General Land Office • Original Field Notes

Book Number

779

W.W. Alt Subdivision of T 21 N - R 39 W

The images in this file are microfilm images of the notes of W.W. Alt resurveys of portions of the State of Nebraska on file in the Office of the Nebraska State Surveyor located in Lincoln, Nebraska.

The W.W. Alt resurveys began in the mid 1890's and were completed in the early 1900's.

"Duplicate" X

a E. 11-19-1903

(4—679.)

Received with letter from W. W. Alt, U. S. Surveyor, dated Sept 13 1896. 98725-'96

FIELD NOTES

OF THE SURVEY OF

Subdivision and Claim Lines

of

Township No. 21 N., Range 39 W.

Of the 6th Principal Meridian,

State of Nebraska

AS SURVEYED BY

Willard W. Alt, U. S. Deputy Surveyor,

Under his Contract No. ....., *dated* December 26, 189[illegible].

Survey commenced June 26, 189[illegible].

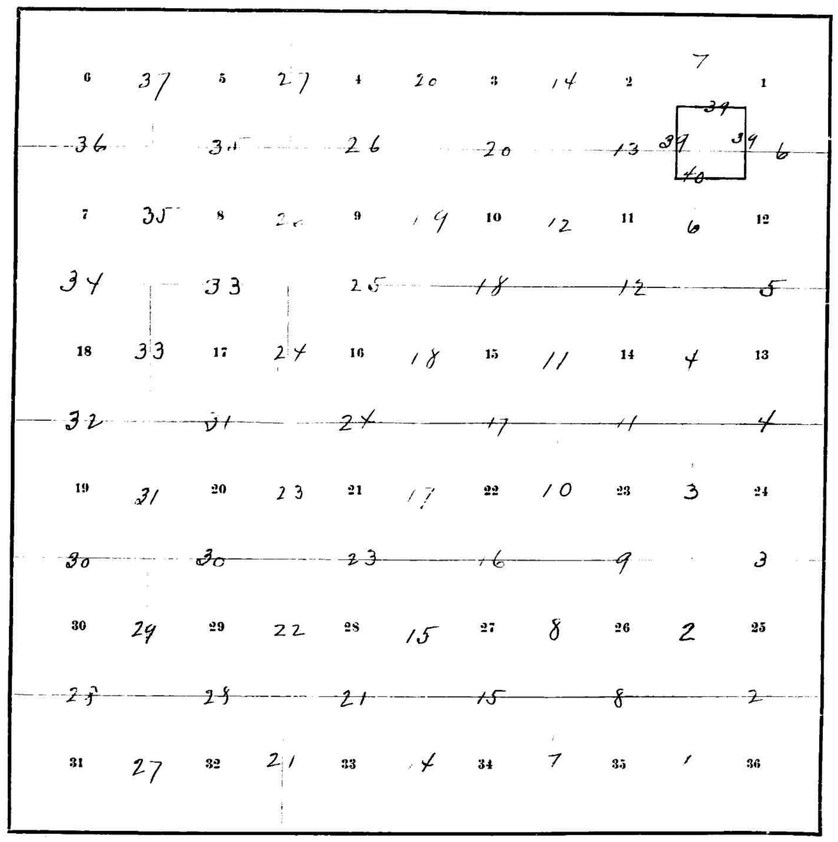
Survey completed July 7, 189[illegible].

Names and Duties of Assistants.

Clarence P. Haggard, Chainman.
Sidney Blout, Chainman.
James G. Gruver, Flagman
James C. Rosengren, Moundman.
Albert H. Andrews, Moundman.

INDEX DIAGRAM.

Township ....., *Range* .....



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Meanders Page .....

Preliminary Oaths of Assistants.

WE, Clarence P. Haggard and Sidney Blout

do solemnly swear that we will well and faithfully execute the duties of chain carriers; that we will level the chain over even and uneven ground, and plumb the tally-pins either by sticking or dropping the same; that we will report the true distance to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us in the survey of the Subdivision and Chain lines of Townships No 23 & 24 N, Range 37 West, Townships No. 23 & 24 N. Range 38 West, Townships No. 21. 22. 23 & 24 North, Range 39 West Townships 21. 22 23 & 24 North, Range 40 West, and Fractional Townships No. 21. 22. 23 N. Range 41. West of the 6th principal Meridian in the State of Nebraska.

Clarence P. Haggard, Chainman.
Sidney Blout, Chainman.
....., Chainman.
....., Chainman

seal

Subscribed and sworn to before me this 19 day of June, 1895.

E. E. Lowe
County clerk in & for
Grant County Nebraska

WE, James C. Rosengren and Albert H Andrews and Theodore Nuland

do solemnly swear that we will well and truly perform the duties of ~~axemen~~ Marksmen in the establishment of corners and other duties, according to instructions given us, and to the best of our skill and ability, in the survey of the Subdivision and Chain lines of Townships No 23 & 24 N, Range 37 West, Townships No 23 & 24 N, Range 38 West Townships No 21. 22. 23 & 24 N. Range 39 West, Townships 21. 22 23 & 24 N, Range 40 West - and fractional Townships No 21. 22 & 23 N. Range 41 West of the Sixth Principal Meridian in the State of Nebraska

Subscribed and sworn to before me this 19th day of June, 1895.

James C. Rosengren, ~~Axeman.~~ Marksman
Albert H Andrews, ~~Axeman.~~ Marksman
Theodore Nuland Marksman

E. E. Lowe
Seal County Clerk in & for
Grant Co. Neb.

6—151

I James G Gurner, do solemnly swear that I will well and truly perform the duties of flagman, according to instructions given me, to the best of my skill and ability, in the survey of the Subdivisions and Chain lines of Townships No. 21. 22 23 and 24 North, Range 40 West, Townships No. 21. 22, 23 and 24 North, Range 39 West, Townships No 23 and 24 North, Range 38 West, Townships No 23 and 24 North Range 37 W. and fractional Townships No. 21. 22, and 23 North Range 41 West, of the 6th Principal Meridian in the State of Nebraska.

James G Gurner
Flagman.

Subscribed and sworn to before me this 19th day of June AD 1895.

E. E. Lowe
Co. Clerk in and
for Grant Co Neb.

I, Theodore Nieland, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of the subdivisions and claim lines of Townships No. 23 and 24 N. Range 39 W. of Townships No. 23 and 24 N. Range 38 W. and the claim lines in Township No. 22 N. Range 39 W. Township 21 N Range 40 W. Township No. 21 and 22 N Range 41 W and the Homestead claim of Perry A Yeast in Township No. 23 N. Range 41 W. of the 6th Principal Meridian, State of Nebraska

Theodore Nieland
Flagman.

Subscribed and sworn to before me this 30th day of September 1890

Wilkins W. Alt
U.S. Surveyor.

Subdivision of T. 21 N., R. 39 W.

Chains	
	Survey commenced June 26 1895, and executed with a transit instrument No 15 of W. & L.E. Gurley, provided with verniers placed opposite to each other, and reading to minutes. The instrument was placed in repair by Seelig and Kandler, Chicago, before commencing this work.
	At the Standard Cor. to T. 21 N., Rs. 38 & 39 W. I lay off an angle of 90° to the west from the meridian which I established at this Cor. in the survey of the 5th Standard, and produce this direction to a point S. of the cor of secs 35 & 36, and N of the other Standard Cors. of this Twp. In establishing the section lines I turn an angle to the north from this line of 90°, thus making all meridional section lines parallel to the Bdy of Twp.
	N. 0°01' W. betn secs 35 & 36. over level bottom land.
31.00	To edge of sand bluffs - bear N. 75° E. & reverse. ascend gradually through depression in ridge.
40.00	Deposit a charred stake 12 ins in the ground for 1/4 sec cor. dig pits 18 x 18 x 12 ins N & S of cor 4 ft dist raise a mound of earth 3½ ft base 1½ ft high over deposit. In S pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd. 1/4 S, on west face.
49.00	Summit of ridge.
60.00	Begin gentle descent along NW slope.
80.00	Deposit a charred stake 12 ins in the ground for cor of secs 25. 26. 35. & 36. dig pits 18. x 18. x 12 ins in each sec 4 ft dist. raise a mound of earth 4 ft base 2 ft high over deposit. In SE pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd. T21N S25. on NE. R39W S36. on SE. S35. on SW. and S26. on NW faces with 1 notch on E & S edges.
	Soil sandy: 3rd rate. Bunch grass.

Chains.

S. 89°39' E. on a random line betn secs 25 & 36.

40.00 Set temp ¼ sec cor.

79.98 Intersect range line at the cor of secs 25. 30. 31. & 36.

Thence I run

N. 89°39' W. on true line betn secs 25 & 36.

Ascend gently along NE slope.

39.99 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18x18x12 ins. E & W of cor 4 ft dist raise a mound of earth 3½ ft base 1½ ft high over deposit. In E pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd.

¼ S., on north face.

79.98 The cor of secs 25. 26. 35. & 36.

Soil. sandy loam: 2nd rate.

Vegetation, thin prairie grass.

N. 0°01' W. betn secs 25 & 26.

descend gradually.

14.00 Enter rolling bottom land.

31.00 To foot of bluff.; bears N 30° E & S. 50° W.; ascend abruptly along SE slope.

40.00 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18x18x12 ins N & S of cor 4 ft dist raise a mound of earth 3½ ft base 1½ ft high over deposit. In S pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground marked

¼ S., on west face.

46.00 Top of bluff. 150 feet above bottom.

48.00 Descend abruptly along NE slope.

64.00 Bottom of pass: bears NW & SE. ascend through broken hills.

77.00 Top of ascent: thence along W. slope.

80.00 Deposit a charred stake 12 ins in the ground for cor of secs 23. 24. 25. & 26. dig pits 18x18x12 ins in each sec 4 ft dist and raise a mound of earth 4 ft base 2 ft high over deposit.

In SE pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd.

T 21 N S 24. on NE.

R 39 W S 25. on SE.

Chains

S 26. on SW. and

S 23. on NW faces with 2 notches on S. and 1 on E. edges.

Soil. sandy: 3rd rate.

Vegetation, mostly bunch grass.

S. 89°39' E. on a random line betn secs 24 & 25.

40.00 Set temp ¼ sec cor.

80.04 Intersect range line 18 lks S of the cor of secs 19. 24. 25. & 30.

Thence I run

N. 89°47' W on true line betn secs 24 & 25.

over rolling foot hills along S face of ridge.

30.00 Begin ascent along SE. slope.

37.00 Summit of sand peak 75 ft high.

40.02 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18x18x12 ins E & W of cor 4 ft dist raise a mound of earth 3½ ft base 1½ ft high over deposit. In E pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground marked

¼ S., on N face.

Descend gradually. along SW. slope.

56.00 Bottom of descent. ascend through rolling hills.

75.00 Top of ascent: descend along W. slope.

80.04 The cor of secs 23. 24. 25. & 26.

Soil. sandy: 3rd rate.

Vegetation; bunch, and sand grass.

N. 0°01' W. betn secs 23 & 24.

ascend along SW slope of range.

9.00 Top of ascent: descend along NW slope through broken chop. hills.

32.00 Enter low bottom on W. side.

40.00 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18x18x12 ins. N & S of cor 4 ft dist raise a mound of earth 3½ ft base 1½ ft high over deposit. In S pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd

¼ S., on west face.

Ascend gently over low hills.

Chains	
46.00	Top of ascent 10 ft above ¼ cor: descend gradually through low rolling chop-hills.
63.00	Pass: at bottom of descent: ascend along SE. slope of bluff.
78.00	Top of sand point.
80.00	Set an oak post 3 ft long 4 ins square with a charred stake 24 ins in the ground for cor of secs 13. 14. 23. & 24. marked. T21NS13. on NE. R39WS24. on SE. S23. on SW. and S14. on NW faces. with 3 notches on S & 1 on E edges. dig pits 18x18x12 ins in each sec 5½ ft dist and raise a mound of earth 4 ft base 2 ft high west of corner. Soil. sandy: 3rd rate. Vegetation. bunch grass.
	S. 89° 47' E. on a random line betn secs 13 & 24.
40.00	Set temp ¼ sec cor.
79.96	Intersect range line at the cor of secs 13. 18. 19. & 24
	Thence I run
	N. 89° 47' W. on true line betn secs 13 & 24. over low rolling chop-hills at S side of range.
39.98	Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18x18x12 ins. E & W of cor 4 ft dist and raise a mound of earth 3½ ft base 1½ ft high over deposit. In E pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground marked ¼ S., on N face.
58.00	Ravine. NW & SE.: ascend along S face of bluff.
76.00	Top of ascent: descend.
79.96	The cor of secs 13. 14. 23. & 24.
	Soil. sandy: 3rd rate.
	Vegetation. bunch grass.
	N. 0° 01' W. betn secs 13 & 14.
	ascend S face of ridge.
11.00	Summit of bluff. 150 ft.: descend N slope.
19.00	Enter low, rolling chop-hills.

Chains	
40.00	Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18x18x12 ins N & S of cor 4 ft dist & raise a mound of earth 3½ ft base 1½ ft high over deposit. In S pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground marked ¼ S., on west face.
	ascend.
44.00	W. edge of sand bluff. 50 ft above ¼ cor: descend over rolling chop-hills.
80.00	Deposit a charred stake 12 ins in the ground for cor of secs 11. 12. 13. & 14. dig pits 18x18x12 ins in each sec 4 ft dist & raise a mound of earth 4 ft base 2 ft high over deposit. In SE pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground marked T21NS12. on NE. R39WS13. on SE. S14. on SW. and S11. on NW faces. with 4 notches on S & 1 on E edges. Soil. sandy: 3rd rate. Vegetation. bunch grass.
	S. 89° 47' E. on a random line betn secs 12 & 13.
40.00	Set temp ¼ sec cor.
79.96	Intersect range line 3 lks N of the cor of secs 7. 12. 13. & 18.
	Thence I run
	N. 89° 46' W. on true line betn secs 12 & 13.
	ascend over rolling foot-hills.
24.00	Top of ascent, on ridge: & over low ridges.
39.98	Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18x18x12 ins. E & W of cor 4 ft dist & raise a mound of earth 3½ ft base 1½ ft high over deposit. In E pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground marked ¼ S., on north face.
50.00	Bottom of descent, over rolling foot-hills
79.96	The cor of secs 11. 12. 13 & 14.
	Soil. sandy: 3rd rate.
	Vegetation. bunch grass. June 26 1895

chains

N. 0°01' W. betw secs 11 & 12.
Descend through broken chop-hills.
9.50 Bottom of poss: bears S 80° W. & N. 60° E.
ascend abruptly along SE slope of bluff.
bearing N 30° E. & S. 70° W.
22.00 Summit: descend along NE. slope.
40.00 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18x18x12 ins. N & S of cor 4 ft dist raise a mound of earth 3½ ft base 1½ ft high over deposit. In S pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd: ¼ S., on west face.
43.00 Bottom of descent: Enter dry rolling valley of nearly circular form.
80.00 Set an oak post 3 ft long 4 ins square with a charred stake 24 ins in the ground for cor of secs. 1. 2. 11. & 12. marked.

T 21 N S1., on NE.
R 39 W S12. on SE.
S11. on SW. and
S2. on NW faces. with 5 notches on S & 1 on E edges. dig pits 18x18x12 ins in each. sec 5½ ft dist raise a mound of earth 4 ft base 2 ft high west of corner.

From this cor. the well & windmill belonging to Jas. Williams, bears N. 3° 10' E. 32 rds. dist.
Soil. sandy: 3rd rate in hills: sandy loam 2nd rate in bottom
Vegetation. bunch grass on hills: good pasture grass on bottom.

S 84° 46' E. on a random line betw secs 1 & 12.
40.00 Set temp ¼ sec cor.
79.90 Intersect range line 41 lks N. of the cor of secs 1. 6. 7. & 12.
Thence I run
N. 84° 28' W. on true line betw secs 1 & 12.
over rolling ground along top of range.
5.00 Begin descent of west slope.

chains
39.95 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18x18x12 ins. E & W of cor 4 ft dist & raise a mound of earth 3½ ft base 1½ ft high over deposit. In E pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd: ¼ S., on north face.
46.00 Enter rolling bottom land.
79.90 The cor of secs 1. 2. 11. & 12.
Soil. sandy: 2nd & 3rd rates
Bunch grass.

N. 0° 01' W. on a random line betw secs 1 & 2.
40.00 Set temp ¼ sec cor.
79.21 Intersect N bdy of the twp. 17 lks E. of the cor of secs 1. 2. 35. & 36.
Thence I run
S. 0° 08' E. on true line betw secs 1 & 2.
over broken ground along top of range.
19.20 Begin gentle descent along SE face of range.
39.21 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18x18x12 ins N & S of cor 4 ft dist & raise a mound of earth 3½ ft base 1½ ft high over deposit. In S pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd ¼ S., on west face.
45.20 Enter valley
79.21 The cor of secs 1. 2. 11. & 12.
Soil. on bluffs, sand 3rd rate: in bottom sandy loam 2nd rate. Vegetation. bunch grass & thin prairie grass.

N. 0° 02' W. betw secs 34 & 35.
ascend over broken hills.
8.00 Top of ascent. thence over rolling hills along top of ridge.
36.00 Begin descent of NW slope of range.
40.00 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18x18x12 ins N & S of cor 4 ft dist & raise a mound of earth 3½ ft base 1½ ft high over deposit. In S pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd ¼ S., on west face.

Chains

50.00 Bottom of ravine: bears NW & NE.: ascend along Sw. slope.

60.00 Top of ascent.: descend gradually along NW slope.

80.00 Deposit a charred stake 12 ins in the ground for cor of secs 26. 27. 34. & 35. dig pits 18 x 18 x 12 ins in each sec 4 ft dist raise a mound of earth 4 ft base 2 ft high over deposit. In SE pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground. mkd

T 21 N S 26. on NE.
R 39 W S 35. on SE.
S 34. on Sw. and
S 27. on NW faces. with 2 notches on E. and 1 on S edges.

Soil. sandy: 3rd rate.
Vegetation. bunch grass.

N. 89° 40' E. on a random line betn secs 26 & 35.

40.00 Set temp ¼ sec cor.

79.88 Intersect NTS line 4 lks S of the cor of secs 25. 26. 35. & 36.

Thence I run
S. 89° 38' W. on true line betn secs 26 & 35. over rolling ground along N slope of ridge.

39.74 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18 x 18 x 12 ins E & W of cor 4 ft dist raise a mound of earth 3½ ft base 1½ ft high over deposit. In E pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd

¼ S, on north face.

79.88 The cor of secs 26. 27. 34. & 35.

Soil. sandy: 3rd rate.
Thin prairie grass.

N. 0° 02' W. betn secs 26 & 27.
descend gradually along N. slope.

33.00 To foot of hills: bear N. 70° E. reverse: ascend gradually.

39.50 Top of first ascent: descend gradually.

40.00 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18 x 18 x 12 ins. NTS of

Chains

cor 4 ft dist raise a mound of earth 3½ ft base 1½ ft high over deposit. In S pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground marked

¼ S, on west face.

42.00 Bottom of descent: ascend through broken hills.

64.00 Top of ascent & over broken hills.

70.00 Descend along N. slope.

80.00 Deposit a charred stake 12 ins in the ground for cor of secs 22. 23. 26. & 27. dig pits 18 x 18 x 12 ins in each sec 4 ft dist raise a mound of earth 4 ft base 2 ft high over deposit. In SE pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground marked

T 21 N S 23. on NE.
R 39 W S 26. on SE.
S 27. on Sw. and
S 22. on NW faces. with 2 notches on E & S edges.

Soil. sandy: 3rd rate.
Bunch grass.

N. 89° 38' E. on a random line betn secs 23 & 26.

40.00 Set temp ¼ sec cor.

80.06 Intersect NTS line 14 lks N. of the cor of secs 23. 24. 25. & 26.

Thence I run
S. 89° 44' W. on true line betn secs 23 & 26.
descend slightly.

1.50 Ascend.

5.50 Descend along N slope of range.

13.00 Bottom of descent. in ravine bears N.: ascend.

38.00 Top of ascent.: descend gently.

40.03 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18 x 18 x 12 ins E & W of cor 4 ft dist raise a mound of earth 3½ ft base 1½ ft high over deposit. In E pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground marked

¼ S. on N face.

Chains

ascend. along N slope of range.

42.00 Top of ascent: descend along NW. slope. over ridges and ravines.

80.06 The cor of secs 22. 23. 26. & 27.

Soil. sandy: 3rd rate.

Bunch grass.

N. 0°02' W. betw secs 22 & 23.

Descend gradually along W. slope of ridge.

25.00 Enter dry rolling bottom: bears E & W.

40.00 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18x18x12 ins N & S of cor 4 ft dist & raise a mound of earth 3½ ft base 1½ ft high over deposit. In S pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd

¼ S, on west face.

Ascend gently over bottom land.

56.00 To foot of range: S70° W. ascend over broken sand bluffs.

75.00 Top of ascent. on sand peak 75 ft high. thence over broken ground along top.

80.00 Deposit a charred stake 12 ins in the ground for cor of secs 14. 15. 22. & 23. dig pits 18x18x12 ins in each sec 4 ft dist & raise a mound of earth 4 ft base 2 ft high over deposit. In SE pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground marked

T 21 N S 14. on NE.

R 39 W S 23. on SE.

S 22. on SW. and

S 15, on NW faces. with 2 notches on E & 3 on S edges.

Soil. sandy: 3rd rate.

Vegetation, Bunch grass except in bottom where there is thin prairie grass.

Chains

N. 89°44' E. on a random line betw secs 14 & 23.

40.00 Set temp ¼ sec cor.

80.10 Intersect N & S line 4 lks S of the cor of secs 13. 14. 23. & 24.

Thence I run

S. 89°42' W. on true line betw secs 14 & 23.

descend W. slope.

21.00 Bottom of descent. in depression: N & S: ascend slightly over broken ground.

38.70 Small sand peak: descend.

40.00 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18x18x12 ins E & W of cor 4 ft dist & raise a mound of earth 3½ ft base 1½ ft high over deposit. In E pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd.

¼ S, on north face.

59.00 Ravine, or pass: N & S. ascend along E slope.

68.00 Summit & along top of range.

80.10 The cor of secs 14. 15. 22. & 23.

Soil. sandy: 3rd rate.

Sand grass.

N. 0°02' W. betw secs 14 & 15.

Ascend.

0.50 Top of sand peak: descend over broken ground along top of range.

22.00 Begin descent along N slope.

40.00 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18x18x12 ins. N & S of cor 4 ft dist & raise a mound of earth 3½ ft base 1½ ft high over deposit. In S pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd. ¼ S, on west face.

Enter rolling bottom: E & W.

80.00 Deposit a charred stake 12 ins in the ground for cor of secs 10. 11. 14. & 15. dig pits 18x18x12 ins in each sec 4 ft dist & raise a mound of earth 4 ft base 2 ft high over deposit. In SE pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground marked

chains

T 21 N S 11. on NE.
R 39 W S 14. on SE.
S 15. on SW. and
S 10. on NW faces, with 2 notches on E & 4 on S edges
Soil. sandy: 3rd rate.
Vegetation, bunch and sand grass.

N. 89° 42' E. on random line betn secs 11 & 14.
40.00 Set temp ¼ sec cor.
79.90 Intersect M & S line 14 lks S of the cor of secs 11. 12. 13. & 14.
Thence I run
S. 89° 36' W. on true line betn secs 11 & 14.
descend gently over rolling ground.
10.00 Bottom of descent. in pass: bears NE & SW.
34.00 Ascend gently, through dry bed of old basin.
39.95 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18 x 18 x 12 ins. E & W of cor 4 ft dist raise a mound of earth 3½ ft base 1½ ft high over deposit. In E pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd ¼ S., on north face.
ascend gently.
44.00 Top of slight ridge: descend over rolling ground.
63.00 Ridge, bears N & S.: descend slightly over rolling ground.
79.90 The cor of secs 10. 11. 14. & 15.
Soil. sandy: 3rd rate.
Vegetation: bunch, and sand grass.
June 27, 1895.

N. 0° 02' W. betn secs 10 & 11.
over dry level bottom.
7.00 Trail: bears S 80° W. & N. 80° E.
12.00 Enter low rolling chop-hills: ascend gradually along SE slope.
39.00 Top of ascent: descend gently along NE slope.
40.00 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18 x 18 x 12 ins N & S of cor 4 ft dist raise a mound of earth 3½ ft base 1½ ft high

chains

over deposit. In S pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground. mkd. ¼ S., on west face.
60.00 Bottom of descent. in pass: bears N. 35° W.
begin gentle ascent along SW slope.
80.00 Deposit a charred stake 12 ins in the ground for the cor of secs 2. 3. 10. & 11. dig pits 18 x 18 x 12 ins in each sec 4 ft dist and raise a mound of earth 4 ft base 2 ft high over deposit. In SE pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd. T 21 N S 2. on NE
R 39 W S 11. on SE.
S 10. on SW. and
S 3. on NW faces. with 2 notches on E & 5 on S edges.
Soil. sandy: 3rd rate.
Vegetation: bunch grass.

N. 89° 36' E. on a random line betn secs 2 & 11.
40.00 Set temp ¼ sec cor.
80.04 Intersect N & S line 6 lks S. of the cor of secs 1. 2. 11. & 12.
Thence I run
S. 89° 33' W. on true line betn secs 2 & 11.
over level ground.
23.00 To foot of range: bears N & S. ascend along E slope.
40.02 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18 x 18 x 12 ins E & W of cor 4 ft dist raise a mound of earth 3½ ft base 1½ ft high over deposit. In E pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground. mkd. ¼ S. on N. face.
51.00 Top of ascent. 75 ft. high: descend along W. slope over rolling ground.
80.04 The cor of secs 2. 3. 10. & 11.
Soil. sandy: 1st & 3rd rates.
Vegetation: sand & prairie grass.
July 2 1895.

Chains

N. 0°02' W. on a random line betn secs 2 & 3.

40.00 Set temp ¼ sec cor.

79.57 Intersect N bdy of Twp. 18 lks E. of the cor of secs 2. 3. 34. & 35.

Thence I run

S. 0°10' E. on true line betn secs 2 & 3.

ascend.

2.20 Top of ascent. descend gently along SW. slope.

26.50 Bottom of descent in ravine: bears N. 20° E.

ascend over low sand bluffs.

34.50 Top of sand bluff: descend.

39.00 Bottom of descent: ascend.

39.57 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18x18x12 ins. N & S of cor 4 ft dist & raise a mound of earth 3½ ft base 1½ ft high over deposit. In S pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground. mkd ¼ S, on west face.

ascend slightly.

43.00 Top of ascent 10 ft above cor. Thence along W. slope of range. over rolling ground.

79.57 The cor of secs 2. 3. 10. & 11.

Soil. sandy: 3rd rate.

Vegetation; on bluffs, bunch grass: on low lands thin prairie grass.

N. 0°03' W. betn secs 33 & 34.

ascend along SW face of ridge.

29.00 Top of ascent. descend gradually. N slope

40.00 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18x18x12 ins. N & S of cor 4 ft dist & raise a mound of earth 3½ ft base 1½ ft high over deposit. In S pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground. mkd ¼ S, on west face.

49.00 Bottom of descent, ascend gradually along SE slope.

54.00 Top of slight ridge: bears E & W. descend along NE slope.

64.50 Bottom of descent and foot of bluff: bears N. 70° E & S 80° W.

Chains

64.50 Ascend abruptly along SE slope.

78.00 Top of ascent. 100 ft. above valley: descend gently along E slope.

80.00 Set an oak post 3 ft long 4 ins square with a charred stake 24 ins in the ground for cor of secs 27. 28. 33. & 34. marked

T 21 N S 27. on NE.

R 39 W S 34. on SE.

S 33. on SW. and

S 28. on NW faces with 3 notches on E & 1 on S edges. dig pits 18x18x12 ins in each sec 5½ ft dist & raise a mound of earth 4 ft base 2 ft high west of corner.

Soil. sandy: 3rd rate.

Vegetation. bunch grass. except in bottoms. where is thin prairie grass.

N. 89° 34' E. on a random line betn secs 27 & 34

40.00 Set temp ¼ sec cor.

79.80 Intersect N & S line at the cor of secs 26. 27. 34 & 35.

Thence I run

S. 89° 34' W. on true line betn secs 27 & 34.

descend gently over rolling bottom land.

39.90 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18x18x12 ins. E & W. of cor. 4 ft dist. & raise a mound of earth 3½ ft base 1½ ft high over deposit. In E pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground. mkd. ¼ S., on north face.

63.00 To foot of bluffs: bear N. 60° E. & S 70° W: ascend abruptly along SE face of bluff.

79.80 The cor of secs 27. 28. 33. & 34.

Soil. sandy: 3rd rate.

Vegetation; thin prairie grass.

N. 0°03' W. betn secs 27 & 28.

ascend gradually along E slope of bluff. over broken ground.

6.00 Top of range: 100 ft.: descend over broken ground.

40.00 Deposit a charred stake 12 ins in the ground for.

chains

¼ sec cor. dig pits 18x18x12 ins N & S of cor 4 ft dist raise a mound of earth 3½ ft base 1½ ft high over deposit. In S pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd ¼ S., on west face.

descend gradually, along N. slope;

65.00 Bottom of descent in ravine: E & W.

70.00 Ascend over low rolling foot hills.

80.00 Deposit a charred stake 12 ins in the ground for cor of secs 21. 22. 27. & 28. dig pits 18x18x12 ins in each sec 4 ft dist raise a mound of earth 4 ft base 2 ft high over deposit. In SE pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd.

T 21 N S 22. on NE.
R 39 W S 27. on SE.
S 28. on SW. and
S 21. on NW faces. with 3 notches on E. & 2 on S edges.

Soil. sandy; 3rd rate.
Vegetation: bunch grass.

N. 89° 34' E. on a random line betn secs 22 & 27.

40.00 Set temp ¼ sec cor.

79.90 Intersect N & S line 24 lks S of the cor of secs 22. 23. 26. & 27.

Thence I run
S. 89° 24' W. on true line betn secs 22 & 27.
ascend along E slope of bluff.

11.00 Summit: descend over low bluffs & ravines.

39.95 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18x18x12 ins. E & W of cor 4 ft dist & raise a mound of earth 3½ ft base 1½ ft high over deposit. In E pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd ¼ S., on north face.

This corner is on S. face of a knob.
descend gradually.

46.00 Ravine: bears N. 40° W.: ascend over low foot-hills.

79.90 The cor of secs 21. 22. 27 & 28.

Soil. sandy: 3rd rate Bunch grass.

chains

N. 0° 03' W. betn secs 21 & 22.
ascend over low foot hills.

11.00 Begin descent.

22.00 Enter valley: bears E & W.

35.00 Ascend gradually, along SW. slope.

40.00 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18x18x12 ins N & S of cor 4 ft dist raise a mound of earth 3½ ft base 1½ ft high over deposit. In S pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd. ¼ S., on west face.

61.00 Top of ascent. Thence along W. face over broken ground

79.00 Descend into head of ravine: extends west.

80.00 Set an oak post 3 ft long 4 ins square with a charred stake 24 ins in the ground for cor of secs 15. 16. 21. & 22. marked.

T 21 N S 15. on NE.
R 39 W S 22, on SE.
S 21. on SW. and
S 16. on NW faces. with 3 notches on E. & S. edges. dig pits 18x18x12 ins in each sec 5½ ft dist raise a mound of earth 4 ft base 2 ft high west of corner.

Soil. sandy: 2nd & 3rd rates.
Vegetation. Bunch grass.

N. 89° 24' E. on a random line betn secs 15 & 22.

40.00 Set temp ¼ sec cor.

79.92 Intersect N & S line 12 lks N of the cor of secs 14. 15. 22. & 23.

Thence I run
S. 89° 29' W. on true line betn secs 15 & 22.
over broken ground along top of range.

10.00 Begin descent along west face, over ridges & bluffs.

39.96 Deposit a charred stake 12 ins in the ground for ¼ sec cor: dig pits 18x18x12 ins. E & W of cor 4 ft dist raise a mound of earth 3½ ft base 1½ ft high over deposit. In E pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd. ¼ S. on N. face.

chains

This cor is on north face of ridge.
ascend over ridges.
66.00 Begin gradual descent along N. slope.
79.92 The cor of secs 15. 16. 21. & 22.
Soil. sandy: 3rd rate.
Bunch grass.

N. 0°03' W. betn secs 15 & 16.
Ascend along SW. slope of range.
3.00 Top of ascent. descend gradually along NW slope over broken foot hills.
20.00 Bottom of descent: Enter low foot hills.
40.00 Deposit a chanel stake 12 ins in the ground for ¼ sec cor. dig pits 18x18x12 ins N & S of cor 4 ft dist & raise a mound of earth 3½ ft base 1½ ft high over deposit. In S pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd ¼ S., on N. face.
67.00 Enter valley.
76.00 Ascend gradually.
80.00 Deposit a chanel stake 12 ins in the ground for cor of secs 9. 10. 15. & 16. dig pits 18x18x12 ins in each sec 4 ft dist raise a mound of earth 4 ft base 2 ft high over deposit. In SE pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd
T21NS10. on NE.
R39WS15. on SE.
S16. on SW. and
S9. on NW faces with 3 notches on E & 4 on S edges.
Soil. sandy: 3rd rate.
Bunch, and poor prairie grass.

N. 89°29' E. on a random line betn secs 10 & 15
40.00 Set temp ¼ sec cor.
79.84 Intersect N. & S line 20 lks N. of the cor of secs 10. 11. 14. & 15.
Thence S on

Chains

S. 89°38' W. on true line betn secs 10 & 15.
over dry level bottom: descend slightly.
39.92 Deposit a chanel stake 12 ins in the ground for ¼ sec cor. dig pits 18x18x12 ins. E & W of cor 4 ft dist & raise a mound of earth 3½ ft base 1½ ft high over deposit. In E pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd ¼ S., on N. face.
This cor is in S. side of slight depression.
ascend gradually along NE slope.
79.84 The cor of secs 9. 10. 15. & 16.
Soil. sandy loam: 3rd rate.
Thin prairie grass.
June 28, 1895.

N. 0°03' W. betn secs 9 & 10.
Ascend abruptly along S slope of bluffs, which extend E. & S. 70° W.
27.00 Top of ridge: extends E & W. 200 ft above cor.
descend gradually along N. side of range.
40.00 Deposit a chanel stake 12 ins in the ground for ¼ sec cor. dig pits 18x18x12 ins. N & S of cor 4 ft dist raise a mound of earth 3½ ft base 1½ ft high over deposit. In S pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd ¼ S., on west face
67.00 Enter rolling bottom land: E & W.
80.00 Set an oak post 3 ft long 4 ins square with a chanel stake 24 ins in the ground for the cor of secs 3. 4. 9. & 10. marked.
T21NS3. on NE.
R39WS10. on SE.
S9. on SW. and
S4. on NW faces with 3 notches on E & 5 on S edges. dig pits 18x18x12 ins in each sec 5½ ft dist raise a mound of earth 4 ft base 2 ft high west of corner.
Soil. sandy: 3rd rate.
Bunch grass.

chains

N.89°38' E. on a random line betw secs 3 & 10.

40.00 Set temp ¼ sec cor.

79.88 Intersect N & S line 22 lks S of the cor of secs 2. 3. 10. & 11.

Thence I run

S.89°29' W. on true line betw secs 3 & 10.

over rolling foot hills.

7.00 Ravine: NW & S.; ascend slightly.

36.50 Top of ascent on ridge: extends S., descend to cor 20 ft. below.

39.94 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18x18x12 ins E & W of cor 4 ft dist & raise a mound of earth 3½ ft base 1½ ft high over deposit. In E pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd ¼ S., on north face.

Ascend gently over dry rolling bottom land.

64.00 Top of low ridge: Thence over rolling foot hills.

79.88 The cor of secs 3. 4. 9. & 10.

Soil, sandy: 3rd rate.

Thin prairie grass.

N.0°03' W. on a random line betw secs 3 & 4.

40.00 Set temp ¼ sec cor.

80.10 Intersect N bdy of Twp 28 lks E of the cor of secs 3. 4. 33. & 34.

Thence I run

S.0°15' E. on true line betw secs 3 & 4.

ascend gradually along NW slope of range.

40.10 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18x18x12 ins. N & S of cor 4 ft dist & raise a mound of earth 3½ ft base 1½ ft high over deposit. In S pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd

¼ S., on west face.

47.00 Top of ascent: Thence over broken ground.

57.00 Begin descent along S slope.

70.00 Enter level land.

80.10 The cor of secs 3. 4. 9. & 10.

Soil, sandy; 2nd & 3rd rates. Bunch and sand grass.

Chains

N.0°04' W. betw secs 32 & 33.

Ascend.

6.00 Top of ascent: descend along NW slope.

30.00 Enter level bottom: bears E & W.

40.00 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18x18x12 ins N & S of cor 4 ft dist & raise a mound of earth 3½ ft base 1½ ft high over deposit. In S pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd ¼ S. on west face.

Ascend slightly

44.00 Foot of bluff: bears E & W. ascend abruptly.

50.00 Top of abrupt ascent.

62.00 Sand peak 125 feet above valley.

Thence over broken ground.

78.00 S. edge of circular depression: descend into bottom.

80.00 Deposit a charred stake 12 ins in the ground for cor of secs 28. 29. 32. & 33. dig pits 18x18x12 ins in each sec 4 ft dist & raise a mound of earth 4 ft base 2 ft high over deposit. In SE. pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd

T21N S28. on NE.

R39W S33, on SE.

S32. on SW. and

S29. on NW faces. with 4 notches on E & 4 on S edges.

Soil, sandy; 3rd rate.

Bunch grass on bluffs; thin prairie grass on bottom land.

N.89°34' E. on a random line betw secs 28 & 33.

40.00 Set temp ¼ sec cor.

80.02 Intersect N & S line 10 lks N of the cor of secs 27. 28. 33. & 34.

Thence I run

S.89°38' W. on true line betw secs 28 & 33.

Ascend.

5.00 Descend gradually along W. face of range.

Chains

29.00 Bottom of descent, in pass - N & S, : ascend along E slope over ridges.

40.01 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18 x 18 x 12 ins E & W of cor 4 ft dist raise a mound of earth 3½ ft base 1½ ft high over deposit. In E pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd ¼ S., on N. face.

This cor is in a depression on E face of hills.

Ascend along NE face.

50.00 Top of ascent: 100 feet.

Thence over very broken ground.

55.50 Begin descent along N. slope.

80.02 The cor of secs 28. 29. 32. & 33.

Soil, sandy: 3rd rate.

Bunch and sand grass.

N. 0° 04' W. betn secs 28 & 29.

ascend out of depression.

13.00 Top of ascent: descend along NW slope of range.

40.00 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18 x 18 x 12 ins N & S of cor 4 ft dist raise a mound of earth 3½ ft base 1½ ft high over deposit. In S pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd ¼ S., on west face.

Enter dry bottom land.

51.00 Foot of bluffs: bear N. 80° E & W.: ascend abruptly along SE. face.

60.00 Top of sand bluff. 100 ft.: Thence over rough broken bluffs.

68.00 Begin descent along N slope.

80.00 Deposit a charred stake 12 ins in the ground for cor of secs 20. 21. 28. & 29. dig pits 18 x 18 x 12 ins in each sec 4 ft dist raise a mound of earth 4 ft base 2 ft high over deposit.

In SE pit drive an oak stake 2 ft long 2 ins square. 12 ins in the ground mkd

T 21 N S 21. on NW.

R 39 W S 28. on SE.

Chains.

S 29. on SW. and

S 20. on NW faces. with 4 notches on E & 2 on S edges.

Soil, sandy: 3rd rate.

Bunch grass.

N. 89° 38' E. on a random line betn secs 21 & 28.

40.00 Set temp ¼ sec cor.

79.88 Intersect N & S line 37 lks S of the cor of secs 21. 22. 27. & 28.

Thence I run

S. 89° 22' W. on true line betn secs 21 & 28.

Descend over rolling chopphills.

35.00 Bottom of descent: ascend along E. slope.

39.94 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18 x 18 x 12 ins E & W of cor 4 ft dist raise a mound of earth 3½ ft base 1½ ft high over deposit. In E pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd ¼ S, on N. face.

44.00 Top of ascent: descend along NW slope, over ridges.

70.00 Bottom of depression: ascend E slope.

79.88 The cor of secs 20. 21. 28. & 29.

Soil, sandy: 3rd rate

N. 0° 04' W. betn secs 20 & 21.

Descend along NE slope of range.

17.00 Enter valley: NE & SW.

40.00 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18 x 18 x 12 ins N & S of cor 4 ft dist raise a mound of earth 3½ ft base 1½ ft high over deposit. In S pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd ¼ S, on west face.

63.00 To foot of range: bears E & W. ascend abruptly.

68.00 Top of ascent 150 ft high. Thence along E face

75.00 SE point of high ridge: descend along NE slope.

80.00 Deposit a charred stake 12 ins in the ground for cor of secs 16. 17. 20. & 21, dig pits 18 x 18 x

Chains

12 ins in each sec 4 ft dist raise a mound of earth 4 ft base 2 ft high over deposit. In SE pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd.
T21NS16. on NE.
R39WS21. on SE.
S20. on SW. and
S17. on NW faces, with 4 notches on E & 3 on S edges.
Soil. sandy: 3rd rate.
Bunch grass.

N. 89°22' E. on a random line betn secs 16 & 21
40.00 Set temp ¼ sec cor.
79.98 Intersect MTS line 4 lks N of the cor of secs 15. 16. 21. & 22.
Thence I run
S. 89°24' W. on true line betn secs 16 & 21.
descend over rolling ground.
10.00 Bottom of descent in ravine: bears NTS.
ascend slightly over rolling ground.
28.00 Top of low ridge: descend.
39.99 Deposit a channel stake 12 ins in the ground for ¼ sec cor. dig pits 18x18x12 ins. E & W of cor 4 ft dist raise a mound of earth 3½ ft base 1½ ft high over deposit. In E pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd ¼ S., on north face.
Descend gradually along SW. slope.
51.00 Bottom of descent in ravine: bears NTS. ascend along E slope over broken ground.
76.00 Top of ascent, 100 ft. thence over rolling ground.
79.98 The cor of secs 16. 17. 20. & 21.
Soil. sandy: 3rd rate.
Bunch grass.

N. 0°04' W betn secs 16 & 17.
descend gradually along N. slope of range.
40.00 Deposit a channel stake 12 ins in the ground for ¼ sec cor. dig pits 18x18x12 ins NTS of

Chains

cor 4 ft dist and raise a mound of earth 3½ ft base 1½ ft high over deposit. In S pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd ¼ S., on N. face.
This cor is in level bottom, at N. foot of range.
Thence over level land. extending E & W.
40.30 Trail: bears E & W.
44.00 Foot of sand ridge: E & W. ascend abruptly.
52.00 Top of abrupt ascent. on E edge of sand bluff.
Thence along top of range, over broken ground.
80.00 Deposit a channel stake 12 ins in the ground for cor of secs 8. 9. 16. & 17. dig pits 18x18x12 ins in each sec 4 ft dist raise a mound of earth 4 ft base 2 ft high over deposit. In SE pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground marked
T21NS9. on NE.
R39WS16. on SE.
S17. on SW. and
S8. on NW faces. with 4 notches on E & S edges.
Soil. sandy: 3rd rate.
Bunch grass on bluffs: thin prairie grass on bottom.

N. 89°24' E. on a random line betn secs 9 & 16.
40.00 Set temp ¼ sec cor.
79.94 Intersect MTS line 8 lks S of the cor of secs 9. 10. 15. & 16.
Thence I run
S. 89°21' W. on true line betn secs 9 & 16.
Ascend along SE slope of range.
39.97 Deposit a channel stake 12 ins in the ground for ¼ sec cor. dig pits 18x18x12 ins E & W of cor 4 ft dist raise a mound of earth 3½ ft base 1½ ft high over deposit. In E pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd
¼ S., on north face.
68.00 Top of ascent: descend gradually along NW slope.
79.94 The cor of secs 8. 9. 16. & 17.
Soil. sandy: 3rd rate.
Bunch grass. June 29, 1895.

chains

N. 0° 04' W. betw secs 8 & 9.
Ascend along W. edge of depression.
2.50 Top of ascent: descend gradually along NW. slope.
30.00 Enter rolling bottom land: NE & SW.
40.00 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18x18x12 ins. N & S of cor 4 ft dist raise a mound of earth 3½ ft base 1½ ft high over deposit. In S pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd. ¼ S., on W. face.
80.00 Deposit a charred stake 12 ins in the ground for cor of secs 4. 5. 8. & 9. dig pits 18x18x12 ins in each sec 4 ft dist raise a mound of earth 4 ft base 2 ft high over deposit. In SE pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd

T 21 N S 4. on NE.
R 39 W S 9. on SE.
S 8. on SW. and
S 5. on NW faces with 4 notches on E & 5 on S edges.

Soil. sandy: 2nd rate.
Bunch grass.

The cor of secs 3. 4. 9. & 10. being visible
I run for said cor
N 89° 31' E. on a random line betw secs 4 & 9.
40.00 Set temp ¼ sec cor.
79.84 Intersect N & S line at the cor of secs 3. 4. 9. & 10.
Thence I run
S. 89° 31' W. on true line betw secs 4 & 9.
descend slightly along N. slope of range.
39.92 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18x18x12 ins. E & W of cor 4 ft dist raise a mound of earth 3½ ft base 1½ ft high over deposit. In E pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd
¼ S., on N face

chains
76.00 Ascend gradually along SE. slope.
79.84 The cor of secs 4. 5. 8. & 9.
Soil. sandy loam: 2nd rate.
Thin prairie grass.

N. 0° 04' W. on a random line betw secs 4 & 5.
40.00 Set temp ¼ sec cor.
80.75 Intersect N bdy of Twp. 16 lks E of the cor of secs 4. 5. 32. & 33.
Thence I run
S. 0° 11' E. on true line betw secs 4 & 5.
over foot hills.
12.00 Begin gradual ascent along N slope.
37.00 Top of ascent.
40.75 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18x18x12 ins. N & S of cor 4 ft dist raise a mound of earth 3½ ft base 1½ ft high over deposit. In S pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground. mkd
¼ S., on W. face.
48.00 Begin descent along SE. face.
76.00 Bottom of descent. enter rolling bottom.
80.75 The cor of secs 4. 5. 8. & 9.
Soil. sandy: 3rd rate.
Sandy and bunch grass.

N. 0° 05' W. betw secs 31 & 32.
ascend gently.
9.00 Top of ascent; thence over rolling land.
40.00 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18x18x12 ins N & S of cor 4 ft dist raise a mound of earth 3½ ft base 1½ ft high over deposit. In S pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd ¼ S., on west face.
41.00 Bottom of ravine: bears N 70° W. & S 70° E: ascend along W. face of range over broken foot hills.
66.80 Top of ascent: descend gradually along NW slope.

chains.

78.50 Descend into ravine: bears E & W.

80.00 Deposit a charred stake 12 ins in the ground for cor of secs 29. 30. 31. & 32. dig pits 18 x 18 x 12 ins in each sec 4 ft dist raise a mound of earth 4 ft base 2 ft high over deposit. In SE pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd

T 21 N S 29. on NE.
R 39 W S 32. on SE.
S 31. on SW. and
S 30. on NW faces. with 5 notches on E & 1 on S edges.

Soil. sandy: 3rd rate.
Bunch grass.

N. 89° 59' E on a random line betn secs 29 & 32.

40.00 Set temp ¼ sec cor.

80.02 Intersect N & S line 11 lks N of the cor of secs 28. 29. 32. & 33.

Thence I run
N. 89° 56' W. on true line betn secs 29 & 32.
Ascend.

2.00 Top of ascent. Thence descend along NW slope over ridges.

40.01 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18 x 18 x 12 ins E & W of cor 4 ft dist raise a mound of earth 3½ ft base 1½ ft high over deposit. In E pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd

¼ S., on N face.

55.00 Bottom of descent. ascend gradually along N. E. slope of range.

80.02 The cor of secs 29. 30. 31. & 32.

Soil. sandy: 3rd rate.
Thin prairie grass.

S. 89° 40' W. on a random line betn secs 30 & 31.

40.00 Set temp ¼ sec cor.

83.14 Intersect range line 24 lks S. of the cor of

chains.

secs 25. 30. 31. & 36. heretofore described.

Thence I run
N. 89° 50' E. on true line betn secs 30 & 31.
descend along SE slope.

4.00 Bottom of descent: thence ascend over rolling foot hills along SW slope.

15.00 Top of bluff: 40 ft.; descend over foot hills.

34.00 Bottom of descent. in pass: bears N & S.

Thence over rolling ground.

43.14 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18 x 18 x 12 ins E & W of cor. 4 ft dist raise a mound of earth 3½ ft base 1½ ft high over deposit. In E pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd

¼ S., on north face.

83.14 The cor of secs 29. 30. 31. & 32.

Soil. sandy: 3rd rate.
Bunch grass.

N. 0° 05' W. betn secs 29 & 30.
ascend gradually.

16.50 Sand ridge. 60 ft above cor: descend.

22.00 Bottom of descent: thence along low rolling foot hills.

40.00 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18 x 18 x 12 ins N & S of cor 4 ft dist raise a mound of earth 3½ ft base 1½ ft high over deposit. In S pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd

¼ S., on W. face.

54.00 Bottom of descent. Thence over level dry bottom.

63.00 To foot of bluff: bears N 80° E reverse. ascend gradually along SE face.

80.00 Deposit a charred stake 12 ins in the ground for cor of secs 19. 20. 29. & 30. dig pits 18 x 18 x 12 ins in each sec 4 ft dist raise a mound of earth 4 ft base 2 ft high over deposit. In SE pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground. mkd

Chains

T21NS 20. on NE.
R39WS 29. on SE.
S30. on SW. and
S19. on NW faces. with 5 notches on E & 2 on S edges.
Soil, sandy: 3rd rate.
Bunch grass.

S.89°56' E. on a random line betn secs 20 & 29.
40.00 Set temp ¼ sec cor.
80.00 Intersect NTS line 20 lks N of the cor of secs 20. 21. 28. & 29.
Thence I run
N.89°47' W. on true line betn secs 20 & 29.
along N face of range, over ridges & ravines.
37.00 Descend moderately.
40.00 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18x18x12 ins. E&W of cor. 4 ft dist raise a mound of earth 3½ ft base 1½ ft high over deposit. In E pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd
¼ S., on N face.
60.00 Bottom of descent: in valley: bears NE.: ascend.
80.00 The cor of secs 19. 20. 29. & 30.
Soil, sandy: 3rd rate.
Sand, and bunch grass.

S.89°50' W. on a random line betn secs 19 & 30.
40.00 Set temp ¼ sec cor.
82.96 Intersect range line 13 lks S of the cor of secs 19. 24. 25. & 30.
Thence I run
N.89°55' E. on true line betn secs 19 & 30.
over dry level bottom.
30.00 Begin ascent along NW slope.
42.96 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18x18x12 ins S&W of cor 4 ft dist raise a mound of earth 3½ ft base 1½ ft high over deposit. In E pit drive

Chains

an oak stake 2 ft long 2 ins square 12 ins in the ground mkd
¼ S., on north face.
75.00 Top of ascent: descend.
82.96 The cor of secs 19. 20. 29. & 30.
Soil, sandy: 3rd rate.
Bunch grass, on hills.
Thin prairie grass on bottoms.

N.0°05' W. betn secs 19 & 20.
descend along NE slope.
11.00 Bottom of descent, in pass: bears N40°W.
ascend along SW slope of range.
40.00 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18x18x12 ins. NTS of cor 4 ft dist raise a mound of earth 3½ ft base 1½ ft high over deposit. In S pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd
¼ S., on west face.
67.00 Descend along NW slope.
80.00 Set an oak post 3 ft long 4 ins square with a charred stake 24 ins in the ground for cor of secs 17. 18. 19. & 20. mkd
T21NS17. on NE.
R39WS20. on SE.
S19. on SW. and
S18. on NW faces. with 5 notches on E & 3 on S edges. dig pits 18x18x12 ins in each sec 5½ ft dist & raise a mound of earth 4 ft base 2 ft high W of cor.
Soil, sandy: 3rd rate.
Vegetation, Bunch grass and scattering prairie grass.

S.89°47' E. on a random line betn secs 17 & 20.
40.00 Set temp ¼ sec cor
80.16 Intersect NTS line 6 lks N of the cor of secs 16. 17. 20. & 21.
Thence I run
N.89°44' W. on true line betn secs 17 & 20

chains

Gradually ascend E slope of bluff.

7.00 Foot of ridge: bears N 30° W. & S 30° E: ascend abruptly.

9.30 Top of ridge 100 ft above cor: descend abruptly.

14.00 Bottom of blowout 75 ft deep: ascend abruptly.

20.30 Top of ascent: descend along NW slope, over ridges and ravines

40.08 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18x18x12 ins E & W of cor 4 ft dist raise a mound of earth 3½ ft base 1½ ft high over deposit. In E pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd.

¼ S., on north face.

47.50 Begin gradual descent along NW slope, over low ridges.

80.16 The cor of secs 17, 18, 19, & 20.

Soil sandy: 3rd rate.

Bunch grass on bluffs: scattering prairie grass on bottom.

S. 89° 55' W. on a random line betn secs 18 & 19.

40.00 Set temp ¼ sec cor.

82.90 Intersect range line 2 lks S of the cor of secs 13, 18, 19, & 24.

Thence I run

N. 89° 56' E on true line betn secs 18 & 19.

descend slightly over low rolling chop hills.

11.00 Bottom of descent, in neck of valley: ascend gradually along W. slope.

42.90 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18x18x12 ins E & W of cor 4 ft dist raise a mound of earth 3½ ft base 1½ ft high over deposit. In E pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd. ¼ S. on N face.

ascend gradually, along SW slope of range.

50.00 Top of ascent: 100 feet.

57.00 Begin abrupt descent.

63.00 Bottom of descent, enter valley: bears NE & SW.

chains

82.90 The cor of secs 17, 18, 19, & 20.

Soil, sandy: 3rd rate.

Bunch grass.

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N. 0° 05' W. betn secs 17 & 18.

Descend gradually.

16.00 Foot of ridge: bears E & W. ascend gradually.

33.50 Top of ascent over table land; descend slightly.

40.00 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18x18x12 ins. N & S of cor 4 ft dist raise a mound of earth 3½ ft base 1½ ft high over deposit. In S pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground, mkd.

¼ S, on west face.

This cor is in an oblong depression.

Ascend gradually.

55.80 Descend along NW slope of range over very broken land.

80.00 Deposit a charred stake 12 ins in the ground for cor of secs 7, 8, 17, & 18. dig pits 18x18x12 ins in each sec 4 ft dist raise a mound of earth 4 ft base 2 ft high over deposit. In SE pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd

T 21 N S 8. on NE.

R 39 W S 17. on SE.

S 18. on SW. and

S 7. on NW faces. with 5 notches on E & 4 on S edges.

Soil. sandy: 3rd rate.

Bunch grass & scattering prairie grass.

S. 89° 44' E on a random line betn secs 8 & 17.

40.00 Set temp ¼ sec cor.

80.04 Intersect N & S line at the cor of secs 8, 9, 16, & 17

Thence I run

N. 89° 44' W. on true line betn secs 8 & 17.

along top of range, over broken ground

11.00 Descend abruptly along NW face.

Chains

21.00 Bottom of descent in pass: bears N & S.
ascend gradually along NE slope.

40.02 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18 x 18 x 12 ins E & W of cor 4 ft dist raise a mound of earth 3½ ft base 1½ ft high over deposit. In E pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd. ¼ S, on N face.

48.00 Top of ascent. Thence along N slope of range

72.00 Begin descent along west slope.

80.04 The cor of secs 7. 8. 17. & 18.
Soil. sandy: 3rd rate.
Bunch grass.

S. 89° 56' W. on a random line betn secs 7 & 18.

40.00 Set temp ¼ sec cor.

82.76 Intersect range line 1 lk S of the cor of secs 7. 12. 13. & 18.
Thence I run
N. 89° 56' E. on true line betn secs 7 & 18.
ascend slightly.

7.80 Top of ascent. on low ridge: descend.

22.00 Bottom of descent. in pass: bears NE & SW.
ascend over broken foot hills.

42.76 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18 x 18 x 12 ins. E & W of cor 4 ft dist raise a mound of earth 3½ ft base 1½ ft high over deposit. In E pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd
¼ S, on north face.
Ascend gradually along SW slope of small ridge

61.00 Top of ascent on range.

71.00 Descend along NE slope, over low ridges.

82.76 The cor of secs 7. 8. 17. & 18.
Soil. sandy: 3rd rate.
Sand grass.

Chains.

N. 0° 05' W. betn secs 7 & 8.
Descend slightly along N slope of ridge.

6.20 Bottom of descent: ascend abruptly.

8.10 West point of ridge: extends East.

10.00 Descend N.E. slope.

14.00 Ascend along N. edge of ridge.

21.90 Top of ascent: begin gradual descent along N. slope.

37.00 Enter rolling land: E. neck of valley.

40.00 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18 x 18 x 12 ins N & S of cor. 4 ft dist raise a mound of earth 3½ ft base 1½ ft high over deposit. In S pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground. mkd. ¼ S, on N. face.
Descend slightly over neck of basin, extending from NW.

44.00 Ascend slightly over rolling ground.

80.00 Deposit a charred stake 12 ins in the ground for cor of secs 5. 6. 7. & 8. dig pits 18 x 18 x 12 ins in each sec 4 ft dist & raise a mound of earth 4 ft base 2 ft high over deposit. In SE pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd
T21N S5. on NE.
R39W S8. on SE.
S7. on SW. and
S6. on NW faces. with 5 notches on E & S edges.
This cor is on SW. slope of range.
Soil sandy: 3rd rate.
Bunch grass, except on bottom land where a thin prairie grass grows.

S. 89° 44' E. on a random line betn secs 5 & 8.

40.00 Set temp ¼ sec cor.

80.24 Intersect N & S line 8 lks S of the cor of secs 4. 5. 8. & 9.
Thence I run
N. 89° 47' W. on true line betn secs 5 & 8.

Chains.

Ascend along SE. slope.

34.00 Top of range. 150 feet. Thence along summit, over broken ground.

40.12 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18x18x12 ins E&W of cor 4 ft dist raise a mound of earth 3½ ft base 1½ ft high over deposit. In E pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd

¼ S, on north face.

48.00 Begin descent along N. face.

80.24 The cor of secs 5. 6. 7. & 8.

Soil, sandy: 3rd rate.

Sand, and bunch grass.

S. 89°56' W. on a random line betn secs 6 & 7.

40.00 Set temp ¼ sec cor.

82.70 Intersect range line 16 lks S of the cor of secs 1. 6. 7. & 12.

Thence I run

S. 89°57' E. on true line betn secs 6 & 7.

Ascend along N. slope.

20.00 Top of ascent. Thence along S face of range.

33.00 Begin descent along SE slope.

39.00 Bottom of descent: enter valley: bears NE & SW.

42.70 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18x18x12 ins E&W of cor 4 ft dist raise a mound of earth 3½ ft base 1½ ft high over deposit. In E pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd

¼ S, on north face.

62.00 Begin ascent along N. slope of range.

82.70 The cor of secs 5. 6. 7. & 8.

Soil, sandy: 3rd rate.

Sand, and bunch grass.

Chains

N. 0°05' W. on a random line betn secs 5 & 6.

40.00 Set temp ¼ sec cor.

80.38 Intersect N bdy of Twp 36 lks E of the cor of secs 5. 6. 31. & 32.

Thence I run

S. 0°20' E. on true line betn secs 5 & 6.

along top of range, over very broken ground.

17.00 Begin abrupt descent along SW face of range.

24.00 Enter valley: bears N 70° E.

30.00 Begin ascent along NW slope.

40.38 Deposit a charred stake 12 ins in the ground for ¼ sec cor. dig pits 18x18x12 ins N & S of cor 4 ft dist raise a mound of earth 3½ ft base 1½ ft high over deposit. In S pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground marked

¼ S, on west face

This cor is at top of ascent.

Thence along N face of range, over ridges.

72.70 Begin descent along SW slope

80.38 The cor of secs 5. 6. 7. & 8.

Soil, sandy: 3rd rate.

Sand and bunch grass.

July 6 1895.

General Description

The land in this Tp. is all broken, consisting of high ranges of sand hills, through the Tp. from E. to W. The valleys are narrow, being the ending and commencing of a range of hills. No water in the Tp. but water can be obtained by digging from 20 to 30 ft. in the valleys.

The soil is very sandy, and unfit for cultivation. The vegetation consists of a thin sand grass in valleys, and a bunch grass on hills. No timber of any description in Tp.

Willard H. Alt

U. S. ~~Deputy~~ Surveyor.

July 6. 1895.

chains	
	(No. 37.)
	— T.C. claim of James Williams. —
	The SW. cor of this claim, which is a cedar stake, without marks, driven in a flat mound bears from the cor of secs 1.2.11.12. S. 36°22' W. 19.44 chs. dist; Lat 15.65, Dep. 11.53 chains.
	Thence I run
	North, along W. bdy of claim.
	descend slightly over rolling land.
1.50	Enter level bottom land.
23.00	Begin slight ascent along SE slope.
40.00	Deposit a charred stake 12 ins in the ground for NW cor of claim. dig pits 18x18x12 ins C.&S. of cor 4 ft dist raise a mound of earth 3½ ft base 1½ ft high over deposit. In E pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd
	JW. on SE face.
	Thence I run
	East. on N bdy of claim.
	descend slightly.
3.90	The NW cor of abandoned plowed field.
	about 4 rds wide & 80 rds E&W: bears S. 80° E.
	Thence over rolling bottom land.
27.00	Leave bottom. ascend slightly along SW slope.
39.00	Slight ridge: bears N 20° W. & S 20° E.: descend.
40.00	Deposit a charred stake 12 ins in the ground for NE cor of claim. dig pits 18x18x12 ins S&W of cor 4 ft dist & raise a mound of earth 3½ ft base 1½ ft high over deposit. In S pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd
	J W., on SW face.
	Thence I run
	South, on E bdy of claim.
	ascend slightly.
2.00	Top of ascent: descend slightly along SW slope.
21.00	Enter bottom.
40.00	Deposit a charred stake 12 ins in the ground

chains	
	for SE cor of claim. dig pits 18x18x12 ins 2 ft W of cor 4 ft dist raise a mound of earth 3½ ft base 1½ ft high over deposit. In N. pit drive an oak stake 2 ft long 2 ins square 12 ins in the ground mkd
	J. W., on NW. face
	Thence I run
	West, on S bdy.
32.00	Ascend slightly
40.00	The Beginning Cor.
	There is a temporary house near NW cor of this claim: also, a wind mill & tubular well.
	Soil sandy: 2nd rate.
	A good prairie grass grows on the bottom.
	July 7, 1895

List of Names.

A list of the names of the individuals employed by .....
....., U. S. Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the .....
.....
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.....
.....Meridian, in ....., showing the respective capacities in which they acted:
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Final Oath of Assistants:

We hereby certify that we assisted .....
....., U. S. Deputy Surveyor, in surveying all those parts or portions of the .....
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.....
.....
.....Meridian, ..., as are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the U. S. Surveyor General for .....
.....
.....
.....
.....
.....
.....

Subscribed and sworn to before me this .....
day of ....., 18 .....

SEAL

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Final Oath of U. S. Deputy Surveyor.

I, ..., U. S. Deputy Surveyor, do solemnly swear that, in pursuance of instructions received from ....., U. S. Surveyor General for ....., bearing date of the ..... day of ....., 18 ..., I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the U. S. Surveyor General for ....., the surveying manual, and the laws of the United States, surveyed all those parts or portions of .....

Meridian, in the ....., as are represented in the foregoing field notes as having been surveyed by me, and 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 surveying manual, printed instructions, the special written instructions of the U. S. Surveyor General for ..... and in the specific manner described in the field notes, and that the foregoing are the true field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

.....

U. S. Deputy Surveyor.

Subscribed and sworn to before me this ..... day of ....., 18 ..... }

SEAL

.....

.....

Approval.

Office of the ~~U. S. Surveyor General.~~ Commissioner of the General Land Office

Washington D.C. April 30, 1877.

The foregoing field notes of the survey of Subdivision and claim lines of Township No. 21 North Range No. 39 West of the 6th principal Meridian State of Nebraska

executed by [illegible] U. S. Surveyor

under [illegible] dated December 26, 1894, having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Binger Hermann

~~U. S. Surveyor General.~~

Commissioner and ex officio Surveyor General for Nebraska

I certify that the foregoing transcript of the field notes of the above-described surveys in T 21 N, R 39 W has been correctly copied from the original notes on file in this office.

Binger Hermann

~~U. S. Surveyor General.~~

Commissioner and ex officio Surveyor General for Nebraska

General Land Office • Original Field Notes

Book Number

779

W.W. Alt Subdivision of T 21 N - R 39 W

The images in this file are microfilm images of the notes of W.W. Alt resurveys of portions of the State of Nebraska on file in the Office of the Nebraska State Surveyor located in Lincoln, Nebraska.

The W.W. Alt resurveys began in the mid 1890's and were completed in the early 1900's.