
33 00 Drain, Course North
38 00 Point of a hill sloping North
40 00 Set a Granite Bowlder 12 in. long 8 in. wide and 5 in. thick for a quarter section corner
62 50 Ravine 100 links wide 15 feet deep, Course N W
71 20 Branch 8 links wide, runs North
80 00 Set a Granite Bowlder 20 in. long 12 in. wide and 8 in. thick for a corner to Sections 32 and 33 T33 N

Land hilly prairie
Soil 3d rate
Scattering Burr Oak and Elm timber on the Ravines and branch

Eighth Standard Parallel North
R 3 W

Along the South Boundary of Section 32 T33 N
West on a true line

Variation 13°03' East

11 00 Summit of a ridge bearing N. and S.
25 50 Drain, Course North
34 00 Point of a hill sloping SE
40 00 Set a Granite Bowlder 14 in. long 10 in. wide and 8 in. thick for a quarter section corner
76 00 Branch 5 links wide, skirted with timber) course North
76 82 A Burr Oak 6 in. dia.
80 00 Set a Granite Bowlder 32 in. long 16 in. wide and 12 in. thick for a corner to sections 31 and 32 T33 N

Land hilly prairie
Soil 2d rate
Scattering Burr Oak timber on the branch

Eighth Standard Parallel North
R 3 W

Along the South Boundary of Section 31 T33 N
West on a true line

Variation 13° 00' East

8 00 Summit of a ridge bearing N. and S.
18 20 Ravine 80 links wide, 30 feet deep, Course NW
20 84 A Burr Oak 8 in. dia.
20 90 Ravine 100 links wide 25 feet deep, Course N
40 00 Set a Granite Bowlder 19 in. long 11 in. wid and 7 in. thick for a quarter section corner
41 00 Point of a high bluff sloping North
50 00 Deep hollow Course NW
58 00 Summit of a high ridge, bearing NW and
80 00 Set a Sand Stone 17 in. long 11 in. wide and 10 in. thick for a corner to Sections 31 and 36 T 33 N. Ranges 3 and 4 West

Land chiefly prairie, 1st 58.00 chains very hil and broken; Soil 3d rate:— the remainder gent rolling; Soil 3d rate

Burr Oak and Elm timber skirting the bank of the ravines

Eighth Standard Parallel North
R 4 W

Along the South Boundary of Section 36 T33 N. R4 W.
West on a true line

Variation 13° 00' East

37 50 Range of high hills bearing N 20° E and S 20° W
40 00 Set a Granite Bowlder 16 in. long 8 in. wide and 4 in. thick for a quarter section corner
43 20 Deep hollow, Course SW
48 60 Summit of a ridge bearing N 25° E and S 25° W
61 00 Ravine 250 links wide, 50 feet deep, Course N 20° W. — Leave prairie and enter timber bearing N. and S.
68 40 Ravine 350 links wide 50 feet deep, Course North
70 50 Branch 5 links wide runs North
73 00 Leave timber and enter prairie, bearing N. and S.
78 25 Summit of a ridge bearing N. and S.
80 00 Set a Granite Bowlder 20 in. long 8 in. wide and 4 in. thick for a corner to sections 35 and 36 T 33 N

Land hilly and broken; Soil 3d rate

Timber, Burr Oak, Elm, Linn and Cedar

Eighth Standard Parallel North
R 4 W

Along the South Boundary of Section 35 T 33 N
West on a true line

Variation 13° 00' East

7 20 Ravine 100 links wide 20 feet deep, Course N 20°
22 00 Ravine 50 links wide 10 feet deep, Course Nort
39 00 Summit of a range of high hills bearing NW and
40 00 Set a Granite Bowlder 18 in. long 11 in. wide and 8 in. thick for a quarter section corner
62 50 Drain, Course SE
80 00 Set a Granite Bowlder 15 in. long 12 in. wide and 8 in. thick for a corner to Sections 34 and 35 T 33 N.

Land prairie; East ½ hilly and broken Soil 3d. rate – the balance rolling soil 1st ra

Compared the measuring chains with the standard and found them correct

August 28th 1858

Eighth Standard Parallel North
R 4 W

Along the South Boundary of Section 34 T 33 N
West on a true line

Variation 12° 45' East

13 20 Drain, Course SE
40 00 Set a Granite Bowlder 16 in. long 8 in. wide and 8 in. thick for a quarter section corner
63 30 Drain, Course S 30° W
73 00 Drain, Course SE
80 00 Set a Granite Bowlder 16 in. long 10 in. wide and 6 in. thick for a corner to sections 33 and 34 T 33 N

Land rolling prairie
Soil 1st rate

Eighth Standard Parallel North
R 4 W

Along the South Boundary of Section 33 T 33 N
West on a true line

Variation 12° 45' East

40 00 Set a Granite Bowlder 12 in. long 10 in. wide and 6 in. thick for a quarter section corner

80 00 Set a Granite Bowlder 17 in. long 10 in wide and 8 in. thick for a corner to sections 32 and 33 T 33 N

Land hilly prairie
Soil 2d rate

Eighth Standard Parallel North
R 4 W.

Along the South Boundary of Section 32 T 33 N
West on a true line

Variation 12° 45' East

9 00 Drain, Course South

40 00 Set a Granite Bowlder 14 in. long 8 in. wide and 6 in. thick for a quarter section corner

42 80 Drain, Course S W

53 70 Same drain, Course N 60° W

63 00 Same drain, Course S 60° W

74 10 Branch 10 links wide, Course S W

80 00 Set a Granite Bowlder 16 in. long 10 in. wide and 5 in. thick for a corner to sections 31 and 32 T 33 N

Land hilly prairie
Soil 2d rate

Eighth Standard Parallel North
R 4 W

Along the South Boundary of Section 31 T 33 N
West on a true line

Variation 12° 45' East

40 00 Set a Granite Bowlder 14 in. long 10 in. wide and 6 in. thick for a quarter section corner
59 00 Summit of a ridge bearing N.E. and S.W.
80 00 Set a Post with a charred stake, trench and elevation as per instructions for a corner to Sections 31 and 36 Township 33 North, Ranges 4 and 5 West from which
A. Cotton Wood 14 in. dia. bears N 58° E 95 links distant
No other trees suitable to mark
Land prairie; East ½ rolling – West ½ hilly
Soil 2d. rate

Eighth Standard Parallel North
R 5 W

Along the South Boundary of Section 36 T 33 N R 5 W
West on a true line

Variation 12° 45' East

3 10 Branch 5 links wide, Course S W
17 60 Drain, Course South
23 00 Summit of a ridge bearing NW and SE
33 00 Ravine 60 links wide 10 feet deep, Course S 30° W
40 00 Set a Granite Bowlder 13 in. long 8 in. wide and 6 in. thick for a quarter section corner
51 00 Summit of a ridge bearing N. and S.
72 60 Branch 5 links wide, Course S W
77 50 Ridge bearing N 20° E and S 20° W
80 00 Set a Granite Bowlder 18 in. long 12 in. wide and 4 in. thick for a corner to Sections 35 and 36 T 33 N

Land hilly prairie
Soil 2d rate

Eighth Standard Parallel North
R 5 W.

Along the South Boundary of Section 35 T33 N
West on a true line

Variation 12°45' East

1 80 Drain, Course South
14 50 Summit of a ridge bearing NW and SE
19 50 Drain, Course SE
25 50 Summit of a ridge bearing NW and SE
34 60 Drain, Course SE
40 00 Set a Granite Bowlder 12 in. long 10 in. wide and 5 in. thick for a quarter section corner
48 00 Summit of a ridge bearing N. and S.
59 70 Drain, Course SW
69 50 Point of a hill sloping South
80 00 Set a Granite Bowlder 12 in. long 10 in. wide and 9 in. thick for a corner to sections 34 and 35 T33 N

Land hilly prairie
Soil 2d. rate

Eighth Standard Parallel North
R 5 W.

Along the South Boundary of Section 34 T33 N
West on a true line

Variation 12°45' East

3 50 Drain, Course South
12 00 Point of a hill sloping SE
20 70 Drain, Course SE
33 00 Summit of a ridge bearing NW and SE
40 00 Set a Granite Bowlder 13 in. long 9 in. wide and 6 in. thick for a quarter section corner
59 00 Drain, Course SW
80 00 Set a Granite Bowlder 16 in. long 10 in. wide and 8 in. thick for a corner to Sections 33 and 34 T33 N

Land hilly prairie
Soil 2d. rate

Eighth Standard Parallel North
R 5 W

Along the South Boundary of Section 33 T33 N R5 W West on a true line

Variation 12°45' East

4 00 Summit of a range of high hills bearing NE and S

13 00 Deep hollow course N W

40 00 Set a Granite Bowlder 20 in. long 8 in. wide and 4 in. thick for a quarter Section corner

53 00 Summit of a ridge bearing NE and SW

64 00 Leave hills and enter bottom bearing S25° W and N25° E

70 40 Wagon Road bearing S25° W and N25° E

71 68 Intersected the right bank of Missouri River bearing S25° W and N25° E, and set a Granite Bo=der 20 in. long 16 in. wide and 6 in. thick for a M=ander Corner to mark the intersection of the Par with the river bank, being also the South West cor of fractional section 33 T33 N R5 W.

Land prairie; 1st 64.00 chains hilly and broken; soi 2d rate — the balance level bottom subject to inu=undation; soil 1st rate.

Eighth Standard Parallel North
R 5 W.

Variation of the needle at the meander corner 12°45' East

Compared the measuring chains with the Standard and found them correct

August 29th 1858

General Description

The country over which this line passes is chiefly prairie and generally hilly, broken by ravines and watered by small branches flowing into the Miss==souri river. The soil is on an average of fair quality varying from first to second rate, but the surface is too uneven to make the land desirable for agricultural purposes (as a whole). Many excellent farms might however be opened in the valleys of the branches and on the low lands adjacent to the Missouri. Timber is scarce immediately on the line, but there is an abundance along the river

Eighth Standard Parallel North

in the ravines, among the hills and on the branc
to improve the tillable lands.

Sand Stone were found between the Missouri
Niobrarah or Running water rivers in cons
-erable quantities; and Granite Bowlders upon
tops and slopes of the hills between the Principa
Meridian and the first Intersection of the Para
with the river west of it.

Several settlements have been started on the
Missouri in the vicinity of this line all of wh
appear to be in a prosperous condition.

Eighth Standard Parallel North

List of Names

A List of the names of the individuals employed to assist in running, measuring and marking the lines and corners described in the foregoing field-notes of the Eighth Standard Parallel North of the Base Line, between the Sixth Principal Meridian and the "First Guide Meridian West", showing the respective capacities in which they acted;

Edwin R Capron	Fore-chainmen
Peter V Van Norstran	
Samuel Saunders	Rear-chainmen
Joseph A Smith	
Henry E Kingsbury	Fore-Flagman
Daniel C Mc. Carthy	Rear-Flagman
William D Church	Axeman

Eighth Standard Parallel North

We hereby certify that we assisted Charles A Manners, deputy surveyor, in Surveying the Eighth Standard Parallel (in the Territory of Nebraska) North of the Base Line between the Sixth Principal Meridian and the "First Guide Meridian West," 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

Edwin R. Capron } Fore-chainmen
Peter V. Van Nostran }
Joseph A. Smith } Rear-chainmen
Samuel Saunders }

Henry E Kingsbury Fore-Flagman
Daniel C McCarthy Rear-Flagman
William D Church Axeman

Subscribed and sworn to by the above named persons, before me, Probate Judge for Cedar County Nebraska territory this 21st day of September 1858

E. W. Meech Probate

Eighth Standard Parallel North

I, Charles A Manners, 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 Second day of July 1858, 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 Eighth Standard Parallel North of the Base Line, between the Sixth Principal Meridian and the "First Guide Meridian West," in the Territory aforesaid, and do further solemnly swear that the foregoing are the true and original Field-Notes of such Survey

Charles A Manners
Deputy Surveyor

Subscribed by said Charles A Manners, deputy Surveyor, and sworn to before me, Probate Judge for Cedar County, Nebraska Territory this 21st day of September 1858

E. W. Meech Probate Judge

Surveyor Generals Offi
Nebraska City N.T. Oct

The foregoing field notes of the survey of the E
Standard Parallel North of the Base Line between
Townships Thirty two and Thirty three North, f
the First Guide Meridian West. East to the Mis
river and from the Sixth Principal Meridian We
the same stream in the Territory of Nebr
executed by Charles A Manners under his
Contract of the second day of July 1858, i
month of August of same year, having
Critically examined the necessary correct
explanations made, the said field notes and the survey
describe are hereby approved

Ward B. Burne
Surveyor General

S
S. P. N.
W
6th P. M
TO
4. G. M. W.

4

Field Notes

of the Survey of the Eighth Standard Parallel North of the Base Line, between Townships 32 and 33 North from the "First Guide Meridian West" East to the Missouri river ~~and from the Sixth Principal Meridian West to the same stream~~, in the Territory of Nebraska, as surveyed by

Charles A Manners
Deputy Surveyor

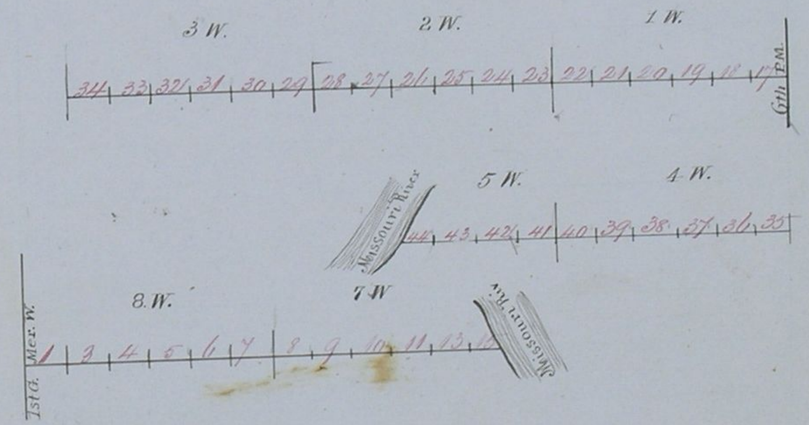
under his contract 232 dated July 2d 1858

Commenced August 21st 1858
Completed August 29th 1858

Names and duties of assistants.

Edwin R. Capron	Fore-chainmen
Peter V. Van Norstran	Fore-chainmen
Samuel Saunders	Rear-chainmen
Joseph A. Smith	Rear-chainmen
Henry E. Kingsbury	Fore-Flagman
Daniel C. McCarthy	Rear-Flagman
William D. Church	Axeman

Index to 8th Stand. Parallel



UNITED STATES OF AMERICA,
TERRITORY OF Nebraska

I, Edwin R Capron do solemnly swear that I will execute the duties of chain carrier; that I will level the chain upon uneven ground, and plumb the tally pins, whether by sticking or dropping the same; that I will report the true distance to all notable objects; and the true length of all lines that I assist in measuring, to the best of my skill and ability.

Edwin R. Capron

Subscribed and sworn to before me this 12th day of July A. D. 1858

~~Justice of the Peace.~~

S. Howard Calhoun,
U. S. Deputy Surveyor

UNITED STATES OF AMERICA,
TERRITORY OF Nebraska

I, Peter V Van Norstran do solemnly swear that I will execute the duties of chain carrier; that I will level the chain upon uneven ground, and plumb the tally pins whether by sticking or dropping the same; that I will report the true distance to all notable objects; and the true length of all lines that I assist in measuring according to the best of my skill and ability.

Peter V. Van Norstran

Subscribed and sworn to before me this 12th day of July A. D. 1858

~~Justice of the Peace.~~

S. Howard Calhoun
U. S. Deputy Surveyor

UNITED STATES OF AMERICA,
TERRITORY OF Nebraska

I, Henry E Kingsbury do solemnly swear that I will well and truly perform the duties of Flagman according to instructions given me, and to the best of my skill and ability.

Henry E. Kingsbury

Subscribed and sworn to before me this 12th day of July A. D. 1858

S. Howard Calhoun ~~Justice of the Peace.~~
U. S. Deputy Surveyor

UNITED STATES OF AMERICA,
TERRITORY OF Nebraska

I, Daniel C Mc Carthy do solemnly swear that I will well and truly perform the duties of Flagman according to instructions given me, and to the best of my skill and ability.

Daniel C. Mc Carthy

Subscribed and sworn to before me this 12th day of July A. D. 1858

S. Howard Calhoun ~~Justice of the Peace.~~
U. S. Deputy Surveyor.

UNITED STATES OF AMERICA,
TERRITORY OF Nebraska

I, Samuel Saunders — do solemnly swear that I will execute the duties of chain carrier; that I will level the chain upon uneven ground, and plumb the tally pins, whether by sticking or dropping the same; that I will report the true distance to all notable objects; and the true length of all lines that I assist in measuring, to the best of my skill and ability.

Samuel Saunders

Subscribed and sworn to before me this 12th — day of July — A. D. 1858

S. Howard Calhoun ~~Justice of the Peace.~~
U. S. Deputy Surveyor

UNITED STATES OF AMERICA,
TERRITORY OF Nebraska —

I, Joseph A Smith do solemnly swear that I will execute the duties of chain carrier; that I will level the chain upon uneven ground, and plumb the tally pins whether by sticking or dropping the same; that I will report the true distance to all notable objects; and the true length of all lines that I assist in measuring according to the best of my skill and ability.

Joseph A. Smith

Subscribed and sworn to before me this 12th day of July — A. D. 1858

~~Justice of the Peace.~~
S. Howard Calhoun
U. S. Deputy Surveyor

UNITED STATES OF AMERICA,
TERRITORY OF Nebraska

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

William D. Church

Subscribed and sworn to before me this 12th day of July A. D. 1858

S. Howard Calhoun ~~Justice of the Peace.~~
U. S. Deputy Surveyor

UNITED STATES OF AMERICA,
TERRITORY OF

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

Subscribed and sworn to before me this day of A. D. 185

S. Howard Calhoun Justice of the Peace.
U. S. Deputy Surveyor

Eighth Standard Parallel North
R 8 W

Ascertaining that a considerable portion of this Parallel would fall to the North of the Left bank of the Missouri River and consequently without the limits of the Territory of Nebraska, I therefore proceed, (in the exercise of the discretionary power granted to me by Special Instructions issued from the Office of the Surveyor General of Kansas and Nebraska under date of July 2d 1858,) to run and establish said line from the "First Guide Meridian West" to the right bank of the Missouri River, East on a true line as follows: Viz:

Begin at the Stone Corner to Sections 31 and 36 Township 33 North, Ranges 8 and 9 West of the 6th principal Meridian and run thence Along the South Boundary of Section 31 T33 N R8 W East on a true line

Variation 13° 00' East

21	31	Stone corner to Sections 1 and 6 T 32 N. Ranges 8 and 9 West
35	00	Drain, Course North

Eighth Standard Parallel North
R 8 W

40 00 Set a Sand Stone 16 in. long 12 in. wide and 3 thick for a quarter section corner

42 20 Drain, Course North

49 70 Drain, Course North

58 40 Ravine 60 links wide 20 feet deep, Course North

65 00 Summit of a ridge bearing N. and S.

80 00 Set a Sand Stone 20 in. long 12 in. wide and in. thick for a corner to Sections 31 and 32 T 33 N.

Land hilly prairie
Soil 2d rate ✓

21.31
58.69

Eighth Standard Parallel North
R 8 W

Along the South Boundary of Section 32 T 33 N
East on a true line

Variation 13° 05' East

8 00 Drain, Course North

18 00 Drain, Course North

33 00 Drain, Course NW

40 00 Set a Sand Stone 24 in. long 16 in. wide and 2 in. thick for a quarter Section corner

54 00 Summit of a ridge bearing N. and S.

65 00 Drain, Course NE

71 40 Drain, Course NW

78 00 Summit of a ridge bearing N. and S.

80 00 Set a Sand Stone 20 in. long 15 in. wide and 4 in. thick for a corner to Sections 32 and 33 T 33 N.

Land hilly prairie
Soil 2d rate

Eighth Standard Parallel North
R 8 W

Along the South Boundary of Section 33 T 33 N
East on a true line

Variation 13° 00' East

23 50 Drain, Course N E
31 00 Drain, Course N 15° W
40 00 Set a Sand Stone 18 in. long 13 in. wide and 3 in. thick for a quarter section corner
51 50 Summit of a ridge bearing N. and S.
55 55 Indian Trail bearing N E and S W
80 00 Set a Sand Stone 21 in. long 14 in. wide and 4 in. thick for a corner to Sections 33 and 34 T 33 N

Land hilly prairie
Soil 2d rate ✓

Eighth Standard Parallel North
R 8 W

Along the South Boundary of Section 34 T 33 N
East on a true line

Variation 13° 00' East

2 00 Drain, Course N E
7 00 Ravine 50 links wide, 20 feet deep, Course S E
21 00 Drain, Course S E
27 00 Point of a ridge sloping S E
32 00 Branch 5 links wide, Course N 30° E
40 00 Set a Sand Stone 20 in. long 15 in. wide and 4 in. thick for a quarter Section corner from which
A Burr Oak 8 in. dia. bears S 65° W 124 links dist
A Burr Oak 6 in. dia. bears N 74½ E 112 links dist
48 30 Point of a hill sloping N W
58 00 Drain, Course N W
80 00 Set a Sand Stone 18 in. long 14 in. wide and 3 in. thick for a corner to Sections 34 and 35 T 33 N

Land hilly prairie: Soil 2d rate
A few scattering scrubby Burr Oak trees near the quarter section corner:- Sand Stone on the hill sides.

Eighth Standard Parallel North.
R 8 W

Along the South Boundary of Section 35 T 33 N
East on a true line

Variation 13° 15' East

40 00 Set a Sand Stone 26 in. long 15 in. wide and 2
thick for a quarter section corner
47 00 Drain, Course SE
56 00 Summit of a ridge bearing NW and SE
70 20 Branch 5 links wide, Course N 30° E
80 00 Set a Sand Stone 20 in. long 15 in. wide and
in. thick for a corner to sections 35 and 36 T
33 N.

Land hilly prairie
Soil 2d. rate

Eighth Standard Parallel North
R 8 W

Along the South Boundary of Section 36 T 33 N
East on a true line

Variation 13° 15' East

9 00 Top of a Stony hill sloping S W
37 00 Drain, Course N 20° E
40 00 Set a Sand Stone 18 in. long 15 in. wide and 4
in. thick for a quarter section corner
45 00 Point of a ridge sloping North
47 80 Drain, Course N 30° W
59 50 Ridge bearing N W and SE
79 30 Drain, Course North
80 00 Set a Sand Stone 27 in. long 15 in. wide and 5 in.
thick in a Mound of Stones as per instructions
for a corner to Sections 31 and 36 Township
33 North, Ranges 7 and 8 West

Land hilly prairie
Soil 2d. rate

Eighth Standard Parallel North
R 7 W

Along the South Boundary of Section 31 T 33 N R 7 East on a true line

Variation 12° 45' East

23 75 Summit of a ridge bearing NE and SW

26 00 Indian Trail leading from the Poncas Village up the Running Water River bearing N 30° E and S 30° W

40 00 Set a Sand Stone 26 in. long 9 in. wide and 3 thick for a quarter section corner

68 20 Branch 5 links wide, runs North

80 00 Set a Sand Stone 28 in. long 18 in. wide and 4 in. thick for a corner to sections 31 and 32 T 33 N

Land hilly prairie
Soil 2d. rate

Eighth Standard Parallel North
R 7 W

Along the South Boundary of Section 32 T 33 N East on a true line

Variation 13° 12' East

3 10 Branch 7 links wide, Course N 20° W

19 00 Summit of a ridge bearing N. and S.

33 00 Drain, Course NW

40 00 Set a Sand Stone 20 in. long 11 in. wide and 4 in. thick for a quarter section corner

52 80 Summit of a ridge bearing N 40° W and S 40° E

62 40 Drain, Course N 40° W

77 00 Summit of a high ridge, bearing NW and SE

80 00 Set a Sand Stone 20 in. long 16 in. wide and 3 in. thick for a corner to sections 32 and 33 T. 33 N

Land hilly prairie
Soil 2d. rate

Eighth Standard Parallel North
R 7 W

Along the South Boundary of Section 33 T 33 N
East on a true line

Variation 13° 20' East

39 50 Drain, Course N 80° E
40 00 Set a Sand Stone 22 in. long 10 in. wide and 3 in. thick for a quarter section corner
54 50 Indian Trail, bearing N 10° E and S 10° W
58 30 Summit of a ridge bearing N 20° W and S 20°
63 10 Drain, Course North
70 00 Summit of a ridge, bearing N. and S.
80 00 Set a Sand Stone 19 in. long 13 in. wide and 4 in. thick for a corner to Sections 33 and 34 T 33 N – The Poncas village about one mile north of this corner

Land hilly prairie
Soil 2d rate

Eighth Standard Parallel North
R 7 W

Along the South Boundary of Section 34 T 33 N
East on a true line

Variation 13° 27' East

30 40 Drain, Course NE
40 00 Set a post, with charred stake, trench and elevation as per instructions for a quarter section corner from which
A Burr Oak 14 in. dia, bears N 8° E 111 links dist
No other tree convenient to mark
44 80 Branch 10 links wide, Course North
68 25 Indian Trail leading from the Poncas Village to the mouth of Running Water river bearing SE and NW
69 00 Top of Missouri River bluffs bearing SE and NW
80 00 Set a Sand Stone 25 in. long 16 in. wide and 3 in. thick with trench and elevation as per instructions for a corner to Sections 34 and 35 T 33 N from which
A Cotton Wood 10 in dia bears S 70° E 105 links dist
A Burr Oak 12 in dia bears S 42° W 249 links dist
No tree on the north side of the line convenient to mark. – –

Eighth Standard Parallel North
R 7 W

Land hilly prairie
Soil 2d. rate
Scattering Burr Oak and Elm timber
Skirting the branch
Compared the measuring chains with the standard and found them correct
August 21st 1858 ✓

Eighth Standard Parallel North
R 7 W

Along the South Boundary of Section 35 T 33 N
East on a true line
Variation 13°00' East

1 40 Enter a Ravine (near its head) 100 links wide, 30 feet deep, Course East

9 50 Mouth of Ravine at the Foot of a range of bluffs averaging from 50 to 100 feet high, and bearing N 55° W and S 55° E – Enter timber and bottom bearing with the bluff

11 55 Creek 60 links wide 5 feet deep, sluggish current Course S 55° E

40 00 Set a Post with a charred stake as per instructions for a quarter section corner from which
A Cotton Wood 24 in. dia. bears S 15° W 49 links dist
A Cotton Wood 22 in. dia. bears N 15° E 62 links dist

40 66 A Cotton Wood 26 in. dia.

80 00 Set a Post and deposited a charred stake as per instructions for a corner to sections 35 and 36 T 33 N from which
A Cotton Wood 20 in. dia, bears S 41° E 31 links dist

Eighth Standard Parallel North
R 7 W

A Cotton Wood 18 in. dia. bears N 15½° W 63 links
A Cotton Wood 24 in. dia. bears S 34° W 67 links
A Cotton Wood 28 in. dia. bears N 28° E 75 links
Land; 1st 10.00 chains hilly and broken; 2d rate – the balance level bottom subject inundation – unfit for cultivation
Timber, Cotton Wood, Burr Oak and Cedar
Undergrowth, young willows and vines

Eighth Standard Parallel North
R 7 W

Along the South Boundary of Section 36 T 33 N
East on a true line
Variation 13°00' East

0 35 Indian Trail bearing N. and S.
0 40 A Cotton Wood 24 in. dia.
8 27 A Cotton Wood 26 in. dia.
14 24 Intersected the right bank of Missouri River bearing N 15° W and S 25° E, and set a Post with a charred stake, trench and elevation as per instructions for a Meander Corner at the South East corner of Section 36 T 33 N R 7 W (the same being also to mark the intersection of the Standard Parallel with the river bank) from which
A Cotton Wood 20 in. dia. bears N 45½° W 93 links dist
A Cotton Wood 26 in. dia. bears S 24½° E 237 links dist
No other tree convenient to mark
Variation of the Needle 13°00' East

The river at this point estimated at 1¼ miles wide.
Land, level bottom subject to inundation and unfit for cultivation,

Eighth Standard Parallel North
R 7 W

Timber chiefly Cotton Wood
Undergrowth, young Willows and vines
Compared the measuring chains with the Standard and found them correct
August 22d 1858

We hereby certify that we assisted Charles A Manners, Deputy Surveyor, in surveying the Eighth Standard Parallel (in the Territory of Nebraska) North of the Base Line between the 6th Principal Meridian and the "First Guide Meridian West" 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.

Edwin R. Capron — Store-chainman
Peter V. Van Nostrand — "
Joseph A. Smith — Rear chainman
(Signed) Samuel Saunders — "
Henry E. Kingsbury — Store-flagman
Daniel C. McCarthy — Rear flagman
William S. Church — axeman

Subscribed and sworn to by the above named persons before me Probate Judge for Cedar County Nebraska Territory this 21st day of September 1858

(Signed) E. W. Meech. Probate Judge

I Charles A. Manners, 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 2d day of July 1858 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 Eighth Standard Parallel North of the Base line, between the Sixth Principal Meridian and the "First Guide Meridian West" in the Territory aforesaid, and do further solemnly swear that the foregoing are the true and original field notes of such survey.

(Signed) Charles A. Manners
Deputy Surveyor

Subscribed by said Charles A. Manners, Deputy Surveyor and sworn to before me. Probate Judge for Cedar County, Nebraska Territory this 21st day of September 1858.

(Signed) E. W. Meech Probate Judge

Surveyor Generals Office
Nebraska City, N. T.

I hereby certify that the foregoing are the original field notes of the Eighth Standard Parallel North, from the First Guide Meridian West, East to the Missouri River and the affidavits correct transcripts of the originals on file in this office, as returned by Charles A. Manners, Deputy Surveyor.

Mark W. Delahay
Surveyor General of
Kansas & Nebraska.

C

Field Notes
of the

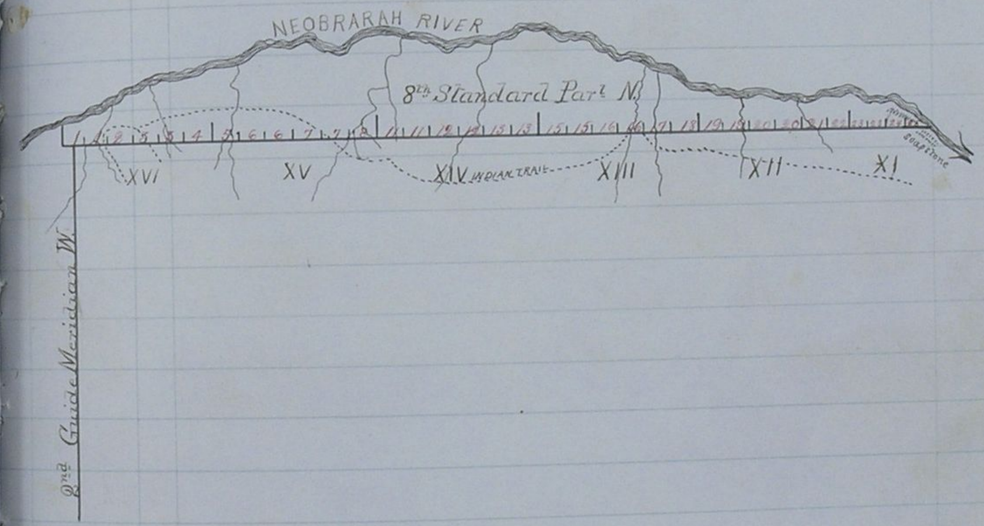
8th Standard Parallel North, from the 2nd Guide Meridian West, East to the Neobrarah River, surveyed by H.C.F. Hackbusch, Deputy Surveyor, under joint contract No 313, dated May 12th, 1865, wherein H.C.F. Hackbusch and Robt. Armstrong are joint contractors.—

Survey:

commenced August 17th, 1865
completed August 20th, 1865

Names and duties of assistants.

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



South Boundary of T. 33 N. R. 11 West

East, along the South side of sec. 31
Va. 14° 6' East

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

80.00 Set post, deposited charred stake and raised mound with pits as per instructions for corner to secs. 31 and 32
Land rolling; soil 3rd rate

East, along the South side of sec. 32
Va. 14° 4' East

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

80.00 Set post, deposited charred stake and raised mound with pits as per instructions for corner to secs. 32 and 33
Land rolling; soil 2nd rate

South Boundary of T 33 N. R 11 West

East along the south side of Sec. 33,
Va 14° 5' East

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

6200 Leave rolling prairie and enter timbered bottom bears N. W and S. E.

6400 Enter swamp. bears N. W and S. E.

7200 Leave swamp bears N. W and S. E

8000 Set post: deposited charred stake for Cor. to Sec. 33 and 34.

From which A Cottonwood 12 in dia. bears N 0:30' East dist. 100 links

A Cottonwood 12 in. dia. bears N 7¼ W. dist. 104 links

Land mostly rolling Soil 2nd rate

Bottom marshy and wet

Timber Cottonwood. Willow and Ash.

Undergrowth same and Dogwood

South Boundary of T 33 N Range 11 W.

East along the South side of Sec 34
Va 14° 5' E

6 30 To Pond bears W 10° N and S 10° E 80 lks wide

23 60 To the Right Bank of Niobrara River runs South 45° E. where

Set post and made pit 6 ft N of the cor for cor to fractional Sec 34 from which

A Cottonwood 12 in dia bears N 70° W distance 57 lks

The bank of the River is low and Sandy with a large Sand bank in front.

Land level bottom sometimes subject to inundation from 6 to 12 inches.

Timber Cottonwood and Willow

Undergrowth some Dogwood vines

Aug 20th 1865.

South Boundary of T. 33 N. R. 12 West

East, along the South side of sec. 31
Va. 14° 5' East

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

80.00 Set post, deposited charred stake and raised mound with pits as per instructions for corner to secs. 31 and 32
Land rolling; soil sandy
August 19th 1865

East, along the South side of sec. 32
Va. 14° 6' East

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

48.10 To Creek, 10 lks. wide, runs North, course few scattering trees, and brush on the banks. — 32 and 33

80.00 Set post, deposited charred stake and

raised mound with pits as per instructions for corner to secs. 32 and 33
Land rolling; soil 3rd rate
Timber: Bur. Oak, Cottonwood and Ash,
Brush the same

East, along the South side of sec. 33
Va. 14° 5' East

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

80.00 Set post, deposited charred stake and raised mound with pits as per instructions for corner to secs. 33 and 34
Land gently rolling; soil 3rd rate

East, along the South side of sec. 34
Va. 14° 5' East

40.00 Set post, deposited charred stake and raised mound with pits as per in-

structions for 1/4 sec. corner

80.00 Set post, deposited charred stake and raised mound with pits as per instructions for corner to secs. 34 and 35
Land rolling; soil 3rd rate

East, along the South side of sec. 35
Va. 14° 6' East

26.00 Leave prairie and enter scattering timber, bears N. E. and S. W.

35.00 To center of deep Ravine, bears North

40.00 The point for 1/4 sec. cor. on side of steep bank, where the same cannot be permanently established, I, therefore, 35 lks. East of the true point, or at

40.35 Set a post for 1/4 sec. witness corner, from which
A. Bur Oak, 6 in. dia. bears N. 48° 40' W. 21 lks. dist
A Bur Oak, 5 in. dia. bears N. 48 1/2° E. 112 lks. dist

43.85 To spring branch, 4 lks. wide, runs N. W.

South Boundary of T. 33 N. R. 12 W.

45.00 Leave timber and enter prairie, bears N. and S.
80.00 Set post, deposited charred stake and raised mound with pits as per instructions for corner to secs. 35 and 36
Land rolling; soil 3rd rate
Timber Burr oak and ash

East, along the South side of sec. 36
Va. 14° 8' East

40.00 Set post, deposited charred stake and raised mound with pits as per instructions for 1/4 sec. corner
80.00 Set post, deposited charred stake and raised mound with pits as per instructions for corner to secs. 31 and 36 and Townships 33 N. of Ranges 11 and 12 West
Land gently rolling; soil 3rd rate

South Boundary of T. 33 N. R. 13 West

East, along the South side of sec. 31
Va. 14° 6' East

40.00 Set post, deposited charred stake and raised mound with pits as per instructions for 1/4 sec. corner
80.00 Set post, deposited charred stake and raised mound with pits as per instructions for corner to secs. 31 and 32
Land hilly; soil sandy and unfit for cultivation.

East, along the South side of sec. 32
Va 14° 6' East

Could not correctly ascertain the variation for this line, as some local attraction kept the needle from settling.
40.00 Set post, deposited charred stake and raised mound with pits as per instructions for 1/4 sec. cor.
80.00 Set post, deposited charred stake and

South Boundary of T. 33 N. R. 13 West

raised mound with pits as per instructions for corner to secs. 32 and 33
Land rolling; soil sandy 3rd rate

East, along the South side of sec. 33
Va. 14° East

40.00 Set post, deposited charred stake and raised mound with pits as per instructions for 1/4 sec. corner
80.00 Set post, deposited charred stake and raised mound with pits as per instructions for corner to secs. 33 and 34
Land rolling; soil sandy

East, along the South side of sec. 34
Va. 14° East

26.00 Leave prairie and enter scattering trees and brush, bears N. and S.
29.50 To Indian trail, bears N.E. & S.W.
36.50 To Creek, 15 lks. wide, runs N.E.

South Boundary of T. 33 N. R. 13 West

37.30 To bend of same Creek, comes from the N.W.
37.80 Leave bend of Creek, runs North
40.00 Set post, deposited charred stake and raised mound with pits as per instructions for 1/4 sec. corner
No trees within 300 links of the corner
44.00 Leave scattering timber, bears N. & S.
49.80 To Indian trail, bears N.W. and S.E.
54.35 A Ravine, bears N.W.
80.00 Set post, deposited charred stake and raised mound with pits as per instruction for corner to secs. 34 and 35
Land broken; soil 3rd rate
Timber: Bur Oak

East, along the South side of sec. 35
Va. 14° 5' East

36.67 To Creek, 15 lks. wide, runs North, some few Oak and Willow bushes on banks
40.00 Set post, deposited charred stake and raised

South Boundary of T. 33 N. R. 13 W.

mound with pits as per instructions for 1/4 sec. cor.

80.00 Set post, deposited charred stake and raised mound with pits as per instructions for cor. to secs. 35 and 36

Land rolling; soil 3rd rate

East, along the South side of sec. 36

Va. 14° 6' East

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

80.00 Set post, deposited charred stake and raised mound with pits as per instructions for corner to secs. 31 and 36 and Townships 33 N. of Ranges 12 & 13 W.

Land gently rolling; soil sandy 3rd rate

South Boundary of T. 33 N. R. 14 West

East, along the South side of sec. 31

Va. 14° 6' East

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

70.10 To the head of a branch, 20 lks. wide, runs N.

80.10 Set post, deposited charred stake and raised mound with pits as per instructions for corner to secs. 31 and 32

Land rolling; soil 3rd rate

August 18th, 1865

East, along the South side of sec. 32

Va. 14° 8' East

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

80.00 Set post, deposited charred stake and raised mound with pits as per instructions for corner to secs. 32 and 33

South Boundary of T. 33 N. R. 14 W.

Land rolling; soil 3rd rate

East, along the South side of sec. 33
Va. 14° 6' East

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

80.00 Set post, deposited charred stake and raised mound with pits as per instructions for corner to secs. 33 and 34

Land rolling; soil sandy 3rd rate

East, along the South side of sec. 34
Va. 14° 6' East

5.90 A Ravine, bears N. E.

32.00 To spring branch, 3 lks. wide, runs N. 85 E. soon turns North; some willow and Ash branch along banks

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

South Boundary of T. 33 N. R. 14 West

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

Land broken; soil sandy and worthless

East, along the South side of sec. 35
Va. 14° 5' East

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

80.00 Set post, deposited charred stake and raised mound with pits as per instructions for corner to secs. 35 and 36

Land hilly; soil sandy and unfit for cultivation

East, along the South side of sec. 36
Va. 14° 5' East

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

South Boundary of T. 33 N. R. 14 W.

sec. corner

80 00 Set post, deposited charred stake and raised mound with pits as per instructions for corner to secs. 31 and 36 and Twnships 33 N. of Ranges 13 and 14 West.

Land hilly; soil sandy and unfit for cultivation

South Boundary of T. 33 N. R. 15 West

East along the South side of Sec 31
Va 14° 06' East

34 50 Leave prairie and enter scattering timber bears N and S.

36 60 A Spring branch 3 links wide runs N. E.

38 00 Leave scattering timber and enter prairie bears N and S.

40 00 Set a post and deposited charred stake and made a pit as per instructions for 1/4 Sec. Cor. From which A Burroak 10 dia. bears N. 56½ W. dist 207 links. No other tree convenient to mark.

44 00 Leave prairie and enter timber bears N & S.

47 30 To a Creek of clear water 15 links wide runs North.

55 00 Leave timber and enter prairie bears N and S.

South Boundary of T. 33. R. 15 West

59.80 A brushy Ravine bears N.W.
80.00 Set post. deposited charred stake and raised a mound with pits as per instructions for corner to Sec. 31 and 32.
Land rolling Soil 2nd rate
Timber. Burroak and ash.

East along the South side of Sec. 32
Va 14° 06' E
40.00 Set a post. deposited charred stake. and raised a mound with pits as per instructions for 1/4 Sec. C
80.00 Set post. deposited charred stake and raised a mound with pits as per instructions for cor. to Sec. 32 & 33
Land rolling Soil 2nd rate

East. along the South side of Sec. 33
Va 14° 06' East

South Boundary of T. 33. R 15 West

40.00 Set post. deposited charred stake and raised a mound with pits as per instructions for 1/4 Sec. Cor.
80.00 Set a post. deposited charred stake and raised mound with pits as per instructions for. cor. to Sec. 33 & 34
Land rolling Soil 2nd rate

East. along the South side of Sec. 34
Va 14° 07' East
40.00 Set post. deposited charred stake and raised a mound with pits as per. instructions for 1/4 Sec. Cor.
80.00 Set post. deposited charred stake and raised a mound with pits as per instructions for. corner to Sec. 34 & 35
Land rolling Soil 2nd rate.

East along the South side of Sec. 35
Va 14° 7' East

South Boundary of T. 33. R 15. West

1.20 An Indian trail. bears N.W. and S.E.
40.00 Set a post, deposited charred stake and raised mound with pits as per instructions for 1/4 Sec. Cor.
41.90 A Ravine. bears S.E., a small body of timber. bears S.E. distance about 8 chains
80.00 Set post deposited charred stake raised a mound with pits as per instructions for Corner. to Sec. 35 & 36
Land rolling Soil 2nd rate
Timber Burouk and Ash.

East. along the South side of Sec. 36.
Va 14°. 07' East

0.34 To a creek. 18 links wide runs North general course N.E. water clear. and 12 in. deep. Willow and Plum bushes on banks. Some scattering Burouk and Cottonwood trees 5 chains above

South Boundary of T. 33 N. R 15 West

and below the line
7.63 To bend of same Creek comes N.W.
8.85 Leave bend of 1st Creek runs N.E. scattering trees on banks
17.00 Leave prairie and enter scattering timber bears N and E.
17.80 To Spring branch 3 links wide runs N.
22.00 Leave timber and enter prairie bears N.E and S.W.
40.00 Set post deposited charred stake and raised mound with pits as per instructions for 1/4 Sec. Cor.
63.23 A Spring branch 4 links wide runs N.W.
80.00 Set post deposited charred stake and raised mound with pits as per instructions for cor. to Townships 33 N. of Ranges 14 and 15 West

South Boundary of T 33 N. R 15 West

and Sections 31 and 36.
Land rolling Soil 2nd rate
Timber Burr oak. Cottonwood and Ash

South Boundary of T. 33 N. R. 16 West

Begin at the established standard corner to Townships 33 N. of Ranges 16 and 17 W. and secs. 31 and 36, and run, as per special instructions, East on a true parallel of latitude on the South Boundary of T. 33 N. R. 16 W.
East, along the South side of sec 31
Va. 14° 6' East by Burt's Solar Compass

40.00 Set post, deposited charred stake and raised mound with pits as per instructions for 1/4 sec. corner
42.62 The closing corner to T.s 32 N. R.s 16 and 17 W.
80.00 Set post, deposited charred stake and raised mound with pits as per instructions for corner to secs. 31 and 32
Land rolling; soil 3rd rate

East, along the South side of sec. 32
Va. 14° 6' East

23.00 Leave prairie and enter timber, bears N. and S.

South Boundary of T. 33 N. R. 16 West

32.45 To spring branch, 5 lks. wide, runs N.E.
40.00 Set post for 1/4 sec. corner, from which
A Bur Oak, 8 in. dia. bears N. 75½ E. 67 lks. dist.
A Bur Oak, 4 in. dia. bears N. 57¾ W. 121 lks. dist
44.90 To a Creek, 8 lks. wide, runs N.W.
48.50 Leave timber and enter prairie, bears N.W. and S.E.
70.50 To Wagon Road, bears N. 30 W. and S. 30 E.
80.00 Set post, deposited charred stake, and raised mound with pits as per instructions for corner to secs. 32 and 33
Land, West 60 chs. broken, balance level, soil 2nd rate,
Timber: Bur Oak, Ash and Elm
Undergrowth the same, plum and vines
August 17th, 1865

East, along the South side of sec. 33
Va. 14° 6' East
40.00 Set post, deposited charred stake and raised

South Boundary of T. 33 N. R. 16 West

mound with pits as per instructions for 1/4 sec. corner
80.00 Set post, deposited charred stake and raised mound with pits as per instructions for corner to secs. 33 and 34
Land rolling; soil 3rd rate

East, along the South side of sec. 34
Va. 14° 6' East
29.65 To Wagon Road, bears N.W. and S.E.
40.00 Set post, deposited charred stake and raised mound with pits as per instructions for 1/4 sec. corner.
80.00 Set post, deposited charred stake and raised mound with pits as per instructions for corner to secs. 34 and 35
Land rolling; soil sandy

East, along the South side of sec. 35
Va. 14° 6' East

South Boundary of T. 33 N. R. 16 West

17.00 To a marshy stream, 20 lks. wide, runs N. 30° W.
25.75 To a marshy stream, 15 lks. wide, runs N. 30 W.
40.00 Set post, deposited charred stake and raised mound with pits as per instructions for 1/4 sec. cor.
80.00 Set post, deposited charred stake and raised mound with pits as per instructions for corner to secs. 35 & 36
Land rolling; soil sandy

East along the South side of sec. 36
Va. 14° 6' East
40.00 Set post, deposited charred stake and raised mound with pits as per instructions for 1/4 sec. cor.
80.00 Set post, deposited charred stake and raised mound with pits as per instructions for corner to secs. 31 and 36 and Townships 33 N. of Ranges 15 and 16
Land rolling; soil sandy

South Boundary of T. 33 N. R. 11 West

East along the South side of Sec. 34
Va 14° 5' East
6.30 To Pond bears N 10° W and S 10° E 80 lks wide
23.60 To the Right-Bank of Niobrarah River, runs South 45° East. where I set a post and made pit 6 feet West of the corner, for cor. to fractional sec. 34. from which A cottonwood 12 in dia bears N. 70° W dist 57 links
The bank of the River is low and sandy, with a large sand bank in front.
Land level bottom some times subject to inundation from 6 to 12 inches
Timber: cottonwood and Willow
Undergrowth same Dogwood Vines
August 20th 1865.

General Description

The land along the 8th Standard Parallel North is of a very inferior quality; it is mostly 3rd rate. and a great portion of it too sandy to make it fit for cultivation
The line crosses numerous spring branch tributaries of the Neobrarah River. which give forth pure and clear water.— These streams run in deep Ravines with abrupt banks. and have no bottom land.
The banks of these Ravines and streams are skirted with scattering timber consisting of Burroak Cottonwood Ash Cedar and Willow and a great deal of underbrush of the same kind. Plum and grape vines. As the line advanced towards the East, I noticed more sign of stone the top of hills were covered

with gravel and small pieces of limestone. But I have not discovered any stone quarrie, about 5 Chains South of the 1/4 Section corner. on the South boundary of Section 33. in Range 11 W. I found Steatite (Soapstone) of a gray blue color, It was not in any large quantities only small pieces of it were found in the bed of a spring branch.
The Neobrarah River, does not run over 5 Miles North of the 8th Parallel. In the Middle of of Range 11 West. the river crosses the line. runs S.E. but soon takes a more East-ward course. The timber on the Neobrarah River is of a pretty fair quality It is chiefly cottonwood. oak ash Elm and willow
There is but a very little bottom land. along the Neobrarah River

and this is too wet to be fit for cultivation. I could not discover any high water marks so as to note the hight of inundation but estimate the same from 6 to 30 inches.

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 Eighth Standard Parallel North, from the 2nd Guide meridian West, East to the Neobrarah River, showing the respective capacities in which they acted:

David E. Bagley, Chainman
Robert A. Ales, Chainman
William Malchow, Chainman
William Stuefer, Chainman
Elijah Reddick, Axeman

Frank Wortmann, Axeman
William A. Butt, Flagman

We hereby certify that we assisted Henry C. F. Hackbusch, deputy surveyor, in surveying the Seventh Standard Parallel North, from the First to Second Guide Meridian West; the Second Guide Meridian West, from the Seventh Standard Parallel North to the Niobrarah River; and the Eighth Standard Parallel North, from the Second Guide Meridian West to the Niobrarah River, and that aforesaid Standard lines have been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the boundary monuments planted according to the instructions furnished by the Surveyor General, "and that all the corners of said survey are not constructed of less size and demensions, than prescribed in the Printed Manual of surveying instructions, and the printed instructions of the Commissioner of the General Land Office, marked and conditioned in every respect as therein required."

David E. Bayley, Chainman
Robert A. Ales, Chainman
William Malhaw, Chainman
William Stuefer, Chainman

Elijah Reddick, Axeman
Frank Wortmann Axeman
William A. Butt. Flagman

Subscribed and sworn to by the above named persons before me a Probate Judge of the County of L'eau qui court, Nebraska Territory this 26th day of August 1865

Wm Bighame
Probate Judge

I, Henry C.F. Haekbusch, Deputy Surveyor, do solemnly swear that, in pursuance of a joint contract, wherein Henry C.F. Haekbusch and Robert Armstrong are joint contractors with H. S. Sleeper, United States Surveyor General for Kansas and Nebraska, bearing date the twelfth day of May, 1865, 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 Seventh Standard Parallel North, from the First to Second Guide Meridian West; the Second Guide Meridian West, from the Seventh Standard Parallel North to the Neobrarah River; and the Eighth Standard Parallel North, from the Second Guide Meridian West to the Neobrarah River, in the Territory of Nebraska, as are represented in the foregoing field notes as having been surveyed under my direction; and I do further solemnly swear that all the corners of said 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.—

Henry C. F. Hackbusch,
Deputy Surveyor

Subscribed and sworn to by said Henry C. F. Hackbusch, Deputy Surveyor before me a Probate Judge of the County of Leavenworth, Nebraska Territory, this 26th day of August, 1865

W. Bigham
Probate Judge.

Surveyor General's Office,
Leavenworth, Kansas, Sept. 23. 1865.

The foregoing field notes of the Survey of the Eighth Standard Parallel North, from the Second Guide Meridian West, East to the Neobrarah River, in the Territory of Nebraska, executed by Henry C. F. Hackbusch, under the joint Contract No. 313, of the twelfth day of May, 1865, wherein Henry C. F. Hackbusch and Robert Armstrong are joint Contractors, in the Month of August, 1865, having been critically examined, the necessary corrections and explanations made, the said field notes and the surveys they describe, are hereby approved.

H. S. Sheeper
Surveyor General.

Field Notes
of the
8th Standard Parallel North
from the
2nd to the 3rd Guide Meridians

Surveyed By
Robert Harvey U.S. Deputy Surveyor
under joint Contract No. 66
dated August 16th 1872

Surveyed June 1873

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ROBERT HARVEY RE-ELECTED

Jany 12 1922

REMAINS PRESIDENT OF STATE HISTORICAL SOCIETY.

Addison E. Sheldon Becomes Superintendent and Secretary of Organization.

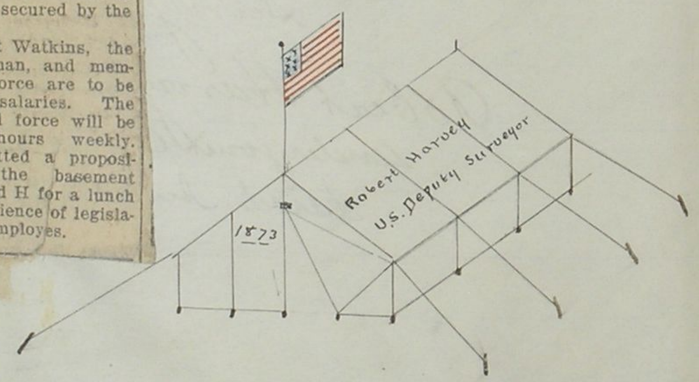
Robert Harvey was re-elected president of the state historical society at a meeting of the new board of directors held Wednesday afternoon. The other officers are as follows:

First vice president, Dr. H. B. Lowry.
Second vice president, Edson Rich of Omaha.
Treasurer, Don L. Love.

Addison E. Sheldon was re-elected under the new title of superintendent and secretary at a guaranteed salary of $2,400, which may be increased to $3,000 if funds can be secured by the secretary.

The historian, Albert Watkins, the curator, E. E. Blackman, and members of the clerical force are to be continued at present salaries. The service of the clerical force will be limited to forty-five hours weekly.

Mr. Sheldon submitted a proposition to rent part of the basement building at Sixteen and H for a lunch counter for the convenience of legislators and state house employes.



8th Standard Parallel N. R. 17 W

From the closing corner to Townships 32 North of the base line of Ranges 24 & 25 West on the third Guide Meridian West, I set off

63.17 Chains for temporary Convergency and set temporary Standard Corner to Townships 33 North of Ranges 24 and 25 West from which Corner I run the 8th Standard Parallel East on a random line

Va 13° 45' E.

I set temporary corners at every 40.00 and 80.00 chains and at 48 miles and 68 links to a point 4.00 chains South of the Standard Corner to Townships 33 North Ranges 16 and 17 West—

(Therefore, the correction will be 68 links East and 8 1/3 links North per mile—

and course of true line N. 89° 57' W.

8th Standard Parallel N. R. 17 W.

From the Standard corner to Town-
ships 33 North Ranges 16 and
17 West I run the 8th
Standard Parallel
S 89° 57' West on true line along
the South boundary of sec. 36
Var 13° 35' E.

40.00 Set post deposited charred
stake and raised mound of
earth with pits as per
instructions for 1/4 sec. Cor.
62.90 Brook 8 lks. wide runs North
80.00 Set post deposited charred stake
and raised mound of earth
with pits as per instructions
for Standard Corner to
secs. 35 and 36
Surface undulating - Soil, 2nd rate
Cropping of slate rock found
in Creek - Also notice
a disturbance of the
magnetic equilibrium in
this vicinity

8th Standard Parallel N. R 17 W.

S 89° 57' West on true line along
South boundary of sec. 35
Var 13° 35' E.

40.00 Set post deposited charred stake and
raised mound of earth with pits
as per instructions for 1/4 sec. cor.
63.15 Brook 4 links wide runs North
80.00 Set post deposited charred
stake and raised mound
of earth with pits as
per instructions for
Corner to sections 34
and 35
Surface, gently rolling
Soil, Sandy second rate

8th Standard Parallel N. Range 17 West

S 89° 57' West on true line along
South boundary of sec. 34
Va 13° 35' E

16.50 Brook 4 lks wide runs North
17.15 Brook 4 lks wide runs NE
24.80 Brook 8 lks. wide runs North
40.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.
47.40 Brook 2 lks wide runs North
50.20 Brook 2 lks. wide runs North
80.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to sections 33 and 34
Surface undulating
Soil first rate

8th Standard Parallel North Range 17 West.

S 89° 57' West on true line along
South boundary of sec 33
Va 13° 35' E.

22.00 Leave high and enter low bottom lands NE and SW.
40.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.
50.05 Creek 10 lks. wide runs North.
51.70 To right bank of Niobrarah River runs NE
I mark an Elm 6 in. dia. for corner to fractional sec 33 and meander corner on Right bank of River
Ascertain the distance across the river on the line as follows:-
Cause a flag to be set on the left bank of the river and on the true line. From the meander corner on the right bank of the river at 51.70 chains I run South 15.00 chains to a point from which the flag on the left Bank bears N. 70° 03' West which gives

8th Standard Parallel N. R 17 West

for the distance across the river on the true line of the 8th Standard Parallel 41 chains and 32 links
+ 80.00 corner in River
which added to 51.70 chains makes 93.02 to left Bank of River ~~minus~~
XX 13 02 Mark a willow 9 in. diam. for corner to fractional sec. 32 and Meander corner on Left Bank of River
+ The true point for Standard corner to secs 32 and 33 falls in the river. the corner cannot, therefore, be established
Land low sandy bottom
Soil Secondrate —

8th Standard Parallel N. R 17 West

S89°57' West on true line along South boundary of fractional sec. 32
XX 13 02 From point for sec cor, in river To left bank of River to — see last mile — ya 13° 35' E.
~~27.05 Added to the 13.02 hains East of Meander corner on left bank gives~~
40.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for 114 sec. cor. from which a Willow 9 in. dia. bears North 9 lks. distant
70.00 Leave scattering timber and enter Prairie bears NE & SW
80.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to sections 31 and 32
Low Bottom covered with Cottonwood and Willow West 10.00 chs. good hay land
Soil sandy secondrate

8th Standard Parallel N. Range 17 W

S 89° 57' West on true line along the South Boundary of section 31
Va 13° 37' E

16.90 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to fractional sec. 31 and Meander corner on left Bank of Niobrarah River. The river bank bears NW and SE
Ascertain the distance across the river on the line as follows:
Cause a flag to be set on the right bank and on the true line. From the Meander corner on Left Bank I run a base North 3' W 5.00 chains to a point from which the flag on the right bank bears S 74° 24' West which gives for the distance across the river on the true line 17.90 chs which added to 16.90 gives

34.80 Set post deposited charred stake and raised mound of earth with pits as per instructions for Meander corner on right bank of river, fr

8th Standard Parallel N. Range 17 W.

which corner a Cottonwood 24 in. diam. bears S 35° W. 17 lks. distant.

40.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for 114 sec cor. from which a Cottonwood 26 in. diam. bears N 80° 30' W. 118 lks. distant.

44.57 Set post deposited charred stake and raised mound of earth with pits as per instructions for Meander corner on the Right bank of the Niobrarah River
Ascertain the distance across the river on the line as follows:-
Cause a flag to be set on the left bank of the River and on the true line of the 8th Standard Parallel
I now cross to the left bank and from the flag I measure a base line North 3' W 17.00 chains to a point from which the Meander Corner on the Right bank bears S 75° 33' E. which gives 65.96 chains for the distance across the river. In place of flag I

corner in River cannot be established

80.00

Distance in T
Plat 35 43
4 88
40 31

44 57
40 31
84 88
80 00
4 88

Base line distance below

Set post deposited charred stake and raised mound of earth with pits as per instructions for meander corner on left Bank of River and corner to fractional section 36 in R. 18 W

~~The point for standard corner to Town ships 33 N. Ranges 17 & 18 W. falls in the river & cannot therefore be established~~

Jun

8th Standard Parallel N. R. 18 West

S89°57' West on true line along the South boundary of fractional sec. 36
Va. 13° 40' E.

30.53 To left bank of river. Here I establish a meander corner in place of the flag. (See last mile.)
~~to Township 33 N Ranges 17 & 18 W.~~

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

48.00 Leave low and enter high bottom bears 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 sections 35 and 36

Land Bottom
Soil First rate

June 9th 1873

8th Standard Parallel N. R 18 West

S 89° 57' West on true line along South boundary of sec. 35
Var 13° 40' E

38.50 Brook 3 lks wide runs SE
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 corner to sections 34 & 35
Rolling high, bottom soil first rate

8th Standard Parallel N. R 18 West

S 89° 57' West on true line along South boundary of sec 34
Var 13° 40' E.

40.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.
68.50 Ravine course SE
80.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for Standard corner to sections 33 & 34
Surface broken clay land soil, second rate

8th Standard Parallel N. R 18 West.

S89°57' West on true line along South boundary of sec. 33
Va 13° 40' E.

17.00 Ravine course North
22.00 Ravine course N E
40.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.
80.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for corner to sections 32 and 33
Broken Clay land
Soil Secondrate

8th Standard Parallel N. R 18 W.

S89°57' West on true line along South boundary of sec. 32
Va 13° 40' E.

34.80 Ravine course S E.
39.70 Same Ravine course N E
40.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.
80.00 Set post deposited charred stake and raised mound of earth with pits as per instructions for Corner to sections 31 & 32 from which A Pine tree 8 in. diam. bears S 35° E 36 lks. distant.
Surface broken - gravelly
Soil - thirdrate

8th Standard Parallel N. R 18 W.

S89°57' West on true line along South boundary of sec 31
Va 13°40' E

28.80	Cañon course South
40.00	Set post deposited charred stake and raised mound of earth with pits as per instructions for 1/4 sec. cor.
53.90	Brook 3 lks wide runs South
80.00	Set post deposited charred stake and raised mound of earth with pits as per instructions for Standard Corner to Township 33 North Ranges 18 & 19 W. Surface broken & gravelly Soil. Thirdrate

8th Standard Parallel N. R 19 W.

S89°57' West on true line along South boundary of sec. 36
Va 13°40' E

19.90	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.
80.00	Set post deposited charred stake and raised mound of earth with pits as per instructions for Standard Corner to sections 35 and 36. Surface rolling gravelly Soil - Secondrate

8th Standard Parallel N. R 19 W.

S 89° 57' West on true line along South boundary of sec. 35
Va 13° 40' E

39.70 Old wagon trail bears NE & SW
40.00 Set post deposited chained stake and raised mound of earth with pits as per instructions for 1/4 sec. Cor.
78.65 Drain course N E
80.00 Set post deposited chained stake and raised mound of earth with pits as per instructions for corner to sections 34 & 35
Rolling Table land
Dark Clay loam 1st rate
Good grass —

8th Standard Parallel N. R. 19 W.

S 89° 57' West on true line on ~~Section~~ boundary of sec. 34
Va 13° 38' E.

40.00 Set post deposited chained stake and raised mound of earth with pits as per instructions for 1/4 sec. Cor.
80.00 Set post deposited chained stake and raised mound of earth with pits as per instructions for Standard Corner to secs. 33 and 34
Level Table land
Soil clayey loam 1st rate

8th Standard Parallel N. R 19 W

S 89° 57' West on true line along South boundary of sec. 33.
Vd 13° 36' E

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

8000 Set post deposited charred stake and raised mound of earth with pits as per instructions for ~~S~~ Standard Corner to secs. 32 and 33
Undulating Table land
Soil. Clayey firstrate

8th Standard Parallel N. R. 19 W.

S. 89° 57' West on true line along South boundary of sec 32
Vd 13° 36' E

2815 Ravine Course S

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

8000 Set post, deposited charred stake and raised mound of earth with pits as per instructions for ~~1/4 sec. Cor.~~ Standard Corner to Secs. 31 ~~and~~ 32
Rolling Table-land
Dark Clayey firstrate

8th Standard Parallel N. R. 19 W

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

25 Brook 2 lks wide runs South
1915 Brook 2 lks wide runs South
4000 Set port, deposited Charred stake and raised mound of earth with pits as per instructions for 1/4 sec, Cor.
8000 Set port, deposited Charred stake and raised mound of earth with pits as per instruction for Standard Corner to Townships 33 North of Ranges 19 and 20 West
Surface - broken.
Soil Clay - Thirdrate
Slate rock Cropping in Creek bank North of the line.
Also notice destexbance of the Magnetic Equilibrium

8th Standard Parallel N. R. 20 W

S. 89° 57' West at true line along South Boundary Sec 36
Va 13° 36' E

620 Ravine Course S. E.
4000 Set port deposited Charred Stake and raised mound of earth with pits as per instructions for 1/4 sec, Cor.
8000 Set port deposited charred stake and raised mound of earth with pits as per instructions for Standard Corner to Secs. 35 and 36
Surface Rolling, Gravelly
Soil - Firstrate

8th Standard Parallel N. R. 20 W.

	S. 89° 57' West on true line along South boundary Sec. 3 Va 13° 36' E
2800	Canon Course South
3250	Canon Course S. E.
3320	Same Canon Course N. E.
3370	Same Canon Course S. E.
4000	Set post deposited Charred stake and raised Mound of Earth with pits as per instructions for 1/4 Sec. Cor
8000	Set post deposited Charred stake and raised Mound of Earth with pits as per instructions for Standard Corner to Secs. 34 and 35 Surface, broken Clayey Soil First rate

8th Standard Parallel N. R. 20 W.

	S 89° 57' West on true line along South boundary Sec 34 Va 13° 36' E
160	Ravine Course S. E.
4000	Set post deposited Charred stake and raised Mound of Earth with pits as per instructions for 1/4 Sec. Cor
8000	Set post deposited Charred stake and raised mound of earth with pits as per instructions for Standard Corner to Secs. 33 and 34 Surface, broken E 40 chs Third rate W 40 chs First rate

June 10th 1873

8th Standard Parallel N.P. 20 W

S. 89° 57' West on true line along South boundary of Sec. 33
Va 13° 36' E

4000 Set Port deposited Charred Stake and raised mound of earth with pits as per instructions for 1/4 Sec Cor.

8000 Set port deposited Charred stake and raised mound of earth with pits as per instructions for Standard Corner to Secs. 32 and 33
Surface Undulating
Clayey - Soil Firstrate

8th Standard Parallel N.P. 20 W

S 89° 57' West on true line along South boundary of Sec 32
Va 13° 36' E

4000 Set port deposited Charred Stake and raised mound of earth with pits as per instructions for 1/4 Sec. Cor.

8000 Set port deposited Charred Stake and raised mound of earth with pits as per instructions for ~~1/4 Sec. Cor.~~ Standard Corner to Secs 31 and 32
Surface Table - Sand - Level
Dark, rich - Clayey
Soil - firstrate

8th Standard Parallel N. R. 20 W

S 89° 57' West on true line along South boundary of Sec 31
Va 13° 36' E

2800 Leave Table - Sand and enter broken hills bears N and S

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

4400 Ravine Course S. W.

5975 Brook 3 lks wide runs S. E.

8000 Set post deposited Charred Stake and raised mound of earth with pits as per instructions for Standard Corner to Townships 38 North of Ranges 20 and 21 West

Surface E 28th Level Table - Sand Valance broken Second rate

8th Standard Parallel N. R. 21 W

S 89° 57' West on true line along South boundary of Sec 36
Va 13° 36' E

2390 Ravine Course S

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

6180 Ravine Course S. E.

8000 Set post deposited Charred Stake and raised mound of earth with pits as per instructions for Standard Corner to Secs 35 and 36

Surface - rolling - gravelly Soil Second rate

8th Standard Parallel N R 20 W

S 89° 57' West on true line along South boundary of sec 35
Va 13° 36' E

4000 Set port deported Charred Stake and raised Mound of earth with pits as per instructions for 1/4 sec cor

6580 Drain Course South

8000 Set port deported Charred Stake and raised Mound of earth with pits as per instructions for Standard Corner to Secs 34 and 35
Surface - rolling - Gravel
Good grass - Soil Frostrate

8th Standard Parallel N R 21 W

S 89° 57' West on true line along South boundary of sec 34
Va 13° 38' E

2050 Canon Course S.W.

3400 Canon Course South

4000 Set port deported Charred Stake and raised mound of earth with pits as per instructions for 1/4 sec. Cor.

4110 Gulch Course South

4520 Canon Course S.E.

8000 Set port deported Charred Stake and raised mound of earth with pits as per instructions for Standard Corner to Secs 33 and 34
Surface - broken, gravelly
Soil - Thirdrate

8th Standard Parallel N R 21 W

S 89° 57' West on true line along South boundary of Sec 33
Va 13 38' E

2445	Ravine Course S.W.
2955	Ravine Course N.W.
4000	Set post deposited Charred Stake and raised Mound of earth with pits as per instructions for 1/4 Sec Cor
6220	Creek 4 lks wide runs S.W.
6440	Same Creek 4 lks wide runs N.W.
6880	Same Creek 5 lks wide runs South
6960	Branch 1 lk wide runs S.E.
7865	Pine Tree 8 in, dia,
7970	Ravine Course S.E.
8000	Set post deposited Charred Stake and raised Mound of earth with pits as per instructions for Standard Sec. Corner to 32 and 33

Surface - broken - Clayey Soil Thirdrate

8th Standard Parallel N R 21 W

S 89° 57 West on true line along South boundary of Sec 34
Va 13° 40' E

2770	Canon Course N.E.
4000	Set post deposited Charred Stake and raised Mound of earth with pits as per instructions for 1/4 Sec Cor.
8000	Set post deposited Charred Stake and raised Mound of earth with pits as per instructions for Standard Corner to Secs 31 and 32

Surface broken
Clay land Thirdrate

8th Standard Parallel N. R. 21 W

S. 89° 57' West on true line along South boundary of Sec 36
Va 13° 42' E

4000 Set port deposited Charred Stake and raised mound of earth with pits as per instructions for 1/4 Cor

8000 Set port deposited Charred Stake and raised mound of earth with pits as per instructions for Standard Corner to Townships 33 N of Ranges 21 and 22 West from which A Pine 10 in, dia bears S 12° 20' W 51 lks dist. Surface broken - Clay hills Soil Third rate

8th Standard Parallel N. R. 22 W

S 89° 57' West on true line along South boundary Sec 36
Va 13° 42' E

2520 Creek 5 lks wide runs S.W.

4000 Set port deposited Charred Stake and raised mound of earth with pits as per instructions for 1/4 Cor

7945 Brook 4 lks wide runs S E

8000 Set port deposited Charred Stake and raised Mound of earth with pits as per instructions for Standard Corner to Secs 35 and 36 Surface, broken Clay hills Third rate

8th Standard Parallel N R. 22 W.

S 89° 57' West on true line along South boundary of Sec 35
Va 13° 40' E

2530 Top of high peak.
3385 Canon Course S.E.
4000 Set port deposited Charred stake and raised mound of earth with pits as per instructions for 1/4 Sec Cor {A Pine 10 in dia bears S 16° 40 lks dist. An Oak 7 in. bears N 31° 30' W}
4340 Canon Course S.E.
5790 Canon Course S.E.
8000 set port deposited Charred stake and raised mound of earth with pits as per instructions for Standard Corner to Secs 34 and 35
Surface broken clay
Soil Thirdrate

8th Standard Parallel N R. 22 W

S. 89° 57' West on true line along South boundary of Sec 34
Va 13° 40' E

690 Canon Course SE
4000 Set port deposited Charred stake and raised mound of earth with pits as per instructions for 1/4 Sec. Cor
4150 Branch 4 lks wide runs South
8000 Set port deposited Charred stake and raised mound of earth with pits as per instructions for Standard Corner to Secs 33 and 34
East 62 Chains broken
West 18 Level. Soil Firstrate

8th Standard Parallel N. R. 22 W.

S 89°57' West on true line along South boundary Sec 33
ra 13° 40'8

4000 Set port deposited Charred Stake and raised Mound of earth with pits as per instructions for 1/4 Cor

8000 Set port deposited Charred Stake and raised Mound of earth with pits as per instructions for Standard Corner to 32 and 33
Surface Undulating Clayey - Soil Firstrate

8th Standard Parallel N. R. 22 W.

S 89°57' West on true line along South boundary of Sec 32
ra 13° 40'8

4000 Set port deposited Charred Stake and raised Mound of earth with pits as per instructions for 1/4 Sec Cor

4050 Leave Undulating prairie and enter broken Clay hills bears N. and S

6230 Brook 5 lks wide runs South

8000 Set port deposited Charred Stake and raised Mound of Earth with pits as per instructions for Standard Corner to Secs 31 and 32 from which An Oak 12 in. dia. bears N. 5°30' W. 21 lks dist.
East 40 chains Undulating Soil Firstrate
West 40 chs. broken Clay 27 Soil Thirdrate

8th Standard Parallel N. R. 22 W

	S 89° 57' West on true line along South boundary of Sec 34 Va 13° 40' E
1240	Canon Course South
3675	Canon Course South
4000	Set port deposited Charred Stake and raised Mound of earth with pits as per instructions for 1/4 Sec Cor
6050	Canon Course South
7500	Canon Course South
8000	Set port deposited Charred Stake and raised Mound of earth with pits as per instructions for Standard Corner to Townships 33 N of Ranges 22 and 23 West from which A Pine 18 in. dia bears N. 33° E 50 lks, dist, A Pine 8 in dia bears N. 40° 30' W. 42 lks dist Surface, broken, foot hills Soil Thirdrate June 11" 1873

8th Standard Parallel N. R. 23 W

	S. 89° 57' West on true line along South boundary of Sec 36 Va 13° 42' E
370	Canon Course South
750	Canon Course South
2165	Canon Course South
4000	Set port deposited Charred Stake and raised Mound of earth with pits as per instructions for 1/4 Sec Cor
6500	Leave foot hills and enter Low River bottom, bears N. W. S. E.
7750	Set port deposited Charred Stake and raised Mound of earth with pits as per instructions for Corner to fractional Sec 36 and Meander Corner on Left Bank of Niobrara River The River bank bears N. W. S. I ascertain the distance across the river as follows; Cause a flag to be set on the right bank and on the true

Turn this sheet over this is page 135 ~~131~~ ~~134~~

line of the 8th Standard Parallel
I now cross to the Right
Bank and from the flag I
run a base South 11.80 Chs.
~~to a~~ point, from which the Meander
Corner on the Left Bank bears
N 66° E which gives 26.49 Chs
for the distance across the River
80.00 Point for cor to secs. 35 & 36 falling river not established
In place of flag I set post
deposited Charred Stake and
raised Mound of Earth
with pits as per instructions
for Corner to Fractional Sec 35
and Meander Corner on Right
Bank of Niobrarah River
From which A Cedar 8 in dia
bears N 49° 45' W. 29 lks dist.
A Pine 18 in. dia. bears S 30° E
11 lks dist.
Surface Rolling. Foot hills
Clayey — Soil Forstrat

Note this goes on next line

133
136

8th Standard Parallel N R 23 W

S. 89° 57 West on true line along the
South boundary of fractional Sec 35
Va 13° 42' E
+ 23.99
~~16.01~~ ~~Added to 23.99 Chs the distance in the river from the point for Standard Corner to Secs 35 and 36~~
4000 Mark an Oak 9 in. dia. for 1/4 SEC Cor
4050 Gulch Course N
6900 Branch 3 lks wide runs N
7000 Branch 2 lks wide runs N
White Birch along Creek
8000 Set post deposited Charred
Stake and raised Mound
of earth with pits as per
instructions for Standard
Corner to Secs 34 & 35
Surface broken. foot hills
Soil Thirdrate

8th Standard Parallel N R 23 W

S. 89°57' West on true line along South boundary of sec 34
Va 13° 45' E

4000 Set post deposited Charred Stake and raised mound of earth with pits as per instructions for 1/4 sec cu

8000 Set post deposited Charred Stake and raised mound of earth with pits as per instructions for Standard Corner to secs 33 and 34
Rolling Foot hills - dark sandy Soil Second rate

8th Standard Parallel N R 23 W

S 89°57' West on true line along South boundary of sec 33
Va. 13° 45' E

550 Branch 5 lks wide runs North
2720 Branch 5 lks wide runs North
4000 Set post deposited Charred Stake and raised mound of earth with pits as per instructions for 1/4 sec cu
8000 Set post deposited Charred Stake and raised mound of earth with pits as per instructions for Standard Corner to secs 32 and 33 from which An Oak 8 in dia bears S. 73° 15' W 1.43 lks dist
Surface - Foot Hills - Sandy Soil Second rate

8th Standard Parallel N R 23 W

	S 89° 57' West on true line along South boundary of Sec 33 va 13° 45' E
900	Leave foot hills and enter Low bottom bears N.E. and S.W.
1190	Brook 10 lks wide runs North
4000	Set port deposited Charred Stake and raised mound of earth with pits as per instructions for 1/4 sec. cor
6300	Leave Low bottom and enter foot hills bears N.W. and S.E.
8000	Set port deposited Charred Stake and raised mound of earth with pits as per instructions for Standard Corner to Secs 31 and 32 Surface Low bottom wet and boggy. Foot hills sandy Soil Secondrate

8th Standard Parallel N R 23 W

	S 89° 57' West on true line along South boundary of Sec 31 va 13° 45' E
4000	Set port deposited Charred Stake and raised mound of earth with pits as per instructions for 1/4 sec cor
6300	Enter Harvey's Canon bears N.W. and S.E.
7330	Harvey Creek 60 lks wide 18 in. deep runs N.N.W.
7900	Leave Harvey's Canon bears N & S
8000	Set port deposited Charred Stake and raised mound of earth with pits as per instructions for Standard Corner to Townships 33 N of Ranges 23 and 24 W Surface Foot hills, Sandy Soil Secondrate

8th Standard Parallel N R 24 W

S 89° 57' West on true line along
the South boundary of sec 35
Va 13° 48' E

4000 Set post deposited Charred
Stake and raised Mound
of earth with pits as per
instructions for 1/4 Sec Cor

8000 Set post deposited Charred
Stake and raised Mound
of earth with pits as per
instructions for Standard
Corner to Secs 25 and 36
Surface - rolling - dark Sandy
Soil Second rate

8th Standard Parallel N R 24 W

S 89° 57' West on true line along
South boundary of sec 35
Va 13° 58' E

4000 Set post deposited Charred
Stake and raised Mound
of earth with pits as per
instructions for 1/4 Sec Cor
from which Pine 18 in. dia.
bears S 17° 45' W. 89 lks dist

8000 Set post deposited Charred
Stake and raised mound of
earth with pits as per
instructions for Standard
Corner to Secs 34 and 35
Surface. Gently rolling
Sandy Soil - Second rate

8th Standard Parallel N R 24 W

S 89° 57' West on true line along
South boundary of sec 33
va 13° 50' E

4000 Set port deposited Charred
Stake and raised Mound
of earth with pits as per
instructions for 114 sec, Cor,

8000 Set port deposited Charred
Stake and raised Mound
of earth with pits as per
instructions for Standard
Corner to secs 33 and 34
from which a Pine 5 in, dia
bears N 11° 30' E 92 lks dist
Surface rolling - Sandy
Soil Thirdrate
Small scattering groves of
Pine trees.

June 12" 1873

8" Standard Parallel N R 24 W

S. 89° 57' West on true line along
South boundary of sec 33
va 13° 50' E

4000 Set port deposited Charred Stake
and raised Mound of earth
with pits as per instructions
for 114 sec, Cor,

8000 Set port deposited Charred
Stake and raised Mound
of earth with pits as per
instructions for Standard
Corner to secs 32 and 33
Surface rolling - Sandy
Soil Thirdrate
Scattering Pine trees.

8th Standard Parallel N. R. 24 W.

S 89° 57' West on true line along South boundary of sec 32
va 13° 50' E

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

8000 Set post deposited Charred Stake and raised Mound of earth with pits as per instructions for Standard Corner to Secs 31 and 32
Surface rolling - sandy
Soil Thirdrate

8th Standard Parallel N. R. 24 W.

S. 89° 57' West on true line along South boundary of sec 31
va 13° 50' E

1751 The Closing Corner to Townships 32 North of Ranges 24 & 25 West on the Third Guide Meridian W

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

8000 Set post, deposited Charred Stake and raised Mound of Earth with pits as per instructions for Standard Corner to Townships 33 North of Ranges 24 and 25 West
Surface - rolling - sandy
soil Thirdrate

June 13" 1873

8th Standard Parallel North

General Description

The 8th Standard Parallel crosses along the foot hills of the Niobrara River. River valley is about one mile wide and is considerably broken by shallow deep gulches, or canons, which are filled with timber, linden, elm, ash, cedar, oak, pine, etc. Soil south of the river is generally sandy loam adapted to agriculture or grazing. North of the river the soil is clay with a large percentage of lime, and is adapted to the growth of fruit. The tablelands north are about one hundred & fifty feet above the river and are beautiful undulating prairies, with dark clay soil, deep and rich, producing good grass. The face of the bluffs is lined with a

8th Standard Parallel North

good growth of pine timber suitable for stock yards. Limestone crops from the face of the bluffs about thirty feet below the crest.

Groves of scrub oak and white oak, with some walnut, birch and iron-wood are frequent in the gulches, and along the foot hills, south of the river.

In the sinuosities of the river are extensive tracts of cottonwood timber. Numerous brooks of clear cool spring water, strongly impregnated with mineral issue from the hills.

Croppings of slate rock were observed in Ranges 17 18 and 19. Also indications of coal in Ranges 17 and 18. Fossil remains were seen in sections 31, 32 and 33 of Range

8th Standard Parallel North

18 west. The river bottom is rich in specimens of the Flowering Kingdom

This entire region is rich in nearly all the Mater that are necessary for the rap growth and support of an extensive settlement

This belongs to page 148

Turn this sheet over when the binding

this 8th day of August 1873

J C Lewis

Clerk Howard Co

I, Robert Harvey, deputy surveyor, do solemnly swear that in pursuance of a joint Contract wherein Nicholas J. Paul and Robert Harvey are joint Contractors with E. E. Cunningham, United States Surveyor General for the District of Iowa and Nebraska, bearing date the 16th day of August A.D. 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 and established the Seventh and Eighth Standard Parallels from the second to the third Guide Meridian all North of the base line and West of the 6th Principal Meridian in the State of Nebraska; 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.

Robert Harvey
Deputy Surveyor

See previous page

Subscribed by said Robert Harvey deputy surveyor and sworn to before me.

The Surveyor Generals Office
Plattsmouth Sept 10th 1873

The foregoing ~~transcript of the~~ Field Notes of the Survey of the 7th and 8th Stand Parallel from the 2nd to the 3rd Guide Meridian in the State of Nebraska Executed by Robert Harvey under joint Contract No 66 wherein Nicholas J. Paul and Robert Harvey are joint Contractors in the month of June 1873 having been critically examined the necessary corrections and explanations made the said Field Notes and the Surveys they describe are hereby appro

E. E. Cunningham
Surveyor General

(a.)

Field Notes

of the Survey of the Eighth Standard Parallel North of the base line from the Third to the Fourth Guide Meridian West of the 6th Principal Meridian in the State of Nebraska, surveyed by Robert Harvey, U. S. Dep. Surveyor, under joint Contract No 88 bearing date April 17th 1875, wherein Nicholas J. Paul and Robert Harvey are joint Contractors with E. E. Cunningham, U. S. Surveyor General for the District of Nebraska and Iowa.

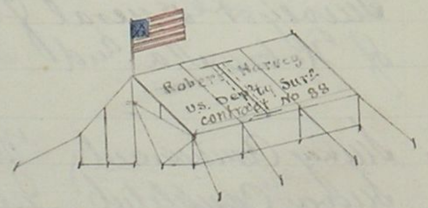
Survey Commenced May 23d 1875
Survey Completed June 9th 1875

Pl. H.S.

(B.)

Names and duties of Assistants

A. G. Metcalf, Chainman
Thompson McNabb, Chainman
Charles Weller Chainman
Edward C. Simmons Chainman
Noal Barler Cornerman
Francis M. Cushing Cornerman
Frank M. Webster, Flagman



This was the Astronomers tent on the North Boundary in 1874

Robert Harry
Deputy Surveyor

8th Standard Parallel from the 3d to the 14th Guide

From the temporary closing corner to Townships 32 N Ranges 32 and 33 W. I measure West for temporary convergence 87.49 chs. and set temporary Standard corner to Townships 33 N Ranges 32 & 33 W. From this corner I run the 8th Standard Parallel East on a random line with Burt's Improved Solar Compass in perfect adjustment and at 48 miles 37 chains and 92 links I intersect the Third Guide Meridian at 21 chains and 60 links North of the Standard Corner to Townships 33 N. Ranges 24 and 25 W.

Thinking it possible an Error may have been made on the 14th Guide between the 7th & 8th Standard I retraced the Guide but fail to find an Error I therefore Establish the

8th Standard Parallel, with the following correction East 37.92 chains and South 45 links per mile and the course N 89° 41' W.

8th Standard Parallel R 25 W

From the Established Standard Corner to Townships 33 N. Ranges 24 and 25 W. I run on the 8th Standard Parallel N. 89° 41' West on the South boundary of sec 36 Va 16° 40' E.

28 00 Leave hills and Enter Valley bears N & S.

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

75 00 Leave Valley and Enter hills bear NE & SW.

80 00 Set post 4×4 in 4 ft 1 ft. deep deposited charred stake raised mound of earth 2½ ft high from pits 18×24×12 in deep for Corner to Secs 35 & 36

Valley Secondrate
Hills Thirdrate

8th Standard Parallel N. R 25 W.

N 89° 41' West on true line ~~between~~ on South boundary ~~sec off~~ sec 35
Va 13° 40' E.

40 00 Set post 3x3 in. 4 ft. 1 ft. deep deposited Charred stake, raised mound of earth 2½ ft. high from pits 18x24x12 in. deep for 1/4 sec. cor.

80 00 Set post 4x4 in 4 ft. 1 ft. deep deposited Charred stake raised mound of earth 2½ ft high from pits 18x24x12 in deep for Corners secs 34 & 35

Surface, low sandhills
Soil, third rate

8th Standard Parallel N. R 25 W.

N 89° 41' West on true line along South boundary of sec 34
Va 13° 38 E.

40 00 Set post 3x3 in 4 ft. 1 ft. deep deposited Charred stake, raised mound of earth 2½ ft high from pits 18x24x12 in. deep for 1/4 sec cor.

55 00 Leave hills and enter valley here on E and W

75 00 Leave valley and enter hills here North and South

80 00 Set post 4x4 in 4 ft. 1 ft. deep deposited charred stake raised mound of earth 2½ ft high from pits 18x24x12 in. deep for corner to secs 33 and 34

Sandhills - third rate
Valley Second rate

8th Standard Parallel N. R 25 W.

N 89° 43' West on true line along South boundary of sec. 33
Va 13° 36' E.

5 00 Leave hills and enter valley bears N.W. & S.E.

11 50 Enter Marsh bears NE & SW

40 00 Set post 3×3 in 4 ft. 1 ft. deep deposited charred stake and raised mound of earth 2 1/2 ft. high from pits 18×24×12 in. deep for 1/4 sec cor.

80 00 Set post 4×4 in. 4 ft. 1 ft. deep deposited charred stake, raised mound of Earth 2 1/2 ft. high from pits 18×24×12 in. deep for Corner to sees 32 & 33
Sandhills Thirdrate
Marsh, black soil, swamp and covered will small willows and tall grass
Thirdrate

8th Standard Parallel N. R 25 W.

N 89° 43' West on true line along South boundary of sec. 32
Va 13° 33' E.

40 00 Set post 3×3 in. 4 ft. 1 ft. deep deposited charred stake, raised mound of Earth 2 1/2 ft high from pits 18×24×12 in. deep for 1/4 sec cor.

80 00 Set post 4×4 in 4 ft. 1 ft. deep deposited charred stake, raised mound of Earth 2 1/2 ft. high from pits 18×24×12 in. deep for Corner to sees 31 & 32
Surface Marshy
Soil Thirdrate

8th Standard Parallel N. R 25 W.

N 89° ~~4~~ 41' West on true line along South boundary of sec 31.
Va 13° 30' E

10 30 Leave Marsh and enter ~~Sandhills~~ bearing N.W. & S.E.

36 00 Leave Vale or valley and enter Sandhills bear N & S.

40 00 Set post 3x3 in. 4 ft. 1 ft. deep deposited charred stake, raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in. deep for 1/4 sec. cor.

80 00 Set post 4x4 in. 4 ft. 1 ft. deep deposited charred stake, raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for Standard Corner to Townships 33 N. Ranges 25 & 26 W.

Valley secondrate
Sandhills — thirdrate

8th Standard Parallel N. R 26 W.

N 89° ~~4~~ 41' West on true line along South boundary of sec. 36
Va 13° 30' E

50 Leave hills — Enter valley bears N.W. & S.E.

9 00 Enter Marsh bears N.W. & S.E.

30 00 Leave Marsh bears N.W. & S.E.

38 65 An old wagon road bears N.W. & S.E.

40 00 Set post 3x3 in. 4 ft. 1 ft. deep deposited charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 inches for 1/4 sec. cor.

45 00 Leave Valley — Enter hills bear N.W. & S.E.

80 00 Set post 4x4 in. 4 ft. 1 ft. deep deposited charred stake, raised mound of earth 2½ ft high from pits 18 x 24 x 12 in. deep for Corner to sections 35 & 36

Marsh covered with small willows & stagnant water 3rd rate
Sandy Valley thirdrate

8th Standard Parallel N R 26 W

N. 89° ~~43'~~ 41' West on true line along South boundary of sec. 35
Va 13° 32' E.

18 00 Leave hills - Enter Valley bears N & S.
27 00 Slough or Marsh 9 chs wide brs N & S.
40 00 Set post 3 x 3 in. 4 ft. 1 ft. deep deposited charred stake, raised mound of earth 2 1/2 ft high from pits 18 x 24 x 12 in deep for 1/4 sec. cor.
45 00 Leave Valley - Enter hills. bear N & S.
80 00 Set post 4 x 4 in. 4 ft. 1 ft. deep deposited charred stake, raised mound of earth 2 1/2 ft high from pits 18 x 24 x 12 in deep for corner to secs 34 & 35
Valley Secondrate
Hills Thirdrate

8th Standard Parallel N R 26 W.

N 89° ~~43'~~ 41' West on true line along South boundary of sec 34
Va 13° 33' E.

26 00 Leave hills - Enter valley bears N & S.
40 00 Set post 3 x 3 in. 4 ft. 1 ft. deep deposited charred stake raised mound of earth 2 1/2 ft. high from pits 18 x 24 x 12 in deep for 1/4 sec cor.
80 00 Set post 4 x 4 in. 4 ft. 1 ft. deep deposited charred stake, raised mound of earth ~~with~~ 2 1/2 ft high from pits 18 x 24 x 12 in deep for corner to secs. 33 & 34
Valley Secondrate
Hills - thirdrate

8th Standard Parallel N R 26 W.

N 89° ~~43'~~ 11'' West on true line along South Boundary of sec. 33
Va 13° 35' E.

40 00 Set post 3×3 in. 4 ft. 1 ft. deep deposited Charred Stake, raised mound of earth ~~with pits~~ 2½ ft high from pits 18×24 × 12 in deep for 1/4 sec. cor.

80.00 Set post 4×4 in. 4 ft 1 ft. deep deposited Charred stake, raised mound of earth 2½ ft high from pits 18×24×12 in deep for Corner to Secs 32 & 33.

Valley, Undulating
Soil dark, Sandy 2nd rate

8th Standard Parallel N. R. 26 W

N 89° ~~43'~~ 11'' West on true line along South boundary of sec. 32
Va 13° 38' E

40 00 Set post, 3×3 in. 4 ft. 1 ft. deep, deposited Charred Stake, raised mound of earth ~~with pits~~ 2½ ft high from pits 18×24×12 in. deep for 1/4 Sec Cor.

42 00 Leave Valley Enter hills bear NE & SE

80 00 Set post 4×4 in. 4 ft. 1 ft. deep deposited Charred Stake, raised mound of earth with pits as per instructions, in 18×24×12 in deep for Corner to Secs 31 and 32

Valley Secondrate
Hills Thirdrate

8th Standard Parallel N. R 26 W.

N 89° 41' 43" West on true line along the South boundary of sec. 31
Va 13° 41' E.

40 00 Set post 3x3 in. 4 ft. 1 ft. deep deposited Charred Stake raised mound of earth 2 1/2 ft high from pits 18 x 24 x 12 in deep for 1/4 sec cor.

80 00 Set post 4x4 in. 4 ft. 1 ft deep deposited Charred stake, raised mound of Earth 2 1/2 ft high from pits 18 x 24 x 12 in. deep for Standard Corner to Township 33 N Ranges 26 & 27 W.

Land Third rate, Sandhills

June 6th 1875

8th Standard Parallel N. R. 27 W.

N 89° 41' 43" West on true line along South boundary of sec. 36
Va 13° 45' E

40 00 Set post 3x3 in. 4 ft. 1 ft. deep deposited Charred stake, raised mound of Earth ~~with~~ 2 1/2 ft high from pits 18 x 24 x 12 in deep for 1/4 sec. cor.

80 00 Set post 4x4 in 4 ft. 1 ft. deep deposited Charred stake, raised mound of Earth 2 1/2 ft. high from pits 18 x 24 x 12 in. deep for Corner to secs 35 & 36

Sandhills - Soil Third rate

8th Standard Parallel N R 27 W

N 89° 43' West on true line along South boundary of sec. 35
Va 13° 48' E.

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

80 00 Set post 4×4 in. 4 ft. 1 ft. deep deposited charred stake raised mound of Earth 2½ ft high from pits 18×24×12 in. deep for Corner to secs. 34 and 35

Sand hills – Soil, Thirdrate

8th Standard Parallel N. R. 27 W.

N 89° 43' West on true line along South boundary of sec. 34
Va 13° 54' E.

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

71 00 Drain course NW

80 00 Set post 4×4 in 4 ft. 1 ft. deep deposited charred stake, raised mound of Earth ~~with pits~~ 2½ ft. high from pits 18×24×12 in. deep for corner to secs. 33 and 34

Land, Sand hills
Soil, Thirdrate

8th Standard Parallel N. R 27 W.

N89°43' West on true line along South boundary of sec 33
Va 13° 59' E.

4 25 An Old wagon trail bears N 0 S 8 E

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

80 00 Set post 4×4 in. 4 ft. 1 ft. deep deposited Charred stake, raised mound of Earth 2½ ft high from pits 18×24×12 in. deep for Corner to secs 32 & 33

Land, Sandhills. 3d rate

8th Standard Parallel N. R 27 W.

N89°43' West on true line along South boundary of sec. 32
Va 14° 03' E.

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

80 00 Set post 4×4 in. 4 ft. 1 ft. deep deposited Charred stake, raised mound of Earth 2½ ft high from pits 18×24×12 in. deep for Corner to secs 31 and 32

Land Sandhills Third rate

8th Standard Parallel N. R. 27 W.

N 89° 43' West on true line along South boundary of sec. 31
Va 14° 06' E.

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

80 00 Set post 4×4 in. 4 ft. 1 ft. deep deposited charred stake, raised mound of Earth ~~with~~ 2½ ft high from pits 18×24×12 in deep for Standard Corner to Townships 33 N Ranges 27 and 28 W. of M

Land Sandhills
Soil, Thirdrate

8th Standard Parallel N. R. 28 W.

N 89° 43' West on true line along South boundary of sec 36
Va 14° 06' E.

3 70 Gordon's River City and Black Hills Trail bears NE & SW

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

44 25 Gulch course North

71 60 Schlegel's Creek 20 lks wide runs North in deep Cañon 200 ft deep and 10 chains wide

80 00 Set post 4×4 in. 4 ft. 1 ft. deep deposited charred stake, raised mound of Earth 2½ ft high from pits 18×24×12 in deep for corner to secs 35 and 36
Surface gently rolling
Soil sandy thirdrate

8th Standard Parallel N. R 28 W.

N 89° 43' West on true line along South boundary sec. 35
Va 14° 06' E.

40 00 Set post 3 x 3 in. 4 ft. 1 ft. deep deposited Charred stake and raised mound of Earth ~~with~~ 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 sec. cor.

80 00 Set post 4 x 4 in. 4 ft. 1 ft deep deposited Charred stake, raised mound of Earth 2½ ft high from pits 18 x 24 x 12 in deep for corner to Secs 34 & 35

Rolling Sand hills
Soil, Thirdrate

8th Standard Parallel N. R 28 W.

N 89° 43' West on true line along South boundary of sec 34
Va 14° 06' E.

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

80 00 Set post 4 x 4 in 4 ft. 1 ft. deep deposited Charred stake, raised mound of Earth with post 2½ ft high from pits 18 x 24 x 12 in. deep for corner to secs. 33 and 34.

Rolling Sand hills
Soil, Thirdrate

8th Standard Parallel N. R 28 W

N89°43' West on true line along South boundary of sec. 33
Var 14°06' E

13 00 Gulch course North
26 00 Gulch course North
40 00 Set post 3×3 in. 4 ft. 1 ft. deep and deposited Charred stake, raised mound of Earth 2½ ft. high from pits 18×24×12 in. deep for 1/4 sec. Cor.
80 00 Set post 4×4 in. 4 ft. 1 ft. deep, deposited Charred stake, raised mound of Earth 2½ ft high from pits 18×24×12 in. deep for Corner to Secs 32 and 33
Rolling Foothills
Medium dark Sandy soil, Second rate

8th Standard Parallel N. R 28 W.

N89°43' West on true line along South boundary of sec. 32
Var 14°06' E

40 00 Set post 3×3 in. 4 ft. 1 ft. deep deposited charred stake, raised mound of Earth 2½ ft. high from pits 18×24×12 in. deep for 1/4 sec cor.
80 00 Set post 4×4 in. 4 ft. 1 ft. deep deposited Charred stake, raised mound of Earth 2½ ft. high from pits 18×24×12 in. deep for corner to sections 31 & 32

Low, gently rolling foothills
Soil Second rate

8th Standard Parallel N. R. 28 W.

N 89° ~~43~~ 41' West on true line along South boundary of sec. 31
Va 14° 06' E.

40 00 Set post 3x3 in. 4 ft. 1 ft. deep, deposited Charred Stake, raised mound of Earth 2½ ft high from pits 18 x 24 x 12 in. deep for 1/4 sec. Cor.

71 60 Gordons Creek 20 lks wide runs North in a deep Canon — 200 ft. deep

80 00 Set post 4x4 in. 4 ft. 1 ft. deep deposited Charred stake, raised mound of Earth 2½ ft. high from pits 18 x 24 x 12 in. deep for Standard Corner to Townships 33 N. Ranges 28 and 29 W.

Land sandy soil Thirdrate
Canon at 71.60 filled with Pine Cedar, Oak and Ash timber

June 7th 1875

8th Standard Parallel N. R. 29 W.

N 89° ~~43~~ 41' West on true line along South boundary of sec. 36.
Va 11° 06' E.

40 00 Set post. 3x3 in. 4 ft. 1 ft. deep deposited Charred Stake, raised mound of Earth 2½ ft high from pits ~~& per ans~~ 18 x 24 x 12 in. deep for 1/4 sec. Cor.

80 00 Set post 4 x 4 in. 4 ft. 1 ft. deep deposited charred stake, raised mound of Earth 2½ ft. high from pits 18 x 24 x 12 in deep for Corner to secs. 35 and 36

Gently Rolling Sandhills
Soil Thirdrate

8th Standard Parallel N. R 29 W.

N 89° ~~43'~~ 11' West on true line along South boundary of sec. 35
Va 14° 06' E.

40 00 Set post 3 x 3 in 4 ft. 1 ft. deep deposited Charred stake, raised mound of Earth 2 1/2 ft high from pits 18 x 24 x 12 in deep for 1/4 sec. Cor.

80 00 Set post 4 x 4 in. 4 ft. 1 ft. deep deposited Charred stake, raised mound of Earth 2 1/2 ft high from pits 18 x 24 x 12 in. deep for Corner to secs. 34 and 35

Gently rolling Sandhills
Soil Thirdrate

8th Standard Parallel N. R 29 W.

N. 89° ~~43'~~ 11' West on true line along South boundary of sec. 34
Va 14° 09' E.

40 00 Set post 3 x 3 in. 4 ft. 1 ft. deep deposited Charred stake, raised mound of Earth ~~with~~ 2 1/2 ft. high from pits 18 x 24 x 12 in deep for 1/4 sec. Cor.

80 00 Set post 4 x 4 in. 4 ft. 1 ft. deep deposited Charred stake, raised mound of Earth ~~with~~ 2 1/2 ft high from pits 18 x 24 x 12 in. deep for Corner to secs. 33 & 34.

Sandhills
Thirdrate

Eighth Standard Parallel N. R 29 W.

N 89° ~~43'~~ 11" West on true line along South boundary sec 33
Va 11° 11' E.

40 00 Set post 3 x 3 in. 4 ft. 1 ft. deep deposited Charred stake, raised mound of Earth 2 1/2 ft. high from pits 18 x 24 x 12 in. deep for 1/4 sec. cor.

80 00 Set post 4 x 4 in. 4 ft. 1 ft. deep deposited Charred stake, raised mound of Earth 2 1/2 ft high from pits 18 x 24 x 12 in. deep for Corner to secs. 32 & 33

Rolling. Sandhills Soil Thirdrate

Eighth Standard Parallel N. R 29 W.

N 89° ~~43'~~ 11" West on true line along South boundary sec. 32
Va 11° 15' E.

40 00 Set post 3 x 3 in 4 ft. 1 ft. deep deposited Charred stake, raised mound of Earth 2 1/2 ft. high from pits 18 x 24 x 12 in. deep for 1/4 sec. cor.

80 00 Set post 4 x 4 in. 4 ft. 1 ft. deep deposited Charred stake, raised mound of Earth 2 1/2 ft high from pits 18 x 24 x 12 in. deep for Corner to secs 31 and 32 from which An Elm 8 in. diam. bears N. 55 1/2° E. 5 7 lks. dist.
A Hackberry 9 in. diam. bears N. 66° W. 38 lks. dist.
Rolling foothills of Niobrara River
Soil Thirdrate

N. 89° 43' West on true line along South boundary sec. 31
Var. 14° 21' E.

40 00 Set post 3×3 in. 4 ft. 1 ft. deep deposited Charred Stake, raised mound of Earth 2½ ft. high from pits 18×24×12 in. deep for 1/4 sec. cor. from which a pine tree 8 in. diam. bears S 88½° E 10 lks dist.

40 70 Gulch course North

58 00 Leave Foothills and enter river bottom, bears NE & SW.

63 28 A Cottonwood tree 6 in diam. on line

63 75 Set post 3×3 in. 4 ft. 1 ft. deep deposited Charred stake, raised mound of Earth 2½ ft high from pits 18×24×12 in. deep for Corner to fractional sec. 31 and Meander Corner on Right Bank of Niobrara River from which Corner a Pine tree 8 in. diam. bears S 22½° W. 30 lks. dist. The water being shallow I find distance across river by Chaining

76 00 Set post 3×3 in. 4 ft 1 ft. deep deposited Charred stake, raised mound of Earth 2½ ft. high from pits 18×24×12 in. deep for Corner to fractional section 31 and Meander Corner on Left Bank of Niobrara River from which Corner an Elm 28 in. diam bears N. 72° W. 21 lks. dist.

80 00 Set post 4×4 in. 4 ft. 1 ft. deep deposited Charred stake, raised mound of Earth ~~with~~ 2½ ft. high from pits 18×24×12 in. deep for Standard Corner to Townships 33 N. Ranges 29 & 30 W. From which a Hackberry tree 6 in. diam. bears S. 10° E. 17 lks. dist. Land Foothills & bottom, soil third rate Timber in gulches and on Foothills Pine & Cedar & Cottonwood and Elm on River

8th Standard Parallel N. R. 30 W.

N 89° ~~43'~~ 41' West on true line along South boundary of sec. 36
Va 14° 30' E.

11 00 Mouth of Snake River bears South
27 00 Dry Creek Course SW.
40 00 Set post 3×3 in. 4 ft. 1 ft. deep deposited charred stake, raised mound of Earth 2½ ft. high from pits 18×24×12 in. deep for 1/4 sec. cor.
41 00 Leave Valley - Enter hills, bear NE & SW.
80 00 Set post 4×4 in. 4 ft. 1 ft. deep deposited charred stake raised mound of Earth 2½ ft. high from pits 18×24×12 in. deep for corner to sections 35 & 36

Valley Secondrate
Hills Thirdrate

8th Standard Parallel N. R. 30 W.

N 89° ~~43'~~ 41' West on true line along South boundary of sec. 35
Va 14° 27' E.

33 00 Dry Creek course SW.
40 00 Set post 3×3 in. 4 ft. 1 ft deep deposited charred stake, raised mound of Earth 2½ ft high from pits 18×24×12 in. deep for 1/4 sec. cor.
80 00 Set post 4×4 in. 4 ft. 1 ft. deep deposited charred stake, raised mound of Earth 2½ ft high from pits 18×24×12 in. deep for corner to secs. 34 and 35

Rolling Table land
Soil, gravelly, Thirdrate

8th Standard Parallel N. R 30 W

N. 89° 43' West on true line along South boundary of sec 34
Va 14° 21' E.

3 00 Ravine Course SW.
40 00 Setpost 3×3 in. 4 ft. 1 ft. deep deposited charred stake, raised mound of Earth 2½ ft. high from pits 18×24×12 in. deep for 1/4 sec. cor.
40 10 Drain course South
69 50 Ravine course South
80 00 Setpost. 4×4 in. 4 ft. 1 ft. deep deposited charred stake, raised mound of Earth 2½ ft. high from pits 18×24×12 in. deep for corner to secs 33 & 34
Broken Tableland
Soil, sandy, thirdrate

8th Standard Parallel N. R 30 W.

N 89° 43' West on true line along South boundary sec 33
Va 14° 18' E

30 Drain Course South
40 00 Setpost 3×3 in. 4 ft. 1 ft. deep, deposited charred stake, raised mound of Earth 2½ ft. high from pits 18×24×12 in. deep for 1/4 sec. Cor. from which a Pine tree 15 in. diam. bears S 40½° W. 63 lks. distant
40 60 Gulch course SE
69 40 Dry Creek course SE
80 00 Setpost 4×4 in 4 ft. 1 ft. deep deposited charred stake, raised mound of Earth 2½ ft. high from pits 18×24×12 in. deep for corner to secs. 32 & 33
Broken, sandy, gravelly hills
Pine timber in the Gulches

8th Standard Parallel N. R 30 W.

N 89° ~~43'~~ 41' West on true line, along South boundary of sec. 32
Va 14° 16' E.

38 50 Gulch course South
40 00 Set post 3×3 in. 4 ft. 1 ft. deep deposited charred stake raised mound of Earth ~~with~~ 2½ ft high from pits 18×24×12 in. deep for ~~Co~~ 1/4 sec. Cor.
80 00 Set post 4×4 in. 4 ft. 1 ft. deep deposited charred stake, raised mound of Earth 2½ ft. high from pits 18×24×12 in deep for Corner to secs. 31 and 32 from which a Pine tree 14 in. diam bears S. 61° 30' W. 29 lks. distant A Sandstone Cliff bears N. 0° 30' E 214 links dist.
Broken, rocky Foothills
Clay on face of bluffs
Pine timber in gulches
Soil Third rate

8th Standard Parallel N. R 30 W.

N 89° ~~43'~~ 41' West on true line, along South boundary of sec. 31
Va 14° 15' E.

2 75 Gulch course South
40 00 Set post 3×3 in 4 ft. 1 ft. deep deposited charred stake, raised mound of Earth 2½ ft. high from pits 18×24×12 in deep for 1/4 sec. Cor.
52 00 Leave foothills Enter River bottom bears. Morse
66 60 Truck small sharp bend of river for about 2 chains distance
80 00 Set post 4×4 in 4 ft. 1 ft. deep deposited charred stake, raised mound of Earth 2½ ft high for Standard Corner to Townships 33 N. Ranges 30 & 31 W. This Corner stands 10 lks North of Neobrara River and from it. A Cottonwood tree. 10 in diam bears N. 21° 10' E. 114 lks. dist.
A Cottonwood 14 in. diam. bears. N. 48° 30' W. 214 lks. dist
Valley second rate
Foot hills - Third rate

June 8th 1875

8th Standard Parallel N. R. 31 W.

N 89° 43' West on true line along South boundary sec. 36
Va 14° 18' E

To determine the width of the River I measure a base North 2 chains to a point from which a flag previously placed in line on the Right bank bears S 30° 43' W which gives 12.23 as the distance across the River
The river being shallow I also chain the distance across and at

12.23 Set post 3×3 in. 4 ft. 1 ft. deep deposited charred stake, raised mound of Earth 2½ ft. high from pits 18×24×12 in. deep for Corner to fractional section 36 and Meander Corner on Right bank of Niobrara River

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

Eighth Standard Parallel N. R. 31 W.

65 00 Lower bottom-Enter hills bear NW & S

80 00 Set post 4×4 in. 4 ft. 1 ft. deep deposited charred stake raised mound of Earth 2½ ft. high from pits 18×24×12 in. deep for corner to secs 35 and 36
Foot hills & bottom. Third rate Timber; Cottonwood on Bottom and Pine and Cedar on the Bluffs and hills

8th Standard Parallel N. R. 31 W.

N 89° 43' West on true line along South boundary of sec. 35
Va 14° 18' E

30 70 Gulch course North

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

80 00 Set post ~~Depos 4×4 ft. 1 f~~ 4×4 in. 4 ft. 1 ft. deep, deposited charred stake, raised mound of Earth 2½ ft high from pits 18×24×12 in. deep for corner to secs. 34 and 35

Broken hills, soil third rate
Timber, Pine and cedar in gulches

8th Standard Parallel N. R. 31 W.

N 89° 43' West on true line along South boundary sec. 34
Va 14° 18' E

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

77 10 Gordons Sioux City and Black Hills trail bears S 6° E & N 6° W.

80 00 Set post 4×4 in. 4 ft. 1 ft. deep deposited Charred stake, raised mound of Earth 2½ ft. high from pits 18×24×12 in. deep for corner to secs. 33 and 34

Undulating table land
Dark sandy soil 2nd rate

8th Standard Parallel N. R 31 W.

N 89° ~~43'~~ 11" West on true line along South boundary of sec. 33
Va 14° 18' E.

40 00 Set post 3 x 3 in. 4 ft. 1 ft. deep deposited Charred stake, raised mound of Earth 2½ ft. high from pits 18 x 24 x 12 in. deep for 1/4 sec. cor.

80 00 Set post 4 x 4 in. 4 ft. 1 ft. deep deposited Charred stake raised mound of Earth 2½ ft. high from pits 18 x 24 x 12 in. deep for corner to secs. 32 and 33

Undulating table land
Dark, Sandy soil, 2nd rate

Eighth Standard Parallel N. R. 31 W.

N 89° ~~43'~~ 11" West on true line along South boundary of sec 32
Va 14° 18' E.

24 50 Gordon's Sioux City and Black Hills Trail bears NE & SW

40 00 Set post 3 x 3 in. 4 ft. 1 ft. deep deposited Charred stake, raised mound of Earth 2½ ft. high from pits 18 x 24 x 12 in. deep for 1/4 sec. cor.

80 00 Set post 4 x 4 in. 4 ft. 1 ft. deep deposited Charred stake, raised mound of Earth 2½ ft. high from pits 18 x 24 x 12 in. deep for corner to secs. 31 & 32

Land, gently rolling
Soil, dark sandy 2nd rate

Eighth Standard Parallel N. R 31 W

N 89° ~~43'~~ 41' West on true line along South boundary of sec. 31
Va 14° 18' E.

40 00 Set post 3 x 3 in. 4 ft. 1 ft. deep deposited Charred stake, raised mound of Earth 2½ ft. high from pits 18 x 24 x 12 in. deep for 1/4 sec. cor.

41 65 Spring branch 9 links wide runs North

80 00 Set post 4 x 4 in. 4 ft. 1 ft. deep deposited Charred stake, raised mound of Earth 2½ ft. high from pits 18 x 24 x 12 in. deep for Standard Corner to Townships 33 N Ranges 31 & 32 W
Gently rolling tableland
Dark sandy soil, 2nd rate

8th Standard Parallel N. R. 32 W.

N 89° ~~43'~~ 41' West on true line along South boundary sec 36
Va 14° 49' E.

14 30 Set post 3 x 3 in. 4 ft. 1 ft. deep deposited Charred stake, raised mound of Earth 2½ ft high from pits 18 x 24 x 12 in. deep for Corner to fractional sec. 36 and Meander Corner on Right bank of Niobrara river
The courses being shaded ascertain the width of River by chaining

25 50 Set post 3 x 3 in. 4 ft. 1 ft. deep deposited Charred stake, raised mound of Earth 2½ ft. high from pits 18 x 24 x 12 in deep for Meander corner on Left Bank of Niobrara River and Corner to fractional sec. 36

32 40 Set post 3 x 3 in. 4 ft. 1 ft. deep deposited Charred stake, raised mound of Earth 2½ ft. high from pits 18 x 24 x 12 in. deep for Meander Corner on Left Bank of Niobrara river and Corner to fractional sec. 36

8th Standard Parallel N. R. 32 W.

40 00 The print for 1/4 sec. Cor. falls in Niobrara River the corner cannot therefore be established

1 Distance across river found by chain

42 70 Set post 3 x 3 in 4 ft. 1 ft. deep deposited Charred stake, raised mound of Earth 2 1/2 ft. high from pits 18 x 24 x 12 in deep for corner to fractional sec. 36 and Meander Corners on the right bank of Niobrara River.

45 00 Spring branch 5 lks wide runs W

80 00 Set post 4 x 4 in. 4 ft. 1 ft. deep deposited Charred stake, raised mound of Earth 2 1/2 ft high from pits 18 x 24 x 12 in. deep for corner to secs 35 and 36

Land; Surface broken by river and gulches, soil third rate

Timber; Cottonwood along river with Pine & Cedar in gulches

Eighth Standard Parallel N. R. 32 W.

N 89° 48' West on true line along South boundary of sec. 35
Va 14° 52' E.

40 00 Set post 3 x 3 in. 4 ft. 1 ft. deep deposited Charred stake, raised mound of Earth 2 1/2 ft. high from pits 18 x 24 x 12 in. deep for 1/4 sec. Cor.

80 00 Set post 4 x 4 in. 4 ft. 1 ft. deep deposited Charred stake, raised mound of Earth 2 1/2 ft. high from pits 18 x 24 x 12 in. deep for corner to secs 34 and 35

Surface, rolling
Soil, Sandy. Third rate

8th Standard Parallel N. R. 32 W.

N. 89° 43' West on true line along South boundary sec. 34
Va 14° 55' E.

18 05 Gordon's Trail bears N10°E

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

80 00 Set post 4 x 4 in. 4 ft. 1 ft. deep deposited charred stake raised mound of Earth 2½ ft. high from pits 18 x 24 x 12 in. deep for corners sec 33 and 34

Surface, rolling
Soil, sandy, third rate

8th Standard Parallel N. R. 32 W.

N. 89° 43' West on true line, along South boundary sec. 33.
Va 14° 57' E

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

80 00 Set post 4 x 4 in. 4 ft. 1 ft. deep deposited charred stake, raised mound of Earth 2½ ft high from pits 18 x 24 x 12 in. deep for corners sec 32 and 33

Gently, rolling table land
Soil, sandy, third rate

8th Standard Parallel N. R 32 W.

N 89° ~~43~~ 43' West on true line along South boundary of sec. 32
Va 14° 57' E.

40 00 Set post 3 x 3 in. 4 ft. 1 ft. deep deposited charred stake, raised mound of Earth 2½ ft high From pits 18 x 24 x 12 in deep For 1/4 sec cor.

80 00 Set post 4 x 4 in 4 ft. 1 ft. deep, deposited Charred stake raised mound of Earth 2½ ft high From pits 18 x 24 x 12 in. deep for Corner to secs 31 and 32

Gently rolling table land
Soil, Sandy, Thirdrate

~~June 9th 1875~~

8th Standard Parallel N. R 32 W.

N 89° ~~43~~ 43' West on true line along South boundary of sec. 31
Va 14° 57' E

30 43 Set post 4 x 4 in. 5 ft. 1 ft. deep deposited Charred stake, raised mound of Earth 2½ ft deep from pits 18 x 24 x 12 in deep for Closing Corner to Townships 32 N. Ranges 32 & 33 W.

40 00 Set post 3 x 3 in. 4 ft. 1 ft. deep deposited Charred stake, raised mound of Earth 2½ ft. high from pits 18 x 24 x 12 in deep for 1/4 sec cor.

80 00 Set post 6 x 6 in. 5 ft. 1 ft. deep deposited Charred stake, raised mound of Earth 2½ ft. high From pits 18 x 24 x 12 in deep for Standard Corner to Township 33 N Ranges 32 and 33 West.

Surface, rolling
Soil, Sandy, Thirdrate
June 9th 1875

Eighth Standard Parallel North

General Description

The Country along the East 18 miles of the 8th Standard Parallel is rolling sand hills alternated with narrow fertile Valleys.

Soil generally in valleys is dark sandy loam producing a rank growth of grass. suitable for grazing & hay. In ranges 28 & 29 the surface is gently rolling table land sandy soil

Schleyl & Gordon creeks are tributaries of the Niobrara River & streams of clear cold Spring water running in Canons about 200 ft. deep. The Canons are filled with timber Pine Cedar, Oak, Ash, Ironwood & Cretaceous Sandstone crops

Eighth Standard Parallel North

from the sides of the Canions. In Gordon Creek Canon South of the line the water has cut through the rock forming ~~beautiful~~ perpendicular walls. Beautiful Cascades are found on both Creeks.

In ranges 30 and 31 the surface is much broken by the Niobrara River.

The Valley is narrow generally not more than half a mile in width. and generally low and wet. Numerous Small Springs and Rivulets issue from the adjacent gulches. Cottonwood and Willow on the bottom and along the adjacent bluffs. Pine Cedar, Oak Ash etc. Cretaceous Sandstone crops from near the crest of the bluffs along the River. Gray Granite

crops from the River bank in Range 30 West
Slate rock containing fossil leaves was found in the gulches on South side of River in Range 30 W. Also, fine Specimens of petrified woods and fossil bones are found in the gulches and Canons. The Vegitable Kingdom is rich in the variety of its Flora.

The Surface in Ranges 31 & 32 W. is generally undulating and gently rolling Table land, Medium dark sandy soil, short grass good for grazing

Note. Snake River Canon is filled with Pine and Cedar for several miles - Adjacent Hills are covered with Pine

Gordon's trail runs near the 8th Standard Parallel for 31 miles and is an Excellent road for teams. The descent into Niobrara and Snake River bottoms is very abrupt but not dangerous.

A list of the names of the Individuals employed to assist in running, measuring or marking the lines and Corners discribed in the Foregoing Field notes of the 8th Standard Parallel N. From the third to the Fourth Guide Meridian West Showing the Capacities in which they acted:

A. G. Metcalf,	Chainman
T. McNabb,	Chainman
Charles Weller,	Chainman
Edward C. Simmons,	Chainman
Noah Barter,	Cornerman
Francis M. Cushing,	Cornerman
Frank M. Webster	Flayman

We hereby certify that we assisted Robert Harvey Deputy Surveyor, in Surveying the 3rd Guide Meridian between the 8th Standard Parallel North and the North Boundry. The 4th Guide meridian between the 7th and 8th Standard Parallel. The 4th Guide meridian between the 8th Standard Parallel and the north Boundry. and the 8th Standard Parallel from the 3rd to the 4th Guide meridian North of the base line and west of the 6th Principal meridian. That said lines have been in all respects to the best of our knowledge and belief well and faithfully surveyed and the monuments planted according to the instructions of the Surveyor General. and of dimensions character. construction and marking. and in the manner specifically described in the foregoing field notes

Thompson McNabb	Chainman
Arthur G. Metcalf	Chainman
Charles H. Weller	Chainman
Edward C. Simmons	Chainman
Francis M. Cushing	~~Cornerman~~ ~~Mound man~~
Noah Barter	Moundman
Frank A. Webster	Flayman

State of Nebraska } ss.
Howard County

I A. J. Kendall Clerk of the District Court in and for said County and State do hereby certify the above certificate and Names attached, to be a true and correct copy of the original certificate, which was signed in my presence and sworn to before me on the 9th day of August A D 1875 by the parties thereby represented in said certificate

In witness whereof I have hereunto set my hand and Official Seal at St Paul Nebraska this 17th day of August A D 1875

A. J. Kendall
Clerk of Courts,

I Robert Harvey deputy Surveyor do solemnly swear, that in pursuance of a contract wherein Nicholas J Paul and Robert Harvey are contractors with E. E. Cunning Land Surveyor General for the District of Nebraska and Iowa bearing date the 17th day of April 1875 I have well faithfully and truly in my own proper person and in strict conformity to the instructions furnished by the Surveyor General the Surveying Manual, and the Laws of the United States Surveyed the 8th Standard Parallel north from the 3rd to the 4th Guide meridian West. North of the Base line and West of the 6th Principal Meridian in the State of Nebraska, 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 have been Established and perpetuated in

strict accordance with the Surveyor
General's Manual, printed Instructions, and Special
Instructions of the Surveyor General
of dimensions, character, construction
and marking, and in the manner as
specifically described in the fore-
going field notes, and that the foregoing
are the true and original field notes of
such Survey

Robert Harvey

Subscribed in my presence, and
sworn to before me this 17th day of
August A.D. 1875

A. G. Kendall
Clerk Dist Court
Howard Co Nebraska

Surveyor General's Office
Plattsmouth Neb. Sept 21st 1875

The foregoing field notes of the survey of the 8th Standard Parallel from the 3d to the 4th Guide Meridian W. executed by Robert Harvey under joint Contract No 88 dated April 19th 1875. in the months of May and June 1875. having been critically examined, the necessary corrections and explanations made, the said field notes and the surveys they describe are hereby approved.

Jno F Clark
Surveyor General

Eighth
Standard Parallel
from
4th to 5th G. M.

Page 5 [illegible]

(P.)

(A)

Book

Field Notes
of the
Survey and Establishment of the Eighth Standard Parallel North of the Base line from the Fourth to the Fifth Guide Meridian West of the Sixth Principal Meridian Nebraska; surveyed by Frank M. Crowell deputy Surveyor under joint Contract number 107 bearing date July 30th 1877 wherein Nicholas J. Paul and Frank M. Crowell are joint Contractors with John R. Clark U. S. Surveyor General for the District of Iowa and Nebraska

Survey Commenced Sept. 7th 1877
Survey Completed Sept 9th 1877

(B.)

Names and duties of Assistants

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

Eighth Standard Parallel North R 33 West

Begin at the established Standard Corner to Townships 33 North of ranges 32 and 33 West of the Sixth Principal Meridian, being the 9th Initial point of the Fourth Guide Meridian West to establish the Eighth Standard Parallel North as per instructions and run West on a true line along the South boundary of sec. 36

Variation by Burts Improved Solar Compass 14° 35' E

25 00 Gordon's Sioux City and Black Hills Trail bears N E and S W.

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

80 00 Set a charred red cedar post 3×3 in 4½ ft 1 ft deep, raised mound of earth 2½ ft. high from pits 18×24×12 in deep for Standard Corner to secs 35 and 36

Gently rolling table land

Soil sandy. Second rate

Eighth Standard Parallel North Range 33 West.

West on true line along South boundary of section 35
Va 14° 36' E

24 50 Gordons trail bears SE and NW.

40 00 Set a charred red cedar post 2x3 in 4 ft 1 ft deep raised mound of earth 2½ ft high from pits 18x24x12 in deep for 1/4 sec. cor.

80 00 Set a charred red cedar post 3x4 in 4 ft. 1 ft deep. raised mound of earth 2½ ft. high from pits 18x24x12 in deep for Standard Corner to secs 34 and 35

Gently rolling tableland
Soil secondrate sandy

8th Standard Parallel N. R 33 West

West on true line along the South boundary of sec. 34
Va 14° 38' E.

40 00 Set a charred red cedar post 2x3 in 4 ft 1 ft deep, raised mound of earth 2½ ft high from pits 18x24x12 in deep for 1/4 sec. cor

80 00 Set a charred Red Cedar post 3x4 in 4 ft 1 ft deep, raised mound of earth 2½ ft high from pits 18x24x12 in deep for Corner to secs 33 and 34

Gently rolling table land
Soil sandy secondrate

8th Standard Parallel N. R 33 West.

West on true line alon South boundary of sec 33
Va 14° 40' E

40 00 Set a charred red cedar post 3x3 in 4 ft. 1 ft deep, raised mound of earth 2 1/2 ft high from pits 18x24x12 in deep for 1/4 sec cor

80 00 Set a charred Red cedar post 4x4 in 4 ft 1 ft deep, raised mound of Earth 2 1/2 ft high from pits 18x24x12 in deep for Standard Corner to secs 32 and 33

Gently rolling tableland
Soil secondrate

8th Standard Parallel N. R 33 W.

West on true line alon South boundary of sec. 32
Va 14° 40' E

40 00 Set a charred Red Cedar post 3x3 in 4 ft. 1 ft deep raised mound of earth 2 1/2 ft. high from pits 18x24x12 in deep for 1/4 sec cor.

80 00 Set a charred Red Cedar post 4x4 in 4 ft. 1 ft deep, raised mound of earth 2 1/2 ft high from pits 18x24x12 in deep for Standard Corner to secs 31 and 32

Gently rolling tableland
Soil secondrate, sandy

8th Standard Parallel N. Range 33 West

West on true line along South boundary of sec 31
Va 14° 40' E.

13 50 Gordon's Dover City and Black Hills trail bears N E & S W.

38 00 Ravine 3 chains wide course N W

40 00 Set a charred Red cedar post 3x3 in 4 ft 1 ft deep, raised mound of earth 2½ ft high from pits 18x24x12 in deep for 1/4 sec cor, from which An Ash 8 in. diam bears N. 85° E 80 lks dist

80 00 On bank of Cañon, Set a charred Red cedar post 4x4 in 4 ft 1 ft deep raised mound of earth 2½ ft high from pits 18x24x12 in deep for Standard Corner to Tows 33 N Ranges 33 & 34 W. from which A pine 15 in diam. bears S 2° E 85 lks dist A pine 6 in. diam. bears N 20° E 25 lks dist. A pine 18 in diam bears N 45° W 100 lks distant Gently rolling — Soil second rate

8th Standard Parallel N. R 34 W 6th P.M.

West on true line along South boundary of sec, 36
Va 14° 35' E

8 50 Spring branch 2 lks wide runs N E.

20 00 Drain course N E. (Head of branch)

33 00 Same Drain course N E

40 00 Set a charred Red cedar post 3x3 in 4 ft 1 ft deep, raised mound of earth 2½ ft high from pits 18x24x12 in deep for 1/4 sec cor.

45 00 Leave rough and enter gently rolling upland bears N E & S W.

80 00 Set a charred Red cedar post 4x4 in 4 ft 1 ft deep raised mound of earth 2½ ft high from pits 18x24x12 in deep for Standard Corner to secs 35 and 36

Timber: Pine and Cedar in Cañon and along Spring branch & Drain
Soil Second rate, sandy

8th Standard Parallel N. Range 34 West

West on true line along South boundary of sec 35
Var 14° 30' E.

10 50 Gordons trail bears N and S.

40 00 Set a charred Red Cedar post 3x3 in 4 ft. 1 ft deep, raised mound of earth 2½ ft high from pits 18x24x12 in deep for 1/4 sec. Cor.

80 00 Set a charred Red Cedar post 4x4 in. 4 ft. 1 ft deep, raised mound of Earth 2½ ft. high from pits 18x24x12 in deep for Standard Corner to secs 34 & 35.

Land gently rolling
Soil Thirdrate

Eighth Standard Parallel North Range 34 West

West on true line along the South boundary of sec 34
Var 14° 28' E.

40 00 Set a charred Red Cedar post 3x3 in 4 ft. 1 ft. deep, raised mound of Earth 2½ ft. high from pits 18x24x12 in deep for 1/4 sec. Cor.

80 00 Set a charred Red Cedar post 4x4 in 4 ft 1 ft. deep raised a mound of Earth 2½ ft. high from pits 18x24x12 in deep for Standard Corner to secs. 33 and 34

Gently rolling Upland
Soil secondrate

Eighth Standard Parallel North Range 34 West

West on true line along the South boundary of sec 33
Va 14° 30 E.

40 00 Set a chained Red cedar post 3x3 in 4 ft. 1 ft deep, raised mound of earth 2½ ft. high from pits 18x24x12 in. deep for 1/4 sec cor.

80 00 Set a chained Red Cedar post 4x4 in 4 ft 1 ft. deep raised mound of Earth 2½ ft. high from pits 18x24x12 in. deep for Standard Corner to secs 32 and 33

Land gently rolling
Soil secondrate

8th Standard Parallel North Range 34 W.

West on true line along South boundary of sec. 32
Va 14° 30' E

40 00 Set a chained Red Cedar post 3x3 in. 4 ft. 1 ft. deep, raised mound of Earth 2½ ft. high from pits 18x24x12 in deep for 1/4 sec. cor.

80 00 Set a chained Red cedar post 4x4 in. 4 ft. 1 ft. deep raised a mound of earth 2½ ft high from pits 18x24x12 in deep for Standard Corner to secs. 31 and 32

Land gently rolling
Soil Secondrate

Eighth Standard Parallel North Range 34 W.

West on true line along South boundary of sec 31
Va 14° 35' E.

40 00 Set a chamed Red Cedar post 3x3 in. 4 ft. 1 ft. deep, raised mound Earth 2½ ft. high from pits 18x24x12 in deep for 1/4 sec cor.

80 00 Set a chamed Red Cedar post 4x4 in. 4 ft. 1 ft. deep, raised mound of Earth 2½ ft high from pits 18x24x12 in. deep for Standard Corner to Townships 33 North Ranges 34 and 35 W.

Land, gently rolling
Soil Secondrate, Sandy
September 6th 1877

Note: From this point onword on the Standard Parallel and Meridian James Templeton and Rodney Crow take the places of W. S. Orr and Frank Mannel as Chainman for the more successful working of the party

Eighth Standard Parallel North Range 35 W.

West on true line along South boundary of sec 36
Va 14° 36' E.

40 00 Set a chamed Red Cedar post 3x3 in. 4 ft. 1 ft. deep, raised mound of earth 2½ ft. high from pits 18x24x12 in. deep for 1/4 sec. cor.

80 00 Set a chamed Red Cedar post 4x4 in. 4 ft. 1 ft. deep raised mound of earth 2½ ft. high from pits 18x24x12 in. deep for Standard corner to secs. 35 and 36

Land, gently rolling
Soil, Secondrate

Eighth Standard Parallel North R. 35 West

West on true line along South boundary of sec. 35
Va 14° 36' E.

40 00 Set a chamed Red Cedar post 3x3 in. 4 ft. 1 ft. deep, raised mound of Earth 2 1/2 ft. high from pits 18x24 x12 in. deep for 1/4 sec. Cor.

80 00 Set a chamed Red Cedar post 4x4 in. 4 ft. 1 ft. deep, raised mound of Earth 2 1/2 ft. high from pits 18x24 x12 in. deep for Standard Corner to secs. 34 and 35

Land, gently rolling
Soil, secondrate

Eighth Standard Parallel North R 35 West

West on true line along South boundary of sec 34
Va 14° 36' E

40 00 Set a chamed Red Cedar post 3x3 in 4 ft. 1 ft. deep, raised mound of earth 2 1/2 ft. high from pits 18x24x12 in. deep for 1/4 sec cor

80 00 Set a chamed Red Cedar post 4x4 in 4 ft. 1 ft. deep, raised mound of earth 2 1/2 ft. high from pits 18x24 x12 in deep for Standard Corner to secs. 33 and 34.

Land, gently rolling
Soil Secondrate

Eighth Standard Parallel North Range 35 West

West on true line along South boundary of sec 33
Va 14° 40' E

140 00 Set a charred Red Cedar post 3x3 in 4 ft 1 ft. deep raised mound of earth 2 1/2 ft. high from pits 18x24x12 in deep for 1/4 sec. cor.

80 00 Set a charred Red Cedar post 4x4 in 4 ft. 1 ft. deep, raised mound of earth 2 1/2 ft high from pits 18x24x12 in. deep for Standard Corner to secs. 32 and 33

Land, gently rolling
Soil, Secondrate

Eighth Standard Parallel North Range 35 West

West on true line along South boundary of sec 32
Va 14° 40' E

140 00 Set a charred Red Cedar post 3x3 in. 4 ft. 1 ft. deep, raised mound of earth 2 1/2 ft. high from pits 18x24x12 in. deep for 1/4 sec cor.

80 00 Set a charred Red Cedar post 4x4 in 4 ft. 1 ft. deep, raised mound of Earth 2 1/2 ft. high from pits 18x24x12 in. deep for Standard Corner to secs 31 and 32

Land, gently, Rolling
Soil. Secondrate

Eighth Standard Parallel North Range 35 West

West on true line along South boundary of sec. 31
Va 14° 40' E

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

80 00 Set a charred Red Cedar post 4×4 in 4 ft. 1 ft. deep, raised mound of earth 2½ ft. high from pits 18×24×12 in deep for Standard Corner to Townships 33 North Ranges 35 and 36 West.

Land gently rolling
Soil, secondrate

Eighth Standard Parallel North Range 36 W.

West on true line along South boundary of sec. 36
Va 14° 40' E.

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

80 00 Set a charred Red cedar post 4×4 in 4 ft. 1 ft. deep raised mound of Earth ~~with pits~~ 2½ ft high from pits 18×24×12 in deep for Standard Corner to secs. 35 and 36.

Land gently rolling
Soil sandy secondrate

8th Standard Parallel North Range 36 West

West on true line along South boundary of sec 35
Va 14° 40' E

40 00 Set a charred Red Cedar post 3x3 in 4 ft. 1 ft. deep and raised mound of Earth 2½ ft. high from pits 18x24x12 in. deep for 1/4 sec. cor.

80 00 Set a charred Red Cedar post 4x4 in 4 ft. 1 ft. deep, raised mound of Earth 2½ ft. high for Standard Corner to Secs 34 and 35
Land gently Rolling
Soil Secondrate

8th Standard Parallel N R 36 West

West on true line along South boundary of sec. 34
Va 14° 42' E

40 00 Set a charred Red Cedar post 3x3 in. 4 ft. 1 ft. deep, raised mound of Earth 2½ ft. high from pits 18x24x12 in deep for 1/4 sec cor

80 00 Set a charred Red Cedar post 4x4 in. 4 ft. 1 ft. deep raised mound of earth 2½ ft. high from pits 18x24x12 in. deep for Corner to secs. 33 and 34
Land gently rolling
Soil Secondrate

8th Standard Parallel N. R 36 West

West on true line along South boundary of sec 33
Va 14° 45' E.

40 00 Set a charred Red cedar post 3x3 in. 4 ft. 1 ft. deep, raised mound of earth 2½ ft. high from pits 18x24x12 in deep for 1/4 sec. cor.

80 00 Set a charred Red cedar post 4x4 in. 4 ft. 1 ft. deep, raised mound of earth 2½ ft. high from pits 18x24x12 in deep for Standard corner to secs 32 and 33

Land gently rolling
Soil secondrate

8th Standard Parallel N. R. 36 W.

West on true line along South boundary of sec. 32
Va 14° 45' E

40 00 Set a charred Ash post 3x3 in 4 ft. 1 ft. deep, raised mound of Earth ~~with pits~~ 2½ ft high from pits 18x24x12 in. deep for 1/4 sec cor.

80 00 Set a charred Ash post 4x4 in 4 ft. 1 ft. deep, raised mound of Earth 2½ ft. high from pits 18x24x12 in. deep for Standard corner to secs 31 and 32

Land gently rolling
Soil Secondrate

Eighth Standard Parallel North Range 36 West

West on true line along South boundary of sec 31
Var 14° 45' E

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

80 00 Set a charred ash post 4×4 in 4 ft. 1 ft. deep raised mound of earth 2½ ft. high from pits 18×24×12 in deep for Standard Corner to Townships 33 North Ranges 36 and 37 West.

Land gently Rolling
Soil Sandy Secondrate

8th Standard Parallel North R 37 West.

West on true line along South boundary of sec. 36
Var 14° 48' E

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

80 00 Set a charred Red Cedar post 4×4 in. 4 ft. 1 ft. deep, raised mound of earth 2½ ft. high from pits 18×24×12 in deep for Standard Corner to secs 35 and 36

Land sandy undulating
Soil Secondrate

to Here

8th Standard Parallel North Range 37 Wes

West on true line along South boundary of sec. 35
Va 14° 55'

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

80 00 Set a charred Red Cedar post 4×4 in 4 ft. 1 ft. deep, raised mound of earth 2½ ft. high from pits 18×24×12 in deep for Standard Corner to secs 34 and 35
Land gently Rolling
Soil Secondrate.

Eighth Standard Parallel North Range 37 W.

West on true line along South boundary of sec. 34
Va 14° 56' E

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

80 00 Set a charred Red Cedar post 4×4 in. 4 ft. 1 ft. deep, raised mound of earth 2½ ft. high from pits 18×24×12 in deep for Standard Corner to secs. 33 and 34
Land gently rolling
Soil, sandy secondrate
September 7th 1877

Eighth Standard Parallel North Range 37 W.

West on true line along South boundary of sec. 33
Va 14° 56' E.

40 00 Set a charred Red Cedar post 3x3 in. 4 ft. 1 ft. deep, raised mound of earth ~~with~~ 2½ ft. high from pits 18x24x12 in. deep for 1/4 sec. cor.

80 00 Set a charred Red Cedar post 4x4 in. 4 ft. 1 ft. deep, raised mound of Earth ~~with pits~~ 2½ ft. high from pits 18x24x12 in deep for Standard Corner to secs 32 & 33

Land gently rolling
Soil second rate

Eighth Standard Parallel North, Range 37 W.

West on true line along South boundary of sec. 32
Va 14° 56' E.

40 00 Set a charred Red Cedar post 3x3 in. 4 ft. 1 ft. deep raised mound of Earth 2½ ft. high from pits 18x24x12 in. deep for 1/4 sec. cor.

80 00 Set a charred Red Cedar post 4x4 in. 4 ft. 1 ft. deep, raised mound of Earth 2½ ft. high from pits 18x24x12 in deep for Standard Corner to secs. 31 and 32

Land gently Rolling
Soil second rate sandy

Eighth Standard Parallel North R. 37 W.

West on true line along South boundary of sec. 31
Va 14°56' E

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

80 00 Set a charred Ash post 4×4 in 4 ft. 1 ft. deep, raised mound of earth 2½ ft. high from pits 18×24×12 in. deep for Standard Corner to Townships 33 North Ranges 37 and 38 West

Land gently Rolling
Soil secondrate

Eighth Standard Parallel North, Range 38 West

West on true line along South boundary of section 36
Va 14°56' E

19 00 Leave undulating upland enter high level bottom, bears N & S & W.

21 90 Gordons trail bears N & S & W.

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

80 00 Set a charred Ash post 4×4 in 4 ft 1 ft. deep, raised mound of earth 2½ ft. high from pits 18×24×12 in. deep for Standard corner to secs. 35 and 36

First 19 chains gently rolling, 2nd rate
Balance; high level bottom, 1st rate

Eighth Standard Parallel North. R 38 W.

West on true line along South boundary of sec. 35
Va 14° 56' E.

40 00 Set a charred Ash post 3×3 in 4 ft. 1 ft. deep, raised mound of earth with pits as per instructions for 1/4 sec. Co.

80 00 Set a charred ash post. 4×4 in 4 ft. 1 ft. deep, raised mound of Earth 2½ ft. high from pits 18×24×12 in. deep for Standard Corner to secs 34 and 35

Land high level bottom
Soil first rate

Eighth Standard Parallel N. R. 38 West

West on true line along South boundary of sec. 34
Va 14° 56' E.

23 70 Niobrara River 100 lks wide 1 ft. deep on gravelly bottom runs N.E. Leave high and enter low bottom at river

39 50 Leave low bottom and enter broken upland bearing N.E. & S.W.

40 00 Set a Limestone 18×10×5 inches raised mound of earth 2½ ft high from pits 18×24×12 in deep for 1/4 sec. cor.

46 00 Gulch 3 chains wide bears N.E.

50 00 Leave brush and enter high bottom bears N.E. & S.W.

80 00 Set a charred Red Cedar post 4×4 in. 4 ft. 1 ft. deep raised mound of earth ~~with pits as per~~ 2½ ft high from pits 18×24×12 in deep for Standard Corner to secs 33 and 34

Land; High and low bottom 1st rate
Upland broken third rate
Red Cedar in gulch at 46.00 ch

8th Standard Parallel N. R. 38 West.

West on true line along South boundary of sec. 33
Va 14°56' E.

40 00 Set a charred Red cedar post, 3x3 in 4 ft. 1 ft. deep, raised mound of Earth 2½ ft. high from pits 18x24x12 in deep for 1/4 Sec. Cor.

70 00 Leave high level valley and entering upland bears NE & SW.

80 00 Set a charred Red Cedar post 4x4 in 4 ft. 1 ft. deep, raised mound of Earth 2½ ft. high from pits 18x24x12 in deep for Standard Corner to secs 32 and 33

High valley; first rate
Upland rolling Second rate

8th Standard Parallel N. R. 38 West

West on true line along South boundary of sec. 32
Va 14°56' E

40 00 Set a charred Red cedar post, 3x3 in 4 ft. 1 ft. deep, raised mound of Earth 2½ ft. high from pits 18x24x12 in deep for 1/4 sec cor.

80 00 Set a charred Red cedar post 4x4 in 4 ft. 1 ft. deep, raised mound of Earth 2½ ft. high from pits 18x24x12 in. deep for Standard Corner to secs. 31 and 32

Land, rolling
Soil Sandy Third rate

Eighth Standard Parallel North R. 38 W.

West on true line along South boundary of sec. 31
Va 14° 56' E

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

80 00 Set a charred Red Cedar post 4×4 in 4 ft. 1 ft. deep raised mound of earth 2½ ft. high, from pits 18×24×12 in deep for Standard Corner to Townships 33 N Ranges 38 and 39 West

Land rolling & hilly
Soil sandy thirdrate

Eighth Standard Parallel North R. 39 W.

West on true line along South boundary of sec. 36
Va 14° 56' E

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

80 00 Set a charred Red Cedar post 4×4 in. 4 ft. 1 ft. deep, raised mound of earth 2½ ft. high from pits 18×24×12 in. deep, for corner to sections 35 and 36

Rolling Upland
Soil secondrate

8th Standard Parallel North Range 39 W.

West on true line along South boundary of sec. 35
Va 14°56' E.

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

80 00 Set a charred Red Cedar post 4×4 in 4 ft. 1 ft. deep, raised mound of earth 2½ ft. high from pits 18×24×12 in deep for Standard Corner to secs 34 & 35

Eighth Standard Parallel North Range 39 W.

West on true line along South boundary of sec. 34
Va 14°56' E.

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

80 00 Set a charred Red Cedar post 4×4 in. 4 ft. 1 ft. deep, raised mound of earth 2½ ft high from pits 18×24×12 in deep for Standard Corner to sections 33 and 34

Surface rolling, hilly
Soil secondrate

Eighth Standard Parallel N. R 39 W.

West on true line along South boundary of sec. 33
Va 14°56' E

40 00 Set a charred Red Cedar post 3x3 in. 4 ft. 1 ft. deep, raised mound of earth 2½ ft. high from pits 18x24x12 in deep for 1/4 Sec. Cor.

80 00 Set a charred Red Cedar post 4x4 in. 4 ft. 1 ft. deep, raised mound of earth 2½ ft. high from pits 18x24x12 in deep for Standard Corner to Secs 32 and 33

Surface Almost level
Soil dark loam 1st rate

Eighth Standard Parallel North R. 39 West

West on true line along South boundary of sec. 32
Va 14° 56' E

40 00 Set a charred red cedar post 3x3 in. 4 ft. 1 ft. deep, raised mound of earth 2½ ft. high from pits 18x24x12 in deep for 1/4 sec. Cor.

80 00 Set a charred Red cedar post 4x4 in. 4 ft. 1 ft. deep, raised mound of Earth 2½ ft. high from pits 18x24x12 in deep. for Standard Corner to secs 31 and 32

Land nearly level
Soil, rich clayey loam, first rate

Eighth Standard Parallel N. R. 39 West

West on true line along South boundary of sec. 31
Va 14° 56' E.

40 00 Set a chained Red Cedar post 3x3 in. 4 ft. 1 ft. deep, raised mound of Earth 2½ ft. high from pits 18x24x12 in. deep for 1/4 sec. Cor.

80 00 Set a chained Red Cedar post 4x4 in. 4 ft. 1 ft. deep, raised mound of earth 2½ ft. high from pits 18x24x12 in. deep for Standard Corner to Township 38 North Ranges 39 and 40 West

Start

Land nearly level
Soil, rich clayey loam, first rate
September 8th 1877

Eighth Standard Parallel North, Range 40 West.

West on true line along South boundary of sec. 36
Va 14° 56' E

40 00 Set a chained Red Cedar post 3x3 in. 4 ft. 1 ft. deep, raised mound of earth 2½ ft. high from pits 18x24x12 in. deep for 1/4 sec. Cor.

80 00 Set a chained Red Cedar post 4x4 in 4 ft. 1 ft. deep raised mound of Earth 2½ ft. high from pits 18x24x12 in & deep for Standard Corner to secs. 35 and 36

Land nearly level
Soil first rate, clay loam

Eighth Standard Parallel North Range 40 W

West on true line along South boundary of sec. 35
Va 14°56' E

32 00 Leave level and enter rolling prairie bears N & S.

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

80 00 Set a chamfered Red Cedar post 4×4 in. 4 ft. 1 ft. deep raised mound of earth 2½ ft. high from pits 18×24×12 in. deep for Standard Corner to secs 34 and 35

Land rich clay loam 1st rate first 32.00 chains nearly level balance Rolling—

Eighth Standard Parallel N. R. 40 West

West on true line along South boundary of sec 34
Va 14°56' E.

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

80 00 Set a chamfered Red Cedar post 4×4 in. 4 ft. 1 ft. deep, raised mound of earth 2½ ft high from pits 18×24×12 in. deep for Standard Corner to secs 33 and 34

Rolling clay hills
Soil good 2nd rate

Eighth Standard Parallel North Range 40 West

West on true line along South boundary of sec 33
Va 14° 56' E

3 00 Drain course S E

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

80.00 Set a chaned Red Cedar post 4×4 in 4 ft. 1 ft. deep raised mound of Earth 2½ ft high from pits 18×24×12 in deep for Standard Corner to secs 31 and 32
mor 33
Land Rolling with many Croppings of Limestone on slope
Soil Firstrate

Eighth Standard Parallel N. R. 40 W.

West on true line along South boundary of sec. 32
Va 14° 56' E

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

80 00 Set a chaned Red Cedar post 4×4 in 4 ft. 1 ft. deep raised mound of Earth 2½ ft high from pits 18×24×12 in. deep for Standard corner to secs 31 and 32
Land gently rolling
Soil, Clay loam firstrate

Eighth Standard Parallel N. Range 40 W

West on true line along South boundary of sec. 31
Va 14°56' E

40 00 Set a chained Red Cedar post 3×3 in 4 ft. 1 ft. deep, raised mound of earth 2½ ft. high from pits 18×24×12 in. deep for 1/4 sec. Cor.
41 00 Drain course SW.
76 00 Dry bed of Antelope Creek course SE
79 00 Dry bed of Antelope Creek course NE
Water is found in pools near by
80 00 Set a chained Red Cedar post 5×6 in. 5 ft. 1 ft. deep, raised mound of earth 3 ft high from pits 24×30 ~~in~~ 24 in deep for Standard Corner to Townships 33 N, Ranges 40 and 41 West, and the Ninth Initial point on the 5th Guide Meridian West
Land gently rolling.
Soil Firstrate
September 9th 1877

Eighth Standard Parallel N. Rs 32 to 40 W

— General Description —

The country along this line consists of rolling, level and undulating prairie as designated in the field notes Pine and Cedar timber of good quality is found in gulches in many places between the Parallel and the Niobrarah River.
The general surface is with a good growth of grass. Buffalo grass is found in abundance on the high bottom lands along the River which is crossed by this line in sec. 34. T. 33 R 38 W.
Much of the land is adapted to Agriculture. particularly the growth of small grain &c. And all is well adapted to grazing. The Niobrara

is a beautiful rapid running stream of clear pure water And will afford excellent water power at almost any point.
It is believed that this land will, without irrigation, yield a crop to the husbandman a remunerative reward for his labor the same as other portions of the State South and East have done in despite of the many opinions to contrary which have prevailed until Experience demonstrated their fallacy
Croppings of Limestone are visible in many places adjacent to this line and more particularly towards the West end of the Parallel

We hereby certify that we assisted Frank M. Crowell deputy surveyor in surveying and establishing the Eighth Standard Parallel North of the base line from the Fourth to the Fifth Guide Meridian West in Nebraska and that said Eighth 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 of dimensions character construction & marking and in the manner as specifically described in the foregoing field notes

Arthur D. Sears, Chainman
George Haden Chainman
Rodney Crows Chainman
James Templeton Chainman
J. H. Monahan Cornerman
Wm. J. Thompson Cornerman
H. R. Bacon Flagman

signed in my presence and sworn to before me this 15 day of Nov 1877

A. G. Kendall
Clerk Dist. Ct.
Howard Co. Nebr

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

Construction & Marking & in the manner as specifically described in the foregoing field notes, and that the foregoing are the true and Original Field Notes of such Survey

Frank M Crowell

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

A. J. Kendall
Clerk Dist Court
Howard Co Nebr
By W. R. Stitt Dep

Surveyor General's Office
Plattsmouth Neb. Jan. 22d/78

The foregoing field Notes of the survey and Establishment of the of the 8th Standard Parallel North, from the 4th to the 5th Guide Meridian West. in the State of Nebraska, Executed by Frank M. Crowell deputy Surveyor under final Contract No 107 dated July 30th 1877, in the month of September 1877, having been critically Examined, the necessary Corrections and Explanations made the said field notes and the surveys thereby discribe are hereby approved.

Jno. R. Clark
Surveyor General

Certif.

E.D.S.

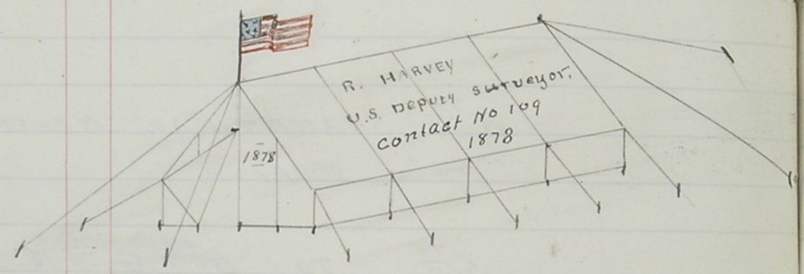
8TH STANDD PARL NORTH

FROM

5TH TO 6TH G.M.W.

Cont 109 July 31 1878

(PL.)



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 7th Standard Parallel from the 4th to the 5th Guide Meridian, and the 7th and 8th Standard Parallels from the 5th to the 6th Guide Meridian, all north of the Base Line and West of the 6th Principal Meridian in Nebraska, showing the respective capacities in which they acted

William Culbertson Chainman
David Davis Chainman
W. S. Orr Chainman
S. F. Kenney Chainman
E. J. Seeley Mounduman
Max Amende Mounduman
Samuel Britton Mounduman
Edwin Turner Flagman

From the Corner to Township 32 North on the 6th Guide Meridian West I set off the temporary Convergency on the 8th Standard Parallel North by running West 85 Ch and 57 links where I set temporary Corner to Township 33 North Ranges 48 & 49 West, from which I run East on a random line on the 8th Standard Parallel setting temporary half Mile and Mile posts at every 40 and 80 Chains and at 47 Miles 79 Chains and 24 links & to a point 7 chains and 84 links South of Standard Corner to Township 33 North Ranges 40 and 41 West

Note— Cedar post 4 x 4 in x ft in Mound

The correction for the true line is therefore 76 links West and 16 links North per mile

8th Standard Parallel North Range 41 West

South 89° 55' West on a true line along the South boundary of Section 36
Va 14° 45' E

4	90	East Branch of Antelope Creek 40 lks wide runs S.E.
11	00	Same Creek runs North
17	50	Same Creek water in holes Course S.E.
28	00	Same Creek water in holes Course North
38	80	Same Creek water in holes Course South
40	00	Deposit Charred Stake, Set Pine post 3 x 3 in 4½ ft 1 ft deep raised Mound of earth 2½ ft high from pits 24 x 24 x 12 in deep for ¼ Standard Section Corner
80	00	Deposit Charred Stake, Set Pine post 4 x 4 in. 4½ ft 1 ft deep raised mound of earth 2½ ft high from pits 24 x 24 x 12 in deep for Standard Corner to Sections 35 and 36

East 40 Chains level broken by creek Secondrate West 40 level black Soil First rate

8th Standard Parallel North. Range 2 West

South 89°55 West on a true line, along the South boundary of Section 35
Va 14 45 E

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

80 00 Deposit Charred Stake, Set Pine post 4 x 4 in. 4½ ft 1 ft dep, raised Mound of earth 2½ ft high from pits 24 x 24 x 12 in deep for Standard Corner to Sections 34 and 35

Surface, Gently undulating
Good dark soil
Firstrate

8th Standard Parallel North Range 2 West

South 89°55 West on a true line along the South boundary of Section 34
Va 14° 45' E

11 70 Antelope Creek water holes Crossed

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

80 00 Deposit Charred Stake Set Pine post 4 x 4 in. 4½ ft 1 ft dep, raised Mound of earth 2½ ft high from pits 30 x 30 x 18 in deep for Standard Corner to Sections 33 and 34

Gently rolling prairie, dark clay soil, firstrate

8th Standard Parallel North Range 41 West

South 89°55 West on a true line along the South boundary of Section 33
Va 14° 45'E

40 00 Deposit Charred Stake, Set Pine Post 3x4 in. 4½ ft 1 ft deep, raised Mound of earth 2½ ft high from pits 36 x 36 x 18 in deep for 1/4 Sec Cor,

80 00 Deposit Charred Stake, Set Pine Post 4 x 4 in. 4½ ft 1 ft deep raised mound of earth 3 ft high from pits 36 x 36 x 18 in deep for Standard Corner to Sections 32 and 33

Gently rolling Surface, dark clayey loam Soil
Fertile land

8th Standard Parallel North Range 41 West

South 89°53 West on a true line along the South boundary of Section 32
Va 14° 45'E

40 00 Deposit Charred Stake, Set Pine Post 3 x 3 in 4½ ft 1 ft deep raised mound of earth 3 ft high from pits 36 x 36 x 18 in deep for 1/4 Sec Cor

80 00 Deposit Charred Stake, Set Pine Post 4 x 4 in. 4½ ft 1 ft deep, raised mound of earth 3 ft high from pits 36 x 36 x 18 in deep for Standard Corner to Sections 31 and 32

Gently rolling prairie, dark clay soil Good Secondary land

8th Standard Parallel North Range 41 West

South 89°53' West on a true line along the South boundary of Sec 31

4 73 [illegible] Va 14° 45' E

4 73 Grand Island and Black Hills Wagon Road Vrs N.W. and S.E.

40 00 Deposit Charred stake, Set Box Elder Post 3 x 3 in. 4 ft 1 ft deep, raised Mound of earth 3 ft high from pits 36 x 36 x 18 in deep for 1/4 Sec Cor

80 00 Deposit Charred stake, Set Limestone 17 x 13 x 5 in, raised Mound of earth 3 ft high from pits 36 x 36 x 18 in deep for Standard Corner to Township 33 N Ranges 41 and 42 W

Rolling Prairie, dark ~~Clay Soil~~ Gravelly Soil. Secondrate

8th Standard Parallel North Range 42 W.

South 89°53 West on a true line along the South boundary of Section 36

Va 14° 48' E

40 00 Deposit Charred stake, Set Limestone 7 x 6 x 2 raised Mound of earth 3 ft high from pits 36 x 36 x 18 in deep for 1/4 Sec Cor

80 00 Deposit Charred stake, Set limestone 13 x 9 x 3, raised Mound of earth 3 ft high from pits 36 x 36 x 18 in deep for Corner to Sections 35 and 36

Rolling prairie, gravelly Soil
Thirdrate land

8th Standard Parallel North Range 42 West

South 89°53' West on a true line along the South boundary of Section 35
Va 14 51 E

40 00 Deposit Charred Stake, Set Limestone 14 x 8 x 2 in raised Mound of earth 3½ ft high from pits 36 x 36 x 18 in dep for 1/4 Sec Cor

80 00 Deposit Charred Stake, Set limestone 14 x 10 x 3 in, raised Mound of earth 3 ft high from pits 36 x 36 x 18 in dep for Standard Corner to Sections 34 and 35

Rolling prairie. Hills sandy and gravelly Thirdrate land

8th Standard Parallel North Range 42 W

South 89°53' West on a true line along the South boundary of Section 34
Va 14° 55' E

40 00 Deposit Charred Stake, Set Limestone 18 x 6 x 5 in, raised Mound of earth 3 ft high from pits 36 x 36 x 18 in dep for 1/4 Sec Cor

80 00 Deposit Charred Stake, Set Limestone 26 x 8 x 5, raised Mound of earth 3 ft high from pits 36 x 36 x 18 in dep for Standard Corner to Sections 33 and 34

Gently rolling dark sandy soil Secondrate

10

8th Standard Parallel North. Range 42 West

South 89°53' West on a true line along the South boundary of Section 33
Va 15° S

40 00 Deposit Charred Stake, Set Limestone 18 x 5 x 5 in, raised Mound of earth 3 ft high from pits 36 x 36 x 18 in deep for 1/4 Sec Cor

80 00 Deposit Charred Stake, Set limestone 24 x 12 x 4 in, raised Mound of earth 3 ft high from 36 x 36 x 18 in deep for Standard Corner to Sections 32 and 33

Rolling prairie, dark Soil
Good Secondrate land

8th Standard Parallel North Range 42 W,

South 89°53' West on a true line along the South boundary of Section 32
Va 15° 15' S

40 00 Deposit Charred Stake, Set Limestone 16 x 6 x 3 in, raised Mound of earth 3 ft high from pits 36 x 36 x 18 in deep for 1/4 Sec Cor

80 00 Deposit Charred Stake, Set Limestone 15 x 12 x 3 in, raised Mound of earth 3 ft high from pits 36 x 36 x 18 in deep for Standard Corner to Sections 31 and 32

Rolling prairie, good dark Soil
firstrate land

8th Standard Parallel North Range 42

South 89°53' West on a true line along the South boundary of Section 31
Va 15° 27'8

40 00 Deposit Charred Stake, Set Limestone 16 x 7 x 3 in, raised Mound of earth 3 ft high from pits 36 x 36 x 18 in deep for 1/4 Sec Cor

80 00 Deposit Charred Stake, Set Limestone 38 x 8 x 6 in raised Mound of earth 3 ft high from pits 4 8 x 4 x 18 in deep for Standard Corner to Township 33 North Ranges 42 and 43 West

Rolling Surface, dark sandy soil Good Secondarte

8th Standard Parallel North Range 43 West

South 89°53' West on a true line along the South boundary of Section 36
Va 15° 27'8

40 00 Deposit Charred Stake, Set Limestone 16 x 14 x 2 in, raised Mound of earth 3 ft high from pits 36 x 36 x 18 in deep for 1/4 Sec Cor

80 00 Deposit Charred Stake, Set Limestone 24 x 13 x 2 in raised Mound of earth 3 ft high from pits 36 x 36 x 18 in deep for Standard Corner to Sections 35 and 36

Undulating prairie good dark soil
Firstrate level

8th Standard Parallel North. Range 43 West

South 89°55' West on a true line along the South boundary of Section 35
Va 15° 30'E

40 00 Deposit Charred Stake, Set Limestone 15x14x3 in, raised Mound of earth 3 ft high from pits 36x36x18 in deep for 1/4 Sec Cor

80 00 Deposit Charred Stake, Set Limestone 16x8x2 in, raised mound of earth 3 ft high from pits 36x36x18 in deep for Standard Corner to Sections 34 and 35

Undulating prairie, good dark Clay soil First rate land

8th Standard Parallel North Range 43 West

South 89°55' West on a true line along the South boundary of Section 34
Va 15° 30'E

40 00 Deposit Charred Stake, Set Flint rock 16x12x4 in, raised Mound of earth 3 ft high from pits 36x36x18 in deep for 1/4 Sec Cor

80 00 Deposit Charred Stake, Set Sandstone 32x12x4 in, raised Mound of earth 3 ft high from pits 36x36x18 in deep for Standard Corner to Sections 33 and 34.
This Corner stands on East edge of broken White earth bank.

Rolling prairie, dark soil Secondary land

8th Standard Parallel North, Range 43 West

South 89° 53' West on a true line along the South boundary of Section 33
Va 15° 30' E

40 00 Deposit Charred Stake, Set limestone 12 in x 3 in, raised mound of earth 3 ft high from pits 36 x 36 x 18 in deep for 1/4 Sec Cor

80 00 Deposit Charred Stake, Set Limestone 26 x 22 x 3 in raised mound of earth 3 ft high from pits 36 x 36 x 18 in deep for Standard Corner to Sections 32 and 33

Rolling prairie Medium dark clay soil
Secondrate land

8th Standard Parallel North Range 43 West

South 89° 53' West on a true line along the South boundary of Section 32
Va 15° 30' E

40 00 Deposit Charred Stake, Set Limestone 12 in x 6 x 2 in, raised mound of earth 3 ft high from pits 36 x 36 x 18 in deep for 1/4 Secs

80 00 Deposit Charred Stake Set Limestone 30 x 12 x 4 in raised mound of earth 3 ft high from pits 36 x 36 x 18 in deep for Standard Corner to ~~Sections~~ 31 and 32

Rolling prairie Medium dark Clay soil
Secondrate land

8th Standard Parallel North Range 43 West

		South 89° 53' West on a true line along the South boundary of section 31
		Va 15° 30'E
36	35	Ravine Course North
40	00	Deposit charred stake, set Box Elder post 3 x 3 in. 4½ ft 1 ft deep, raised mound of earth 3 ft high from pits 36 x 36 x 18 in deep for 1/4 Sec Cor
80	00	Deposit charred stake, set White Willow post 4 x 4 in. 4½ ft 1 ft deep, raised mound of earth 3 ft high from pits 36 x 36 x 18 in deep for Standard Corner to Township 33 North. Ranges 43 and 44 West

Rolling prairie, East 40 chains, including dark clay soil first rate. W 40 chs. rolling second rate land

Sept 22nd 1878

8th Standard Parallel North, Range 44 West

		South 89° 53' West on a true line along the South boundary of section 36
		Va 15° 30'E
12	80	Ravine Course North
19	00	Ravine Course North
40	00	Deposit charred stake, set Limestone 13 x 8 x 4 in, raised mound of earth 3 ft high from pits 36 x 36 x 18 in deep for 1/4 Sec Cor
80	00	Deposit charred stake, set Box Elder post 3 x 3 in. 4½ ft 1 ft deep, raised mound of earth 3 ft high from pits 36 x 36 x 18 in deep for Corner to Sections 35 and 36

Rolling and broken Surface.
Thirdrate land
A poor quality of soft shaly limestone crops from the hillsides

8th Standard Parallel North. Range 44 W

South 89°53' West on a true line along the South boundary of section 35
va 15°30' East

40 00 Deposit charred stake, Set White willow Post 3x3in 4½ ft 1 ft deep raised Mound of earth 3 ft high from pits 36x36x18 in deep for 1/4 Sec Cor

80 00 Deposit charred stake, Set White Willow post 3x3in 4½ ft 1 ft deep raised Mound of earth 3 ft high from pits 36x36x18 in deep for Standard Corner to Sections 34 and 35

Rolling prairie, dark clay soil
Firstrate

8th Standard Parallel North Range 44 W

South 89°53' West on a true line along the South boundary of section 34
va 15°30' E.

40 00 Deposit charred stake, Set White Willow post 3x3in 4½ ft 1 ft deep, raised mound of earth 3 ft high from pits 36x36x18 in deep for 1/4 Sec Cor

80 00 Deposit charred stake. Set White Willow post 3x3in 4½ ft 1 ft deep, raised mound of earth 3 ft high from pits 36x36x18 in deep for Standard Corner to Sections 33 and 34

Undulating prairie dark clay soil
firstrate land

8th Standard Parallel North, Range 44 West

South 89°55' West on a true line along the South boundary of Section 33
Va 15° 30' E

40 00 Deposit Charred Stake, Set White Willow post 3 x 3 in 4½ ft 1 ft deep, raised mound of earth 3 ft high from pits 36 x 36 x 18 in deep for ¼ Standard Sec Cor

80 00 Deposit Charred Stake, Set Box Elder Post 3 x 3 in, 4½ ft 1 ft deep, raised mound of earth 3 ft high from pits 36 x 36 x 18 in deep for Standard Corner to Sections 32 and 33

Undulating prairie, dark clay soil first rate land

8th Standard Parallel North Range 44 West

South 89°55' West on a true line along the South boundary of Section 32
Va 15° 30' E

40 00 Deposit Charred Stake, Set White Willow post 3 x 3 in 4½ ft 1 ft deep, raised mound of earth 3 ft high from pits 36 x 36 x 18 in deep for ¼ Standard Section Corner

80 00 Deposit Charred Stake, Set Pine post 4 x 4 in 4½ ft 1 ft deep, raised mound of earth 3 ft high from pits 36 x 36 x 18 in deep for Standard Corner to Sections 31 and 32

Gently rolling prairie, dark clay soil, Good Secondrate land

8th Standard Parallel North Range 44 West

South 89° 53' West on a true line along the South boundary of Section 31
Va 15° 30' E

28 50 Drain Course North

40 00 Deposit Charred Stake. Set Pine post 3x3 in 4 1/2 ft - 1 ft dep. raised Mound of Earth 3 ft high from pits 36 x 36 x 18 in for 1/4 Standard Section Corner

42 00 Canon Course S. W.

56 50 Canon Course N. W.

73 00 Canon Course North

80 00 Deposit Charred Stake. Set Ash post 3 x 3 in. 4 1/2 ft - 1 ft dep. raised Mound of earth 3 ft high from pits 48 x 48 x 18 in dep. for Standard Corner to Township 33 North Ranges 44 and 45 West

Rolling and broken surface
Clay land Mixdate

8th Standard Parallel North Range 45 West

South 89° 53' West on a true line along the South boundary of Section 36
Va 15° 36' E

18 80 Creek Water in holes course North

40 00 Deposit Charred Stake. Set Ash post 3x3 in. 4 1/2 ft - 1 ft dep raised mound of earth 3 ft high from pits 36 x 36 x 18 in dep for 1/4 Standard Section Corner

80 00 Deposit Charred Stake, Set Ash post 4 x 4 in. 4 1/2 ft - 1 ft dep, raised mound of earth 3 ft high from pits 36 x 36 x 18 in dep for Standard Corner to Sections 35 and 36

Rolling prairie dark soil
Secondrate land

8th Standard Parallel North Range 5 West

		South 89°53' West on a true line along the South boundary of Section 35
		Va 15° 27'E
40	00	Deposit Charred Stake, Set Ash post 3x3 in. 4½ ft 1 ft dep, raised Mound of earth 3 ft high from pits 36x36x18 in dep for 1/4 Standard Section Corner
58	50	Drain Course North
59	70	Drain Course N. W.
80	00	Deposit Charred Stake, Set Ash post 3 x 3 in. 4½ ft 1 ft dep, raised Mound of earth 3 ft high from pits 36x36x18 in dep for Standard Corner to Sections 34 and 35

Rolling prairie, Some broken on West 40 chains, Clay land Third rate

8th Standard Parallel North Range 5 West

		South 89°53' West on a true line along the South boundary of Section 34
		Va 15° 18'E
16	00	Canon Course North
40	00	Deposit Charred Stake, Set Ash post 3x3 in. 4½ ft 1 ft dep raised Mound of earth 3 ft high from pits 36x36x18 in dep for 1/4 Standard Section
75	20	Creek water in holes Course North
80	00	Deposit Charred Stake, Set Ash post 4x4 in. 4½ ft 1 ft dep raised mound of earth 3 ft high from pits 36x36x18 in dep for Standard Corner to Sections 33 and 34

Rolling and broken Third rate land Clay Soil

8th Standard Parallel North Range 45 W

South 89°53' West on a true line along the South boundary of Section 33
Va 15° 12' E

40 00 Deposit charred Stake, Set Elm post 3 x 3 in 4½ ft 1 ft deep raised mound of earth 3 ft high from pits 36 x 36 x 18 in deep for 1/4 Standard Sec Cor

80 00 Deposit charred Stake, Set Elm post 5 x 5 in. 4½ ft 1 ft deep, raised mound of earth 3 ft high from pits 36 x 36 x 18 in deep for Standard Corner to sections 32 and 33

Rolling prairie Clay land dark soil Good Secondrate

8th Standard Parallel North Range 45 West

South 89°53' West on a true line along the South boundary of Section 32
Va 15 03' E

15 40 Drain Course South

35 00 Drain Course North

40 00 Deposit charred Stake, Set Pine post 3 x 3 in 4½ ft 1 ft deep, raised mound of earth 3 ft high from pits 36 x 36 x 18 in deep for 1/4 Standard ~~Corner~~ 1/4 Sec. Cor.

77 00 Drain Course N.E.

80 00 Deposit charred Stake, Set Ash post 4 x 4 in. 4½ ft 1 ft deep, raised mound of earth 3 ft high from pits 36 x 36 x 18 in deep for Standard Corner to sections 31 and 32

Gently rolling prairie, dark clay soil. Good Secondrate

30

8th Standard Parallel North Range 45 W.

South 89°55' West on a true line along the South boundary of Section 31
Va 15°00' E

40 00 Deposit charred stake, Set Ash post 3 x 3 in. 4½ ft 1 ft deep, raised mound of earth 3 ft high from pits 36 x 36 x 18 in deep for 1/4 Standard Sec Cor

80 00 Deposit charred stake, Set Pine post 6 x 6 in. 6 ft 1½ ft deep. raised mound of earth 3 ft high from pits 36 x 36 x 18 in deep for Standard Corner to ~~Township~~ 33 North Ranges 45 and 46 West

Gently rolling prairie, dark clay soil Good Secondrate land

8th Standard Parallel North Range 46 West

South 89°55' West on a true line along the South boundary of Section 36
Va 14°51' E

10 90 North Platte and Spotted Tail agency Wagon Road Vrs N W and S E.

16 15 Sidney and Camp Sheridan Wagon Road Vrs N W. and S E.

40 00 Deposit charred stake, Set Pine post 3 x 3 in 4½ ft 1 ft deep, raised mound of earth 3 ft high from pits 30 x 30 x 12 in deep for 1/4 Standard Sec Cor

65 00 Leave prairie and Enter Pine timber N E & S W

75 70 Ravine Course N.E.

80 00 Deposit charred stake, Set Pine post 4 x 4 in. 4½ ft 1 ft deep raised mound of earth 2½ ft high from pits 24 x 24 x 12 in deep for Standard Corner to sections 35 and 36. from which
A Pine tree 8 in dia. Vrs N 38½° E 47 lks dist
A Pine tree 6 in dia Vrs N 56° W. 56 lks dist

Prairie rolling clay land Secondrate
West 15 chains broken 3rd rate
Timber in Cañons

8th Standard Parallel North Range 4 West

South 89° 53' West on a true line along the South boundary of Section 35
Va 14° 45' E

	15	Same Raine Course S.E.
14	30	Cañon Course ~~S.E.~~ N
27	15	Cañon Course N
34	90	Cañon Course N
40	00	Deposit Charred Stake, Set Pine post 4 x 4 in. 4½ ft 1 ft dep, raised Mound of earth 3 ft high from pits 36 x 36 x 1 ft in dep for 1/4 Standard Sec Cor from which, A Pine tree 9 in dia Brs N 40° E 80 lks dist
48	50	Indian Trail Trs N W and SE
51	60	Raine Course South
80	00	Deposit Charred Stake, Set Box Elder post 4 x 4 in. 4½ ft - 1 ft dep, raised Mound of earth 3 ft high from pits 30 x 30 x 18 in deep for Standard Corner to Sections 34 and 35 from which, A Box Elder Trs S. 26° E 11 lks dist, An Elm ~~in dia~~ Trs S 86½° E 41 lks dist.

Broken clay and White Earth hills 3rd Rate
Pine timber in the Cañons

8th Standard Parallel North. Range 4 West

South 89° 53' West on a true line along the South boundary of Section 34
Va 14° 35' E

3	00	A Hunters Cabin
4	10	Beaver Creek 10 links wide 6 in dep runs North
40	00	Deposit Charred Stake, Set Pine post 5 x 5 in. 4½ ft 1 ft dep, raised Mound of earth 36 x 36 x 18 in dep for 1/4 Sec Cor from which a Pine tree 12 in dia Brs North 55° West 24 lks dist
55	50	Cañon Course North
78	15	Cañon Course North
80	00	Deposit Charred Stake, Set Pine post 5 x 5 in. 4½ ft - 1 ft dep, raised Mound of earth 3 ft high from pits 36 x 36 x 18 in dep for Standard Corner to Sections 33 and 34 from which A Pine 8 in dia Trs S. 70° 45' W 259 links dist.

Broken Surface. White Earth hills
Third rate land Pine timber in Cañons
and on hillsides.

8th Standard Parallel North Range 46 W

South 89°53' West on a true line along the South boundary of Section 33
Va. 14° 38' E

24 15 Dry Branch of Beaver Creek Course North

40 00 Deposit Charred stake, Set Pine post 5×5 in 4½ ft 1 ft deep raised Mound of earth 3 ft high from pits 36×36×18 in deep for ¼ Standard Sec Cor from which A Pine tree 20 in dia Vrs. S 17° West 95 lks dist

[illegible]0 00 Deposit charred stake, Set pine post 6×6 in 4½ ft 1 ft deep raised mound of earth 3 ft high from pits 36×36×18 in deep for Standard Corner to sections 32 and 33 from which A Pine tree 15 in dia Vrs N 83¼° East 233 links dist

Broken Clay hills Thirdrate
There is considerable timber all along the line
Sept 23th 1878

8th Standard Parallel North. Range 46 W

South 89°53' West on a true line along the South boundary of Section 32
Va 14° 40' E

1 15 Indian Trails Vrs NE and SW

32 50 Canon Course North

40 00 Deposit Charred Stake, Set Pine post 6×6 in 4½ ft 1 ft deep raised Mound of earth 3 ft high from pits 36×36×18 in deep for ¼ Standard sec Cor from which A Pine tree Vrs N 84° 10' East 11 links dist.

46 95 Canon Course North

69 00 Canon Course North

78 85 Canon Course North

80 00 Deposit Charred Stake, Set Pine post 5×5 in 4½ ft 1 ft deep, raised Mound of earth 3 ft high from pits 36×36×12 in deep for Standard Corner to Sections 31 and 32 from which A Pine 10 in dia Vrs N 89° 45' East 79 links dist.

Broken clay hills. Pine timber along the line. Mostly on the North

8th Standard Parallel North Range 46 West

South 89° 55' West on a true line along the South boundary of Section 31
Va 14° 40' E

14 40 Canon Course N.E.
24 75 Trail Course N.E.
40 00 Deposit Charred Stake, Set Pine post 3 x 3 in. 4 1/2 ft 1 ft dep, raised mound of earth 3 ft high from pits 24 x 24 x 12 in dep for 1/4 sec Cor
56 30 Canon Course N.E.
80 00 Deposit Charred Stake, Set Pine post 6 x 6 in. 5 ft 1 ft dep, raised mound of earth 3 ft high from pits 30 x 30 x 12 in dep for Standard Corner to Township 33 North Range 46 and 47 West

Rolling and broken, timber on East 40 chains
Thirdrate land

8th Standard Parallel North Range 47 West

South 89° 55' West on a true line along the South boundary of Section 36
Va 14° 42' E

28 80 Canon Course South
40 00 Deposit Charred Stake, Set pine post 4 x 4 in 4 1/2 ft 1 ft dep raised mound of Earth 3 ft high from pits 24 x 24 x 12 in dep for 1/4 Standard Sec Cor
63 80 Canon Course S.W.
71 00 Ravine Course South
80 00 Deposit Charred Stake, Set Pine post 4 x 4 in. 4 1/2 ft 1 ft dep, raised mound of Earth 3 ft high from pits 24 x 24 x 12 in dep for Standard Corner to Sections 35 and 36

Surface broken by deep canons
Pine timber along the line in the canons and on hillsides. Thirdrate land

8th Standard Parallel North Range 7 West

South 89° 55' West on a true line along the South boundary of section 35
Va 14° 42' E

22	70	Canon Course South
31	40	Canon Course South
40	00	Deposit ~~Charred Stake~~ Marked Limestone 3×4×3 in, Set Pine post 3×3 in 4½ ft 1 ft. deep raised Mound of earth 2½ ft high from pits 24×24×12 in deep for 1/4 Standard Sec. Cor.
71	50	Canon Course North
80	00	Deposit Charred Stake, Set hackberry post 3×3 in 4½ ft 1 ft deep, raised Mound of earth 2½ ft high from pits 24×24×12 in deep for Standard Corner to Sections 34 and 35

Broken White Earth hills
Thirdrate land, Pine timber along the line

8th Standard Parallel North Range 7 West

South 89° 55' West on a true line along the South boundary of section 34
Va 14° 42' E

10	00	Enter Valley Trs N. and S.
40	00	Deposit Charred Stake, Set Willow post 4×4 in 4½ ft 1 ft deep, raised mound of earth 2½ ft high from pits 24×24×12 in deep for 1/4 Standard Section Corner
41	75	Big Bordeau Creek 5 lks wide 6 in deep runs N
53	20	Spring Brook 4 lks wide runs North
60	00	Leave Valley and enter upland Trs N & S
75	05	Indian Trail Trs N.W. and S.E.
80	00	Deposit Charred Stake, Set hackberry post 4×4 in 4½ ft 1 ft deep raised Mound of earth 2½ ft high from pits 24×24×12 in deep for Standard Corner to Sections 33 and 34

Rolling prairie, hard White Earth soil good for grazing Thirdrate

8th Standard Parallel North Range 47 West

South 89° 55' West on a true line along the South boundary of Section 33
Va 14° 42' E

10	20	Trail Course N & S
23	15	Ravine Course North
32	05	Trail Course NE and SW
40	00	Deposit charred stake, Set Pine post 3x3 in 4½ft 1ft dep. raised mound of earth 2½ft high from pits 24x24x12 in dep for 1/4 Sec Cor.
53	35	Trail Trs N and S
64	90	Canon Course North 4 chs wide
80	00	Deposit Charred stake, Set Pine post 4x6in 4½ft 1ft dep. raised mound of earth 2½ft high from pits 24x24x12 in dep for ~~Standard~~ Corner to Sections 32 and 33

Rolling prairie good grazing land
Therdale soil

8th Standard Parallel North Range 47 West

South 89° 55' West on a true line along the South boundary of Section 32
Va 14° 42' East

9	60	Trail Trs N and S
10	50	Canon Course NE
23	00	Canon Course North
40	00	Deposit charred stake, Set Pine post 3x3 in 4½ft 1ft dep raised mound of earth 2½ft high from pits 24x24x12 in dep for 1/4 Standard Sec Cor
58	00	Canon Course North
65	40	Canon Course N & S
77	10	Trail Trs N and S
80	00	Deposit charred stake, Set Pine post 3x3 in 4½ft 1ft dep raised mound of earth 2½ft high from pits 24x24x12 in dep for Standard Corner to Sections 31 and 32, from which a Pine 8 in dia Trs N 27¾° West 42 links dist.

Surface very broken, White Earth hills or Buttes, Scattering pine timber along the line. Pine in Canons

8th Standard Parallel North Range 47 West

		South 89°53' West on a true line along the South boundary of Section 31 Va 14° 42' E
23	10	Cando Creek North
40	00	Deposit Charred Stake, Set Pine post 3x3 in 4½ft 1ft deep, raised Mound of earth 2½ high from pits 24x24x12 in deep for 1/4 Standard Sec. Cor.
63	40	Indian Trails Trs N and S
80	00	Deposit Charred Stake, Set Pine post 4x4 in. 4½ft 1ft deep, raised Mound of earth 2½ft high from pits 24x24x12 in deep for Standard Corner to Township 33 North Ranges 47 and 48 West

Very Broken Surface, White Earth Buttes, Scattering Pine timber along the line

8th Standard Parallel North Range 48 West

		South 89°53' West on a true line along the South boundary of Section 36 Va 14° 48' E
8	20	Ravine Course N.W.
28	80	Little Bordeau Creek 5 lks wide 6 in deep and runs North
40	00	Deposit Charred Stake, Set Box Elder post 3x3 in 4½ft 1ft deep raised Mound of earth 2½ft high from pits 24x24x12 in deep for 1/4 Standard S.C. Cor.
40	40	Sidney and Spotted Tail Agency Road Trs N and S
54	35	Spring Brook 2 lks wide 4 in deep runs N
63	35	Trail Trs N. and S.
80	00	Deposit Charred Stake, Set Pine post 4x4 in. 4½ft 1ft deep, raised Mound of earth 2½ft high from pits 24x24x12 in deep for Standard Corner to Sections 35 and 36

Broken Surface, high White Earth Buttes East of Creek Timbered

Box Elder Elm and ash along Creek

Sept 24th 1878

8th Standard Parallel North Range 48 West

South 89° 55' West on a true line along the South boundary of Section 33
Va 14° 48' E

37 70 Canon Course North

40 00 Deposit Charred Stake, Set Pine post 3x3 in. 4½ ft 1 ft dep raised mound of earth 2½ ft high from pits 24 x 24 x 12 in dep for ¼ Standard Section Corner

54 15 Canon Course North

75 15 Canon Course North

80 00 Deposit Charred Stake, Set Pine post 4x4 in. 4½ ft 1 ft dep, raised mound of earth 2½ ft high from pits 24 x 24 x 12 in dep for Standard Corner to Sections 34 and 35

Broken White Earth Hills
Scattering Pine timber along the line

8th Standard Parallel North Range 48 West

South 89° 55' West on a true line along the South boundary of Section 34
Va 14° 48' E

7 20 Canon Course North

16 50 Canon Course North

38 50 Gulch Course North

40 00 A Hackberry tree 5 in. dia for ¼ Standard Section Corner

63 00 Canon Course North

80 00 Deposit Charred Stake, Set Pine post 4 x 4 in. 4½ ft 1 ft dep, raised mound of earth 2½ ft high from pits 24 x 24 x 12 in dep for Standard ~~Section~~ Corner to Secs. 33 and 34

Broken White Earth Hills
Thirdrate land

Scattering Pine timber along the line

8th Standard Parallel North Range 48 West

South 89° 53' West on a true line along the South boundary of Section 33
Va 14° 48' E

28 50 North Slope of Tall Peak.

40 00 Deposit Marked Limestone 6×4×3 in, Set Pine post 3×3 in. 4½ ft 1 ft deep raised mound of earth 2½ ft high from pits 24×24×12 in deep for 1/4 Standard Section Corner

62 00 Canon Course North

80 00 Deposit Charred Stake Set Pine post 4×4 in. 4½ ft 1 ft deep, raised mound of earth 2½ ft high from pits 24×24×12 in deep for Standard Corner to Sections 32 and 33

Rolling and broken
Thirdrate lands, Pine on Sides of Peak

8th Standard Parallel North Range 48 W.

South 89° 53' West on a true line along the South boundary of Section 32
Va 14 48' E

20 15 Canon Course North

40 00 Deposit Charred Stake, Set Pine post 3×3 in. 4½ ft 1 ft deep raised mound of earth 2½ ft high from pits 24×24×12 in deep for 1/4 Standard Section Corner

50 55 Canon Course South

* 75 14 The Closing Corner of the 6th Guide Meridian

79 60 Deep Ravine Course North

80 00 Deposit Charred Stake, Set Cottonwood post 4×4 in. 5 ft 1½ ft deep raised mound of earth 2½ ft high from pits 24×24×12 in deep for Standard Corner to Sections 31 and 32. This corner stands on the west side and in the White Earth bank of Ravine

Broken Surface Thirdrate land
Good only for grazing purposes

* Remeasurement of 8th St. Par. by Chs. Buchanan under his Contr. No. 4 Nov. 11. 1881.; shows the Closing to be 75.64 Chains.
H. S.

8th Standard Parallel North Range 48 West

South 89° 53' West on a true line along the South boundary of Section 31
Va 14° 48' E

39 80 Canon Course South west
40 00 Deposit charred Stake, Set Cottonwood post 3 x 3 in. 4½ ft 1 ft deep raised Mound of earth 2½ ft high from pits 24 x 24 x 12 in deep for ¼ Standard Corner
42 60 Canon Course N.W
64 30 Wagon trail Trs N.W. and S.E.
68 00 Enter Creek bottom Trs N + S
70 85 Chadron Creek 20 lks wide 24 in deep and runs North
77 85 Leave Creek bottom and Enter Second bottom ranks Steek Trs North and South
80 00 Deposit charred Stake, Set Willow post 8 x 8 in. 8 ft 2 ft deep, raised Mound Earth of 5 ft high from pits 48 x 48 x 36 in deep for Standard Corner to Township 33 North Ranges 48 and 49 West and the initial Point of the 6th Guide Meridian West.

This Corner Stands on a narrow, level Second creek bottom, in a horse shoe

8th Standard Parallel North Range 48 W

bend of the Steep bank. There is a low ridge about 10 chains west of the Corner

Surface rolling and broken, good for grazing purposes, box Elder Cottonwood Elm and ash along the Creek

Sept 25th 1878

8th Standard Parallel North ~~Range 41 W~~

General Description

The Surface along the 8th Standard Parallel, in Ranges 41, 42, 43, 44, and 45 West, is a gently undulating tableland. The soil is mostly of a dark clay loam of an excellent quality for agricultural purposes. There is but little waste land. The Surface is covered with a heavy growth of buffalo grass which is being rapidly supplanted by blue joint grass. Wherever this is found the soil is low and friable, showing, that with an ordinary amount of rainfall, the soil could be easily worked and will produce good crops common to this latitude.

Antilope Creek, rises in Range 43 and runs east, North of the Parallel and crosses in Range 41, has good water in large deep holes and becomes a running stream in T. 32 N R. 41

There are two creeks in Range 45 with water in holes, and become running streams farther North, these are probably tributaries

8th Standard Parallel North ~~Range~~

to White Clay Creek. There is no timber along this part of the line except some box Elder, Elm and ash on these two creeks where there is a limited quantity, farther North on the hills there is Pine timber.

The Parallel enters the Canons and Pine timber of the tributaries of White River on the East boundary of Range 46 through which it crosses the balance of the line. The Surface is broken by deep Canons rendering it unfit for agricultural purposes, except in places to a limited extent. The land is valuable only for grazing and for its timber. This is chiefly of Pine common to Northwestern Nebraska and Dakota, from which a vast amount of fencing and framing lumber can be cut for many years. This forest of Pine extends from "Pine Bluffs" in Range 43 West Township 30 North in an unbroken belt from two to ten miles wide, along the Northern slope of the White River Basin to the West Boundary of the State. Beaver

8th Standard Parallel North

Creek, a stream of pure, clear cold water runs North in Range 46. Big and Little Bordeau Creeks in Ranges 44 and 48 are small spring Brooks of clear cold water, and run North forming a junction two or three miles North of the line. Chadron Creek, rises on the 6th Meridian in Township 31 North and runs North through Ranges 48 and 49.

The tract embraced by the 7th and 8th Standard Parallels between the 5th and 6th Guide Meridians is mostly included in the Niobrara River basin, has an undulating or gently rolling surface. The soil is generally of dark clay or sandy loam and is capable of supporting a large settlement.

We hereby certify that we assisted Robert Harvey Deputy Surveyor in Surveying and Establishing, the 7th Standard Parallel from the 4th to the 5th Guide Meridian, the 7th and 8th Standard Parallels from the 5th to the 6th Guide Meridians all North of the Base Line and West of the 6th Principal Meridian in the State of Nebraska And that said Standard Parallels 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, of dimensions, character, construction and marking, and in the manner as specifically described in the foregoing field Notes.

William Culbertson Chainman
David Davis. Chainman
W. S. Orr Chainman
S. J. Feeney Chainman

E J Seely Moundsman

✓ Max Amende Moundsman

✓ Samuel Brittan Moundsman

✓ Elias Turner Flagman

Signed in my presence and
sworn to before me this 16th day of
Dec 1878

A J Kendall
Clerk Dist Court
Howard Co Neb

I Robert Harvey Deputy Surveyor
do solemnly swear that in pursuance
of a joint Contract wherein Nicholas
J. Paul, Robert Harvey and Charles R.
Stazkweather, are joint Contractors with
John R. Clark United States Surveyor
General for the District of Nebraska
and Iowa, bearing date the 31st day of July
1878, I have well, faithfully and truly in
my own proper person and in strict
conformity with the instructions fur-
nished by the Surveyor General, the
Surveying Manual, and the laws of the
United States, surveyed ~~all those parts~~
~~or portions~~ of the 7th Standard Parallel
from the 4th to the 8th Guide Meridian
, the 7th and 8th Standard Parallels from
the 5th to the 6th Guide Meridians, all North
of the Base Line and East of the 6th Principal Merid-
ian in the State of Nebraska, that are repre-
sented in the foregoing field Notes as having
been surveyed under my direction and I do
further solemnly swear that all the

corners of said surveys have been established and perpetuated in strict accordance with the Surveying Manual, printed instructions and Special instructions of the Surveyor General, of dimensions, character, construction and marking, and in the manner as specifically described in the foregoing field notes and that the foregoing are the true and original field notes of such Survey

Robert Harvey
Deputy Surveyor

Signed in my presence
and sworn to before me
this 16th day of Dec 1878
A. G. Kendall
Clerk Dist. Court
Howard Co Neb

Surveyor Genls. Office
Plattsmouth Neb January 28th 1879

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

Jno R Clark
Surveyor General.

Eighth

Standard Parallel N

From the 6th to the 7th Guide

Meridians West

Surveyed By

Robert Harvey U.S. Deputy Surv.

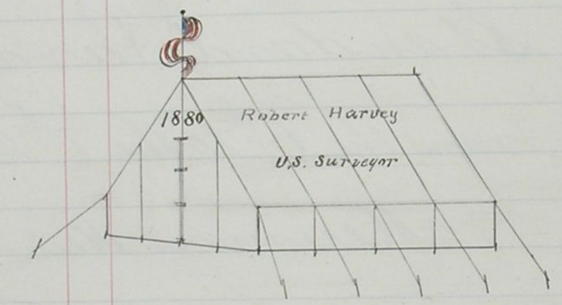
Under joint Contract No. 14

and dated May 19th 1880

Surveyed, June 1880

T.P.

(Plat.)



"A"

Field Notes
of the
Survey and Establishment of the Eighth Standard Parallel North from the 6th Principle Meridian to the West boundary of the State, surveyed by Robert Harvey U. S. Deputy Surveyor under joint Contract bearing date the 19th day of May 1880 wherein Nicholas J Paul, Robert Harvey and Charles R. Starkweather are joint Contractors with Geo. S. Smith United States Surveyor General for the District of Nebraska & Iowa

"B"

Names and duties of Assistants

Wilson F. Frazier	Chainman
Ransford Wilcox	Chainman
Sam. Peoples	Chainman
John Wherrett	Chainman
Max Amende	Cornerman
John L. Young	Cornerman
Horace Tyrrell	Flagman

Eighth Standard Parallel North
6th to 7th Guide Meridian

From the Closing corner to Tps. 32 N. Ranges 56 & 57 W. I run West 10 & 10 chains for temporary Standard corner to Townships 33 N Ranges 56 and 57 West. From this point I run the 8th Standard Parallel East on a random line

Variation By Burts improved Solar Compass 15° 35' E.

I run the 8th Standard Parallel setting temporary stakes at every 40 and 80 chains and at 47 miles 78 chains and 20 links to a point 11,20 chains South of the Standard Corner to Tps 33 N Ranges 48 and 49 W. The correction will therefore be 1 Chain and 80 links East and 23 1/3 links North per Mile for the True line

in course S. 89°50' West

I found the Mound and pits of this Corner in good Condition with Willow post 8 in square 5 ft above ground Still Standing in Mound

Eighth Standard Parallel North
R 49 W.

From the Standard Corner to Township 33 N. Ranges 48 & 49 W. I run S 89°50' West on true line along South boundary of sec. 36.
Va 15°12' E.

12 00 Leave valley and enter hills bear N E & S W.

40 00 Deposit Chained stake raised mound of earth 2½ ft. high from pits 2ft + 2ft + 12 in. deep for 1/4 sec cor.

80 00 Deposit chained stake raised mound of earth 2½ ft. high from pits 2ft + 2ft + 12 in deep for Corner to secs 35 & 36 Drove marked Ash stake 2+2+2ft in. in East pit.
Gently rolling. Clay soil
Good Secondrate

8th Standard Parallel N.
R. 49 W.

S 89°50' West on true line along South boundary of sec. 35
Va 15°12' E.

27 00 Spotted Tail and Red Cloud Road bears N E & S W.

40 00 Deposit chained stake raised mound of earth 2½ ft. high from pits 2ft + 2ft + 12 in. deep for 1/4 sec cor.

52 80 Quick corner N & S.

80 00 Deposit chained stake raised mound of earth 2½ ft. high from pits 2ft + 2ft + 12 in. deep for corner to secs. 34 and 35 Drove marked Ash stake 2+2+2ft in in East pit
Surface rolling
Soil secondrate

8th Standard Parallel N.
R. 49 W.

S 89° 50' West on true line along South boundary of sec. 34
Va 15° 12' E.

~~40 00 Dep~~

40 00 Deposit charred stake ~~Set~~ a Sandstone 12 x 10 x 8 in. raised mound of earth 2½ ft. high from pits 2½ x 2½ x 12 in. deep for 1/4 sec. cor.

80 00 Deposit charred stake raised mound of earth 2½ ft. high from pits 2½ x 2½ x 12 in. deep for corner to secs 33 & 34
Drove marked Ash stake 2 x 2 x 2½ in in East Pit
East 60 chs. broken by small gulches. Soil White Earth 3rd rate
West 20 chs rolling
Dark soil good secondrate

8th Standard Parallel N.
R. 49 W.

S 89° 50' West on true line along South boundary of sec 33.
Va 15° 15' E.

40 00 Deposit charred stake. Set Sandstone 12 x 10 x 8 in. raised mound of Earth 2½ ft. high from pits 2½ x 2½ x 12 in. deep for 1/4 sec. cor.

80 00 Deposit charred stake, raised mound of earth 2½ ft. high from pits 2½ x 2½ x 12 in. deep for corner to secs 32 & 33
Drove marked Ash stake 2 x 2 x 2½ in. in East pit
Surface rolling
Soil Clay secondrate

8th Standard Parallel N.
R. 49 W.

S 89° 50' West on true line along
South boundary sec. 32
Va 15° 18' E.

40 00 Deposit chamed stake, raised
mound of earth 2½ ft. high
from pits 2½ + 2½ + 12 in deep
for 1/4 sec Cor.

80 00 Deposit chamed stake, raised
mound of earth 2½ ft. high
from pits 2½ + 2½ + 12 in
deep for corner to secs. 31 & 32
Drove marked Ash stake 2 + 2
+ 2½ in in E. pit
Surface rolling
Soil second rate
Good grazing

8th Standard Parallel N.
R. 49 W.

S 89° 57' West on true line along
South boundary of sec 31
Va 15° 21' E.

30 50 Creek 15 lks wide runs North.

40 00 Deposit chamed stake raised
mound of Earth 2½ ft. high
from pits 2½ + 2½ + 12 in. deep
for 1/4 sec. Cor.

80 00 Deposit chamed stake raised
mound of earth 2½ ft. high
from pits 2½ + 2½ + 12 in deep
for Standard Corner to Townships
33 N. Ranges 49 and 50 West.
Drove marked Ash stake 2 + 2 +
2½ in. in East pit.
Rolling Prairie
Soil good second rate

Eighth Standard Parallel North
R 50 W.

S89°50' West on true line along
South boundary of sec. 36.
Va 15°21' E.

40 00 Deposit charred stake raised
mound of earth 2½ ft. high from
pits 2½+2½+12 in deep for 1/4 sec cor.

66 45 Dry creek course North

80 00 Deposit charred stake raised
mound of Earth 2½ ft high from
pits 2½+2½+12 in deep for
corner to secs. 35 and 36
Drove marked Ash stake 2×2
×24 in. in East pit.
Rolling Prairie
Good second rate soil
Good grazing

8th Standard Parallel N.
R. 50 W.

S89°50' West on true line along
South boundary sec. 35
Va 15°23' E.

40 00 Deposit charred stake raised
mound of earth 2½ ft. high
from pits 2½+2½+12 in deep for
1/4 sec. cor.

80 00 Deposit charred stake raised
mound of earth 2½ ft. high
from pits 2½+2½+12 in
deep for corner to secs. 34 & 35
Drove marked Ash stake
2×2×24 in in E. pit
Rolling Prairie
Soil good second rate

8th Standard Parallel N.
R. 50 W.

S 89° 50' West on true line along South boundary sec. 34
Va 15° 25' E.

30 55 White river 25 lks wide runs North
33 55 Same river 30 lks wide runs O.E.
40 00 Deposit charred stake raised mound of earth 2½ ft. high from pits 24 + 24 + 12 in deep for 114 sec cor.
43 70 Same river 20 lks wide and 4 ft. deep runs North
55 60 Same river 30 lks. wide runs South
80 00 Point for sec cor. falls on broken Sandy river bank and cannot be established, I therefore establish a Witness Corner 20 lks East of true point Deposit charred stake, raised mound of Earth 2½ ft. high from pits 24 + 24 + 12 in deep for Witness corner to secs 33 and 34
Drove marked Box Elder stake 2 + 2 + 24 in. in East pit
Valley broken Sandy - Soil third rate

8th Standard Parallel N
R 50 W.

S 89° 50' West on true line along South boundary of sec. 33
Va 15° 27' E.

0 10 ~~Neobrara~~ White River 25 lks. 12 in deep runs North
40 00 Deposit charred stake raised mound of earth 2½ ft. high from pits 24 + 24 + 12 in deep for 114 sec. cor.
48 50 Same river 20 lks wide runs O.E.
50 95 Same river 25 lks wide runs N.
64 90 Same river 25 lks wide runs O.E.
68 55 Same river 40 lks wide runs NW.
71 30 Same river 40 lks wide runs SW.
80 00 Deposit charred stake, raised mound of Earth 2½ ft. high from pits 24 + 24 + 12 in deep for corner to secs. 32 & 33
Drove marked Box Elder stake 2 + 2 + 24 in in East pit.
Land, low bottom covered with brush, Soil, Sandy 3rd rate

8th Standard Parallel N
R 50 W.

S 89°50' West on true line along South boundary of sec. 32
Va 15°30' E.

30 40 White river 35 lks. wide 30 in deep runs North.

40 00 Deposit charred stake raised mound of earth 2½ ft. high from pits 24 x 24 x 12 in deep for 1/4 sec cor
Drove marked Cottonwood stake 2 x 2 x 24 in. in East pit

51 90 Drain course S E.

61 45 Road bears N E & S W.

80 00 Deposit charred stake, raised mound of earth 2½ ft. high from pits 24 x 24 x 12 in. deep for corner to secs. 31 and 32
Drove marked Ash stake 2 x 2 x 24 in in East pit.
Undulating Valley
Soil Thirdrate
July 6th 1880

8th Standard Parallel N.
R. 50 W.

S 89°50' West on true line along South boundary of sec. 31
Va 15°33' E.

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

80 00 Deposit charred stake, raised mound of earth 2½ ft. high from pits 24 x 24 x 12 in deep for corner to Townships 33 North Ranges 50 & 51 W.
Drove marked Ash stake 2 x 2 x 24 in. in East pit.
Undulating Valley
Soil Secondrate

Eighth Standard Parallel North
R 51 W.

S 89° 50' West on true line along
South boundary of sec. 36
Va 15° 33' E.

28 00 Top of high mound (top of hill)
40 00 Deposit charred stake, raised
mound of earth 2½ ft. high
from pits 24 + 24 + 12 in
deep for 1/4 sec. cor.
80 00 Deposit charred stake, raised
mound of earth 2½ ft. high
from pits 24 + 24 + 12 in.
deep for corner to secs
35 and 36
Drove marked ash stake 2 +
2 + 24 in in E. pit.
East half rolling,
West half undulating
Soil secondrate

8th Standard Parallel N.
R. 51 W.

S 89° 50' West on true line along
South boundary of sec. 35
Va 15° 33' E.

40 00 Deposit charred stake, raised
mound of earth 2½ ft. high
from pits 24 + 24 + 12 in
deep for 1/4 sec. cor.
80 00 Deposit charred stake, raised
mound of earth 2½ ft. high
from pits 24 + 24 + 12 in. deep
for corner to secs. 34 and 35
Drove marked ash stake 2 + 2 +
24 in. in East pit.
Surface level
"Bad Lands"
Fair growth of grass.

8th Standard Parallel N.
R. 51 W.

S89°50' West on true line along South boundary of sec. 34
Va 15°35' E.

40 00 Deposit Charred stake, raised mound of earth 2½ ft. high from pits 22 + 22 + 12 in. deep for 1/4 sec Cor.

52 30 Drain course NE.

80 00 Deposit Charred stake raised mound of earth 2½ ft. high from pits 22 + 24 + 12 in. deep for Corner to Secs 33 & 34
Drove marked Ash stake 2 + 2 + 22 in. in E. pit.
Undulating "bad lands"
Soil Thirdrate
Good grass.

8th Standard Parallel N.
R. 51 W.

S89°50' West on true line along South boundary of sec. 33.
Va 15°36' E.

40 00 Deposit Charred stake raised mound of earth 2½ ft. high from pits 22 + 24 + 12 in. deep for 1/4 sec Cor.

80 00 Deposit Charred stake raised mound of earth 2½ ft. high from pits 22 + 22 + 12 in deep for Corner to Secs 32 and 33
Drove marked Ash stake 2 + 2 + 22 in. in East pit.
Gently rolling badlands
Medium Grass.
Soil Thirdrate

8th Standard Parallel N.
R. 51 W.

S 89° 57' West on true line along
South boundary of sec. 32
Var. 15° 36' E.

40 00 Deposit charred stake, raised
mound of earth 2½ ft. high
from pits 2ft + 2ft + 12 in deep
for 1/4 sec cor.

80 00 Deposit charred stake raised
mound of earth 2½ ft. high
from pits 2ft + 2ft + 12 in. deep
for corner to Secs 31 & 32
Drove marked Ash stake
2 + 2 + 2ft in. in East pit.
Gently rolling badlands
Medium grass

8th Standard Parallel N.
R. 51 W.

S 89° 50 West on true line along
South boundary of sec 31
Var. 15° 39' E.

40 00 Deposit charred stake
raised mound of earth 2½
ft. high from pits 2ft + 2ft + 12 in
deep for 1/4 sec cor

56 80 Ravine course NE.

80 00 Deposit charred stake raised
mound of earth 2½ ft. high
from pits 2ft + 2ft + 12 in
deep for Standard Corner to
Townships 33 N. Ranges 51 & 52 W.
Drove marked Ash Stake 2 + 2 +
2ft in. in East pit
Gently rolling "badlands"
Medium growth of grass

Eighth Standard Parallel North
R 52 W.

S 89°50' West on true line along
South boundary of sec 36
Vn 15°45' E.

40 00 Deposit charred stake, raised
mound of earth 2½ ft. high
from pits 2ft + 2ft + 12 in
deep for 1/4 sec cor

80 00 Deposit charred stake, raised
mound of earth 2½ ft. high from
pits 2ft + 2ft + 12 in. deep
for Corner to secs 35 & 36
Drove marked Ash stake 2 + 2 +
2½ in. in East pit
Gently rolling Bad Lands
Soil worthless
East half burned White earth

8th Standard Parallel N.
R. 52 W.

S 89°50' West on true line along
along South boundary of sec 35
Vn 15°42' E.

40 00 Deposit charred stake raised
mound of earth 2½ ft. high
from pits 2ft + 2ft + 12 in. deep
for 1/4 sec cor

80 00 Deposit charred stake raised
mound of earth 2½ ft. high
from pits 2ft + 2ft + 12 in
deep for Corner to secs
34 and 35
Drove marked Ash stake
2 + 2 + 24 in in E. pit
East half undulating
West half broken
Soil Therdrate

8th Standard Parallel N.
R. 52 W.

S 89° 50' West on true line along South boundary of sec. 34
Va 15° 42' E.

40 00 Deposit charred stake, raised mound of earth 2½ ft. high from pits 24 × 24 × 12 in. deep for 1/4 sec cor

66 70 Creek, water in holes strongly impregnated with Alkali.

80 00 Deposit charred stake on the raised mound of earth 2½ ft. high from pits 24 × 24 × 12 in. deep for Quarter to secs. 33 & 34 Drove marked Ash stake 2 × 2 × 24 in in East pit. East half broken White Earth Gulches. Soil 3rd rate West half rolling 3rd rate

8th Standard Parallel N.
R. 52 W.

S 89° 59' West on true line along South boundary of sec 33
Va 15° 45' E.

16 80 Sidney and Deadwood Stage Road bears NW & SE.

37 70 Creek dry on line course North

40 00 Deposit charred stake raised mound of earth 2½ ft. high from pits 24 × 24 × 12 in deep for 1/4 sec cor

65 00 Same Dry Creek Co. E.

80 00 Deposit charred stake, raised mound of earth 2½ ft. high from pits 24 × 24 × 12 in deep for corner to secs 32 & 33 Drove marked ash stake 2 × 2 × 24 in. in East pit, East 20 chs broken, White Earth Gulches, balance rolling Soil third rate

8th Standard Parallel N.
R. 52 W.

S 89° 50' West on true line along
~~between~~ South boundary of sec. 32
Va 15° 45' E

40 00 Deposit chained stake raised
mound of earth 2½ ft. high
from pits 24 × 24 × 12 in deep
for 1/4 sec cor.

55 00 Same Dry creek course N E.

80 00 The point for section corner falls in
steep White Earth gulch, it cannot be
properly perpetuated, therefore at a
point 25 lks West of true point I
Deposit chained stake, Set Limestone
30 × 8 × 6 in, raised mound of Earth
2½ ft. high from pits 24 × 24 × 12 in.
deep for cor to secs 31 and 32
Drove marked ash stake 2 × 2 ×
24 in. in North pit, for
Witness corner to said secs 31 & 32
Rough rolling bad lands
Soil third rate

8th Standard Parallel N.
R. 52 W.

S 89° 50' West on true line along
South boundary of sec. 31
Va 15° 45' E.

9 00 Same Dry creek course S E.

40 00 Deposit chained stake, raised
mound of Earth 2½ ft. high from
pits 24 × 24 × 12 in deep for
1/4 sec cor.

48 00 Same Dry creek course North

80 00 Deposit chained stake raised
mound of earth 2½ ft. high
from pits 24 × 24 × 12 in. deep
for corner to Townships
33 N Ranges 52 & 53 West
Drove marked ash stake 2 × 2 ×
24 in in East pit.
Surface rolling & broken
Soil third rate

Eighth Standard Parallel North
R. 53 W.

S89.50' West on true line along
South boundary of sec 36
Va 15°45' E.

40 00 Deposit charred stake, raised
mound of Earth 2½ ft. high
from pits 24 + 24 + 12 in deep
for 1/4 sec cor.

80 00 Deposit charred stake, raised
mound of Earth 2½ ft. high
from pits 24 + 24 + 12 in
deep for corner to secs. 35 & 36
Drove marked Ash stake
2 + 2 + 24 in. in E. pit
East 20 chains broken, White
Earth gulches - worthless
Balance rolling
Soil ~~third rate~~

June 7th 1880

8th Standard Parallel N.
R. 53 W.

S89.50' West on true line along
South boundary of sec. 35
Va 15°45' E.

40 00 Deposit charred stake, raised
mound of Earth 2½ ft high
from pits 24 + 24 + 12 in
deep for 1/4 sec cor.

52 20 Gulch course North

80 00 Deposit charred stake, raised
mound of earth 2½ ft high
from pits 24 + 24 + 12 in. deep
for corner to secs 34 & 35
Drove marked Ash stake
2 + 2 + 24 in. in E pit
Surface rolling
Soil third rate
Fair grazing land

8th Standard Parallel N.
R. 53 W.

S 89°50' West on true line along South boundary of sec. 34.
Va 15°45' E.

7 20 Gulch course North.
16 25 Gulch course North
40 00 Deposit charred stake raised mound of earth 2½ ft. high from pits 2½ + 2½ + 12 in deep for 1/4 sec cor.
80 00 Deposit charred stake, raised mound of earth 2½ ft. high from pits 2½ + 2½ + 12 in deep for corner to secs. 33 and 34 Brove marked Ash stake 2 + 2 + 2½ in. in E. pit.
Surface rolling & broken
Soil third rate
Good grazing land.

8th Standard Parallel N.
R. 53 W.

S 89°59' West on true line along South boundary of sec. 33
Va 15°45' E.

20 00 Leave valley and enter hills bears N W & S E.
40 00 Deposit charred stake Set a Sandstone 2½ + 6 + 3 in. raised mound of earth 2½ ft. high from pits 2½ + 2½ + 12 in deep for 1/4 Sec Corner to ~~secs 32 and 33~~ from which a Pine 7 in diam bears N 81° E 72 lks. dist A Pine 8 in. diam bears S 63¼ W 71 lks. dist.
80 00 Deposit charred stake. Set a Sandstone 20 + 12 + 6 in raised mound of earth & stone 2½ ft. high from pits 2½ + 2½ + 12 in. deep for corner to secs. 32 & 33 from which Pine 10 in diam bears N 30½ W 23 lks dist A Pine 14 in diam bears N 79½ E. 25 lks. dist.
Surface rough & broken
Soil third rate. Pine timber in gulches on West half of mile

8th Standard Parallel N.
R. 53 W.

S89°50' West on true line along
South boundary of sec. 32
Va 15°42' E.

40 00 Deposit chained stake, Set a
Sandstone 12x8x4in. raised mound
of earth 2½ft. high from pits 24
x 24x12in. deep for 1/4 sec. cor.
from which a Pine tree 16in. diam. bears
S50°30' E. 45 lks. distant
A Pine 18in. diam bears N.56° W. 35 lks. dist.
40 40 Quick course South
47 00 Rocky Cliff bears N rd.
53 70 Top of high rocky Peak, bears N rd.
70 30 Deep quick course South
80 00 Deposit Chained stake, Set a Sandstone
24x8x5 in. raised mound of earth
2½ ft high from pits 24x24x12 in
deep for corner to secs 31 and 32
from which a Pine 14 in diam bears N 70¾
West 30 links distant
A Pine 15 in diam bears N 78°20' E. 24 lks. dist.
Very rough & broken & rocky
Soil third rate Pine trees in quick

8th Standard Parallel N
R. 53 W.

S89°50' West on true line along
South boundary of sec. 31
Va 15°42' E.

22.90 Ravine course S E.
40 00 Deposit chained stake. Set Sandstone
22x8x3 in, raised mound of
earth 2½ft high from pits 24x24
x12 in deep for 1/4 sec cor
44 70 Small Spring brook runs S E.
80 00 A Pine tree 10 in diam. which I mark
for corner to Townships 33 N Ranges
53 & 54 W. from which a Pine
7 in. diam. bears N 44¾ E. 10 lks. dist.
A Pine 8 in diam bears S 44¾ W. 21 lks. dist.
A Pine 6 in. diam bears West 2 lks. dist.
High broken hills and deep quicks.
Elm Boulder and Ash timber in
quicks. Pine on hills
and hillsides
Soil third rate

Eighth Standard Parallel North
R 54 West

S89°50' West on true line along
South boundary of sec. 36
Va 15°42' E.

28 20 Gulch course SE.

40 00 Deposit chained stake, set Sandstone
28+8+6 in. raised mound of earth
2½ft. high from pits 24+24+12 in.
deep for 1/4 sec cor

62 20 Dry creek, (Little Cottonwood) course SE.

80 00 Deposit chained stake, set Sandstone
36+8+3 in. raised mound of earth 2½ft.
high from pits 24+24+12 in deep for
corner to secs 35 and 36 from which
a Pine 14 in. diam. bears N61¼°E. 60 lks. dist.
a Pine 18 in. diam bears N14¼°W. 92 lks. dist.
a Pine 10 in. diam bears S.67¼°E. 16 lks. dist.
Surface rough & broken
High hills & deep gulches
Soil Thirdrate
Pine trees scattered along
Gulches and hillsides

8th Standard Parallel N.
R. 54 W.

S89°50' West on true line along
South boundary of sec. 35
Va 15°42' E.

40 00 Deposit chained stake, set Limestone
36+8+3 in. raised mound of Earth
2½ft. high from pits 24+24+12
in deep for 1/4 sec cor. from which
a Pine 12 in diam bears S60°45' E
30 links distant

49 60 South branch of Little Cottonwood
creek dry on line course SE

80 00 Deposit chained stake raised
mound of earth 2½ ft. high from
pits 24+24+12 in deep for corner
to secs 34 and 35
East 48 chs very broken by
short deep gulches, filled
with Pine timber
West 32 chs. Open prairie
Firstrate Soil - Good grass.

8th Standard Parallel N.
R. 54 W.

S89°50' West on true line along
South boundary of sec 34
Va 15°40' E.

16 00 Thus being a perpendicular White Earth Cliff impossible to descend, I cause a flag to set in line on opposite bank, I then run a base line S. 1.50 chains from which the flag bears N 79°11' W which gives ~~7.00~~ 7.85 chs as distance to flag across gulch

40 00 Deposit charred stake, Set Limestone 18+12+8 in. raised mound of earth 2½ ft. high from pits 24+24+12 in deep for 1/4 sec cor.

62 00 Spring brook 2 lks. wide runs North

80 00 Deposit charred stake raised mound of earth 2½ ft. high from pits 24+24+12 in deep for corner to secs. 33 & 34 Drove marked Boneldew stake 2+2+24 in. in E. pit
East half very broken, West half valley
Timber in gulches
Soil and grass first rate

8th Standard Parallel N.
R. 54 W.

S89°50' West on true line along
South boundary of sec 33
Va 15°40' E.

24 00 Leave valley and enter Spur of hills bearing NW & E.

40 00 Deposit charred stake, raised mound of earth 2½ ft high from pits 24+24+12 in deep, Set Limestone 16+6+4 in in mound for 1/4 sec cor

55 15 Pine tree on line 8 in diam

59 00 Leave Spur of hills and enter valley bears NE & SE

80 00 Deposit charred stake, raised mound of earth 2½ ft. high from pits 24+24+12 in. deep for corner to secs. 32 & 33 Drove marked Boneldew stake 2+2+24 in East pit.
Hills broken, Soil third rate
Valley, Soil medium second rate
Good grazing land

8th Standard Parallel N.
R. 54 W.

S 89°50' West on true line along
South boundary of sec. 32
Va 15°40' E.

40 00 Deposit charred stake raised
mound of earth 2½ ft. high
from pits 24 + 24 + 12 in
deep for 1/4 sec cor
48 50 Ravine course N.E.
80 00 Deposit charred stake, raised
mound of earth 2½ ft. high
from pits 24 + 24 + 12 in deep
for corner to secs 31 and 32
Drove marked Boxelder stake
2 x 2 x 24 in. in East pit.
Gently rolling prairie
Soil good second rate
Good grazing land

July 8th 1880

8th Standard Parallel N.
R. 54 W.

S 89°50' West on true line along
South boundary of sec 31
Va 15°39' E.

35 20 Spring branch 5 lks wide runs N.E.
40 00 Deposit charred stake, raised mound
of earth 2½ ft. high from pits 24 + 24
+ 12 in. deep for 1/4 sec cor.
51 00 Deep quick course North
80 00 The point for Standard to Townships 33 N
Ranges 54 & 55 W. falls in deep White Earth
Washout & cannot there be established
therefore at a point for Witness corner
40 lks South of the true point
Deposit charred stake, raised mound
of Earth 2½ ft high from pits 24 +
24 + 12 in deep for corner to
said Townships 33 N R. 54 & 55 West
Drove marked Boxelder stake
2 x 2 x 24 in in E. pit.
Broken by quicks and
White Earth Canons
Soil third rate, good grazing

Eighth Standard Parallel North
R 55 W.

S 89° 50' West on true line along
South boundary of sec. 36
Va 15° 39' E.

28 80 Wagon road bears NW & SE.
40 00 Deposit charred stake, raised mound
of earth 2½ ft high from pits
24 x 24 x 12 in deep for 1/4 sec cor
Drove marked Cottonwood stake
2 x 2 x 24 in in E. pit.
A Cottonwood tree 6 in. diam bears
N. 82° 15' West, 90 lks dist.
40 80 Dry creek course North
43 00 Same creek course SW
49 60 Same creek course NW.
64 20 Road bears N E & SW
73 00 Telegraph line bears NW & SE.
80 00 Deposit charred stake raised mound
of earth 2½ ft. high from pits 24 x 24 x
12 in. deep for corner to secs. 35 & 36
Drove marked Elm stake 2 x 2 x 24
in. in East pit
Gently rolling
Soil Clay, good second rate

8th Standard Parallel N.
R. 55 W.

S 89° 50' West on true line along
South boundary of sec 35
Va 15° 39' E.

26 40 Hat Creek 10 lks wide 10 inches deep
runs North
30 50 Road bears NW & SE
40 00 Deposit charred stake raised mound
of earth 2½ ft. high from pits 24 x
24 x 12 in deep for 1/4 sec. cor.
80 00 Deposit charred stake, raised
mound of earth 2½ ft. high
from pits 24 x 24 x 12 in deep
for corner to secs 34 & 35
Drove marked Boulder stake
2 x 2 x 24 in. in East pit.
Gently rolling Valley land
Soil good second rate
Timber along creek
Emmons & Brewster's ranch
is on Hat Creek about
20 chains South of line

8th Standard Parallel N
R. 55 W.

S89°50' West on true line along
South boundary of sec 34
Va 15°39' E,

40 00 Deposit chained stake, raised
mound of earth 2½ ft high
from pits 24 + 24 + 12 in. deep
for 1/4 sec cor.

58 80 Creek 10 lks wide, runs N E,
Water white & Clayey
Large Beaver dam on North side of line

80 00 Deposit chained stake, raised
mound of earth 2½ ft. high
from pits 24 + 24 + 12 in deep
after setting Limestone 12 + 8 + 6
in. for corner to secs 33 & 34
Surface gently rolling
Clay soil, Second rate

8th Standard Parallel N.
R. 55 W.

S89°50' West on true line along
South boundary of sec 33
Va 15°39' E,

40 00 Deposit chained stake raised
mound of earth 2½ ft. high
from pits 24 + 24 + 12 in deep
for 1/4 sec cor.

80 00 Deposit chained stake, raised
mound of earth 2½ ft. high
from pits 24 + 24 + 12 in
deep for corner to secs.
32 and 33
Drove marked Boxelder stake
2 + 2 + 24 in in East pit
Gently rolling Clay land
Soil Second rate
Good grazing

8th Standard Parallel N
R. 55 W.

S 89° 50' West on true line along
South boundary of sec. 32
Va 15° 39' E.

3 20 Spring brook 4 lks. wide runs N.E.
40 00 Deposit chained stake raised
mound of earth 2½ ft. high
from pits 24 + 24 + 12 in
deep for 1/4 sec cor
64 90 Drain course North
80 00 Deposit chained stake, raised
mound of earth 2½ ft. high
from pits 24 + 24 + 12 in deep
for corner to secs 31 and 32
Drove marked Boxelder stake 2 +
2 + 24 in in East pit
Gently rolling Clay land
Soil Secondrate

8th Standard Parallel N,
R. 55 W.

S 89° 50' West on true line along
South boundary of sec. 31
Va 15° 39' E.

5 70 Leave Prairie and enter White
Earth Canon
40 00 Deposit chained stake, raised
mound of White Earth & rocks
2½ ft high. No well defined
pits on account of nature
of ground & rocks
54 70 Drain course North
80 00 Deposit chained stake, Set a
Sandstone 30 + 14 + 4 in, raised
mound of earth 2½ ft. high
from pits 24 + 24 + 12 in
deep for corner to Townships
33 N Ranges 55 and 56 West.
Surface broken washouts
Soil barren, worthless

Eighth Standard Parallel North
R 5 6 W.

S 89° 50' West on true line along
South boundary of sec. 36
Va 15° 36' E.

16 00 Drain course NW
36 20 Drain course North
40 00 The point for 1/4 sec cor, falls in
deep White Earth gulch and cannot be
established, I therefore set Witness
corner on grass bunch S. 46° 30' E.
60 lks distant, raised mound
of earth 2½ ft. high from pits
24 + 24 + 12 in deep for 1/4 sec. cor.
Pits made North & South of corner
75 30 Drain course North
80 00 Deposit charred stake raised
mound of earth 2½ ft. high
from pits 24 + 24 + 12 in.
deep for corner to secs 35 & 36
Drove marked Ash stake 2 + 2 +
24 in. in East pit
Rough & broken by White Earth
gulches, Soil worthless, 3rd rate

8th Standard Parallel N.
R. 5 6 W.

S 89° 50' West on true line along
South boundary of sec 35
Va 15° 36' E.

40 00 Deposit charred stake, raised
mound of earth 2½ ft. high
from pits 24 + 24 + 12 in. deep
for 1/4 sec cor.
43 70 Spring brook runs North
68 60 Brook 5 lks wide runs North
78 00 Brook 5 lks. wide runs North
80 00 Point for corner falls in deep White
Earth gulch, therefore I establish
Witness Corner 70 links West
of true point, on West bank of
gulch, Deposit charred stake
raised mound of earth 2½
ft high from pits 24 + 24 +
12 in deep for corner to secs 34 & 35
Drove marked Ash stake 2 + 2 +
24 in in East pit
Surface rolling & broken
Soil third rate
Timber along Brooks.

8th Standard Parallel N,
R. 56 W.

S 89° 50' West on true line along
South boundary of sec. 34
Va 15° 33' E.

40 00 Deposit chained stake, ~~raised~~.
Set Sandstone 18 + 10 + 3 in raised
mound of earth 2½ ft. high
from pits 24 + 24 + 12 in
deep for 1/4 sec cor.
Springs in Drain 4 chs north of line
40 50 Drain course N E.
75 00 Spring brook runs N E.
80 00 Deposit chained stake raised
mound of earth 2½ ft. high
from pits 24 + 24 + 12 in deep
for corner to secs 33 & 34
Drove marked Ash stake 2 + 2
+ 24 in in East pit
Surface rolling, Clay
Soil secondrate
Good grazing

8th Standard Parallel N,
R. 56 W.

S 89° 50' West on true line along
South boundary of sec 33
Va 15° 30' E.

40 00 Deposit chained stake, raised
mound of earth 2½ ft. high from
pits 24 + 24 + 12 in. deep for
1/4 sec cor.
Drove marked Birch stake 2 + 2 +
24 in. in E pit
47 75 Spring branch 2 lks wide runs N.
54 20 Spring branch 5 lks wide runs N E.
80 00 Deposit chained stake, raised
mound of earth 2½ ft. high
from pits 24 + 24 + 12 in deep
for corner to secs. 32 & 33
Drove marked Birch stake
2 + 2 + 24 in in East pit.
Surface gently rolling
Soil secondrate
Good grazing land

8th Standard Parallel N.
R. 56 W.

S 89°50' West on true line along
South boundary of sec. 32
Va 15°33' E.

23 70 Stage Road bears N & S.
40 00 Deposit charred stake, raised
mound of earth 2½ ft. high
from pits 24 + 24 + 12 in. deep
for 1/4 sec cor.
52 10 To Closing Corner to Township
32 N Ranges 56 & 57 West
78 60 Spring branch 4 lks wide runs North
80 00 Deposit charred stake, raised
mound of earth 2½ ft. high from
pits 24 + 24 + 12 in. deep for
corner to secs. 31 and 32
Drove marked Birch stake 2 + 2 +
24 in. in East pit
Surface rolling
Soil thirdrate
Good grazing land

8th Standard Parallel N
R. 56 W.

S 89°50' West on true line along
South boundary of sec. 31
Va 15°35' E.

40 00 Deposit charred stake, Set a
Sandstone 15 + 8 + 4 in. raised
mound of earth 2½ ft. high
from pits 24 + 24 + 12 in.
deep for 1/4 sec. cor.
54 70 To Flat Cap rock on North End
of high ledge of Rocks,
79 50 Dry creek course North
80 00 Deposit charred stake, Set a Pine
post 5 + 5 in. + 5 ft. 1 ft. deep
raised mound of Earth 2½ ft
high from pits 24 + 24 + 12 in
deep for Standard Corner to
Townships 33 N Ranges
56 and 57 West. from which
A Pine 12 in. diam bears N. 82°25' E. 67 lks. dist
A Pine 10 in. diam bears N. 21°15' W. 15. lks dist.
Surface rolling
Soil Secondrate
July 9th 1880

Eighth Standard Parallel North
Ranges 49 to 56 West.

General Description

Excepting about five miles on this line in ranges 53 and 54 West the country along this line, is gently rolling prairie, differing in quality of soil, from broken barren White Earth Cañons, entirely destitute of vegetation to Excellent Agricultural land.

In ranges 49 and 50 lying East and South of White River, the surface is somewhat broken by Cañons and ravines yet it possesses some good dark Clay land, capable of producing good crops of Vegetables and Cereals—

In sec. 31 T. 33 N R 49 W is a fine creek 15 lks wide & 2 ft. deep with some timber along the creek, White river meanders along the line in secs 32, 33 & 34 Range 50 W

This stream is from 20 to 40 links wide and 2 ft. deep The valley along the river is sandy loam very much cut up by the windings of the stream. There is some timber, Box elder, Cottonwood and Ash along the river

In ranges 51 & 52 the country is undulating, The soil is a White brown and known as Gumbo or bad land It produces a fair growth of grass for grazing and for hay There is some excellent rich land along the river.

The West half of range 52 and the East half of range 53 is very much broken by Cañons and White Earth gulches. In section 33 T 33 Range 53 the line enters the North Eastern spur of Soldier's Cliff Grove Hills. These hills

rise abruptly several hundred
feet above the surrounding valleys.
The line leaves these hills
in section 34 Range 54.
In secs. 31 and 32 of range 53 and
in sec. 36 and East 55 chs of sec
35, the line runs over high rocky
cliffs, and through deep wooded
canons. Little Cottonwood
creek rises here. On the summit
of these hills is excellent soil,
and good grass. There are
large quantities of Pine trees
about the Hills— A
perpendicular wall of rock
extends along the west side
difficult to descend. There
is some excellent farming land
in ranges 55 and 56 West
that may easily be irrigated.
The parallel again enters the
hills in sec. 31 Range 56 W.
The West 21 miles along this line

is well watered by many
small brooks and rivulets
of clear cold spring water
which flow from the mountain
sides North into Hat creek.
The main stream crosses
the line in sec. 35 R. 55 W.
In range 53 there is an extensive
washout or White Earth Canon
lying at the base of the hills
and extending eastward four
or five miles from the extreme
N E corner of the spur of the hills
North of the parallel.
Large herds of cattle are
being grazed all along the
line. Limestone and Sandstone
is found in many places

Field Notes
of the
8th Standard Parallel North
from the
7th Guide Meridian West
to the
Nebraska—Wyoming line

Surveyed By

Robert Harvey U.S. Deputy Surveyor
Under joint Contract No. 114
dated May 19th 1880

Surveyed July 1880

Eighth Standard Parallel North
R 57 W.

From the Standard Corner to Tps. 33 N. Ranges 56 & 57 W. I run on the Eighth Standard Parallel West on a true line along the South boundary of sec. 36

Va 15° 35' E.

16	80	Spring brook runs North
22	70	Spring brook runs North
38	00	Top of flat Cap rock bears N & S.
40	00	Set Limestone 18+12+4 in mound of stone on N.W. side and on Edge of the Cap rock for 1/4 sec cor. from which a Pine 6 in. diam bears N 83° E 80 lks dist. A high bald White earth butte bears S 22° West 240 lks. dist. A perpendicular cliff bring directly West of the 1/4 sec. cor. impossible to descend I offset by running South from the 1/4 sec cor. 4.47 chs. along base of White Earth Cliff to a point thence West ~~West~~ 4.50 chains thence South 5.25 chains

thence West 3.25 chs. thence South
6.55 chains. making 16.27 chains
South and 7.75 chs. West to a
point on summit of Flat Rock
ridge thence West 30.00
making for total distance
West on Offset from 1/4 sec cor
37.75 ~~37.25~~ thence North 16.27 chs.
to a point in line and on East
rim of perpendicular cliff
thence West on true line 2.25
chs. which added to 37.75 which
makes for total distance on sec
36
80 00 Deposit charred stake, Set a
Limestone 24 + 4 + 2 and deposit
marked stone 6 + 3 + 2, raised mound
of earth 2½ ft high from pits 24 + 24 +
12 in deep for corner to secs 35 & 36
Drove marked Cottonwood stake 2 + 2
+ 24 in in E pit.
Surface very rough broken
Soil Third rate
Timber in gulches

S 89° 50' West on true line along
South boundary of sec. 35
Va 15° 35' E.
40 00 Deposit charred stake, raised
mound of Earth 2½ ft high
from pits 24 + 24 + 12 in. deep
for 1/4 sec cor, about a
Limestone 26 + 8 + 6 in
80 00 Deposit charred stake and
marked Limestone 6 + 5 + 2 in at
point for corner. raised mound
of earth 2½ ft. high from pits
24 + 24 + 12 in deep for corner
to secs. 34 & 35
Drove marked Cottonwood stake 2 + 2
+ 24 in. in E. pit.
Gently rolling prairie
Dark soil, good second rate

West on a true line along
South boundary of sec. 34
Va 15' 45' E.

40 00 Deposited marked stone, 3 in dia
Set Limestone 14+8+3 in. raised
mound of Earth 2½ ft. high from
pits 24+24+12 in deep for 1/4 sec. co
80 00 Deposit marked stone 6+3+3 in
set Limestone 16+8+3 in raised
mound of Earth 2½ ft. high from
pits 24+24+12 in deep for
corner to secs. 33 and 34
Drove marked Cottonwood stake
2+2+24 in. in E. pit.
Corner stands on N.E. edge of a
shallow White Earth "Washout" gulch
Surface gently rolling
Prairie, Soil good 2nd rate
Good grass land

S 89° 59' West on true line along
South boundary of sec 33
Va 15' 55' E.

34 50 Drain course NW
40 00 Deposit charred stake, set a
Limestone 16+12+2 in raised
mound of Earth 2½ ft. high from
pits 24+24+12 in deep for 1/4 sec. cor.
78.99 Intersect West boundary of
Nebraska, 26.39 chains North
of the 123rd Mile Post, I found
corner on North edge of small
White Earth Washout, Pine post
was down, pits almost
obliterated and mound
nearly washed down
In place of post I set a
Limestone 26+6+4 in. firmly
in the Earth at point for corner
and rebuilt mound of White
Earth and stone
At the point of intersection
of the 8th Standard Parallel

with the West boundary of the State
Deposit charred stake Set a
Limestone 30 x 8 x 6 in. raised
mound of Earth 2½ ft high
from pits 2ft x 2ft x 12 in. deep
for Closing Corner for the 8th
Standard Parallel North on
the West boundary of the State
Drove marked Cottonwood stake
2 x 2 x 24 in. in East pit.
Surface rolling prairie
Soil second rate
Good grazing land

July 14th 1880

Note - Remeasurement of State line from the N.W.
Corner of State to the 123rd Mile Post. See
page 417

Robert Harvey

Eighth Standard Parallel North
R 57 W.

General Description

Section 36 of T. 33 N. Range
57 West is very rough and
broken by deep Cañons
and cracks which are filled
with dense growth of timber
Boxelder Ironwood, Ash and
Pine. About 2 chains East of
the 1/4 sec. cor. the line intersects
the North end of a lofty rock
ridge, which is perpendicular
at the Extreme North End
and on the West side. The 1/4
sec. corner stands on the West
edge of the ridge. West of the
corner, the perpendicular
ledge forms a Semicircle
curving South of the line
and recrosses the same
just East of the cor to secs. 35 & 36
Balance of Parallel is over
gently rolling Prairie
and occasional White Clay Buttes.

The soil is a dark sandy loam and of good quality producing good grass.
In the low places on the high table land can be found large tracts producing good tall grass suitable for hay
The soil is loose and friable and good for farming purposes.

List of Names.

A list of the names of the individuals employed to assist in running measuring and marking the lines and corners described in the foregoing field notes of the eighth Standard Parallel from the 6th Guide Meridian to the West Boundary of the State, North of the base line and west of the 6th Principal Meridian showing the respective capacities in which they acted

Wilson F. Frazier	Chainman
Rainford Wilcox	Chainman
Sam. Peoples	Chainman
John Wherrett	Chainman
Max Amende	Cornerman
John S. Young	Cornerman
Horace Tyrrell	Flagman

We hereby certify that we assisted Robert Harvey Deputy Surveyor in Surveying the 8th Standard Parallel from the 6th Guide Meridian to the West Boundary of the State. North of the Baseline and 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 instructions furnished by the Surveyor General of dimensions character, construction and marking and in the manner as specifically described in the foregoing field notes

Wilson F. Frazier	Chainman
Ransford Wilcox	Chainman
Sam Ripples	Chainman
John Sherrett	Chainman
Max Emende	Cornerman
John V. Young	Cornerman
Horace Tyrell	Flagman

Subscribed and sworn to before
me this 2nd day of October
A.D. 1880 A. A. Kendall
Clerk Dist. Court
Howard County } ss
Nebraska

I Robert Harvey Deputy
Surveyor do solemnly swear that in
pursuance of a joint Contract wherein
Nicholas J. Paul Robert Harvey and
C. R. Starkweather are joint Con-
tractors with Geo. S. Smith U. S.
Surveyor General for the District of
Nebraska and Iowa bearing date
May 19th 1880. I have well and faith-
fully 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 Sur-
veyed the 8th Standard Parallel
North, from the 6th Guide Meridian
to the West Boundary of the State,
North of the Base Line and West of
the 6th Principal Meridian in Nebraska
as represented in the foregoing field Notes
as having been surveyed under my direction
and I do further solemnly swear that
in that all the Corners of said Survey

have been established and perpetuated in strict accordance with the Surveying Manual, printed instructions and special instructions of the Surveyor General, of dimensions Character, Construction and Marking and in the Manner as specifically described in the foregoing field notes and that the foregoing ~~field notes~~ are the true and original field Notes of said Survey.

Robert Harvey
Deputy Surveyor

Subscribed and sworn to before me this 5th day of Oct AD 1880

W R Stitt
Co Clerk

Remeasurement of the West Boundary from the North West Corner of the State South to the 123 W. Port, Course from South to S 18' East.

138	port	22	85		22.43		22 67
137	"	79	40	138 mile	80.00		80 00
136	"	79	25	137	79.24		80 00
135	"	79	60		79.68		80 00
134	"	79	50		79.95		80 00
133	"	79	50		79.70		80 00
132	"	86	30		82.00		80 00
131	"	80	37		78.56		80 00
130	"	77	62		78.86		80 00
129	"				80.25		80 00
128	"	158	97	128	80.24		80 00
127	"	78	48		77.23		80 00
126	"	77	93		78.16		80 00
125	"	77	57		79.86		80 00
124	"	82	70		82.67		80 00
123	"	79	71		79.81		80 00
Total		1221	75		86.74		1222 67

Not found, falling in Creek bottom

Retracement by Stahl in of boundary line 1907-1908

64
86
99
121

Alignment of Corners very irregular

Surveyor General's Office
Plattsmouth Neb. Nov. 14th 1880

The foregoing field notes of the survey of the Eighth Standard Parallel North of the Base Line, from the 6th Guide Meridian West of the Sixth Principal Meridian, in Nebraska, to the West Boundary of the State, Executed by Robert Harvey Deputy Surveyor under joint Contract No 714, dated May 19th 1880, in the months of June & July 1880, having been critically Examined the necessary Corrections & Explanations, made, the said field notes and the surveys they describe are hereby approved.

Geo. S. Smith
Surveyor General

General Land Office • Original Field Notes

Book Number

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

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