General Land Office • Original Field Notes

Book Number

776

W.W. Alt Subdivision of T 21 N - R 32 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.

219

"Duplicate"

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

Received by letter "E" Feb. 25th 1898.

4—679.

Ex'd June 4 1903

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220

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FIELD NOTES

OF THE SURVEY OF

Subdivision and Claim Lines of Township No. 21 N., Range 32 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 July 28, 1896

Survey completed August 6, 1896

6—151

Names and Duties of Assistants.

Sidney Blount, Chainman
Frank H. Dratt, Chainman
Fred D. Stratton, Flagman
Harry R. Knapp, Mounduman
Albert Niemoth, Mounduman

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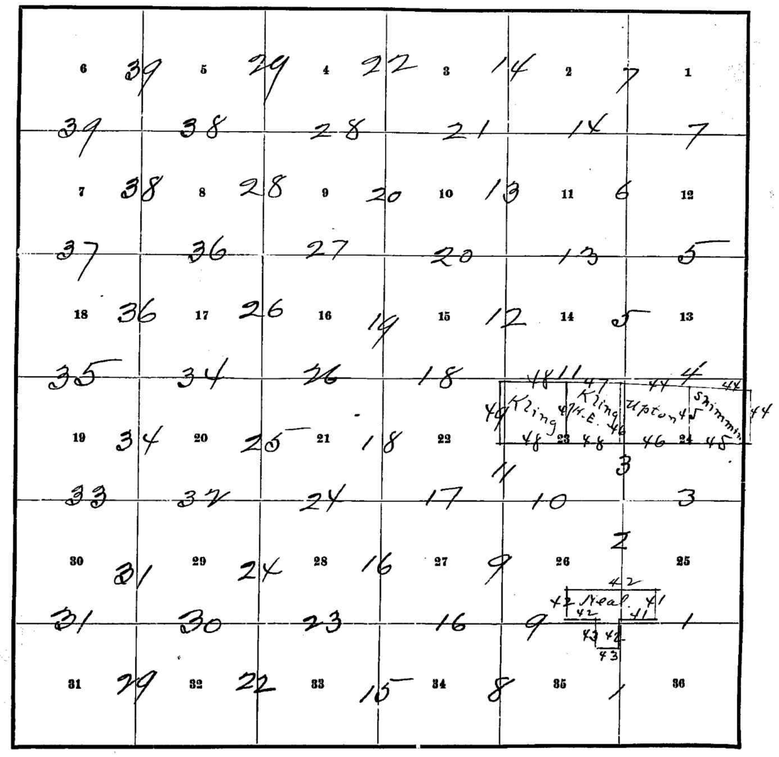
INDEX DIAGRAM.

Township 21 N., *Range* 32 W.



Meanders Page

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. 32 W.

Chains.	
	All the initial meridional section lines of this Tp. were turned from the tangent run along the 5th Standard Parallel through this range.
	N. 0° 01' W. bet. secs. 35 and 36. Descend over rolling ground.
12.00	Bottom of descent, in pass, E. & W.: ascend.
39.00	Top of ascent on low hill: descend along NE. slope.
40.00	Deposit a charred stake 12 ins. in the ground for 1/4 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 1/4 S. on W. face.
48.00	Bottom of descent: enter level ground, NW & SE.
79.80	Trail: bears N. 75° W.
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 S.E. pit drive an oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked T21N S25, on NE. R32W S36, on SE. S35, on SW. and S26, on NW. faces, with 1 notch on S. and E. edges. Land: level and rolling. Soil: sandy: 3rd rate
	S. 89° 40' E. on a random line bet. secs. 25 & 36.
40.00	Set temp. 1/4 sec. cor.
80.26	Intersect E. bdy. of Tp. 12 lks. N. of the cor. of secs. 25, 30, 31, and 36.

Chains.

Thence I run
N. 89° 35' W. on true line bet. secs. 25 & 36.
Ascend along E. face.
0.70 Top of range, 100 ft. above valley; thence over broken ground.
40.13 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. sq. 12 ins. in the ground, marked
¼ S., on N. face.
59.00 Begin descent along W. slope.
63.00 Bottom of descent; enter level ground, N. & S.
75.25 Trail, Mullen to Ogalalla, bears N. and S.
80.26 The cor. of secs. 25, 26, 35, and 36.
Land: level, and broken.
Soil, sandy; 3rd rate.

N. 0° 01' W. bet. secs. 25 and 26.
Over level land.
23.00 Begin ascent along S. slope.
35.00 Top of ascent, 50 ft.; on spur of range, E. & 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 descent along NE. slope.
50.00 Bottom of descent, in depression; ascend along S.E. slope.
79.00 S. edge of sand blowout.
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.

Chains.

In S.E. pit, drive an oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked
T 21 N S 24, on NE.
R 32 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. edges.
Land: level, and broken.
Soil, sandy; 3rd rate.

S. 89° 35' E. on a random line bet. secs. 24 & 25.
40.00 Set temp. ¼ sec. cor.
80.20 Intersect E. bdy. of Tp. 17 lks. S. of the cor. of secs. 19, 24, 25, and 30.
Thence I run
N. 89° 42' W. on true line bet. secs. 24 and 25.
Ascend along NE. slope of range.
25.00 Top of ascent, 75 ft. thence over broken ground.
35.00 Descend along W. 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 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.
65.20 Trail, bears N. & S.; at bottom of descent; ascend along E. slope.
78.80 E. edge of blowout; descend.
80.20 The cor. of secs. 23, 24, 25, and 26.
Land, broken.
Soil, sandy; 3rd rate.

N. 0° 01' W. bet. secs. 23 and 24.
Ascend.
2.50 Top of ascent, on range; E. and W.
16.00 Begin descent along NE. slope.
40.00 Deposit a charred stake 12 ins. in the ground

Chains.

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.

43.50 Enter plowed land - E & W, at bottom of descent.
73.60 Leave " "
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
T21N S13. on NE.
R32W S24. on SE.
S23. on SW. and
S14. on NW. faces with 3 notches on S. and 1 notch 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 W. of cor.
Upton's cod house bears S. 31°37' E.
Land: rolling. and broken.
Soil. sandy: 3rd rate

S. 89°42' E. on a random line bet. secs. 13 & 24.
40.00 Set temp. ¼ sec. cor.
79.98 Intersect E. bdy. of Tp. 2 lks. N. of the cor. of secs 13. 18. 19. and 24.
Thence 2 mm
N. 89°41' W. on true line bet. secs. 13 and 24.
Over low foothills, along S. slope.
32.00 Enter creek of valley.
35.90 Trail. Ogalalla to Mullen; bears N. 30° W.
39.99 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.
46.00 Leave valley; thence over low rolling foot hills.

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

N. 0°01' W. bet. secs. 13 and 14.
Over rolling ground.
12.00 Begin ascent, along S. slope.
30.00 Top of ascent. 75 ft.; thence over 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.
43.00 Begin descent, along N. slope.
67.00 Bottom of descent, in pass: E. and W.; thence ascend along S. slope of low hills.
79.00 Top of ascent. 50 ft.; descend along NE. slope.
80.00 Deposit a charred stake 12 ins. in the ground for cor. of secs. 11. 12. 13. and 14: 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 S12. on NE.
R32W S13. on SE.
S14. on SW. and
S11. on NW. faces. with 4 notches on S. and 1 notch on E. edges.
Land: rolling. and broken.
Soil. sandy: 3rd rate.

S. 89°41' E. on a random line bet. secs. 12 & 13.
40.00 Set temp. ¼ sec. cor.
79.80 Intersect E. bdy. of Tp. 6 lks. S. of the cor. of secs. 7. 12. 13. and 18.

Chains.

Thence I run
N. 89°44' W. on true line bet. secs. 12 and 13.
Over rolling valley land.
9.40 Trail to Mullen: bears N.E. & S.W.
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.
58.00 Begin ascent along E. slope on rolling ground.
79.80 The cor. of secs. 11, 12, 13, and 14.
Land: level, and rolling.
Soil, sandy; 3rd rate

July 28, 1896.

N. 0°01' W. bet. secs. 11 and 12.
Descend over broken ground.
4.00 Bottom of descent, in pass. E. & W.: ascend over broken ground.
37.00 Top of ascent: thence 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.
45.00 Begin descent, over broken ground.
77.00 Enter pass: bears S. 70° E.
80.00 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 oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked

Chains.

T 21 N S 1, on N.E.
R 32 W S 12, on S.E.
S 11, on S.W. and
S 2, on N.W. faces, with 5 notches on S. and 1 notch on E. edges.
Land, broken.
Soil, sandy; 3rd rate.

S. 89°44' E. on a random line bet. secs. 1 & 12.
40.00 Set temp. ¼ sec. cor.
80.06 Intersect E. bdy. of Tp. 6 lks. N. of the cor. of secs. 1, 6, 7, and 12.
Thence I run
N. 89°41' W. on true line bet. secs. 1 and 12.
Over low foot hills.
12.05 Trail, Mullen to Ogalalla: bears N. 20° W.: begin ascent.
17.70 Sand bluff or peak, 50 ft. high: descend over broken ground.
36.00 Enter rolling ground.
40.03 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.
66.00 Ascend over foot hills.
70.00 Top of ascent: thence over rolling ground.
80.06 The cor. of secs. 1, 2, 11, and 12.
Land: rolling and broken.
Soil, sandy: 3rd rate.

N. 0°01' W. on a random line bet. secs. 1 and 2.
40.00 Set temp. ¼ sec. cor.
80.12 Intersect N. bdy. of Tp. 7 lks. E. of the cor. of secs. 1, 2, 35, and 36.
Thence I run

Chains.

S. 0°04' E. on true line bet. secs. 1 and 2.
Descend along S. slope, over broken ground.
22.00 Bottom of descent; thence over broken foothills.
40.12 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.
58.00 Descend from low bluff, over rolling ground.
80.12 The cor. of secs. 1, 2, 11, and 12.
Land, broken.
Soil, sandy; 3rd rate.

August 4, 1896.

N. 0°02' W. bet. secs. 34 and 35.
Descend over rolling ground.
16.00 Bottom of descent, in pass: E. and W.; ascend along S. slope of range.
39.00 Top of ascent, 50 ft.; thence over broken ground
Range bears 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 descent along N. slope of range.
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

Chains.

T 21 N S 26, on NE,
R 32 W 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; rolling, and broken.
Soil, sandy 3rd rate.

S. 89°40' E. on a random line bet. secs. 26 & 35.
40.00 Set temp. ¼ sec. cor.
80.04 Intersect N. and S. line at the cor. of secs. 25, 26, 35, and 36.
Thence S. on
N. 89°40' W. on true line bet. secs. 26 & 35,
Over level land.
1.15 Trail; bears N. 75° W.
4.20 Enter N. end of plowed land.
13.00 Leave plowed land.
30.00 Leave valley; ascend along N.E. slope of range.
40.02 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.
71.50 Top of ascent on ridge, N. & S.; descend slightly.
80.04 The cor. of secs. 26, 27, 34, and 35.
Land; level, and broken.
Soil, sandy; 2nd & 3rd rate.

N. 0°02' W. bet. secs. 26 and 27.
Descend over rolling ground.
18.75 Trail at bottom of descent; bears N. 80° W.
ascend along S.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

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.

46.00 Top of ascent. 75 ft.: thence along W. slope.

55.00 Begin descent along N. slope of range.

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
T21N S23. on NE.
R32W S26. on SE.
S27. on SW. and
S22. on NW. faces. with 2 notches on S. and E. edges.
Land; broken.
Soil, sandy: 3rd rate.

S. 89° 40' E. on a random line bet. secs. 23 & 26.

40.00 Set temp. ¼ sec. cor.

80.12 Intersect N. & S. line 5 lks. N. of the cor. of secs. 23. 24. 25. and 26.
Thence I run
N. 89° 38' W. on true line bet. secs. 23 and 26.
Descend along N. slope of range.

23.00 Trail. bears N. 80° E. at bottom of descent.
ascend over rolling ground.

40.06 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.

45.00 Top of ascent: thence over low hills.

80.12 The cor. of secs. 22. 23. 26. and 27.
Land; rolling and broken. Soil, sandy: 3rd rate.

Chains.

N. 0° 02' W. bet. secs. 22 and 23.
Ascend along S. slope. of range.

12.00 Top of ascent on ridge 40 ft. above cor.: thence descend along N. 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.

52.00 Enter valley: E. and W.: thence over nearly level ground.

80.00 Deposit a charred stake 12 ins in the ground for cor. of secs. 14. 15. 22. and 23: 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 S14. on NE.
R32W S23. on SE.
S22. on SW. and
S15. on NW. faces. with 3 notches on S. and 2 on E. edges.
Land; level. and broken.
Soil. sandy: 3rd rate.

S. 89° 38' E. on a random line bet. secs. 14 & 23.

40.00 Set temp. ¼ sec. cor.

80.00 Intersect N. & S. line 6 lks. S. of the cor. of secs. 13. 14. 23. and 24.
Thence I run
N. 89° 41' W. on true line bet. secs. 14 and 23.
Over nearly level land.

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.

Subdivision of T. 21 N. R. 32 W.

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.

80.00 The cor. of secs. 14, 15, 22, and 23.
Land, level.
Soil, sandy; 2nd rate.

N. 0° 02' W. bet. secs. 14 and 15.
Over level land.

5.20 Trail; bears N. 70° W.

17.00 Begin ascent along S. slope of range, 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.

43.50 Top of range, 75 ft.; bears E. & W.; thence over broken ground.

48.00 Begin descent along N. slope.

78.15 Trail, bears N. 50° W.

80.00 Deposit a charred stake 12 ins. in the ground for cor. of secs. 10, 11, 14, and 15; 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 11. on NE.
R 32 W S 14. on SE.
S 15. on SW. and
S 10. on NW. faces, with 4 notches on S. and 2 on E. edges.
Land: level, and broken.
Soil, sandy; 3rd rate.

Subdivision of T. 21 N. R. 32 W.

Chains.

S. 89° 41' E. on a random line bet. secs. 11 & 14.

40.00 Set temp. ¼ sec. cor.

80.08 Intersect N. & S. line 7 lks. S. of the cor. of secs. 11, 12, 13, and 14.
Thence I run
N. 89° 44' W. on true line bet. secs. 11 and 14.
Ascend along NE. slope.

3.00 Top of ascent, 30 ft. above cor.; descend along W. slope.

36.00 Bottom of descent; thence over rolling foot hills, along N. slope of range.

40.04 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. 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.

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

July 24, 1846.

N. 0° 02' W. bet. secs. 10 and 11.
Over level land.

21.00 Begin ascent 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. & 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, 100 ft. above valley.

56.50 Begin descent along N. slope.

80.00 Deposit a charred stake 12 ins. in the ground for cor. of secs. 2, 3, 10, and 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.

Chains

In S.E. pit, drive an oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground. marked
T21N S2. on NE.
R32W S11. on SE.
S10. on SW. and
S3. on NW. faces. with 5 notches on S. and 2 on E. edges.
Land: level and broken.
Soil. sandy: 3rd rate.

S. 89°44' E. on a random line bet. secs. 2 and 11.
40.00 Set temp. ¼ sec. cor.
80.00 Intersect N. & S. line at the cor. of secs. 1. 2. 11. and 12
Thence S. on
N. 89°44' W. on true line bet. secs. 2 and 11.
Over rolling land.
10.00 Begin ascent along N.E. slope.
24.00 Top of ascent 80 ft. above valley; thence along N. face of range.
40.00 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.
46.00 Begin gradual descent along N. slope.
80.00 The cor. of secs. 2. 3. 10. and 11.
Land: broken. and rolling.
Soil. sandy: 3rd rate.

N. 0°12' W. on a random line bet. secs. 2 and 3.
40.00 Set temp. ¼ sec. cor.
80.20 Intersect N. bdy. of Tp. 4 lks. E. of the cor. of secs. 2. 3. 34. and 35.
Thence S. on
S. 0°04' E. on true line bet. secs. 2 and 3.

Chains

Over rolling land.
2.00 Begin ascent along N. slope, over broken ground.
39.00 Top of ascent on range, 75 ft. high: bears E. & W.
40.20 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.
60.00 Descend abruptly. along S. slope.
74.00 Bottom of descent; thence over rolling ground
80.20 The cor. of secs. 2. 3 10. and 11.
Land: broken.
Soil. sandy: 3rd rate
August 4, 1896.

N. 0°03' W. bet. secs. 33 and 34.
Descend gradually, along N.E. slope of range.
21.00 Bottom of descent; enter valley. bearing NW. & SE.
24.40 Trail; bears N. 60° 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.
58.00 Leave valley; ascend along S. slope of range
79.00 Top of range, 80 ft high; bears N. 80° W.
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
T21N S27. on NE.
R32W S34. on SE.
S33. on SW. and
S28. on NW. faces. with 1 notch on

Chains.

S. and 3 notches 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: level, and broken.
Soil: sandy: 3rd rate.

N. 89°47' E. on a random line bet. secs. 27 & 34.
40.00 Set temp. ¼ sec. cor.
80.22 Intersect N. and S. line 10 lks. N. of the cor. of secs. 26. 27. 34. and 35.
Thence I run
S. 89°51' W. on true line bet. secs. 27. and 34.
Along N. slope of range, over rolling ground.
40.11 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 Descend slightly.
65.00 Bottom of descent, in pass. bearing N. & S. ascend slightly.
80.22 The cor. of secs. 27. 28. 33. and 34.
Land: rolling, and broken.
Soil, sandy: 3rd rate.

N. 0°03' W. bet. secs. 27 and 28.
Over broken ground, along top of range.
12.00 Begin descent along NE. slope.
32.00 Bottom of descent, in pass bearing NW. & SE. 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. 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.

Chains

sq. 12 ins. in the ground. marked
¼ S., on W. face.
56.00 Top of ascent on W. face of range: thence over ridges and ravines.
73.00 Begin descent, along NW. slope.
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 SE. 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 32 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: rolling, and broken.
Soil. sandy: 3rd rate.

N. 89°51' E. on a random line bet. secs. 22 & 27.
40.00 Set temp. ¼ sec. cor.
80.12 Intersect N. and S. line 10 lks. of the cor. of secs. 22. 23. 26. and 27.
Thence I run
S. 89°47' W. on true line bet. secs. 22 and 27
Over broken ground. along top of range.
14.00 Begin descent, along N. slope.
36.00 Bottom of descent; 80 ft. below cor.: ascend along NE. slope over rolling ground.
40.06 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.
57.00 Top of ascent, on ridge: NW. & SE.: descend along NW. slope.

Chains.

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

N. 0°03' W. bet. secs. 21 and 22.
Descend along NW. slope.
37.00 Bottom of descent, in pass; 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. 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.
64.50 Top of ascent, on sand peak, 75 ft. above pass. descend gradually, along NW. slope.
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. 15, 16, 21, and 22. marked
T 21 N S 15, on NE.
R 32 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 N. of cor.
Land: broken.
Soil: sandy; 3rd rate.

N. 89°47' E. on a random line bet. secs. 15 & 22.
40.00 Set temp. ¼ sec. cor.
80.04 Intersect N. & S. line 22 chs S. of the cor. of secs. 14, 15, 22, and 23.
Thence I run
S. 0°32' W. on true line bet. secs. 15 and 22.
Over rolling valley.
40.02 Deposit a charred stake 12 ins. in the ground

Chains.

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.
52.00 Ravine, or pass: bears N. & S.: ascend along NE. slope.
60.00 Top of ascent, 80 ft. above valley: thence along N. face of range.
73.40 Descend along NW. slope.
80.04 The cor. of secs. 15, 16, 21, and 22.
Land: rolling, and broken.
Soil: sandy; 3rd rate.

N. 0°03' W. bet. secs. 15 and 16.
Descend gradually.
16.60 Trail, in pass: E. & 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. 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.
56.00 Top of range, 100 ft. high: bears E. & W.
64.00 Begin descent, along N. slope.
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. 4½ 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 10, on NE.
R 32 W S 15, on SE.
S 16, on SW. and
S 9, on NW. faces, with 4 notches on S.

Subdivision of T. 21 N., R. 32 W.

chains.

and 30 on E. edges.
Land: broken.
Soil: sandy; 3rd rate.

N. 89° 38' E. on a random line bet. secs. 10 & 15.

40.00 Set temp. ¼ sec. cor.

80.00 Intersect N. & S. line 22 lks. S. of the cor. of secs. 10, 11, 14, and 15.

Thence S. on

S. 89° 47' W. on true line bet. secs. 10 and 15.

Over low foot hills, along N. slope of range.

2.10 Trail: bears NW.

34.00 Ascend along N.E. slope.

40.00 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.

43.00 Top of ascent: thence along N. slope of range over ridges and ravines.

80.00 The cor. of secs. 9, 10, 15, and 16.

Land: broken.
Soil: sandy: 3rd rate

July 31, 1896.

N. 0° 03' W. bet. secs. 9 and 10.

Over broken ground.

7.00 Begin descent, along N. slope.

18.00 Bottom of descent, in pass: bears E. and W.

20.00 Begin ascent along S. slope; 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.

Subdivision of T. 21 N., R. 32 W.

chains

45.00 Top of ascent, 150 ft. above valley; on range bearing E. and W.

65.00 Begin descent along N. slope of range.

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. 3, 4, 9, and 10. marked

T 21 N S 3. on NE.
R 32 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 4 ft. base 2 ft. high W. cor.

Land: broken.
Soil: sandy; 3rd rate.

N 89° 47' E. on a random line bet. secs. 3 and 10.

40.00 Set temp. ¼ sec. cor.

80.18 Intersect N. and S. line at the cor. of secs. 2, 3, 10, and 11.

Thence S. on

S. 89° 47' W. on true line bet. secs. 3 and 10.

Over low rolling foot hills.

21.00 Trail: bears N. 30° W.; ascend abruptly along NE. slope.

27.00 Top of abrupt ascent: thence along N. slope of range.

40.00 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.

80.18 The cor. of secs. 3, 4, 9, and 10.

Land: broken.
Soil: sandy: 3rd rate.

Chains.

N. 0°03' W. on a random line bet. secs. 3 and 4.

40.00 Set temp. ¼ sec. cor.

80.40 Intersect N. bdy. of Tp. 18 lks. E. of the cor. of secs. 3. 4. 33. and 34.

Thence I run

S. 0°11' E. on true line bet. secs. 3 and 4.

Ascend gradually, along W. slope.

31.00 Top of range 100 ft. high: bears E. and W.

40.40 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 Descend along S. slope.

70.00 Bottom of descent in ravine or pass: E. and W.: ascend slightly.

80.40 The cor. of secs. 3. 4. 9. and 10.

Land, broken.

Soil, sandy; 3rd rate.

August 4, 1896.

N. 0°04' W. bet. secs. 32 and 33.

Ascend over broken ground.

21.00 Top of ascent, 50 ft. above cor., on low range. E. and W.; thence over rolling ground.

30.00 Begin descent over rolling 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.

58.00 Enter rolling valley.

58.80 Trail: bears N. 70° W.

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

Chains.

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 28. on NE.

R 32 W S 33. on SE.

S 32. on SW. and

S 29. on NW. faces, with 4 notches on E. and 1 notch on S. edges.

Land: broken.

Soil, sandy; 3rd rate.

S. 89°41' E. on a random line bet. secs. 28 & 33.

40.00 Set temp. ¼ sec. cor.

79.86 Intersect N. and S. line 12 lks. N. of the cor. of secs. 27. 28. 33. and 34.

Thence I run

N. 89°36' W. on true line bet. secs. 28 and 33.

Ascend over rolling ground along top of range.

12.00 Top of ascent, on range 75 ft. high: descend along SW. face, over broken ground.

37.00 Bottom of descent: thence along S. face, over rolling ground.

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.

55.00 Begin descent.

68.00 Bottom of descent: enter rolling valley NW & SE.

79.86 The cor. of secs. 28. 29. 32 and 33.

Land: rolling, or broken.

Soil, sandy; 2nd and 3rd rate.

Chains.

N. 0°04' W. bet. secs. 28 and 29.
Ascend along S.E. slope of range.
18.00 Top of ascent, 100 ft.: on edge of bluff: thence along top of range, over broken ground
38.00 Begin descent, along N.E. 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.
55.00 Enter rolling land.
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 32 W S 28, on SE.
S 29. on SW. and
S 20. on NW. faces. with 4 notches on E. and 2 on S. edges.
Land: rolling and broken.
Soil, sandy: 3rd rate.

S. 89°36' E. on a random line bet. secs. 21 and 28.
40.00 Set temp. ¼ sec. cor.
80.00 Intersect N. and S. line 3 lks. N. of the cor. of secs. 21. 22. 27. and 28.
Thence l. run
N. 89°35' W. on true line bet. secs. 21 and 28.
Descend slightly along W. slope of range.
11.00 Bottom of descent, in pass: bears NE. & SW. ascend along SE. slope of low range.
24.00 Top of ascent. 75 ft. high: thence along top of range.

Chains.

40.00 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.
59.00 Begin descent along W. slope.
70.00 Enter rolling valley: bears NW. and SE.
80.00 The cor. of secs. 20. 21. 28 and 29.
Land: broken.
Soil, sandy: 3rd rate.

N. 0°04' W. bet. secs. 20 and 21.
Over rolling valley.
12.00 Begin ascent, over low hills.
23.00 Top of ascent: descend over rolling foot hills.
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.
59.50 Trail: in pass: bears NE. and SW.: thence over rolling foot hills.
67.00 Enter neck of valley. N. 60° W.
73.00 Leave valley: ascend along S. slope of range.
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 32 W S 21, on SE.
S 20. on SW. and
S 17. on NW. faces. with 4 notches on

Chains.

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

S. 89°35' E. on a random line bet. secs. 16 & 21.
40.00 Set temp. ¼ sec. cor.
80.10 Intersect N. and S. line 24 lks. S. of the cor. of secs. 15. 16. 21. and 22.
Thence I run
N. 89°45' W. on true line bet. secs. 16 and 21.
Descend along W. slope of range, over rolling ground.
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.
51.35 Trail: bears N. 60° E. at bottom of descent
thence over low foot hills, along S. slope of range.
80.10 The cor. of secs. 16. 17. 20. and 21.
Land: broken.
Soil, sandy; 3rd rate.

N. 0°04' W. bet. secs. 16 and 17.
ascend.
25.00 Top of ascent; thence over broken ground over low range of hills.
37.00 Begin descent 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. 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.
48.00 Bottom of descent; enter narrow valley; E. and W.
64.50 Trail; bears E. and W.
70.00 Leave valley; ascend along S. slope.
79.00 Top of ascent; 50 ft.; on S. face 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 32 W S 16. on SE.
S 17. on SW. and
S 8. on NW. faces. with 4 notches on E. and S. edges.
Land: level, and broken.
Soil. sandy; 3rd rate.

S. 89°45' E. on a random line bet. secs. 9 and 16.
40.00 Set temp. ¼ sec. cor.
80.10 Intersect N. and S. line 43 lks. N. of the cor. of secs. 9. 10. 15. and 16.
Thence I run
N. 89°27' W. on true line bet. secs. 9 and 16.
Over broken ground, along top of range.
5.00 Begin gradual descent, along W. slope.
33.00 Bottom of descent; thence over rolling valley land
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.
59.00 Leave valley; ascend along S.E. slope of range.
80.10 The cor. of secs. 8. 9. 16. and 17.
Land: rolling and broken.
Soil. sandy; 3rd rate.

August 1. 1896.

Chains.

N. 0°04' W. bet. secs. 8. and 9.
Ascend abruptly, over broken ~~sand bluffs~~.
16.00 Top of ascent on bluff, 150 ft. high. Thence over 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.
65.50 Begin gradual descent along N. slope.
80.00 Deposit a charred stake 12 ins. in the ground for cor. of secs. 4. 5. 8. and 9; 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 S4. on NE.
R32W S9. on SE.
S8. on SW. and
S5. on NW. faces, with 4 notches on E. and 3 on S. edges.
Land, broken.
Soil, sandy; 3rd rate.

S. 89°27' E. on a random line bet. secs. 4 and 9.
40.00 Set temp. ¼ sec. cor.
80.12 Intersect N. and S. line at the cor. of secs. 3. 4. 9. and 10.
Thence I run
N. 89°27' W. on true line bet. secs. 4 and 9.
Over low ridges and ravines, along N. slope of range.
40.06 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.

Chains.

80.12 The cor. of secs. 4. 5. 8. and 9.
Land, broken.
Soil, sandy; 3rd rate.

N. 0°04' W. on a random line bet. secs. 4 and 5.
40.00 Set temp. ¼ sec. cor.
80.20 Intersect N. bdy. of Tp. 36 lks. E. of the cor. of secs. 4. 5. 32. and 33.
Thence I run
S. 0°19' E. on true line bet. secs. 4 and 5.
Ascend along N. slope.
13.00 Top of ascent.
15.00 Descend along S. slope.
37.00 Bottom of descent, in pass; E. and W.
Ascend along N. slope.
40.20 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.
42.00 Top of ascent, on low range.
62.00 Begin descent along S. slope.
75.00 Bottom of descent; thence over rolling ground.
80.20 The cor. of secs. 4. 5. 8. and 9.
Land, broken.
Soil, sandy; 3rd rate.
August 5, 1896.

N. 0°05' W. bet. secs. 31 and 32.
Over rolling land, sloping W.
6.00 Enter rolling land.
9.20 Trail: N. 70° W.
11.00 Begin ascent, over rolling ground.
25.00 Top of ascent; 50 ft.; thence, over rolling land.
34.00 Begin descent, over rolling land.

Subdivision of T. 21 N., R. 32 W.

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 rolling land.

80.00 Deposit a charred stake 12 ins. in the ground for cor. of secs. 29. 30. 31. and 32; 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 S29. on NE.
R32W S32, on SE.
S31. on SW. and
S30. on NW. faces, with 5 notches on E. and 1 notch, on S. edges.
Land: rolling and broken.
Soil, sandy; 3rd rate

S. 89°41' E. on a random line bet. secs. 29 and 32.

40.00 Set temp. ¼ sec. cor.

79.92 Intersect N. and S. line at the cor. of secs. 28. 29. 32. and 33.
Thence I run
N. 89°41' W. on true line bet. secs. 29 and 32.
Over rolling ground.

1.00 Begin ascent along SE. slope.

8.00 Top of ascent, 40 ft.; thence along S. face of hills.

30.00 Begin descent along SW. slope.

39.96 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.

Subdivision lines of T. 21 N., R. 32 W.

Chains.

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

60.00 Bottom of descent; thence along S. foot hills of range.

76.12 Trail; bears N. 70° W.

79.92 The cor. of secs. 29. 30. 31. and 32.
Land; rolling, and broken.
Soil, sandy; 2nd and 3rd rate.

N. 89°52' W. on a random line bet. secs 30 & 31.

40.00 Set temp. ¼ sec. cor.

78.82 Intersect 4th Guide Meridian 5 lks. N. of the cor. of secs. 25. 30. 31. and 36. which post I insert and mark
T21N S30. on NE. and
R32W S31. on SE. faces, with 1 notch on S. and 5 notches on N. edges.
Thence I run
S. 89°54' E. on true line bet. secs. 30 and 31.
Descend gradually along NE. slope.

7.00 Bottom of descent; thence over rolling valley bet. low ranges.

38.82 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.

78.82 The cor. of secs. 29. 30. 31. and 32.
Land; rolling and broken.
Soil, sandy. 2nd and 3rd rate.

N. 0°05' W. bet. secs. 29 and 30.
Over rolling land.

5.30 Trail; bears E. and N. 60° W.; begin ascent along S. foot hills of range.

25.00 Trail; bears NE.

Chains.

27.00 Same trail; bears NW.; ascend gradually 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.

48.00 Top of ridge; 75 ft. high; thence over level ground on top of range.

66.00 Begin gradual descent, along N. slope.

80.00 Deposit a charred stake 12 ins. in the ground for cor. of secs. 19. 20. 29. and 30: 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
T21NS20, on NE.
R32WS29, on SE.
S 30. on SW. and
S 19. on NW. faces, with 5 notches on E. and 2 on S. edges.
Land; rolling, and broken.
Soil, sandy; 3rd rate.

S. 89°41' E. on a random line bet. secs. 20 & 29.

40.00 Set temp. ¼ sec. cor.

80.04 Intersect N. & S. line at the cor. of secs. 20. 21. 28. and 29.
Thence I run
N. 89°41' W. on true line bet. secs. 20 and 29.
Over rolling ground.

8.00 Begin ascent along S.E. slope.

21.00 Top of ascent; 50 ft.; thence descend along N. slope.

37.00 Bottom of descent, in pass; bears NW. & SE.

40.02 Deposit a charred stake 12 ins. in the ground

Chains.

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 of range.

46.00 Top of ascent; thence along N. slope, over ridges.

80.04 The cor. of secs. 19. 20. 29. and 30.
Land; rolling, and broken.
Soil, sandy; 3rd rate.

N. 89°54' W. on a random line bet. secs. 19 & 30.

40.00 Set temp. ¼ sec. cor.

78.70 Intersect 4th Guide Meridian 30 lks. S. of the old cor. of secs. 19. 24. 25. and 30. which post I invert, and mark
T21NS19, on NE. and
R32WS30 on SE. faces, with 2 notches on S. and 4 on N. edges.
Thence I run
S. 89°42' E. on true line bet. secs. 19 and 30.
Descend along NE. slope of low hills.

18.70 Bottom of descent, in pass; bears NW. & SE.

20.20 Trail; bears N. 30° W.; ascend along NW. slope of range.

38.70 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 Top of ascent; thence along N. slope of range, over low ridges and ravines.

78.70 The cor. of secs. 19. 20. 29. and 30.
Land, broken.
Soil, sandy; 3rd rate.

Chains.

N. 0°05' W. bet. secs. 19 and 20.
Descend gradually, along N. slope.
10.00 Bottom of descent: enter rolling ground
35.15 Trail: bears E. and W.: begin 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. & 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.; thence over broken ground.
65.00 Begin 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. of secs. 17. 18. 19. and 20. marked
T21N S17. on NE.
R32W S20. on SE.
S19. on SW. and
S18. on NW. faces. with 5 notches on E. and 3 on S. 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°41' E. on a random line bet. secs. 17 and 20.
40.00 Set temp. ¼ sec. cor.
80.10 Intersect N. and S. line 6 lks. N. of the cor. of secs. 16. 17. 20. and 21.
Thence I run
N. 89°38' W. on true line bet. secs. 17 and 20.
Descend along Sw. spur of range.
7.00 Bottom of descent: thence over rolling valley land bearing NW. & SE.
34.00 Leave valley; ascend along NE. slope.
40.05 Deposit a charred stake 12 ins. in the ground

Chains

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
113.00 Top of ascent: thence descend slightly, along N. slope of range.
80.10 The cor. of secs. 17. 18. 19. and 20.
Land: broken.
Soil. sandy; 3rd rate.

N. 89°42' W. on a random line bet. secs. 18 and 19.
40.00 Set temp. ¼ sec. cor.
78.65 Intersect 4th Guide meridian, at the cor. of secs. 13. 18. 19. and 24. which post I invert. and mark
T21N S18. on NE. and
R32W S19. on SE. faces. with 3 notches on N. and S. edges.
Thence I run
S. 89°42' E. on true line bet. secs. 18 and 19.
Ascend over low hills.
6.00 Top of ascent: thence over foot hills.
38.65 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. sq. 12 ins. in the ground. marked ¼ S., on N. face.
ascend slightly along NW. slope of range.
78.65 The cor. of secs. 17. 18. 19. and 20.
Land: broken.
Soil. sandy: 3rd rate.

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Chains.

N. 0°15' W. bet. secs. 17 and 18.
Descend gradually, along N. slope of range.
20.00 Bottom of descent, in narrow valley. E. & W.
26.00 Begin ascent along S. 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.
44.00 Top of ascent, 50 ft.: thence along top of low range.
52.00 Descend along N. slope.
71.00 Trail, at bottom of descent: bears N. 80° W.
Ascend along S. slope of range.
80.00 Deposit a charred stake 12 ins. in the ground for cor. of secs. 7. 8. 17 and 18: 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
T21NS8. on NE.
R32WS17. on SE.
S18. on SW. and
S7. on NW. faces. with 5 notches on E. and 4 on S. edges.
Land: broken.
Soil. sandy: 3rd rate.

S. 89° 38' E. on a random line bet. secs. 8 and 17.
40.00 Set temp. ¼ sec. cor.
80.10 Intersect N. and S. line 10 lks. S. of the cor of secs. 8. 9. 16. and 17.
Thence I run
N. 89° 42' W. on true line bet. secs. 8 and 17.
Descend along SW. slope of range.
32.00 Bottom of descent: enter neck of valley.

Chains.

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.
42.00 Leave valley; ascend along SE. slope.
65.00 Top of ascent: thence over broken ground.
80.10 The cor. of secs. 7. 8. 17. and 18.
Land: rolling. and broken.
Soil. sandy: 3rd rate.

N. 89° 42' W. on a random line bet. secs. 7 & 18.
40.00 Set temp. ¼ sec. cor.
78.40 Intersect 4th Guide Meridian 20 lks. S. of the cor. of secs. 7. 12. 13. and 18., which post & inment, and mark
T21NS7. on NE. and
R32WS18. on SE. faces. with 4 notches on S. and 2 on N. edges.
Thence I run
S. 89° 33' E. on true line bet. secs. 7 and 18.
Over rolling land.
38.40 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 Trail. bears N. 80° W.: ascend gradually along SW. slope of range.
78.40 The cor. of secs. 7. 8. 17. and 18.
Land. rolling.
Soil. sandy: 3rd rate.

Chains.

N. 0°05' W. bet. secs. 7 and 8.
ascend along S. face of range.
9.50 Top of range, 150 ft. high.
31.00 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.
60.00 Enter rolling ground.
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 SE. pit drive an oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground. marked
T21N S5. on NE.
R32W S8. on SE.
S7. on SW. and
S6. on NW. faces. with 5 notches on E. and S. edges.
Land: broken.
Soil. sandy; 3rd rate.

S. 89°42' E. on a random line bet. secs. 5 & 8.
40.00 Set temp. ¼ sec. cor.
80.06 Intersect N. and S. line 20 lks. N. of the cor. of secs. 4. 5. 8. and 9.
Thence I run
N. 89°33' W. on true line bet. secs. 5 and 8.
Over broken ground. along N. slope.
7.00 Begin gradual descent.
40.03 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.

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.
49.00 Bottom of descent; thence over low rolling hills.
80.06 The cor. of secs. 5. 6. 7. and 8.
Land. broken.
Soil. sandy; 3rd rate.

N. 89°33' W. on a random line bet. secs. 6 & 7.
40.00 Set temp. ¼ sec. cor.
78.18 Intersect 4th Guide meridian at the cor. of secs. 1. 6. 7. and 12. which post I invert and mark
T21N S6. on NE. and
R32W S7. on SE. faces. with 5 notches on S. and 1 notch on N. edges.
Thence I run
S. 89°33' E. on true line bet. secs. 6 and 7.
Over low rolling hills.
13.20 Trail; bears N. 80° E. and reverse.
38.18 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 S. pit drive an oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground. marked
¼ S., on N. face.
78.18 The cor. of secs. 5. 6. 7. and 8.
Land. broken.
Soil. sandy; 3rd rate.

N. 0°05' W. on a random line bet. secs. 5 and 6.
40.00 Set temp. ¼ sec. cor.
80.00 Intersect N. bdy. of Tp. 20 lks. E. of the cor. of secs. 5. 6. 31. and 32.
Thence I run
S. 0°14' E. on true line bet. secs. 5 and 6.

Subdivision of T. 21 N. R. 32 W.

Chains.

Ascend along N. slope.

16.00 Top of range; bears E. and W.

29.00 Descend 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 ¼ S. on W. face.

64.00 Bottom of descent; enter rolling ground.

75.95 Trail; bears E. and W.

80.00 The cor. of secs. 5. 6. 7. and 8.

Land: broken.

Soil, sandy: 3rd rate.

August 5, 1896.

General Description.

This Tp. consists of rolling sand hills in the southern part, and rough broken ridges in the North, with wide rolling bottoms between the ranges.

The vegetation is bunch and buffalo grasses.

Soil very sandy, and generally unfit for cultivation.

Willard W. Alt
U. S. Surveyor

August 5, 1896

Claim lines of T. 21 N., R. 32 W.

Chains S. 41

The H. E. claim of Hugh E. Neal on secs. 25, 26, and 35 Area 160 acres

From the cor. of secs. 25, 26, 35, and 36 the N.E. cor. of the S. part of claim bears N. 89° 15' W. 2.83 chs. dist. Lat. 4 lks. N. Dep. 2.83 chs. W. Neal's house bears N. 28° 15' W.

Thence S. run

E. along S. bdy. of the N. part of claim Over level land

1.80 Trail, bears N. and S.

16.00 Begin gut'g ascent along W. slope

20.00 Deposit a charred stake 12 ins. in the ground for S.E. cor. of N. part of claim, dig pits 18x18x12 ins. N. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposit

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

Thence S. run

N. along E. bdy. of the N. part of claim

Ascend along W. slope of foot hills

18.00 Top of ascent 40 ft. above cor. thence along W. slope

20.00 Deposit a charred stake 12 ins. in the ground for N.E. cor. of claim, dig pits 18x18x12 ins. S. and W. 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 H. E. N. on S.W. face

Thence S. run

Chains

West along N. bdy.
Descend gradually
5.00 Bottom of descent, enter rolling land
6.00 Trail, bears N. and S.
30.00 Ascend gently, along low foot hills
60.00 Deposit a charred stake 12 ins. in the ground for N. W. cor. of claim, dig pits 18x18x12 ins. E. and S. of cor. 4 ft. dist., and raise a mound of earth 3½ ft. base 1½ ft. high over deposit
In E. pit drive a cedar stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked
H. E. N. on S. E. face
Thence 1 mm

S. along W. bdy of the N. part of claim
Descend
2.00 Bottom of descent in neck of valley
9.00 Ascend gradually along N. E. slope
20.00 Deposit a charred stake 12 ins. in the ground for S. W. cor. of N. part of claim, dig pits 18x18x12 ins. N. and E. of cor. 4 ft. dist. and 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. sq. 12 ins. in the ground, marked
H. E. N. on N. E. face
Thence 1 mm

E. along S. bdy. of the N. part of claim
Descend gently along N. E. slope
20.00 Set temp. N. W. cor. of the S. part of claim

From the point of beginning 1 mm
S. along E. bdy. of S. part of claim
Over level land
20.00 Deposit a charred stake 12 ins. in the ground for S. E. cor. of S. part of claim, dig pits 18x18x12

Chains

ins. N. and W. of cor. 4 ft. dist. and 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. sq. 12 ins. in the ground, marked
H. E. N. on N. W. face
Thence 1 mm

West along S. bdy. of S. part of claim
Over level land
8.00 Ascend gradually along N. E. slope
20.00 Deposit a charred stake 12 ins. in the ground for S. W. cor. of S. part of claim, 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 E. pit drive an oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked
H. E. N. on N. E. face
Thence 1 mm

N. along W. bdy. of S. part of claim
Descend gently along N. E. slope
20.00 The temp. N. W. cor. of S. part of claim
Deposit a charred stake 12 ins. in the ground dig pits 18x18x12 ins. S. and W. 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
H. E. N. on S. E. face
Land, mostly rolling bottom
Soil, sandy 2nd and 3rd rate

Chains S. 37

The H.E. claim of Robert H. Shimmins on Secs. 19, and 24 Rs. 31 and 32 W.
Area 160 acres

The old cor. of Secs. 13, 18, 19, and 24 Rs. 31 and 32 W. which is a flat mound, with cedar stake is the N.E. cor of the claim, which bears S. 4° 35' E. 3.80 chs. dist. from cor. of Secs. 13, 18, 19 and 24
Sat. 3.79 chs. S. Dep. 30 lks. E.
Thence I run
West on a random line
82.06 Fall 4.26 chs. S. of old cor. of Secs. 13, 14, 23 and 24. This old Sec. line is the N. bdy. of this claim, and the H.E. claim of Charles A. Upton, and the length of this N. bdy. is 41.03 chs. and the bearing S. 87° 02' E.
Thence I run
S. 87° 02' E. on true line along N. bdy of the H.E. claim of Charles A. Upton
Over rolling hills
41.03 Deposit a charred stake 12 ins. in ground for N.W. cor. of this claim, and N.E. cor. of C.A. Upton's H.E. claim. dig pits 18x18x12 ins. E. 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
R.H.S. on S.E. and
C.A.U. on S.W. faces
87.06 The N.E. cor. of claim
Sat. of N. bdy. is 7.13 chs. Dep. 41.03 chs. consequently 1600 sq. chs. ÷ by 41.03 gives 39.00 chs. for the mean width of claim and
39.00 + 1.07 is 40.07 chs. for length of W. bdy and
39.00 − 1.07 " 37.93 " " " " E. "
Therefore from the N.E. cor. of the claim I run

South along E. bdy.
Over rolling foot hills sloping S.W.

Chains
8.00 Enter low foot hills
20.08 Wire fence, bears E. and N.
31.50 Trail, bears S. 80° W.
37.93 Deposit a charred stake 12 ins. in the ground for S.E. cor. of claim. 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 E. pit drive an oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked
R.H.S. on N.W. face

From the N.W. cor. of the claim I run South bet. this claim and the H.E. claim of Charles A. Upton
Over rolling bottom
10.00 Enter plowed land.
29.75 Leave " " ascend along N. slope
37.00 Top of ascent
37.93 Deposit a charred stake 12 ins. in the ground for S.E. cor. of Charles A. Upton's H.E. claim, dig pits 18x18x12 ins. N. and W. of cor. 4 ft. dist. and 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. sq. 12 ins. in the ground, marked
C.A.U. on N.W. face
40.07 Deposit a charred stake 12 ins. in the ground for S.W. cor. of claim, dig pits 18x18x12 ins. N. and E. of cor. 4 ft. dist. and 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. sq. 12 ins. in the ground marked
R.H.S. on N.E. face
Thence I run

East, along S. bdy. of the claim
along N. slope
8.00 Enter Valley

Chains
27.05 Wire fence, bears N. and S.
41.03 The S.E. cor. of the claim
Land, rolling
Soil, 2nd rate

S. 38

The H.E. claim of Charles A. Upton on secs. 13 and 24 Area 160 acres

The N. and E. bdys, with the cors. at their extremities are described in the notes of the survey of the H.E. claim of Robert H. Simmons

From the N.W. cor. of the claim I run
S. bet. this claim, and the H.E. claim of John Kling
Over rolling ground
13.20 Trail, bears E. and W.
14.00 Enter flowed field
35.00 Leave " " ascend along N. slope
40.00 Deposit a charred stake 12 ins. in the ground for S.E. cor. of John Kling's H.E. claim, dig pits 18x18x12 ins. N. and W. of cor. 4 ft. dist. and 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. sq. 12 ins. in the ground, marked
J. K. on N.W. and
C. A. U. on N.E. faces
40.07 Deposit a charred stake 12 ins. in the ground for S.W. cor. of claim, dig a pit 18x18x12 ins. E. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposit
Thence I run

East, along S. bdy of the claim
Descend slightly, along N.E. slope of range
10.00 Enter neck of Valley
16.10 Trail, bears S. 30° E. and reverse

Chains
22.80 Trail, bears S. 10° W.
25.00 Ascend along N. slope of range
40.00 Top of ascent
41.03 The S.E. cor. of claim
Land, rolling
Soil, sandy, 2nd and 3rd rate

S. 39

The H.E. claim of John Kling on sec. 13 Area 160 acres.

The E. bdy. is described in the survey of the H.E. claim of Charles A. Upton
The N.E. cor. which is Upton's N.W. cor. is a cedar stake, with 3 notches on S. and 1 notch on E. edge, in a flat mound, and bears S. 89° 35' W. 1.74 chs. dist. from the cor. of secs. 13, 14, 23, and 24. Lat. 1 lk. S., Dep. 1.74 chs. W.
Thence I run
West along N. bdy. of the claim
Over rolling ground, sloping to north
20.00 Enter level land
40.00 Deposit a charred stake 12 ins. in the ground, for N.W. cor. of claim, and the N.E. cor. of John Kling's T.C. claim, dig pits 18x18x12 ins. E. 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
J. K. on S.E. and S.W. faces
Thence I run

South bet. the H.E. and T.C. claims of John Kling
Over level ground
3.40 Trail, bears E. and W.
15.00 Ascent along N. slope over rolling ground
40.00 Deposit a charred stake 12 ins. in the ground for S.W. cor. of claim and S.E. cor. of John Kling's T.C. claim, dig pits 18x18x12 ins. N. and E. of cor.

Chains

4 ft. dist. and 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. sq. 12 ins. in the ground marked
J.K. on N.E. and N.W. faces
Thence I run

East along S. bdy. of the claim
Descend over rolling ground, along N.E. slope
18.75 Trail at bottom of descent, bears N. 20° W.
Ascend along N. slope of range
28.00 Top of ascent
40.00 The S.E. cor. of the claim
Sand, rolling and broken
Soil, sandy 2nd and 3rd rate
August 6, 1896

S. 40

The T.C. claim of John Kling on secs. 22 and 23 Area 160 acres

The E. bdys and the cors. as to extremities are described in the notes of the survey of John Kling's H.E. claim
From the S.E. cor. of the claim I run
West along S. bdy.
Along N. slope, over rolling ground
13.00 Begin descent over rolling ground
35.00 Enter rolling foot hills
40.00 At the temp S.W. cor. of the claim

From the N.E. cor. I run
West along N. bdy of the claim
Over level land
16.00 Trail, bears N. 70° W.
40.00 Deposit a charred stake 12 ins. in the ground for N.W. cor. of the claim, dig pits 18x18x12 ins E. and S. of cor. 4 ft. dist. and raise a mound of

Chains

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
.K. on S.E. face
Thence I run

T.M.'s Cor. bears S. 73° 55' W., 1.80 Chs., dist. from Cor. of Secs. 14, 15, 22 & 23.
Lat. 0.50 Chs., Dep. 1.73 Chs.

South along W. bdy.
Over rolling valley land
26.00 Enter low foot hills
40.00 The temp. S.W. cor. where I deposit a charred stake 12 ins. in the ground, dig pits 18x18x12 ins. N. and E. of cor. 4 ft. dist. and 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. sq. 12 ins. in the ground, marked
J.K. on N.E. face
Sand, rolling
Soil, sandy 2nd rate
August 6, 1896

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

.....

.....

General Land Office • Original Field Notes

Book Number

776

W.W. Alt Subdivision of T 21 N - R 32 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.