General Land Office • Original Field Notes

Book Number

776

W.W. Alt Subdivision of T 21 N - R 31 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

Received with letter from W. W. Alt, U. S. Surveyor, dated February 1, 1897. 12664 1897

Received by letter "C" Feb 25th 1898.

4—679.

1. Val

RESURVEY OF SUBDIVISION and CLAIM LINES of T. 21 – 24 N. R. 31 – 32 W. – 1896 – and T. 30 N. R 32 W. – 1900 –

FIELD NOTES

OF THE SURVEY OF

Subdivision Lines of Township No. 21 N., R. 31 W.,

Of the 6th Principal Meridian,

State of Nebraska

AS SURVEYED BY

Willard W. Alt, United States ~~Deputy~~ Surveyor,

Under his Contract No. _____, dated January 26, 1895

Survey commenced August 7, 1896

Survey completed August 19, 1896

6—151

Preliminary Oaths of Assistants.

WE, ... and .....
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances 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

.....

....., *Chainman.*

....., *Chainman.*

Subscribed and sworn to before me this .....
day of ....., 189

SEAL

WE, ... and .....
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of .....

.....

....., *Moundman.*

....., *Moundman.*

Subscribed and sworn to before me this .....
day of ....., 189

SEAL

WE, ... and .....
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

.....

....., *Axman.*

....., *Axman.*

Subscribed and sworn to before me this .....
day of ....., 189

SEAL

I, ..., 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 .....

....., *Flagman.*

Subscribed and sworn to before me this .....
day of ....., 189

SEAL

6—151

Subdivision of T. 21 N., R. 31 W.

Chains:

The directions of all the meridional section lines of this Tp. are referred to the tangent which was ranged out during the re-survey of the 5th Standard Parallel, through this range.

N. 0°04' W. bet secs. 35 and 36.
Over rolling ground, along NW. slope; descend.
20.00 Bottom of descent, in neck of valley.
29.00 Foot of range, E. and W.; ascend over broken ground.
40.00 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.; dig pits 18x18x12 ins. N. and S. of 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. sq. 12 ins. in the ground, marked
¼ S, on W. face.
55.00 Top of ascent, 75 ft.; on range bearing S. & W. descend, over broken ground.
70.35 Trail; bears NW. and SE.; thence over rolling foot hills.
80.00 Deposit a charred stake 12 ins. in the ground for cor. of secs. 25, 26, 35, and 36; 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. sq. 12 ins. in the ground, marked
T 21 N S 25, on NE.
R 31 W S 36, on SE.
S 35, on SW. and
S 26, on NW. faces, with 1 notch on E. and S. edges.
Land; rolling.
Soil; sandy; 3rd rate.

East on a random line bet. secs. 25 & 36.
40.00 Set temp. ¼ sec. cor.

Chains.

79.96 Intersect E. bdy. of Tp. 20 lks. S. of the cor. of secs. 25. 30. 31. and 36.
Thence S. nearly
S. 89°51' W. on true line, bet. secs. 25 and 36.
Over rolling valley land.

39.98 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.; dig pits 18x18x12 ins. E. and 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. sq. 12 ins. in the ground. marked
¼ S, on N. face.

50.00 Begin ascent. along E. slope.

60.00 Top of ascent. 50 ft. - on ridge: thence descend along S. face of ridge.

79.96 The cor. of secs. 25. 26. 35. and 36.
Land: rolling.
Soil. sandy; 3rd rate.

N. 0°04' W. bet. secs. 25 and 26.
ascend along SW. slope.

10.00 Ridge, bearing NW. and SE.: ascend along SW. face. over ridges and ravines.

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 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. sq. 12 ins. in the ground. marked
¼ S, on W. face.

46.00 Top of ascent. 100 ft., on W. face of range. thence over broken ground.

63.00 Begin descent. along NW. slope. over ridges.

80.00 Deposit a charred stake 12 ins. in the ground for cor. of secs. 23. 24. 25. and 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 S.E. pit drive an oak stake 2 ft. long 2 ins.

Chains.

sq. 12 ins. in the ground. marked
T 21 N S 24. on NE.
R 31 W S 25. on SE.
S 26. on SW. and
S 23. on NW. faces. with 2 notches on S. and 1 notch on E. edge.
Land: broken.
Soil. sandy; 3rd rate.

N. 89°51' E. on a random line bet. secs. 24 & 25.

40.00 Set temp. ¼ sec. cor.

79.86 Intersect E. bdy. of Tp. 15 lks. N. of the cor. of secs. 19. 24. 25. and 30.
Thence S. nearly
S. 89°57' W. on true line bet. secs. 24 & 25.
Descend gradually, along W. slope.

39.93 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.: dig pits 18x18x12 ins. E. and 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. sq. 12 ins. in the ground. marked
¼ S, on N. face.

42.00 Ascend along NE. slope.

60.00 Top of ascent on N. slope of hills. thence along N. slope. over rolling land.

79.86 The cor. of secs. 23. 24. 25. and 26.
Land: rolling.
Soil. sandy: 3rd rate.

N. 0°04' W. bet. secs. 23 and 24.
Over rolling foot hills.

25.00 Enter rolling valley: E. and W.

40.00 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.: dig pits 18x18x12 ins. N. and S. of 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

Chains.

2 ins. sq. 12 ins. in the ground. marked
¼ S. on W. face.

70.00 Leave valley: ascend along SE. slope.

77.00 Top of ascent. 50 ft.: thence, along S. face.

80.00 Set an oak post 3 ft. long. 4 ins. sq. with a charred stake 24 ins. in the ground. for cor. of secs. 13. 14. 23. and 24: marked
T 21 N S 13. on NE.
R 31 W S 24. on SE.
S 23. on SW. and
S 14. on NW. faces. with 3 notches on S. and 1 notch on E. edges: dig pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base. 2 ft. high. W. of cor.
Land: rolling.
Soil. sandy; 3rd rate.

N. 89° 57' E. on a random line bet. secs. 13 & 24.

40.00 Set temp. ¼ sec. cor.

79.80 Intersect E. bdy. of Tp. 3 lks. S. of the cor. of secs. 13. 18. 19. and 24.
Thence I run
S. 89° 56' W. on true line bet. secs. 13. and 24.
Over rolling valley land.

39.90 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.: dig pits 18 x 18 x 12 ins. E. and 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. sq. 12 ins. in the ground. marked
¼ S. on N. face.

58.00 Leave valley: ascend along SE. slope.

78.00 Top of ascent: thence along S. face of range.

79.80 The cor. of secs. 13. 14. 23. and 24.
Land: rolling.
Soil. sandy; 3rd rate.

Chains.

N. 0° 04' E. bet. secs. 13 and 14.
Ascend along S. slope of range.

15.00 Top of ascent. 200 ft.: thence over broken ground.

40.00 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.: dig pits 18 x 18 x 12 ins. N. and S. of 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. sq. 12 ins. in the ground. marked
¼ S. on W. face.

60.00 Begin descent. along N. slope.

80.00 Deposit a charred stake 12 ins. in the ground for cor. of secs. 11. 12. 13. and 14: 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 S.E. pit. drive an oak stake 2 ft. long. 2 ins. sq. 12 ins. in the ground. marked
T 21 N S 12. on NE.
R 31 W S 13. on SE.
S 14. on SW. and
S 11. on NW. faces. with 4 notches on S. and 1 notch on E. edges.
Land: broken.
Soil. sandy; 3rd rate.

N. 89° 56' E. on a random line bet. secs. 12 & 13.

40.00 Set temp. ¼ sec. cor.

80.00 Intersect E. bdy. of Tp. 14 lks. S. of the cor. of secs. 7. 12. 13. and 18.
Thence I run
S. 89° 50' W. on true line bet. secs. 12 and 13.
Descend gently over rolling hills. along N. slope.

40.00 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.: dig pits 18 x 18 x 12 ins. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base. 1½ ft. high. over deposit.

Chains.

In E. pit. drive an oak stake 2 ft. long. 2 ins. sq. 12 ins. in the ground. marked
¼ S. on N. face.

43.00 Bottom of descent; ascend gradually. along N. slope of range.

80.00 The cor. of secs. 11. 12. 13. and 14.
Land; broken.
Soil. sandy; 3rd rate.

August 7, 1896.

N. 0°04' W. bet. secs. 11 and 12.
Descend along NE. slope, over rolling ground.

38.00 Enter rolling land; E. and W.

40.00 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.; dig pits 18x18x12 ins. N. and S. of 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. sq. 12 ins. in the ground. marked
¼ S. on W. face.

41.00 Begin ascent. along S. slope, over broken ground.

50.00 Deposit a charred stake 12 ins. in the ground for cor. of secs. 1. 2. 11. and 12; 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 S.E. pit. drive an ash stake 2 ft. long 2 ins. sq. 12 ins. in the ground. marked
T21NS 1. on NE.
R31WS 12. on SE.
S 11. on SW. and
S 2. on NW. faces. with 5 notches on S. and 1 notch on E. edges.
Land: broken.
Soil. sandy; 3rd rate.

N. 89°50' E. on a random line bet. secs 1 and 12.

40.00 Set temp. ¼ sec. cor.

Chains.

79.80 Intersect E. bdy. of Tp. 18 lks. N. of the cor. of secs. 1. 6. 7. and 12.
Thence 2 mi.
S. 89°58' W. on true line bet. secs. 1 and 12.
Over very broken ground, along top of range.

5.00 Ridge; bearing SW. and NE.

39.90 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.; dig pits 18x18x12 ins. E. and 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 ash stake 2 ft. long. 2 ins. sq. 12 ins. in the ground. marked
¼ S. on N. face.

43.00 Sand ridge, or bluff.

73.50 Descend from bluffs.

79.80 The cor. of secs. 1. 2. 11. and 12.
Land; broken.
Soil. sandy; 3rd rate.

N. 0°04' W. bet. secs. 1 and 2.
ascend along S. face.

4.00 Top of ascent, on range 100 ft. high; E. & W. thence, over broken ground.

15.00 Begin descent along N. face, over broken ground.

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

50.00 Bottom of descent; enter rolling ground.

70.00 Begin ascent. along S. slope.

80.00 Intersect S. bdy of Tp. 22 N., R. 31 W. N. 89°53' W 82 lks. dist from the cor. of secs. 35 and 36.
Deposit a charred stake 12 ins. in the ground. for closing cor. of secs. 1 and 2; dig pits 24x18x12 ins. crosswise on each line

Chains.

E., W., and S. of cor. 4 ft. dist. and raise a mound of earth 4 ft. base. 2 ft. high over deposit.
In E. pit. drive an ash stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked
CC T21N R31W, on S.
S1. on E. and
S2. on W. faces. with 1 groove on E. and 5 grooves on W. faces.
Land: rolling, and broken.
Soil, sandy: 3rd rate.

August 14, 1896.

N. 0°05' W. bet. secs. 34 and 35.
Ascend over ridges, along S. face of range.
28.00 Top of ascent. 50 ft. above cor.: thence, along W. face of range, over broken ground.
40.00 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.: dig pits 18x18x12 ins. N. and S. of 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. sq. 12 ins. in the ground. marked
¼ S., on W. face.
80.00 Deposit a charred stake 12 ins. in the ground for cor. of secs. 26. 27. 34. and 35: 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 S.E. pit, drive an oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked
T21N S 26. on NE.
R31W S 35. on SE.
S 34. on SW. and
S 27. on NW. faces. with 1 notch on S. and 2 notches on E. edges.
Land: broken.
Soil. sandy: 3rd rat.

Chains.

East, on a random line bet. secs. 26 and 35.
40.00 Set temp. ¼ sec cor.
80.10 Intersect N. and S. line 20 lks. S. of the cor. of secs. 25. 26. 35. and 36.
Thence I run
S. 89°57' W. on true line bet. secs. 26 and 35.
Over rolling foot hills, along N. slope.
9.00 Trail, bears NW. and SE.
37.00 Begin abrupt ascent, along NE. slope.
40.05 Deposit a charred stake 12 ins. in the ground for 1 sec. cor.: dig pits 18x18x12 ins. E. and 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. sq. 12 ins. in the ground. marked
¼ S., on N. face.
41.00 Top of ascent: thence along N. face of range, over broken ground.
68.00 Top of range. 75 ft. high: thence over broken ground.
80.10 The cor. of secs. 26. 27. 34. and 35.
Land: broken.
Soil, sandy: 3rd rate.

N. 0°05' W. bet. secs. 26 and 27.
Ascend.
2.00 Top of ascent, on sand peak. 30 ft. above cor.: descend along N. slope of range.
38.00 Bottom of descent: enter narrow valley, bearing NW. and SE.
40.00 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.: dig pits 18x18x12 ins. N. and S. of 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. sq. 12 ins. in the ground. marked
¼ S. on W. face.
48.00 Trail: bears S. 60° W.: ascend along SW. slope of range of low hills.

Chains.

80.00 Deposit a charred stake 12 ins. in the ground for cor. of secs. 22. 23. 26. and 27: 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 S.E. pit. drive an oak stake 2 ft. long, 2 ins. sq, 12 ins. in the ground. marked
T21 N S 23. on NE.
R31 W S 26. on SE.
S 27. on SW. and
S 22. on NW. faces. with 2 notches on S. and E. edges.
Land: rolling.
Soil. sandy; 3rd rate.

N. 89°51' E. on a random line bet. secs. 23 & 26.
40.00 Set temp. ¼ sec. cor.
80.26 Intersect N. and S. line at the cor. of secs. 23. 24. 25. and 26.
Thence I run
S. 89°51' W. on true line bet. secs. 23 and 26.
Ascend over rolling ground.
20.00 Ridge, or pass; draw NW. and SE.
ascend along NE. slope.
33.00 Top of ascent; thence over low ridges, along top of range.
40.13 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.; dig pits 18x18x12 ins. E. and 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. sq. 12 ins. in the ground. marked
¼ S., on N. face.
80.26 The cor. of secs. 22. 23. 26. and 27.
Land: broken.
Soil. sandy: 3rd rate.

Chains.

N. 0°05' W. bet. secs. 22 and 23.
Ascend gradually, along W. face of range.
4.00 Top of ascent; descend gradually, along W. slope.
40.00 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.; dig pits 18x18x12 ins. N. and S. of 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. sq. 12 ins. in the ground. marked
¼ S., on W. face.
This cor. is at bottom of descent. in pass bearing E. and W.; ascend abruptly, over broken ridges. along SW. slope.
78.00 Top of ascent, 200 ft., on W. face of range.
80.00 Deposit a charred stake 12 ins. in the ground for cor. of secs. 14. 15. 22. and 23: 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. sq. 12 ins. in the ground. marked
T21N S 14. on NE.
R31W S 23. on SE.
S 22. on SW. and
S 15. on NW. faces. with 3 notches on S. and 2 on E. edge.
Land: broken.
Soil. sandy; 3rd rate.

N. 89°51' E. on a random line bet. secs. 14 & 23.
40.00 Set temp. ¼ sec. cor.
80.20 Intersect N. and S. line, 10 lks. S. of the cor. of secs. 13. 14. 23. and 24.
Thence I run
S. 89°47' W. on true line bet. secs. 14 and 23.
Ascend along SE. slope of range.
40.10 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.; dig pits 18x18x12 ins. E. and W. of cor. 4 ft. dist. and raise a mound of earth

Chains.

3½ ft. base. 1½ ft. high. over deposit.
In E. pit. drive an oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground. marked
¼ S., on N. face.

44.00 Top of ascent: 200 ft.: thence, along top of range.

66.00 Descend along W. slope.

80.20 The cor. of secs. 14. 15. 22. and 23.
Land: broken.
Soil. sandy: 3rd rate.

N. 0°05' W. bet. secs. 14 and 15.
Over very broken ground, along W. slope of range.

40.00 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.: dig pits 18x18x12 ins. N. and S. of 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. sq. 12 ins. in the ground. marked
¼ S., on W. face.

53.00 Begin descent. along NW. slope.

80.00 Deposit a charred stake 12 ins. in the ground for cor. of secs. 10. 11. 14. and 15: 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 S.E. pit. drive an oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground. marked
T 21 N S 14. on ~~NE~~.
R 31 W S 23. on ~~SE~~.
S 22. on SW. and
S 15. on NW. faces with 4 notches on S. and 2 on E. edges.
Land: broken.
Soil. sandy: 3rd rate.

Chains.

N. 89°47' E. on a random line bet. secs. 11 & 14.

40.00 Set temp. ¼ sec. cor.

80.20 Intersect N. and S. line, 40 lks. N. of the cor. of secs. 11. 12. 13. and 14.
Thence I run
N. 89°55' W. on true line bet. secs. 11 and 14.
Over broken ground. on spur of range.

18.00 Begin descent, along NW. slope.

40.10 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.: dig pits 18x18x12 ins. E. and 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. sq. 12 ins. in the ground. marked
¼ S., on N. face.

45.00 Bottom of descent: thence over foot hills, along N. slope of range.

80.20 The cor. of secs. 10. 11. 14. and 15.
Land: broken.
Soil. sandy: 3rd rate.

August 8, 1896.

N. 0°05' W. bet. secs. 10. and 11.
Descend slightly, along N. foot hills of range.

6.00 Enter valley: bears NE. and SW.

40.00 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.: dig pits 18x18x12 ins. N. and S. of 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. sq. 12 ins. in the ground. marked
¼ S., on W. face.

49.00 Leave valley: ascend abruptly. along S. slope of range.

53.00 Top of abrupt ascent; ascend gradually. along S. face.

65.00 Top of range. 150 ft.: bears NE. and SW.

80.00 Deposit a charred stake 12 ins. in the ground for cor. of secs. 2. 3. 10. and 11: dig pits 18x18x12

Chains.

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. sq. 12 ins. in the ground. marked
T21 N S 2. on NE.
R31 W S 11. on SE.
S10. on SW. and
S 3. on NW. faces. with 5 notches on S. and 2 on E. edges.
Land: rolling, and broken.
Soil. sandy; 3rd rate.

S. 89°55' E. on a random line bet. secs. 2 and 11.
40.00 Set temp. ¼ sec. cor.
80.30 Intersect N. and S. line 33 lks. S. of the cor. of secs. 1, 2, 11, and 12.
Thence S. run
S. 89°50' W. on true line bet. secs. 2 and 11.
Over broken ground along top of range.
40.15 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.: dig pits 18x18x12 ins. E. and 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 ash stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked
¼ S, on N. face.
67.00 S. edge of bluff.
80.30 The cor. of secs. 2. 3. 10. and 11.
Land: broken.
Soil. sandy: 3rd rate.

N. 0°05' N. bet. secs. 2 and 3.
Over broken ground, along top of range.
17.00 Begin descent along N. slope.
37.00 Bottom of descent: enter rolling valley.
40.00 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.: dig pits 18x18x12 ins. N. and S. of cor. 4 ft. dist. and raise a mound of earth

Chains.

3½ ft. base. 1½ ft. high. over deposit.
In S. pit. drive an oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground. marked
¼ S., on W. face.
60.00 Leave valley; ascend gradually along S. slope of range.
80.60 Intersect S. bdy of T 22 N., R. 31 W., N. 89°53' W. 110 lks. dist. from the cor. of secs. 34 and 35.
Deposit a charred stake 12 ins. in the ground for closing cor. of secs. 2 and 3; dig pits 24x18x12 ins. crosswise on each line E., W., and S. of cor. 4 ft. dist. and raise a mound of earth 4 ft. base. 2 ft. high. over deposit.
In E. pit. drive an oak stake 2 ft. long. 2 ins. sq. 12 ins. in the ground. marked
C C T 21 N R 31 W. on S.
S 2, on E. and
S 3. on W. faces. with 2 grooves on E. and 4 on W. faces.
Land: rolling, and broken.
Soil. sandy; 3rd rate.
August 14, 1896.

N. 0°06' W. bet. secs. 33 and 34.
Descend over rolling land.
4.00 Enter rolling bottom land - E. and W.
40.00 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.: dig pits 18x18x12 ins. N. and S. of 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. sq. 12 ins. in the ground. marked
¼ S, on W. face.
71.00 Begin ascent. along S. slope of range of hills.
80.00 Set an oak post 3 ft. long. 4 ins. sq. with a charred stake 24 ins. in the ground. for cor. of secs. 27. 28. 33. and 34. marked
T21 N S27. on NE.
R31 W S34. on SE.

Chains.

S 33. on SW. and
S 28. on NW. faces. with 1 notch on S. and 30:1 E. edges: dig pits 18x18x12 ins. in each sec. 5½ ft. dist. and raise a mound of earth. 4 ft. base. 2 ft. high. W. of cor.
Land: broken.
Soil. sandy: 3rd rate.

Cust. on a random line bet. secs. 27 & 34.
40.00 Set temp. ¼ sec. cor.
80.20 Intersect N. and S. line 38 lks. N. of the cor. of secs. 26. 27. 34. and 35.
Thence I run
N. 89° 44' W. on true line bet. secs. 27 & 34.
Over broken ground, on top of hills 150 ft. high.
16.00 Descend over rolling ground.
40.10 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.: dig pits 18x18x12 ins. E. and 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. sq. 12 ins. in the ground. marked
¼ S, on W. face.
63.00 Bottom of descent. in pass: bears NE. and SW. ascend along SE. slope.
[illegible].00 The cor. of secs. 27. 28. 33. and 34.
Land: broken.
Soil. sandy: 3rd rate.

N. 0° 06' W. bet. secs. 27 and 28.
Ascend gradually. along S. slope of range.
[illegible]3.00 Top of ascent, on spur of range: descend gradually. along N. slope.
[illegible]2.00 Bottom of descent, in pass: ascend along S. face of range.
[illegible] Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.: dig pits 18x18x12 ins. N. and S. of cor. 4 ft. dist. and raise a mound of earth

Chains.

3½ ft. base. 1½ ft. high. over deposit.
In S. pit. drive an oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked
¼ S, on W. face.
56.00 Top of ascent. 250 ft.: thence over broken ground.
80.00 Deposit a charred stake 12 ins. in the ground for cor. of secs. 21. 22. 27. and 28: 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 S.E. pit. drive an oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked
T 21 N S 22, on NE.
R 31 W S 27, on SE.
S 28, on SW. and
S 21. on NW. faces. with 2 notches on S. and 3 on E. edges.
Land: broken.
Soil. sandy: 3rd rate.

S. 0° 44' E. on a random line bet. secs. 22 & 27.
40.00 Set temp. ¼ sec. cor.
[illegible].14 Intersect N. and S. line 7 lks. S. of the cor. of secs. 22. 23. 26. and 27.
Thence I run
N. 89° 47' W. on true line bet. secs. 22 and 27.
Descend along W. slope of range.
15.00 Bottom of descent. in pass: bears NW. and SE.
17.00 Trail: bears N. 30° W.: thence over rolling ground.
33.00 Begin ascent along E. slope of range.
40.07 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.: dig pits 18x18x12 ins. E. and 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. sq. 12 ins. in the ground. marked
¼ S, on N. face.
68.00 Top of ascent: thence over rolling ground

Chains.

80.14 The cor. of secs. 21. 22. 27. and 28.
Land: broken.
Soil, sandy: 3rd rate.

N. 0°05' W. bet. secs. 21 and 22.
Over very broken ground, along top of range.
40.00 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.: dig pits 18x18x12 ins. N. and S. of 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. sq. 12 ins. in the ground, marked
¼ S., on W. face.
54.00 Begin descent along N. slope.
[illegible].00 Set an oak post 3 ft. long 4 ins. sq. with a charred stake 24 ins. in the ground, for cor. of secs. 15. 16. 21. and 22. marked
T 21 N S 15. on NE.
R 31 W S 22. on SE.
S 21. on SW. and
S 16. on NW. faces, with 3 notches on S. and E. edges: dig pits 18x18x12 ins. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.
Land: broken.
Soil, sandy: 3rd rate.

S. 89° 47' E. on a random line bet. secs. 15 & 22.
40.00 Set temp. ¼ sec. cor.
80.20 Intersect N. and S. line 24 lks. S. of the cor. of secs. 14, 15, 22, and 23.
Thence S. [illegible]
On N. 89° 57' W. on true line bet. secs. 15 and 22.
Descend along W. slope, over broken ground.
34.00 Bottom of descent.
40.10 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.: dig pits 18x18x12 ins. E. and W. of cor. 4 ft. dist. and raise a mound of earth

Chains.

3½ ft. base, 1½ ft. high, over deposit.
In E. pit, drive an oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked
¼ S., on N. face.
43.35 Trail: bears N. 20° W.; thence, over rolling bottom land.
50.20 The cor. of secs. 15, 16, 21, and 22.
Land: rolling, and broken.
Soil, sandy: 3rd rate.

N. 0°06' W. bet. secs. 15 and 16.
Over level 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. 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. sq. 12 ins. in the ground, marked
¼ S., on W. face.
64.00 Begin ascent along S. slope of range.
67.10 Trail: bears N. 40° W. & reverse.
80.00 Deposit a charred stake 12 ins. in the ground for cor. of secs. 9, 10, 15, and 16: dig pits 18x18x12 ins. in each sec. 4 ft. dist. and raise a mound [illegible] with 4 ft. base, 2 ft. high, over deposit.
In SE. of N. drive an oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked
T 21 N S 10. on NE.
R 31 W S 15. on SE.
S 16. on SW. and
S 9. on NW. faces, with 4 notches on S. and 2 on E. edges.
Land: rolling and broken.
Soil, sandy: 3rd rate.

S. 89° 57' E. on a random line bet. secs. 10 & 15.
40.00 Set temp. ¼ sec. cor.
79.90 Intersect N. and S. line 4 lks. N. of the cor. of

Chains.

secs. 10. 11. 14. and 15.
Thence I run
N. 89°55' W. on true line bet. secs. 10 & 15.
Descend gradually over low foot hills.
20.00 Bottom of descent; enter rolling valley land.
39.95 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.; dig pits 18x18x12 ins. E. and 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. sq. 12 ins. in the ground, marked ¼ S, on N. face.
55.00 Leave valley, NE. and SW.; ascend along SE. slope of range.
79.90 The cor. of secs. 9. 10. 15. and 16.
Land; rolling.
Soil, sandy; 3rd rate.

August 10, 1896.

On N. 0°06' W. bet. secs. 9 and 10.
Ascend over broken ground, on top of range.
24.00 Top of ascent, on sand peak, 150 ft. above valley.
40.00 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.; dig pits 18x18x12 ins. N. and S. of 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. sq. 12 ins. in the ground, marked ¼ S. on W. face.
53.00 Begin gradual descent, along N. slope.
80.00 Set an oak post 3 ft. long, 4 ins. sq. with a charred stake 24 ins. in the ground, for cor. to secs. 3. 4. 9. and 10, marked
T 21 N S 3. on NE.
T 31 W S 10. on SE.
S 9. on SW. and
S 4. on NW. faces, with 5 notches on S. and 3 on E. edges; dig pits 18x18x12 ins. in each sec. 5½ ft. dist. and raise a mound of earth

Chains.

1 ft base, 2 ft. high, W. of cor.
Land; broken.
Soil, sandy; 3rd rate.

S. 89°55' E. on a random line bet. secs. 3 & 10.
40.00 Set temp. ¼ sec. cor.
51.08 Intersect N. and S. line 15 lks. S. of the cor. of secs. 2. 3. 10. and 11.
Thence I run
N. 89°59' W. on true line bet. secs. 3 and 10.
Ascend over broken ground.
22.50 Top of ascent; thence descend along N. slope.
40.04 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.; dig pits 18x18x12 ins. E. and 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. sq. 12 ins. in the ground, marked ¼ S, on N. face.
61.00 Bottom of descent; thence, over low foot hills.
80.08 The cor. of secs. 3. 4. 9. and 10.
Land; broken.
Soil, sandy; 3rd rate.

August 14, 1896.

On N. 0°06' W. bet. secs. 3 and 4.
Descend slightly.
18.00 Bottom of descent, in pass; bears E. and W.
20.00 Begin ascent, along S. slope of low range.
35.00 Top of ascent, 75 ft.
40.00 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.; dig pits 18x18x12 ins. N. and S. of 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. sq. 12 ins. in the ground, marked ¼ S, on W. face.

Chains.

43.00 Descend.

50.00 Bottom of descent, in ravine or pot hole.

55.00 Begin ascent along S. slope of high range.

80.60 Intersect S. bdy. T. 22 N., R. 31 W. N. 89°53' W. 1 ch. dist. from the cor. of secs. 33 and 34.
Deposit a charred stake 12 ins. in the ground for closing cor. of secs. 3 and 4: dig pits 24 x 18 x 12 ins. crosswise on each line, E., W., and S. of cor. 4 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high, over deposit.
In E. pit, drive an oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked
C C T 21 N R 31 W. on S.
S 3. on E. and
S 4. on W. faces, with 3 grooves on E. and W. faces.
Land: broken.
Soil, sandy; 3rd rate.

August 19, 1896.

N. 0°07' W. bet. secs. 32 and 33.
Ascend abruptly, over very broken ground along S. slope of range.

31.00 Top of ascent: descend gradually along N. slope of low 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. and S. of 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. sq. 12 ins. in the ground, marked
¼ S., on W. face.

46.00 Bottom of descent, in pass; bears NW. & SE. thence ascend along S. slope of range, over broken ground.

75.00 Top of ascent: thence across range, over sand bluffs, and ridges.

80.00 Deposit a charred stake 12 ins. in the ground for cor. of secs. 28, 29, 32, and 33: dig pits

Chains.

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 S.E. pit, drive an oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked
T 21 N S 28. on NE.
R 31 W S 33. on SE.
S 32. on SW. and
S 29. on NW. faces, with 1 notch on S. and 4 notches on E. edges.
Land: broken.
Soil, sandy; 3rd rate.

East, on a random line bet. secs. 28 and 33.

40.00 Set temp. ¼ sec. cor.

80.20 Intersect N. and S. line 7 lks. S. of the cor. of secs. 27, 28, 33, and 34.
Thence I run
S. 89°57' W. on true line bet. secs. 28 and 33.
Ascend gradually, along S.E. slope.

40.10 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.: dig pits 18 x 18 x 12 ins. E. and 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. sq. 15 ins. in the ground, marked
¼ S., on N. face.

46.00 Top of ascent; thence over broken ground along S. face of range.

70.00 Top of ascent, on S. face of ridge: descend.

80.20 The cor. of secs. 28, 29, 32, and 33.
Land: broken.
Soil, sandy; 3rd rate.

N. 0°07' W. bet. secs. 28 and 29.
Along top of range, bearing NW. and SE., over very broken ground.

[illegible].00 Begin gradual descent, along N. slope.

Chains.

40.00 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.: dig pits 18x18x12 ins. N. and S. of 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. sq. 12 ins. in the ground, marked
¼ S, on W. face.

73.00 Enter circular valley of about 300 acres.

80.00 Deposit a charred stake 12 ins. in the ground for cor. of secs. 20, 21, 28, and 29: 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 S.E. pit drive an oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked
T 21 N S 21, on NE,
R 31 W S 28, on SE,
S 29, on SW. and
S 20, on NW. faces, with 2 notches on S. and 4 on E. edges.
Land: broken.
Soil, sandy; 3rd rate.

N. 89° 57' E. on a random line bet. secs. 21 & 28.

40.00 Set temp. ¼ sec. cor.

79.96 Intersect N. and S. line, 20 lks. S. of the cor. of secs. 21, 22, 27, and 28.
Thence I run
S. 89° 44' W. on true line bet. secs. 21 and 28.
Over very broken ground.

10.00 Descend along W. slope.

39.98 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.: dig pits 18x18x12 ins. E. and 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. sq. 12 ins. in the ground, marked
¼ S, on N. face.

47.00 Bottom of descent: enter level ground.

Chains.

79.96 The cor. of secs. 20, 21, 28, and 29.
Land: level, and broken.
Soil, sandy; 3rd rate.

N. 0° 07' W. bet. secs. 20 and 21.
Over level land.

35.00 Leave valley: ascend along S. slope.

35.50 Wire fence: bears N. 50° E. and reverse.

40.00 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.: dig pits 18x18x12 ins. N. and S. of 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. sq. 12 ins. in the ground, marked
¼ S, on W. face.

55.00 Top of ascent, 100 ft., on range bearing E. & W.

62.00 Begin descent along N. slope.

80.00 Deposit a charred stake 12 ins. in the ground for cor. of secs. 16, 17, 20, and 21: 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 S.E. pit drive an oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked
T 21 N S 16, on NE,
R 31 W S 21 on SE,
S 20, on SW. and
S 17, on NW. faces, with 3 notches on S. and 4 on E. edges.
Land: broken.
Soil, sandy; 3rd rate.

N. 89° 44' E. on a random line bet. secs. 16 & 21

40.00 Set temp. ¼ sec. cor.

79.80 Intersect N. and S. line 20 lks. N. of the cor. of secs. 15, 16, 21, and 22.
Thence I run
S. 89° 53' W. on true line bet. secs. 16 and 21.

Chains.

Over level bottom land.

19.00 Ascend gently, over rolling foot hills, along N. slope of range.

39.90 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.: dig pits 18x18x12 ins. E. and 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. sq. 12 ins. in the ground. marked ¼ S., on N. face.

79.80 The cor. of secs. 16. 17. 20. and 21.
Land: rolling.
Soil. sandy; 3rd rate.

N. 0°07' W. bet. secs. 16 and 17.
Over low rolling hills.

19.00 Begin ascent. along S. slope of range.

27.00 Top of ascent: thence across top of range.

40.00 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.: dig pits 18x18x12 ins. N. and S. of 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. sq. 12 ins. in the ground. marked ¼ S., on W. face.
Descend along N. slope.

55.00 Bottom of descent. in pass: E. and W.: thence ascend gradually, along S. slope of range.

80.00 Deposit a charred stake 12 ins. in the ground for cor. of secs. 8. 9. 16. and 17: 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 S.E. pit. drive an oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground. marked
T 21 N S 9. on NE.
R 31 W S 16. on SE.
S 17. on SW. and
S 8. on NW faces, with 4 notches

Chains.

on S. and E. edges.
Land: broken.
Soil sandy; 3rd rate.

N. 89°53' E. on a random line bet. secs. 9 & 16.

40.00 Set temp. ¼ sec. cor.

80.10 Intersect N. and S. line 15 chs. S. of the cor. of secs. 9. 10. 15. and 16.
Thence I run
S. 89°47' W. on true line bet. secs. 9 & 16.
along S. face of range, over very broken ground.

17.00 Trail: bears N. 30° W.

40.05 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.: dig pits 18x18x12 ins. E. and 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. sq. 12 ins. in the ground. marked ¼ S., on N. face.

69.00 Sand bluff, or peak, 40 ft. high.

80.10 The cor. of secs. 5. 9. 16. and 17.
Land: broken.
Soil. sandy: 3rd rate.

August 11, 1896.

N. 0°07' W. bet. secs. 8. and 9.
Ascend along S. face of range.

6.00 Top of ascent. 30 ft. above cor. on range bearing E. and W. thence over broken ground

37.00 Begin descent along N. slope. over hillocks and ravines.

40.00 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.: dig pits 18x18x12 ins. N. and S. of 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. sq. 12 ins. in the ground. marked ¼ S., on W. face.

Chains.

61.00 Bottom of descent; enter rolling valley.

80.00 Deposit a charred stake 12 ins. in the ground for cor. of secs. 4, 5, 8, and 9; 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 S.E. pit drive an oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked

T21N S4. on NE.

R31W S9. on SE.

S8. on SW. and

S5. on NW. faces, with 5 notches on S. and 4 on E. edges.

Land: rolling, and broken.

Soil, sandy; 3rd rate.

N. 89°47' E. on a random line bet. secs. 4 & 9.

40.00 Set temp. ¼ sec. cor.

79.82 Intersect N. and S. line, 5 lks. N. of the cor. of secs. 3, 4, 9, and 10.

Thence S. run

S. 89°49' W. on true line bet. secs. 4 and 9.

Over low ridges, and ravines.

7.00 Descend over low foot hills.

39.91 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.; dig pits 18 x 18 x 12 ins. E. and 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. sq. 12 ins. in the ground, marked

¼ S., on N. face.

45.00 Bottom of descent; thence, over nearly level ground.

60.00 Trail, bears N. and S.

79.82 The cor. of secs. 4, 5, 8, and 9.

Land, rolling, and broken

Soil, sandy; 3rd rate.

August 15, 1896.

Chains.

N. 0°07' W. bet. secs. 4 and 5.

Over level land.

25.90 Trail; bears S. 80° W.

40.00 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.; dig pits 18 x 18 x 12 ins. N. and S. of 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. sq. 12 ins. in the ground, marked

¼ S., on W. face.

41.00 Leave valley; ascend along S. slope of range.

66.00 Top of ascent, on range bearing E. and W.

78.00 Begin descent along NE. slope.

80.20 Intersect S. bdy. of T. 22 N., R. 31 W., N. 89°55' W. 74 lks. dist. from the cor. of secs. 32 and 33.

Deposit a charred stake 12 ins. in the ground for closing cor. of secs. 4 and 5; dig pits 24 x 18 x 12 ins. crosswise on each line, E., W., and S. of cor. 4 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high, over deposit.

In E. pit drive an oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked

CCT21N R31W. on S.

S4. on E. and

S5. on W. faces, with 4 grooves on E. and 2 on W. faces.

Land; rolling, and broken.

Soil, sandy; 3rd rate.

August 19, 1896.

N. 0°08' W. bet. secs. 31 and 32.

Ascend over broken ground, along S. 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. and S. of 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. sq. 12 ins. in the ground, marked

¼ S., on W. face.

Chains.

46.00 Top of ascent on sand peak, 100 ft. above cor: thence over very broken ground.

59.00 Descend along N. slope, over ridges, and ravines.

80.00 Deposit a charred stake 12 ins. in the ground for cor. of secs. 29. 30. 31. and 32: 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 S.E. pit. drive an oak stake 2 ft. long. 2 ins. sq. 12 ins. in the ground. marked

T21N S29. on NE.

R31W S32. on SE.

S31. on SW. and

S30. on NW. faces. with 1 notch on S. and 5 notches on E. edges.

Land: broken.

Soil. sandy; 3rd rate.

East, on a random line bet. secs. 29 and 32.

40.00 Set temp. ¼ sec. cor.

80.10 Intersect N. and S. line 2 lks. S. of the cor. of secs. 28. 29. 32. and 33.

Thence I run

S. 89° 59' W. on true line bet. secs. 29 and 32.

On top of range: 200 ft. high.

1.10 Begin descent, along W. slope.

40.05 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.: dig pits 18 x 18 x 12 ins. E. and 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. sq. 12 ins. in the ground. marked

¼ S., on N. face.

46.00 Bottom of descent: enter neck of valley.

56.00 Begin ascent. along NE. slope.

80.10 The cor. of secs. 29. 30. 31. and 32.

Land: broken.

Soil. sandy; 3rd rate.

Chains.

West: on a random line bet. secs. 30 and 31.

40.00 Set temp. ¼ sec. cor.

79.68 Intersect W. bdy. of Tp. 10 lks. S. of the cor. of secs. 25. 30. 31. and 36.

Thence I run

S. 89° 56' E. on true line bet. secs. 30 and 31.

Descend abruptly, over broken ground.

20.00 Bottom of descent, in pass: bearing N. and S. ascend over low hills.

[illegible]5.00 Top of ascent: thence over ridges, along N. slope.

39.68 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.: dig pits 18 x 18 x 12 ins. E. and 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. sq. 12 ins. in the ground. marked

¼ S., on N. face.

79.68 The cor. of secs. 29. 30. 31. and 32.

Land: broken.

Soil. sandy; 3rd rate.

N. 0° 08' W. bet. secs. 29 and 30.

Descend gradually.

15.00 Enter rolling valley: bears NE. and SEW.

40.00 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor: dig pits 18 x 18 x 12 ins. N. and S. of 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. sq. 12 ins. in the ground. marked

¼ S., on W. face.

69.95 Wire fence: bears S. 80° W.

80.00 Deposit a charred stake 12 ins. in the ground for cor. of secs. 19. 20. 29. and 30: 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 S.E. pit. drive an oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground. marked

3, 4, 5, 10, 12, 13, 18, 19, 20

Chains.

T21N S20. on NE.
R31W S29. on SE.
S30. on SW. and
S19. on NW. faces. with 2 notches on S. and 5 on E. edges.
Land, rolling, and broken.
Soil, sandy; 2nd and 3rd rate.

N. 89°59' E. on a random line bet. secs. 20 & 29.
40.00 Set temp. ¼ sec. cor.
79.94 Intersect N. and S. line 7 lks. N. of the cor. of secs. 20, 21, 28, and 29.
Thence I run
N. 89°58' W. on true line bet. secs. 20 and 29.
Over level land.
7.00 Leave valley; enter low foot hills.
33.54 Wire fence; bears N. 40° E.
35.00 Enter rolling valley land.
39.97 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.; dig pits 18x18x12 ins. E. and 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. sq. 12 ins. in the ground, marked
¼S. on N. face.
79.94 The cor. of secs. 19, 20, 29, and 30.
Land, rolling.
Soil, sandy; 2nd and 3rd rate.

N. 89°56' W. on a random line bet. secs. 19 and 30.
40.00 Set temp. ¼ sec. cor.
79.40 Intersect W. bdy. of Tp. 5 lks. N. of the cor. of secs. 19, 24, 25, and 30.
Thence I run
S. 89°58' E. on true line bet. secs. 19 and 30.
Descend gradually along N. slope.
31.50 Wire fence; bears N. 70° W.
38.00 Bottom of descent; thence over rolling valley land.

Chains.

39.40 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.; dig pits 18x18x12 ins. E. and 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. sq. 12 ins. in the ground, marked
¼S. on N. face.
79.40 The cor. of secs. 19, 20, 29, and 30.
Land, rolling.
Soil, sandy; 3rd rate.

N. 0°08' W. bet. secs. 19 and 30.
Over level valley.
21.00 Leave valley; ascend gradually along S. slope.
40.00 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.; dig pits 18x18x12 ins. N. and S. of 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. sq. 12 ins. in the ground, marked
¼S. on W. face.
52.70 Wire fence; bears E. and W.
73.00 Top of ascent, 80 ft.; thence over broken ground.
80.00 Set an oak post 3 ft. long, 4 ins. sq. with a charred stake 24 ins. in the ground, for cor. of secs. 17, 18, 19, and 20, marked
T21N S17. on NE.
R31W S20. on SE.
S19. on SW. and
S18. on NW. faces. with 3 notches on S. and 5 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, N. of cor.
Land; rolling, and broken.
Soil, sandy; 3rd rate.

S. 89°58' E. on a random line bet. secs. 17 and 20.
40.00 Set temp. ¼ sec. cor.

Chains.

80.20 Intersect N. and S. line 8 lks. N. of the cor. of secs. 16. 17. 20. and 21.

Thence I run

N. 89°54' W. on true line bet. secs. 17 and 20.

Descend gradually along N. foot hills of range.

30.00 Bottom of descent, in pass: NE. and SW.

ascend along S.E. slope of point.

35.00 Top of ascent: descend along SW. slope of ridge.

40.00 Bottom of descent, in ravine: bears NE. and SW.

40.10 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.: dig pits 18x18x12 ins. E. and 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. sq. 12 ins. in the ground. marked

¼ S., on N. face.

Ascend along NE. slope.

53.00 Top of ascent: thence over broken ground.

80.20 The cor. of secs. 17. 18. 19. and 20.

Land: broken.

Soil. sandy; 3rd rate.

N. 89°58' W. on a random line bet. secs. 18 and 19.

40.00 Set temp. ¼ sec. cor.

79.52 Intersect W. bdy. of Tp. 2 lks. S. of the cor. of secs. 13. 18. 19. and 24.

Thence I run

S. 89°57' E. on true line bet. secs. 18 and 19.

Ascend over rolling ground, along S. slope of range.

5.30 Trail to Mullen: bears N. 30° E.

39.52 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.: dig pits 18x18x12 ins. E. and 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. sq. 12 ins. in the ground. marked

¼ S., on N. face.

40.00 Top of ascent, on range: thence, over broken ground.

Chains.

79.52 The cor. of secs. 17. 18. 19. and 20.

Land: broken.

Soil. sandy: 3rd rate.

August 12, 1896.

N. 0°08' W. bet. secs. 17 and 18.

Over rolling ground, on top of range.

17.00 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. and S. of 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. sq. 12 ins. in the ground. marked

¼ S., on W. face.

51.00 Enter level land: bears E. and W.

80.00 Deposit a charred stake 12 ins. in the ground for cor. of secs. 7. 8. 17. and 18: 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. sq. 12 ins. in the ground. marked

T 21 N S 8. on NE.

R 31 W S 17. on SE.

S 1. on SW. and

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

Land: rolling and broken.

Soil. sandy; 3rd rate.

S. 89°52' E. on a random line. bet. secs. 8 & 17.

40.00 Set temp. ¼ sec. cor.

50.20 Intersect N. and S. line 14 lks. N. of the cor. of secs. 8. 9. 16. and 17.

Thence I run

N. 89°48' W. on true line bet. secs. 8 and 17.

Ascend along S.E. face of bluff.

Chains.

2.00 Top of ascent: thence along top of range. over very broken ground.

40.10 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.: dig pits 18x18x12 ins. E. and 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. sq. 12 ins. in the ground. marked
¼ S., on N. face.

51.00 Descend along W. slope of range.

80.20 The cor. of secs. 7. 8. 17. and 18.
Land: broken.
Soil. sandy; 3rd rate.

N. 89°57' W. on a random line bet. secs. 7 and 18.

40.00 Set temp. ¼ sec. cor.

79.30 Intersect W. bdy. of Tp. 20 lks. S. of the cor. of secs. 7. 12. 13. and 18.
Thence I run
S. 89°48' E. on true line bet. secs. 7 and 18.
Over level land.

12.40 Trail: bears N. and S.

12.70 Enter plowed field.

18.45 Leave " "

24.00 Leave valley; ascend along W. slope.

31.00 Top of ascent; thence over broken ground.

39.30 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.: dig pits 18x18x12 ins. E. and 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. sq. 12 ins. in the ground. marked
¼ S., on N. face.

53.00 Descend slightly, over low hills.

79.30 The cor. of secs. 7. 8. 17. and 18.
Land: rolling and broken.
Soil. sandy; 3rd rate.

Chains.

N. 0°08' W. bet. secs. 7 and 8.
Over rolling valley land.

31.00 Begin gradual ascent along S. slope of range.

40.00 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.: dig pits 18x18x12 ins. N. and S. of 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. sq. 12 ins. in the ground. marked
¼ S. on W. face.

47.00 Top of ascent. 75 ft. high.

62.00 Descend gradually, along N. slope.

80.00 Deposit a charred stake 12 ins. in the ground for cor. of secs. 5. 6. 7. and 8: 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 S.E. pit. drive an oak stake 2 ft. long. 2 ins. sq. 12 ins. in the ground. marked
T21N S5. on NE.
R31W S8. on SE.
S7. on SW. and
S6. on NW. faces. with 5 notches on S. and E. edges.
Land: rolling and broken.
Soil. sandy; 3rd rate.

S. 89°48' E. on a random line bet. secs. 5 & 8.

40.00 Set temp. ¼ sec. cor.

80.18 Intersect N. and S. line. 12 lks. S. of the cor. of secs. 4. 5. 8. and 9.
Thence I run
N. 89°53' W. on true line bet. secs. 5 and 8.
Over rolling valley land.

20.00 Leave valley: thence, over low rolling foothills.

40.09 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.: dig pits 18x18x12 ins. E. and W. of cor. 4 ft. dist. and raise a mound of earth

Chains.

3½ ft. base. 1½ ft. high, over deposit.
In E. pit drive an oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground. marked ¼ S., on N. face.

80.18 The cor. of secs. 5. 6. 7. and 8.
Land; rolling.
Soil, sandy: 3rd rate.

August 15, 1896.

N. 89°48' W. on a random line bet. secs. 6 and 7.

40.00 Set temp. ¼ sec. cor.

79.06 Intersect W. bdy. of Tp. 4 lks. S. of the cor. of secs. 1. 6. 7. and 12.
Thence I run
S. 89°46' E. on true line bet. secs. 6 and 7.
Descend slightly, over rolling ground, along S. slope, of range.

11.00 Bottom of descent; thence, over rolling land.

31.56 Trail: bears N. 30° E.; Leave valley, enter low rolling chop hills.

39.06 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.: dig pits 18 x 18 x 12 ins. E. and 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. sq. 12 ins. in the ground. marked ¼ S., on N. face.

79.06 The cor. of secs. 5. 6. 7. and 8.
Land; rolling, and broken.
Soil, sandy; 3rd rate.

August 15, 1896.

N. 0°08' W. bet. secs. 5 and 6.
Descend over low foot hills.

17.00 Enter valley; bears E. and W.

27.40 Trail: bears N. 70° E.

34.00 Leave valley: ascend along S. slope of range, over ridges.

Chains.

40.00 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.: dig pits 18 x 18 x 12 ins. N. and S. of 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. sq. 12 ins. in the ground. marked ¼ S., on W. face.

52.00 Top of ascent, 100 ft. high; thence over broken ground.

78.00 Begin descent.

80.10 Intersect S. bdy. of Tp. 22 N., R. 31 W. N. 89°53' W. 94 lks. dist. from the cor. of secs. 31 and 32.
Deposit a charred stake 12 ins. in the ground for closing cor. of secs. 5 and 6: dig pits 24 x 18 x 12 ins. crosswise on each line E., W., and S. of cor. 4 ft. dist. and raise a mound of earth 4 ft. base 2 ft. high. over deposit.
In E. pit. drive an oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground. marked
CCT 21 N & 31 W. on S.
S 5, on E. and
S 6, on W. faces. with 5 grooves on E. and 1 groove on W. faces.
Land; rolling, and broken.
Soil, sandy; 3rd rate

August 19, 1896.

— General Description. —

The S. half of Tp. consists of ranges of sand hills, with basin-like valleys, between.
The northern portion consists of very broken ranges of sand hills, and narrow valleys.
No timber in Tp. except a small amount of plum. and cherry bushes.
The vegetation consists of a sand, and buffalo grass.

Willard W. Alt.
U. S. Surveyor.

August 19, 1896.

Final Oaths of Deputy Surveyor and his Assistants.

LIST OF NAMES.

A list of the names of the individuals employed by .....

....., United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of .....

.....

showing the respective capacities in which they acted:

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

....., United States Deputy Surveyor, in surveying all those parts or portions of the .....

.....

.....

..... of the ..... base and ..... meridian, ... of ....., which 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 United States Surveyor General for .....

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

Subscribed and sworn to before me this .....
day of ....., 189

SEAL

.....

.....

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Final Oath of United States Deputy Surveyor.

I, ..., United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from ....., United States Surveyor General for ....., bearing date of the ..... day of ....., 189 , I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for ....., the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of .....

..... of the ..... base and ..... meridian, in the ..... of ....., which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for ..... and in the specific manner described in the field notes, and that the foregoing are the original 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.

United States Deputy Surveyor.

Subscribed by said ....., and sworn to before me this ..... day of ....., 189

SEAL

APPROVAL.

~~Office of the United States Surveyor General,~~

General Land Office, October 22, 1897

The foregoing field notes of the survey of The Subdivision Lines of Township No. 21 North, Range 31 West, of the 6th Principal Meridian, State of Nebraska, as

executed by Willard W. Alt, United States Surveyor under his contract ~~No.~~ ....., dated January 26, 1895, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Binger Hermann
Commissioner ~~and Ex Officio~~ *United States Surveyor General.*

I certify that the foregoing transcript of the field notes of the above-described surveys in the State of Nebraska, has been correctly copied from the original notes on file in this office.

Binger Hermann
Commissioner ~~United States Surveyor General.~~
General Land Office

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"Duplicate" Rec'd June 1 1903 R. H.

Ok

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...ved with letter from W. W. Alt, U.S. Surveyor, dated February 1, 1897.
...eived by letter "E" Feb. 25th 1898.

4—679.

FIELD NOTES

OF THE SURVEY OF

Subdivision and Claim Lines of Township No. 22 N., Range 31 W.

Of the 6th Principal Meridian,

State of Nebraska

AS SURVEYED BY

Willard W. Alt, *United States Deputy Surveyor,*

Under his Contract No. ....., *dated* January 26, 1895

Survey commenced August 19, 1896

Survey completed August 27, 1896

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General Land Office • Original Field Notes

Book Number

776

W.W. Alt Subdivision of T 21 N - R 31 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.