# General Land Office • Original Field Notes

## Book Number

# 780

W.W. Alt Subdivision of T 21 N - R 40 W

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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.

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

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# FIELD NOTES

OF THE SURVEY OF

Subdivision and Claim Lines
of
Township No. 21 N., Range 40 W.

RESURVEY OF
SUBDIVISION and
CLAIM LINES
OF
T. 21-24
R. 40 W
and
T. 21-23
R 41 W.
1895

Of the 6th Principal Meridian,

State of Nebraska

AS SURVEYED BY

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

Under his Contract ~~No.~~ , dated December 26 1894.

Survey commenced July 9, 1895.

Survey completed November 8, 1895.

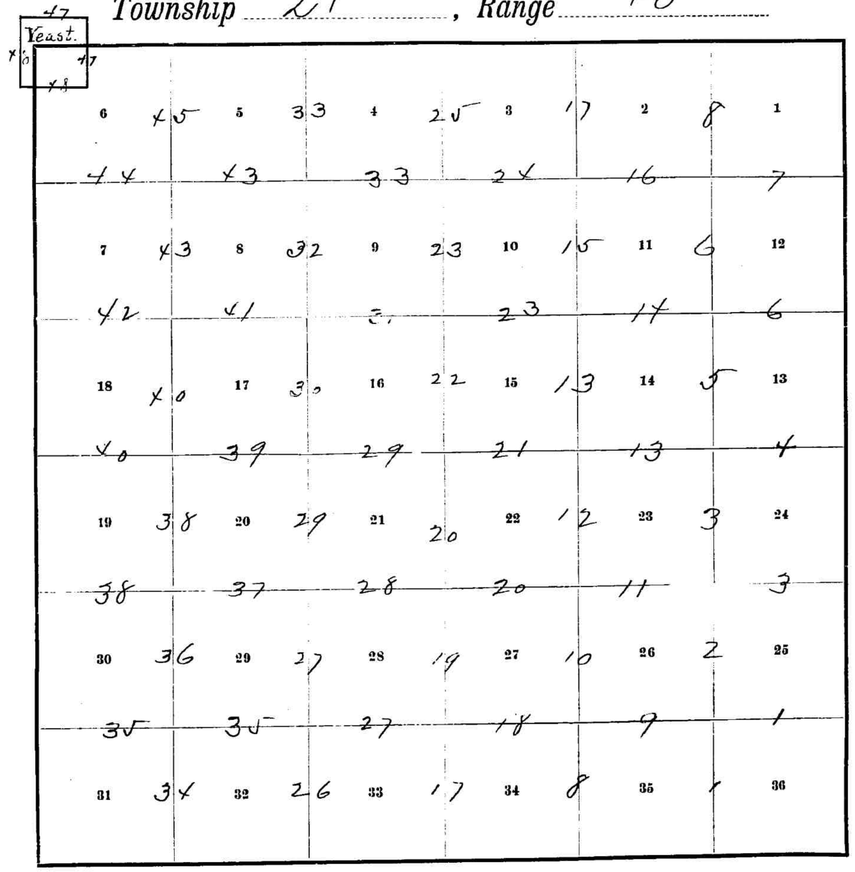
## Names and Duties of Assistants.

Sidney Blout, Chainman.
Clarence P. Haggard, Chainman.
James G. Brown, Flagman.
James C. Rosengren, Moundman.
Theodore Neeland, Flagman in ~~Journey of Chain~~
Albert H. Andrews, Moundman.



## INDEX DIAGRAM.

Township 21, Range 40




Meanders Page

# Preliminary Oaths of Assistants.

WE, .....

.....

.....

do solemnly swear that we will well and faithfully execute the duties of chain carriers; that we will level the chain over even and uneven ground, and plumb the tally-pins either by sticking or dropping the same; that we will report the true distance to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us in the survey of the .....

.....

.....

.....

.....

..... , *Chainman.*

..... , *Chainman.*

..... , *Chainman.*

..... , *Chainman*

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

.....

.....

Gen'l Preliminary oaths of the Chainmen and Chainman Subdivision and Corr. T 21 N. R 39 W

WE, .....

.....

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

.....

.....

.....

.....

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

..... , *Axeman.*

..... , *Axeman.*

.....

.....

6—151

# Subdivision of T 21 N. R 40 W.



| Chains | |
|---|---|
| | I commence at the standard cor. of secs 35 and 36 on the S. bdy of the Twp. |
| | Thence S run |
| | N. 0°01' W. bet. secs 35 and 36. |
| | Over rolling land. |
| 20.00 | Enter neck of valley, bears E. and W. |
| 26.00 | Leave valley: begin steep ascent; bears E and W. |
| 30.00 | Top of ascent on bluff. 30 ft. above valley. |
| | Thence ascend along S. face of the range. |
| 40.00 | Deposited a chamed stake 12 ins. in the ground for ¼ sec. cor. dug pits 18x18x12 ins. N. and S. of cor. 4 ft. dist and raised a mound of earth 3½ ft. base 1½ ft. high over deposit. |
| | In S. pit, drove an oak stake 2 ft. long 2 ins square 12 ins. in the ground, marked ¼ S.: on W. face. |
| 70.00 | Top of ascent on a sand peak 200 feet above valley: thence, descend gently along NE. slope of range, over broken land. |
| 80.00 | Deposited a chamed stake 12 ins. in the ground for cor. of secs. 25. 26. 35. and 36.; dug pits 18x18x12 ins. in each sec 4 ft. dist: and raised a mound of earth 4 ft. base 2 ft. high over deposit. |
| | In S.E. pit, drove an oak stake 2 ft. long 2 ins sq. 12 ins. in the ground, marked |
| | T 21 N S 25. on NE. |
| | R 40 W S 36. on SE. |
| | S 35. on SW. and |
| | S 26. on NW. faces. with 1 notch on S.E. edges. |
| | Land, broken; - Soil. 3rd rate. |
| | N. 89°38' E. on a random line bet. secs. 25 & 36. |
| 40.00 | Set temp. ¼ sec. cor. |
| 80.12 | Intersect E. bdy. of Tp. 16 lks S. of the cor. of secs. 25. 30. 31. and 36. |
| | Thence S run |
| | S. 89°31' W. on true line bet. secs. 25 and 36. |
| | Ascend along S.E. face of range, over broken ground. |

## Subdivision T. 21 N., R. 40 W.

Chains

33.70 Top of ascent, on sand peak 130 ft. above cor.
Descend abruptly along W. slope of ridge into blowout.

40.06 Deposited a charred stake 12 ins. in the ground for ¼ sec. cor. dug pits 18x18x12 ins. E. & W. of cor. 4 ft. dist. and raised a mound of earth 3½ ft. base 1½ ft. high over deposit. In E. pit, drove an oak stake 2 ft. long, 2 ins. sq. 12 ins. in the ground, marked
¼ S. on N. face.
Ascend abruptly along E. slope of ridge.

41.00 Top of ascent on W. edge of blowout 40 ft. above cor.
descend along W. slope of range.

64.00 Bottom of descent in neck of valley; ascend gradually along N.E. slope of range.

80.12 The cor. of secs. 25. 26. 35. and 36.
Land, broken.
Soil, sand; 3rd rate.
Vegetation, sand, and bunch grass.

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N. 0°01' W. bet. secs. 25 and 26.
Descend along N.E. slope.

27.00 Bottom of descent. Enter valley; bears NE. & SW.
Over level land.

40.00 Deposited a charred stake 12 ins. in the ground for ¼ sec. cor. dug pits 18x18x12 ins. N. and S. of cor. 4 ft. dist. and raised a mound of earth 3½ ft. base 1½ ft. high over deposit.
In S. pit drove an oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked
¼ S. on W. face.
Over level bottom land.

51.00 Leave valley; ascend abruptly along SE. slope of range; bears N. 50° E.

60.00 Top of ascent on range 40 ft. above valley; thence along top of range, over rolling ground.

77.00 Begin descent along N. slope, over rolling ground.

80.00 Deposited a charred stake 12 ins. in the ground for cor. of secs. 23. 24. 25. and 26. dug pits 18x18x12 ins in each sec. 4 ft. dist. and raised a mound of earth 4 ft base 2 ft



## Subdivision T. 21 N. R. 40 W. Continued

Chains

high over deposit
In S.E. pit drove an oak stake 2 ft. long, 2 ins. sq., 12 ins in the ground, marked
T. 21 N. S 24 on N.E.,
R. 40 W. S 25 on S.E.,
S. 26 on S.W. and
S 23 on N.W. faces, with 2 notches on S. and E. edges
Land rolling.
Soil, sandy 3rd rate.
Vegetation, bunch grass.

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N 89°31' E on a random line bet. secs 24 and 25.

40.00 Set temp ¼ sec. cor.

79.90 Intersect E. bdy. of Tp. 11 lks. S of cor. of secs. 19. 24, 25, and 30
Thence I run.
S. 89°26 W on a true line bet. secs 24 and 25.
Over rolling land.

39.95 Deposited a charred stake 12 ins in the ground, for ¼ sec. cor. ~~bet. secs. 24 and 25~~; dug pits 18x18x12 ins E. and W. of cor. 4 ft dist.; and raised a mound of earth, 3½ ft. base, 1½ ft. high over deposit.
In E. pit drove an oak stake 2 ft. long 2 ins sq.; 12 ins in the ground, marked.
¼ S on the N. face.
Thence over rolling land

51.00 Foot of range bears NE. and SW. Ascend gradually along the N.E. slope over rolling land

79.90 The cor. of secs. 23. 24, 25 and 26
Land rolling
Soil, sandy 3rd rate.
Vegetation, bunch grass.

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N. 0°1' W. bet. secs 23 and 24
Descend gently along the N. slope of range over rolling land

25.00 Bottom of descent, enter neck of valley.

26.00 Leave valley, ascend along S. slope of range

## Subdivision of T. 21 N R. 40 W — Continued

Chains
40.00 Deposited a charred stake 12 ins. in the ground for ¼ sec. cor., ~~bet. secs 23 and 24~~; dug pits 18X18X12 ins. N. and S. of cor. 4 ft dist; and raised a mounds of earth, 3½ ft. base 1½ ft high over deposit.
On S. pit drove an oak stake 2 ft. long, 2 ins, sq, 12 ins. in the ground, marked.
¼ S. on W. face.
Ascend gradually.
56.00 Top of range 100 ft. bears N. E and S. W, thence over broken land along the top of range
67.00 Begin descent along the N. slope.
80.00 Set an oak post, 3 ft. long 4 ins. sq., with charred stake, 24 ins. in the ground, for cor. of secs. 13, 14, 23, and 24. marked
T. 21 N. S. 13 on N. E.,
R. 40 W. S 24 on S. E.
S 23 on S. W., and
S. 14 on N. W. faces with 3 notches on the S. and 1 notch on the E. edges; dug pits 18X18X12 ins, in each sec., 5½ ft. dist; and raised a mound of earth 4 ft. base, 2 ft. high W. of cor
Land, broken.
Soil sandy 3rd rate.
Vegetation, bunch grass.

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N 89°26' E. on a random line bet secs 13 and 24
40.00 Set temp. ¼ cor.
79.82 Intersect. E bdy. of Tp. 15 lks. S. of cor. of secs 18, 19, 24, and 13
Thence I run.
S 89° 20' W on a true line bet. secs. 13 and 24
Over rolling land
32.00 Ravine bears N 40° W. and S. 40° E.
39.91 Deposited a charred stake 12 ins. in the ground for ¼ sec. cor. ~~bet. secs 13 and 24~~, dug pits 18X18X12 ins. E. and W. of cor. 4 ft dist. and raised a mound of earth 3½ ft base, 1½ ft high over deposit.
In E. pit drove an oak stake 2 ft. long



## Subdivision of T 21 N R 40 W Continued

Chains
2 ins sq. 12 ins in the ground marked
¼ S on N face.
Ascend over rolling land
62.00 Top of ascent on ridge bears N and S
Thence along the N slope over low ridges and ravines.
79.82 The cor. of secs 13. 14. 23 and 24
Land hilly
Soil sandy 3rd rate
~~Vegetation~~. bunch grass

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N 0° 1' W bet. secs. 13 and 14
Descend gradually along the N slope.
20.00 Enter valley bears NE and SW
25.00 Leave valley N 70° E and S 70° W. Ascend gradually along SE slope over rolling land
36.00 Top of ascent 40 ft thence over rolling land
40.00 Deposited a charred stake 12 ins in the ground for ¼ sec cor ~~bet. secs. 13 and 14~~ dug pits 18X18X12 ins N and S of cor 4 ft. dist; and raised a mound of earth 3½ ft base 1½ ft high over deposit
In S pit drove an oak stake 2 ft long 2 ins sq. 12 ins. in the ground marked
¼ S. on W face
Descend along the N.W. slope
47.00 Bottom of descent. Thence over low hills.
80.00 Deposited a charred stake 12 ins in the ground for cor. of secs 11. 12. 13 and 14 and dug pits 18X18X12 ins each section 4 ft dist; and raised a mound of earth 4 ft base 2 ft high over deposit
In S.E pit drove an oak stake 2 ft long 2 ins sq 12 ins in the ground marked
T 21 N S 12 on NE
R 40 W S 13 on SE
S 14 on SW and
S 11. on NW with 4 notches on S and 1 notch on E edges
Land hilly
Soil sandy 3rd rate

## Subdivision of T 21 N R 40 W Continued

Chains. Vegetation buffalo and sand grass

N 89°20 E on a random line bet ~~secs 12~~ and 13
40.00 Set temp ¼ sec cor.
79.84 Intersect E bdy of T.P. 5 lks N of cor. of secs 12 13, 7 and 18
Thence I run
S 89°22' W on a true line bet secs 12 and 13
Over low foot hills
37.00 Enter level land bears N.E. and SW
39.92 Deposited a charred stake 12 ins. in the ground. for ¼ sec cor. ~~bet secs 12 and 13~~, dug pits, 18X18X12 ins E and W of cor. 4 ft dist.; and raised a mound of earth 3½ ft base 1½ ft. high, over deposit
In E. pit drove an oak stake, 2 ft. long 2 ins. sq., 12 ins. in the ground, marked ¼ S. on N. face
62.00 Leave level land, ascend over low hills
65.00 Top of ascent 30 ft. above valley; thence over rolling land.
79.84 The cor. of secs. 11, 12, 13, and 14.
Land; rolling sand hills
Soil, sandy 3rd rate
~~Vegetation~~ sand and bunch grass
F

N 0° 1' W, bet. secs. 11 and 12
Descend over rolling land
1.50 Bottom of descent; ascend gradually ~~over~~ low hills.
13.70 Top of ascent on ridge bears E and W. 40 ft. above cor; thence over low ridges and ravines
40.00 Deposited a charred stake, 12 ins. in the ground, for ¼ sec. cor. ~~bet secs 11 and 12~~; dug pits, 18X18X12 ins. W. and S. of cor. 4 ft. dist.; and raised a mound of earth, 3½ ft. base, 1½ ft. high, over deposit
In S. pit drove an oak stake 2 ft long 2 ins. sq., 12 ins. in the ground, marked



## Subdivision of T 21 N, R. 40 W Continued

Chains.
¼ S. on W. face
Descend over rolling land
41.00 Ravine bears E. and W.
47.00 Enter level land, bears N.E. and S.W.
51.00 Begin ascent along S. slope of range
55.00 Top of ascent 40 ft. high on ridge; thence over low rolling hills.
80.00 Deposited a charred stake 12 ins in the ground for cor. of secs. 1, 2, 11, and 12; dug pits 18X18X12 ins, in each sec., 4 ft. dist., and raised a mound of earth 4 ft base, 2 ft. high over deposit.
In S.E. pit drove an oak stake, 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked
T. 21 N., S 1 on N.E.
R. 40 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. edge.
Land. rolling sand hills. Soil. sandy; 3rd rate.

N 89°22' E. on a random line bet. secs. 1 and 12
40.00 Set temp ¼ sec cor.
80.06 Intersect E. bdy. of Tp. 10 lks. N of cor of secs. 6, 7, 12 and 1.
Thence I run
S 89°26' W on a true line bet secs. 1 and 12.
Over rolling foot hills.
5.00 Begin descent over broken land
17.00 Bottom of descent in ravine; bears N.W and S.E.
Ascend over broken land.
23.00 Top of ascent on ridge; bears N.E. and S.W.
Descend over rolling hills.
40.08 Deposited a charred stake 12 in. in the ground, for ¼ sec. cor. ~~bet secs 1 and 12~~; dug pits 18X18X12 ins. E. and W. of cor. 4 ft. dist.; and raised a mound of earth 3½ ft. base 1½ ft. high, over deposit
In E. pit drove an oak stake 2 ft long 2 ins. sq; 12 ins in the ground, marked ¼ S. on N. face

Subdivision of T. 21 N. R. 40 W — Continued

chains
Ascend over broken land
44.00 Top of ascent on ridge 20' high; bears N.W. and S.E.; thence descend abruptly along W. slope over broken land
65.00 Bottom of descent, ravine; bears N 20° W
Ascend abruptly
72.70 Top of ascent on ridge 40 ft. high; bears N.W. and S.E.; Descend over low ridges and ravines
80.06 The cor. of secs. 1, 2, 11, and 12
Land broken
Soil, sandy 3rd rate
Vegetation, bunch grass

July 9 1895

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N. 0° 1' W. on a random line bet secs. 1 and 2.
40.00 Set temp. ¼ sec. cor.
80.89 Intersect N. bdy. of Tp. 10 lks. W. of cor. of secs 1, 2, 35 and 36.
Thence I run
S 0° 3' W on true bet. secs. 1 and 2
Over rolling bottom land.
40.89 Deposited a charred stake 12 ins. in the ground, for ¼ sec. cor. bet. secs. 1 and 2; dug pits, 18 X 18 X 12 ins., N and S. of cor., 4 ft. dist.; and raised a mound of earth, 3½ ft. base, 1½ ft. high, over deposit
In S. pit drove an oak stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked ¼ S. on W. face
57.00 Leave valley; ascend over low sand hills
77.00 Top of ascent; descend
80.89 The cor of sections 1, 2, 11, and 12
Land, level and rolling
Soil, sandy 3rd rate
Vegetation, bunch grass

Aug 5 1895

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From the standard cor. of secs. 34 and 35 on S. bdy. of the Tp. I run
N 0° 2' W bet secs. 34 and 35



Subdivision of T. 21 N. R. 40 W. Continued

chains
Ascend abruptly along S.E. face of bluff
16.00 Top of ascent, bears N.W. and S.E.; descend along N.E. slope
23.00 Bottom of descent; thence over rolling land; bears N.W. and S.E.
37.00 Enter level land.
40.00 Deposited a charred stake, 12 ins. in the ground for ¼ sec. cor. ~~bet secs 34 and 35~~; dug pits 18 X 18 X 12 ins., N. and S. of cor. 4 ft dist.; and raised a mound of earth, 3½ ft base, 1½ ft. high, over deposit
In S pit drove an oak stake, 2 ft long 2 ins. sq., 12 ins. in the ground, marked ¼ S. on W. face
Over level land
54.00 Begin slight ascent.
77.00 Top of ascent on low range 50 ft above cor.
Descend along N.E. slope over broken land
80.00 Deposited a charred stake, 12 ins. in the ground, for cor. of secs 26, 27, 34 and 35; dug pits 18 X 18 X 12 ins., in each sec 4 ft. dist. and raised a mound of earth, 4 ft base 2 ft high over deposit
In S.E. pit drove an oak stake, 2 ft. long 2 ins. sq., 12 ins. in the ground, marked
T. 21 N. S. 26 on N.E.,
R. 40 W S. 35 on S.E.
S 34 on S.W., and
S 27 on N.W. faces; with 2 notches on the E. and 1 on S. edges.
Land, rolling and level.
Soil, sandy 3rd rate
Vegetation, principally bunch grass

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S. 89° 41' E. on a random line bet. secs. 26 and 35.
40.00 Set temp. ¼ sec. cor.
80.10 Intersect N. and S. line 5 lks. N. of cor. of secs. 25, 26, 35, and 36.
Thence I run

## Subdivision of T. 21 N. R. 40 W. — Continued

chains

N. 89°39' W. on a true line bet. secs. 26 and 35
Ascend along the N. E. face of range
2.00 Top of ascent on bluff; descend along N.W. slope of range over broken land
30.00 Bottom of descent enter valley, bears N.E. and S.W.; thence over level land.
37.00 Begin abrupt ascent along the S.E. slope of range over broken land
40.05 Deposited a charred stake 12 ins. in the ground, for ¼ sec. cor. ~~bet. secs. 26 and 35~~; dug pits 18 x 18 x 12 ins., E. and W. of cor., 4 ft. dist.; and raised a mound of earth, 3½ ft. base, 1½ ft. high, over deposit.
On E. pit drove an oak stake, 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked ¼ S. on N. face.
Ascend gradually.
46.00 Top of ascent on range 20 ft. above ¼ cor.; thence along the N. face of range over low ridges and ravines
67.00 Begin abrupt descent along N.W. slope.
80.10 The cor. of secs. 26. 27. 34, and 35.
Land, hilly
Soil, sandy 3rd rate.
~~Vegetation~~ Buffalo and Bunch grass.

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N. 0°2' W. bet. secs. 26 and 27.
Descend along the N.E. slope
16.00 Bottom of descent, ravine bears N.E. and S.W.
17.00 Ascend along S. slope over rolling land
40.00 Deposited a charred stake 12 ins. in the ground, for ¼ sec. cor. ~~bet. secs. 26 and 27~~; dug pits 18 x 18 x 12 ins; N and S. of cor.; ~~4 ft.~~ dist.; and raised a mound of earth, 3½ ft. base, 1½ ft. high over deposit.
On S. pit drove an oak stake, 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked ¼ S. on W. face
Descend along N.W. slope.
60 Bottom of descent; enter neck of valley, bears



## Subdivision of T. 21 N. R. 40 W. Continued

chains.

N.W. and S.E.
70.00 Leave valley, ascend along S.E. slope of bluff, bears N. 30° E and S. 30° W.
76.00 Top of ascent 40 ft. above valley, thence over rolling land.
80.00 Deposited a charred stake 12 ins. in the ground, for cor. of secs. 22, 23. 26 and 27; dug pits 18 x 18 x 12 ins., in each sec., 4 ft. dist.; and raised a mound of earth, 4 ft. base, 2 ft. high over deposit.
On S.E. pit drove an oak stake, 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked
T. 21 N. S. 23 on N.E.,
R. 40 W. S. 26 on S.E.
S. 27 on S.W., and
S. 22. on N.W. faces; with 2 notches on the S. and E. edges.
Land, hilly
Soil, sandy 3rd rate
Vegetation, principally bunch grass.

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S. 89°39' E. on a random line bet. secs. 23 and 26.
40.00 Set temp ¼ sec. cor.
80.06 Intersect N. and S. line 10 lks. N. of cor of secs. 23, 24, 25, and 26.
Thence I run.
N. 89°35' W. on a true line bet. secs. 23 and 26.
Descend along S.W. slope of range.
15.00 Bottom of descent, ravine bears N.W. and S.E.
Ascend along S.E. slope of ridge
33.00 Top of ascent on ridge, bears N.W. and S.E., thence over broken land
40.03 Deposited a charred stake 12 ins. in the ground, for ¼ sec. cor. bet. ~~secs. 23 and 26~~; dug pits, 18 x 18 x 12 ins., E and W. of cor. 4 ft. dist.; and raised a mound of earth 3½ ft. base, 1½ ft. high, over deposit.
On E. pit drove an oak stake 2 ft. long, 2 ins. sq., 12 ins in the ground, marked

chains ¼ S. on N. face
Over broken land along the top of range
61.00 Top of sand peak 40 ft. above ¼ cor, descend along the W. slope.
66.00 Bottom of descent, ravine bears N. and S., thence ascend along E. slope of range
80.06 The cor of secs. 22.23.26 and 27
Land broken
Soil, sandy 3rd rate
Vegetation, sand and bunch grass

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N. 0° 2' W. bet. secs 22 and 23
Over broken land along the top of range
7.00 Begin gradual descent along the N. slope over rolling land.
29.00 Bottom of descent, foot of bluff, bears N. 80° W and S 80° E. Ascend abruptly.
38.00 Top of ascent, thence along S. face of range
40.00 Deposited a charred stake 12 ins. in the ground, for ¼ sec cor ~~bet. secs 22 and 23~~; dug pits 18 X 18 X 12 ins., N and S. of cor, 4 ft dist.; and raised a mound of earth 3½ base, 1½ ft. high, over deposit.
In S. pit drove an oak stake 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked ¼ S on W. face.
Ascend gradually.
43.00 Top of ascent on range, bears N.W. and S.E., Begin descent along N. slope of range
55.00 Bottom of descent, pass or ravine, bears N 40° W and S 40° E.
Ascend along S slope.
76.00 Top of ascent, thence over rolling land along the top of range.
80.00 Deposited a charred stake 12 ins. in the ground, for cor. of secs. 14, 15, 22, and 23; dug pits, 18 X 18 X 12 ins., in each sec 4 ft. dist.; and raised a mound of earth, 4 ft. base, 2 ft high, over deposit.
In S.E pit drove an oak stake 2 ft.



chains long, 2 ins. sq., 12 ins in the ground, marked T. 21 N. S. 14 on N.E.,
R 40 W S 23 on S E.,
S. 22 on S.W., and
S. 15 on N.W. faces; with 3 notches on S. and 2 notches on E. edges.
Land broken and rolling
Soil sandy 3rd rate
Vegetation, buffalo and bunch grass.

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S. 89° 35' E on a random line bet. secs. 14 and 23.
40.00 Set temp ¼ sec cor
80.12 Intersect N. and S. line 5 lks. S. of cor. of secs. 13, 14, 23, and 24.
Thence I run.
N. 89° 37' W. on a true line bet. secs. 14 and 23.
Over broken land along the top of range.
15.00 Begin gradual descent along the N.W. slope.
40.06 Deposited a charred stake, 12 ins. in the ground, for ¼ sec. cor. ~~bet. secs. 14 and 23~~; dug pits 18 X 18 X 12 ins., E and W. of cor. 4 ft. dist.; and raised a mound of earth, 3½ ft. base, 1½ ft. high, over deposit.
In E. pit drove an oak stake, 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked ¼ S. on N face.
Over rolling land.
56.00 Begin steep ascent along E. slope of bluff.
62.00 Top of ascent on bluff, thence along E. face of range ascending.
67.00 Top of ascent 150 ft. high on range, descend gradually over rolling ground.
80.12 The cor of secs. 22. 23. 14 and 15
Land hilly and rolling.
Soil sandy 3rd rate.
~~Vegetation~~, sand grass.

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N 0° 2' W. bet. secs. 14 and 15

## Subdivision of T 21 N. R. 40 W. — Continued

chains

Ascend along S.W. face of range.

9.00 Top of ascent, descend along N.E. slope of ridge.

28.00 Ravine, bears N.W. and S.E. ascend

36.00 Top of ascent, thence along the W. slope of range over low ridges and ravines.

40.00 Deposited a charred stake 12 ins. in the ground, for 1/4 sec. cor. ~~bet secs. 14 and 15~~; dug pits 18 X 18 X 12 ins. N. and S. of cor., 4 ft. dist; and raised a mound of earth, 3½ ft. base 1½ ft. high, over deposit.
In S. pit drove an oak stake, 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked 1/4 S. on W face.

51.00 Begin descent along N.W. slope of range.

62.00 Bottom of descent, ravine or pass, bears N.E. and S.W., ascend.

64.00 Top of ascent 80 ft. high, thence over low rolling hills.

80.00 Deposited a charred stake 12 ins in the ground for cor. of secs. 10, 11, 14 and 15; dug pits 18 X 18 X 12 ins., in each sec., 4 ft dist; and raised a mound of earth, 4 ft. base, 2 ft. high, over deposit.
In S.E. pit drove an oak stake, 2 ft. long, 2 ins. sq., 12 ins. in the ground, marked
T. 21 N S. 11 on N.E.,
R 40 W. S. 14 on S.E.,
S 15 on S.W., and
S 10 on N.W. faces; with 4 notches on S. and 2 notches on E. edges.
Land broken
Soil sandy 3rd rate
~~Vegetation~~ bunch grass

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S 89° 37' E on a random line bet secs. 11 and 14.

40.00 Set temp. 1/4 sec. cor.

80.02 Intersect N. and S line 5 lks. S. of cor. of secs. 11, 12, 13, and 14.
Thence I run
N 89° 39' W on a true line bet secs. 11 and 14.



## Subdivision of T. 21 N. R 40 W. — Continued

chains

Descend over rolling land.

5.00 Bottom of descent, enter basin like bottom, bears N.E. and S.W.

7.00 Leave bottom, begin ascent along N.E. slope of range.

17.00 Top of ascent 75 ft. above bottom, thence descend gently over rolling land

40.01 Deposited a charred stake 12 ins. in the ground, for 1/4 sec cor. ~~bet. secs. 11 and 14~~; dug pits 18 X 18 X 12 ins E. and W. of cor., 4 ft dist; and raised a mound of earth, 3½ ft. base, 1½ high, over deposit.
In E. pit drove an oak stake, 2 ft long, 2 ins. sq., 12 ins. in the ground, marked 1/4 S. on N face

60.50 Bottom of descent, ravine, bears N. and S.

62.00 Begin ascent over rolling land.

78.00 Top of ascent 40 ft. high, thence over rolling land

80.02 The cor. of secs. 10, 11, 14 and 15.
Land rolling
Soil sandy 3rd rate
~~Vegetation~~ Sand and bunch grass.

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N 0° 2' W. bet secs 10 and 11
Ascend over low hills

7.00 Ridge, bears E. and W. 20 ft. high, descend along the north slope of ridge.

26.00 Enter bottom which extends to E., thence over level land

34.00 Leave bottom, foot of range, bears N 75° E. and S 75° W.
Ascend gradually along the S.E. slope

40.00 Deposited a charred stake 12 ins. in the ground for 1/4 sec. cor. ~~bet. secs. 11 and 14~~; dug pits 18 X 18 X 12 ins. N. and S. of cor. 4 ft. dist.; and raised a mound of earth, 3½ ft. base 1½ ft. high over deposit.
In S.E. pit drove an oak stake 2 ft. long, 2 ins. sq., 12 in in the ground, marked.

Subdivision of T. 21 N. R 40 W. — Continued

chains
¼ S. on W. face
60.00 Top of ascent, descend along N.E. slope of range
72.00 Bottom of descent, ascend along W slope of range over rolling ground
80.00 Deposited a charred stake 12 ins. in the ground, for cor. of secs. 2, 3, 10 and 11; dug pits, 18x18x12 ins., in each sec. 4 ft. dist.; and raised a mound of earth 4 ft. base, 2 ft. high, over deposit
In S.E. pit drove an oak stake, 2 ft. long, 2 ins. sq.; 12 ins. in the ground, marked
T 21 N., S 2 on N.E.,
R 40 W., S 11 on S.E.,
S. 10 on S.W., and
S. 3 on N.W. face; with 5 notches on S and 2 notches on E edges.
Land broken
Soil sandy 3rd rate
~~Vegetation~~ bunch grass.

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S. 89° 39' E. on a random line bet. secs. 2 and 11.
40.00 Set temp ¼ sec cor.
79.88 Intersect N. and S. line 30 lks. S. of cor of secs. 1, 2, 11 and 12.
Thence I run
N. 89° 52' W on a true line bet. secs. 2 and 11.
Ascend over very broken land
34.00 Begin abrupt ascent along E slope of bluff
38.00 Top of ascent on bluff 150 ft high.
39.94 Deposited a charred stake 12 ins. in the ground for ¼ sec. cor. ~~bet. secs. 2 and 11~~; dug pits 18x18x12 ins. E and W of cor. 4 ft dist.; and raised a mound of earth, 3½ ft ~~base~~ 1½ ft. high, over deposit.
In E pit drove an oak stake 2 ft long, 2 ins. sq., 12 ins the ground, marked.
¼ S. on N. face
71.00 Begin descent along the W. slope of range
79.88 The cor of secs. 2, 3, 10 and 11
Land, very broken,
Soil sandy 3rd rate.
~~Vegetation~~ Sand grass July 10 1895



Subdivision of T. 21 N. R 40 W. Continued.

chains.
N 0° 2' W on a random line bet. secs. 2 and 3.
40.00 Set temp ¼ sec. cor
80.33 Intersect N. bdy. of Tp. 36 lks. E of cor of secs. 2, 3, 34 and 35
Thence I run S 0° 17' E on a true line bet. secs. 2 and 3.
Over rolling foot hills.
7.00 Enter level land, bears N 50° E and S 80° W
40.33 Deposited a charred stake 12 ins. in the ground, for ¼ sec. cor. ~~bet. secs. 2 and 3~~; dug pits 18x18x12 ins N. and S of cor. 4 ft dist.; and raised a mound of earth, 3½ ft base, 1½ ft high, over deposit.
In E pit drove an oak stake 2 ft. long 2 ins sq.; 12 ins. in the ground marked ¼ S. on W. face.
46.00 Begin ascent along N.W. slope of range.
78.00 Top of ascent on range, thence along W. face of range
80.33 The cor of secs. 2, 3, 10 and 11.
Land level and rolling.
Soil, sandy 3rd rate
~~Vegetation~~ sand and bunch grass.
Aug 5 1895

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From the standard cor of secs. 33 and 34 on S. bdy. of the Tp., I run.
N 0° 3' W. bet. secs. 33 and 34.
Ascend over low sand hills.
15.00 Top of ascent on sand peak 30 ft. high.
17.00 Begin descent over low hills.
40.00 Deposited a charred stake 12 ins. in the ground, for ¼ sec. cor. ~~bet. secs. 33 and 34~~; dug pits 18x18x12 ins N and S. of cor, 4 ft. dist.; and raised a mound of earth, 3½ ft base, 1½ ft. high, over deposit.
In S. pit drove an oak stake, 2 ft. long 2 ins. sq., 12 ins in the ground, marked.
¼ S on W. face.
Ascend along the S. slope of ridge.

## Subdivision of T. 21 N. R. 40 W - Continued.

chains
42.00 Top of ascent ridge, bears S 80° E and N 80° W.
Descend along the N.E. slope.
47.00 Bottom of descent, pass or ravine, 40 ft. below ¼ cor. bears S 30° E and N. 50° W.
Ascend slightly along W. slope of range of hills.
80.00 Set an oak post, 3 ft. long, 4 ins. sq., with charred stake, 24 ins. in the ground, for cor. of secs. 27, 28, 33, and 34, marked.
T. 21 N. S 27 on N.E.,
R. 40 W. S. 34 on S.E.,
S. 33 on S.W., and
S. 28 on N.W., faces with 1 notch on S. and 3 notches on E. edges; dug pits 18 X 18 X 12 ins., in each sec., 5½ ft distant, and raised a mound of earth, 4 ft base, 2 ft high W. of cor.
Land, hilly.
Soil, sandy 3rd rate.
~~Vegetation~~, sand and bunch grass.

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S. 89° 56' E on a random line bet. secs 27 and 34.
40.00 Set temp. ¼ sec. cor.
80.16 Intersect N. and S. line at the cor of secs. 22, 23, 26, and 27.
Thence I run.
N 89° 56 W on a true line bet. secs. 27 and 34.
Ascend along the N.E. slope over rolling land
40.00 Top of ascent 50 ft. high. on range, thence over rolling land
40.08 Deposited a charred stake, 12 ins. in the ground, for ¼ sec. cor. ~~bet. secs. 27 and 34~~; dug pits, 18 X 18 X 12 ins, E. and W. of cor., 4 ft. dist.; and raised a mound of earth, 3½ ft. base, 1½ ft. high, over deposit
In E. pit drove an oak stake, 2 ft long, 2 ins. sq., 12 ins. in the ground, marked.
¼ S. on N. face.
50.00 Begin descent along W. slope of range.
80.16 The cor. of secs. 27, 28, 33, and 34
Land, rolling
Soil sandy 3rd rate
Vegetation, bunch grass.

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## Subdivision of T. 21 N. R. 40 W. Continued

chains
N 0° 8' W. bet secs. 27 and 28.
Ascend along the S.W. slope of range
5.00 Top of ascent ridge bears E. and W. descend
7.00 Ravine bears E and W., thence descend along N.W. slope of range
15.00 Bottom of descent, enter neck of valley, bears N.E. and S.W.
23.00 Leave valley, ascend along S slope of bluff bears E. and W.
32.00 Top of ascent on bluff 60 ft above valley. descend over broken land
40.00 Deposited a charred stake 12 ins. in the ground for ¼ sec. cor. ~~bet. secs. 27 and 28~~; dug pits, 18 X 18 X 12 ins., N. and S. of cor, 4 ft. dist.; and raised a mound of earth, 3½ ft. base, 1½ ft. high over deposit.
In S. pit drove an oak stake 2 ft. long, 2 ins. sq., 12 ins in the ground marked.
¼ S on W face
Ascend along S. slope of ridge
40.50 Top of ascent on W. end or point of ridge 5 ft above ¼ cor. thence descend gradually along W. slope of range over broken hills.
72.00 Top of sand ridge, bears N. and S.
73.00 Begin descent along the N.W. slope of range
80.00 Deposited a charred stake 12 ins in the ground, for cor. of secs. 21, 22, 27 and 28; dug pits, 18 X 18 X 12 ins., in each sec. 4 ft. dist.; and raised a mound of earth, 4 ft. base, 2 ft high over deposit.
In I S.E. pit drove an oak stake, 2 ft. long, 2 ins sq., 12 ins in the ground, marked
T. 21 N. S 22 on N.E.,
R 40 W. S 27 on S.E.,
S 28 on S.W. and
S 21 on N.W. faces; with 2 notches on the S. and 3 notches on E. edges
Land level and rolling
Soil sandy 3rd rate.
Vegetation bunch grass.

Chains. S. 88°56' E. on a random line bet. secs. 22 and 27.
40.00 Set temp. ¼ cor.
80.10 Intersect N. and S line 10 lks S of cor. of secs. 22, 23, 26 and 27.
Thence I run.
W. on a true line bet. secs 22 and 27.
Ascend over rolling hills.
40.00 Top of ascent then along E. face of range
40.05 Deposited a charred stake 12 ins. in the ground for ¼ sec. cor, ~~bet. secs 22 and 27~~, dug pits 18X18X12 ins. E. and W. of cor 4 ft. dist.; and raised a mound of earth 3½ ft. base, 1½ ft. high, over deposit.
In E. pit drove an oak stake 2 ft long, 2 ins. sq., 12 ins in the ground, marked. ¼ S. on N face.
45.10 Top of ascent on range 100 ft high.
53.00 Begin descent along W. slope of range.
80.10 The cor. of secs. 21, 22, 27 and 28.
Land, high range of sand hills.
Soil, sandy 3rd rate.
Vegetation, buffalo and bunch grass.

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N 0° 3' W. bet. secs. 21 and 22.
Descend gradually along N.W. slope of range
10.00 Ravine or pass bears E and W.
12.00 Foot of bluff, bears E and S 70° W, ascend gradually.
15.00 Top of ascent on bluff, thence along S E face of range
15.00 Begin descent over rolling land
35.00 Bottom of descent in circular depression
Ascend along S.W. slope of ridge.
40.00 Deposited a charred stake 12 ins in the ground for ¼ sec. cor. ~~bet. secs. 21 and 22~~; dug pits 18X18X12 ins. N. and S. of cor., 4 ft. dist; and raised a mound of earth, 3½ ft. base, 1½ ft high over deposit.
In S pit drove an oak stake 2 ft. long, 2 ins. sq., 12 ins in the ground, marked ¼ S. on W face



Chains Ascend over broken ground.
48.00 Top of ascent on ridge 20 ft above cor. bears N 30° W. descend along N.E. slope over low hills.
80.00 Set an oak post 3 ft. long, 4 ins. sq., with charred stake 24 ins. in the ground for cor. of secs 15, 16, 21 and 22 marked.
T21 N. S. 15 on N.E.,
R 40 W S 22 on S.E.,
S 21 on S.W. and
S 16 on N.W. faces with 3 notches on S. and E. edges; dug pits 18X18X12 ins., in each sec., 5½ ft. dist.; and raised a mound of earth, 4 ft. base, 2 ft high W. of cor.
Land, sand hills; Soil, 3rd rate.

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E on a random line bet. secs 15 and 22.
40.00 Set temp. ¼ sec cor.
79.90 Intersect N. and S. line 25 lks. N. of cor of secs. 14, 15, 22 and 23.
Thence I run
N 89°49' W on a true line bet. secs 15 and 22.
Descend along S.W. face of range over rolling land
29.00 Bottom of descent in circular depression.
Ascend along E. slope of sand peak.
35.00 Top of ascent on sand peak, thence descend over broken land
39.95 Deposited a charred stake 12 ins. in the ground for ¼ sec. cor. ~~bet. secs 15 and 22~~, dug pits 18X18X12 ins. E and W of cor. 4 ft. dist.; and raised a mound of earth, 3½ ft. base, 1½ ft. high over deposit.
In E pit drove an oak stake 2 ft. long, 2 ins sq., 12 ins in the ground marked ¼ S. on W. face
Descend gradually.
50.00 Bottom of descent. ravine or pass. bears N.E. and S.W., thence through ravine
79.90 The cor. of secs. 15, 16, 21, and 22
Land, broken and rolling

chains Soil sandy, 3rd rate
Vegetation sand and bunch grass.

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N 0°3' W. bet. secs. 15 and 16.
Descend over rolling land
6.00 Bottom of descent at foot of range bears N 60° W and S 60° E, ascend gradually along S.W. slope over low ridges and ravines.
37.00 Top of ascent on ridge, descend along N. slope
40.00 Deposited a charred stake 12 ins. in the ground for 1/4 sec. cor. ~~bet. secs. 15 and 16;~~ dug pits 18 X 18 X 12 ins., ~~N~~ and S. of cor., 4 ft. dist.; raised a mound of earth 3 1/2 ft. base, 1/2 ft. high, over deposit.
On S pit drove an oak. stake 2 ft. long, 2 ins. sq., 12 ins. in the ground marked 1/4 S. on W. face.
Ascend along S.W. slope of range.
47.00 Top of ascent, descend along the N.W. slope
51.80 Bottom of descent. ravine bears N 80° E and S 80° W. ascend along S slope of ridge
62.60 Top of ascent on ridge 75 ft. high, thence over broken sand ridges or bluffs
69.00 Begin gradual descent over rolling land along the N. slope of range
80.00 Deposited a charred stake 12 ins. in the ground for cor. of secs 9, 10, 15 and 16; dug pits 18 X 18 X 12 ins., in each sec. 4 ft. dist.; and raised a mound of earth. 4 ft base, 2 ft high, over deposit.
On S.E. pit drove an oak stake 2 ft. long, 2 ins sq., 12 ins. in the ground marked
T 21 N. S 10 on N.E.,
R 40 W S 15 on S.E.,
S 16 on S W and
S 9 on N.W. faces with 4 notches on S and 3 notches on E edges
Land. broken sand ridges
Soil sandy 3rd rate





chains Vegetation sand and bunch grass.

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S 89°49' E on a random line bet. secs. 10 and 15
40.00 Set temp 1/4 sec. cor
79.98 Intersect N and S line at cor of secs. 10, 11, 14 & 15
Thence I run N. 89°49' W. on true line bet. Secs. 10 and 15.
Ascend.
0.70 Top of ascent on a sand peak 5 ft above cor; descend.
2.00 Bottom of descent in circular depression, ascend
2.50 Top of ascent on ridge 8 ft. high. thence, ascend gradually over broken land along N.E. slope of range
35.00 Top of ascent, thence along the top of range over ridges and ravines
39.99 Deposited a charred stake 12 ins. in the ground for 1/4 sec. cor. ~~bet. secs 10 and 15;~~ dug pits 18 X 18 X 12 ins. E and W. of cor 4 ft. dist.; and raised a mound of earth, 3 1/2 ft. base 1 1/2 ft high over deposit.
On E. pit drove an oak stake 2 ft. long, 2 ins sq., 12 ins in the ground, marked 1/4 S. on N. face
Descend along S. face of range of hills
64.00 Bottom of descent, foot of bluff bears, N.E. and S.W., Ascend along the S.E. slope.
77.00 Top of ascent 30 ft high. E edge of a depression.
79.98 The cor. of secs. 9, 10, 15 and 16
Land, broken sand hills.
Soil sandy 3rd rate.
~~Vegetation~~ sand and bunch grass.
F.

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N 0° 3' W bet secs 9 and 10
Ascend along S.W. slope of ridge
6.60 Top of ascent 20 ft. high, descend along W. slope of ridge over broken land
21.00 Ridge bears N.W. and S.E. thence over broken land
35.00 Ridge bears N.W. and S.E. thence descend over rolling land.
40 Deposited a charred stake 12 ins.

Subdivision of T21 N., R40 W. – Continued

chains

in the ground for ¼ sec cor ~~bet. secs. 9 and 10~~; dug pits 18×18×12 ins N. and S. of cor 4 ft dist.; and raised a mound of earth 3½ ft. base, 1½ ft. high over deposit.
In S. pit drove an oak stake 2 ft. long 2 ins. sq.; 12 ins in the ground, marked
¼ S on W face.
Descend gradually
45.00 Bottom of descent, ascend gradually along S.E. slope of ridge.
51.00 Top of ascent on ridge, thence descend along N.E. slope of range.
68.00 Bottom of descent in ravine or pass., bears E and W.
71.00 Begin ascent along S.E. slope of low range of hills.
80.00 Set an oak. post 3 ft. long, 4 ins. sq.; with charred stake. 24 ins. in the ground for cor of secs. 3, 4, 9 and 10, marked
T 21 N. S. 3 on N.E.,
R. 40 W. S 10 on S.E.,
S 9 on S W., and
S. 4 on N.W. faces with 5 notches on S. and 3 notches on E. edges; dug pits 18×18×12 ins in each sec 5½ ft dist.; and raised a mound of earth 4 ft. base, 2 ft high W. of cor.
Land, broken sand hills.
Soil sandy 3rd rate.
Vegetation sand and bunch grass.

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S 89°49' E. on a random line bet. secs 3 and 10
40.00 Set temp. ¼ sec. cor
79.98 Intersect N. and S. line 5 lks. N of cor of secs. 2, 3, 10 and 11
Thence I run
N 89°47' W. on a true line bet. secs. 3 and 10
Descend over rolling land along N.W. slope



Subdivision of T. 21 N. R 40 W – Continued

chains

of range
39.99 Deposited a charred stake 12 ins in the ground for ¼ sec. cor. ~~bet. secs. 3 and 10~~; dug pits 18×18×12 ins. E and W. of cor. 4 ft. dist.; and raised a mound of earth 3½ ft. base, 1½ ft high over deposit.
In E. pit drove an oak stake 2 ft. long 2 ins. sq., 12 ins. in the ground marked ¼ S. on N. face.
63.00 Bottom of descent in basin like bottom.
65.00 Begin ascent over rolling land along the E. slope of range
79.98 The cor. of secs. 3, 4, 9 and 10.
Land. rolling.
Soil. sandy 3rd rate.
Vegetation bunch grass.
July 11 1895

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N 0°3' W on a random line bet. secs. 3 and 4
40.00 Set temp. ¼ sec. cor.
79.78 Intersect N bdy. of Tp. 25 lks. E of cor. of secs. 3, 4, 33, and 34.
Thence I run.
S 0°14' E. on a true line bet. secs. 3 and 4.
Ascend along the N. slope of range
8.00 Top of ascent. descend along S face of range.
16.00 Begin steep descent along S slope of range.
33.00 Bottom of descent. enter valley bears N 80° E and S 80° W
39.78 Deposited a charred stake 12 ins. in the ground for ¼ sec cor. ~~bet secs 3 and 4~~; dug pits 18×18×12 ins. N. and S of cor. 4 ft. dist.; and raised a mound of earth, 3½ ft base, 1½ ft high over deposit.
In S. pit drove an oak stake 2 ft. long, 2 ins. sq. 12 ins in the ground. marked ¼ S on W. face.

chains
Over level land
51.00 Leave valley, foot of low range of hills.
71.00 Top of ascent, thence along E face of range
79.78 The cor. of secs. 3, 4, 9, and 10.
Land, level
Soil, sandy 3rd rate.
Vegetation, Bunch grass.

Aug 5 1895

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From the standard cor of secs. 32 and 33 on the S. bdy. of the Tp. I run.
N 0° 4' W. bet. secs. 32 and 33
Descend along the N. slope of range
16.00 Bottom of descent ravine or pass bears E and W.
19.00 Ascend slightly over rolling land.
39.00 Descend slightly over rolling land
40.00 Deposited a charred stake 12 ins. in the ground for 1/4 sec cor. ~~bet. secs. 32 and 33.~~, dug pits 18 x 18 x 12 ins. N and S of cor. 4 ft. dist; and raised a mound of earth 3½ ft base, 1½ ft high, over deposit.
In S pit, drove an oak stake 2 ft. long, 2 ins. sq., 12 ins in the ground marked 1/4 S on W face.
Over low hills
78.00 Enter level land bears E and W.
80.00 Deposited a charred stake 12 ins in the ground, for cor. of secs. 28. 29. 32, and 33; dug pits 18 x 18 x 12 ins.; in each sec. 4 ft dist.; and raised a mound of earth, 4 ft base, 2 ft. high over deposit.
In S.E. pit drove an oak stake 2 ft long 2 ins sq.; 12 ins in the ground, marked T. 21 N. S 28 on N.E.,
R. 40 W S. 33 on S.E.
S 32 on S.W., and
S 29 on N.W. faces; with 1 notch on S. and 4 notches on E edges
Land level and rolling



chains
Soil sandy 3rd rate
~~Vegetation~~ Bunch grass

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S 89° 58' E. on a random line bet. secs. 28 and 33.
40.00 Set temp. 1/4 sec cor.
80.10 Intersect N and S. line 5 lks. N. of cor. of secs 27, 28, 33, and 34
Thence I run
N. 89° 56' W. on a true line bet secs 28 and 33.
Descend gradually along W. slope of range
8.00 Enter basin like bottom, bears N. and S.
36.00 Leave bottom. N. 50° E. and S. 80° W. ascend
40.05 Deposited a charred stake 12 ins. in the ground for 1/4 sec. cor. ~~bet. secs. 28 and 33.~~; dug pits 18 x 18 x 12 ins E. and W. of cor. 4 ft dist.; and raised a mound of earth 3½ ft base, 1½ ft high over deposit.
In E pit drove an oak stake 2 ft long, 2 ins. sq., 12 ins in the ground marked 1/4 S. on N. face
Descend from cor. along a ravine or pass
72.00 Enter level land, bears N. and S.
80.10 The cor of secs. 28. 29. 32 and 33.
Land, level and rolling.
Soil, sandy 3rd rate.
Vegetation, sand and bunch grass

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N 0° 4' W bet. secs. 28 and 29.
Over level bottom land
27 Leave bottom, ascend gently over low rolling foot hills along the S.W. slope
40.00 Deposited a charred stake 12 ins in the ground for 1/4 sec. cor ~~bet. secs. 28 and 29.~~; dug pits 18 x 18 x 12 ins. N and S. of cor. 4 ft. dist.; and raised a mound of earth 3½ ft base, 1½ ft. high over deposit
In S pit drove an oak stake 2 ft. long 2 ins. sq., 12 ins. in the ground, marked

Chains

¼ S. on W. face.
Ascend along the S.W. face of range
52.00 Top of ascent on range 50 ft. high, descend gradually along the N.W. slope of range.
61.00 Ridge bears N. and S., descend along the N. slope over rolling land.
80.00 Deposited a charred stake, 12 ins. in the ground for cor. of secs. 20, 21, 28 and 29; dug pits 18X18X12 ins., in each sec. 4 ft. dist.; and raised a mound of earth, 4 ft. base, 2 ft. high over deposit
In S.E. pit drove an oak stake 2 ft. long 2 ins. sq., 12 ins. in the ground, marked
T. 21 N. S. 21 on N.E.,
R. 40 W. S. 28 on S.E.,
S. 29 on S.W., and
S. 20 on N.W. faces: with 2 notches on S and 4 notches on E. edges
Land, hilly and rolling.
Soil sandy 3rd rate.
Vegetation sand and bunch grass.

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S 89°56' E. on a random line bet. secs. 21 and 28
40.00 Set temp. ¼ sec. cor.
80.16 Intersect N. and S. line 3 lks. S of cor of secs. 21, 22, 27 and 28.
Thence I run
N 89°57' W. on a true line bet secs. 21 and 28.
Descend along the W. slope of hill
3.00 Bottom of descent, ravine bears N.W. S.E.; ascend along the N.E. slope of range of sand hills.
40.00 Top of ascent, thence along the top of range over broken laild
40.05 Deposited a charred stake 12 ins. in the ground for ¼ sec. cor. bet. ~~secs. 21 and 28;~~ dug pits 18X18X12 ins. E. and W. of cor. 4 ft. dist.; and raised a mound of earth 3½ ft. base, 1½ ft. high over deposit.



Chains

In E. pit drove 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 the W. slope of range over rolling land
80.16 The cor of secs. 20, 21, 28 and 29.
Land, sand hills
Soil, sandy 3rd rate
Vegetation, sand and bunch grass.

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N 0°4' W. bet. secs. 20 and 21.
Over low rolling foot hills.
40.00 Deposited a charred stake 12 ins in the ground for ¼ sec. cor. ~~bet. secs. 20 and 21~~; dug pits 18X18X12 ins. N. and S. of cor. 4 ft. dist.; and raised a mound of earth 3½ ft base, 1½ ft high over deposit.
In S pit drove an oak stake 2 ft long, 2 ins. sq., 12 ins in the ground, marked ¼ S. on W. face.
70.00 Enter level land. E. end of valley bears E. and W.
80.00 Deposited a charred stake 12 ins. in the ground for cor. of secs. 16, 17, 20 and 21; dug pits 18X18X12 ins., in each sec., 4 ft dist.; and raised a mound of earth, 4 ft. base 2 ft. high over deposit
In S.E. pit drove an oak stake 2 ft long 2 ins sq., 12 ins in the ground, marked
T. 21 N. S. 16 on N.E.,
R. 40 W S. 21 on S.E.,
S. 20 on S.W., and
S. 17 on N.W. faces; with 3 notches on S. and 4 notches on E. edges.
Land, low sand hills
Soil. sandy 3rd rate
Vegetation. blue stem and bunch grass

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S. 89°57' E. on a random line ~~bet. secs.~~ 16 and 21.

chains

40.00 Set temp ¼ sec. cor
80.24 Intersect N. and S. line. 16 lks N. of cor of secs. 15. 16, 21, and 22.
Thence I run.
N. 89°50' W. on a true line bet secs. 16 and 21
Over level land
5.00 Foot of range. ascend along E slope.
27.00 Top of ascent, thence over rolling land along the top of range
40.12 Deposited a charred stake 12 ins. in the ground. for ¼ sec. cor. ~~bet. secs. 16 and 21~~; dug pits 18X18X12 ins E and W. of cor 4 ft. dist.; and raised a mound of earth 3½ ft. base, 1½ ft. high over deposit.
In E pit drove an oak stake 2 ft long, 2 ins. sq., 12 ins in the ground, marked ¼ S. on N. face.
45.00 Begin gradual descent over rolling land along W. slope
80.24 The cor of Sec. 16, 17, 20, and 21
Land. hilly and rolling
Soil. sandy 3rd rate
Vegetation. sand and bunch grass.

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N 0°4' W bet. secs. 16 and 17.
Over level land
16.00 Foot of ridge. course N. 50° W and S 80° E
Ascend abruptly along S slope
18 Top of ascent on ridge 40 ft high, thence over low ridges and ravines
33.50 Begin descent over rolling land
36.00 Bottom of descent. ravine or pass. bears N 80° E and S. 30° W., ascend gradually along the SE. slope of low hills
37.50 Sand peak. descend along N. slope
40.00 Deposited a charred stake 12 ins. in the ground for ¼ cor. ~~bet. secs. 16 and 17~~, dug pits 18X18X12 ins. N. and S. of cor. 4 ft. dist.; and raised a mound of earth 3½ ft base, 1½ ft high over deposit



chains

In S pit drove an oak stake 2 ft long, 2 ins sq., 12 in in the ground. marked ¼ S. on W. face.
Ascend over low broken sand hills
48.50 Top of ascent 20 ft above ¼ cor. descend along the N.E. slope
55 Bottom of descent. pass or ravine bears N 30° W and S. 30° E., Ascend over rolling ground
67.50 Top of ascent on E. point of ridge bears E and W descend along N.E slope over ridges and ravines.
80.00 Deposited a charred stake 12 ins. in the ground for cor of secs. 8, 9, 16 and 17.; dug pits 18X18X12 ins.; in each sec. 4 ft dist.; and raised a mound of earth 4 ft. base, 2 ft high over deposit.
In S.E. pit drove an oak stake 2 ft. long 2 ins. sq.; 12 ins. in the ground. marked
T. 21 N. S. 9 on N.E.,
R. 40 W. S 16 on S.E.,
S. 17 on S.W., and
S. 8 on N.W. faces; with 4 notches on S and E. edges
Land. Sand hills; soil 3rd rate.

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S. 89°50' E on a random line bet. secs. 9 and 16.
40.00 Set temp. ¼ sec cor.
80.16 Intersect N. and S. line 9 lks. N. of cor. of secs 9, 10, 15 and 16
Thence I run
N 89°46' W. on a true line bet secs. 9 and 16.
Ascend slightly
1.20 Ridge bears N. and S. 10 ft above cor. thence along top of range over rolling land
37.00 Begin descent along W. slope
40.08 Deposited a charred stake 12 ins in the ground for ¼ sec. cor. ~~bet. secs. 9 and 16~~; dug pits 18X18X12 ins. E and W. of cor. 4 ft. dist. and raised a mound of earth 3½ ft base 1½ ft high over deposit.
In E. pit drove an oak stake 2 ft. long

Chains

2 ins sq., 12 ins in the ground, marked
1/4 S on N. face
Descend gradually along W. slope of range
80.16 The cor. of secs. 8, 9, 16 and 17
Land, rolling
Soil, sandy 3rd rate
Vegetation, bunch and sand grass.

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N 0° 4' W. bet secs. 8 and 9.
Over ridges and ravines along W. slope of range of hills
14.00 Ravine bears N.W. and S.E., ascend along W. slope of ridge
26.45 Top of ascent on ridge, bears N.W. and S.E.
Descend along N.E. slope
40.00 Deposited a charred stake 12 ins. in the ground for 1/4 sec. cor. ~~bet. secs. 5 and 8~~; dug pits 18x18x12 ins. N and S. of cor. 4 ft. dist.; and raised a mound of earth, 3½ ft base, 1½ ft high over deposit.
In S pit drove an oak stake, 2 ft. long, ~~2 ins sq.~~, 12 ins in the ground, marked 1/4 S. on W face
The 1/4 Sec. cor is situated at bottom of descent.
Over rolling bottom land
80.00 Deposited a charred stake 12 ins. in the ground for cor of secs. 4, 5, 8 and 9; dug pits 18x18x12 ins. in each sec. 4 ft dist.; and raised a mound of earth 4 ft. base, 2 ft. high over deposit.
In S.E. pit drove an oak stake, 2 ft. long, 2 ins sq., 12 ins. in the ground, marked
T. 21. N. S. 4 on N.E.,
R. 40 W. S. 9 on S.E.,
S. 8 on S.W., and
S. 5 on N.W. faces; with 5 notches on S. and 4 notches on E. edges.
Land hilly and rolling.
Soil. sandy 3rd rate.



Chains

Vegetation, bunch grass.

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S 89° 46' E. on a random line bet. secs. 4 and 9
40.00 Set temp. 1/4 sec. cor.
80.16 Intersect N. and S. line 3 lks. N. of cor. of secs 3, 4, 9 and 10
Thence I run
N. 89° 47' W on a true line bet. secs. 4 and 9.
Ascend along the E. slope of range.
5.00 Top of ascent 40 ft above cor., thence along the N. face of range over ridges and ravines.
27.00 Begin gradual descent along the N.W. slope of range.
40.05 Deposited a charred stake 12 ins in the ground for 1/4 sec cor ~~bet. secs. 4 and 9~~; dug pits 18x18x12 ins E and W. of cor 4 ft dist.; and raised a mound of earth 3½ ft base, 1½ ft high over deposit.
In E pit drove an oak stake ~~2 ft. long, 2 ins sq.~~ 12 ins. in the ground, marked 1/4 S. on N. face.
76.00 Foot of descent, enter level land.
80.16 The cor. of secs. 4, 5, 8, and 9
Land, hilly
Soil. sandy 3rd rate
Vegetation, bunch grass.
July 12 1895

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N 0° 4' W. on a random line bet. secs. 4 and 5.
40.00 Set temp 1/4 sec. cor.
79.37 Intersect N. bdy. of Tp. 15 lks. W. of cor. of secs. 4, 5, 32 and 33
Thence I run
S 0° 4' W on a true line bet secs. 4 and 5
Ascend along N. face of range over broken ground
24.00 Top of ascent on range, descend along S

Chains

face over ridges and ravines.

39.37 Deposited a charred stake 12 ins. in the ground for ¼ sec. cor. ~~bet secs 4 and 5, dug~~ pits 18X18X12 ins. N and S. of cor 4 ft. dist. and raised a mound of earth 3½ ft. base, 1½ ft high over deposit.

In S. pit drove an oak stake 2 ft. long 2 ins sq., 12 ins in the ground, marked ¼ S. on W face

This ¼ sec. cor. is situated in a small circular depression on S. face of range.

Ascend slightly along N. slope of ridge

46.50 Top of ascent on ridge, descend gradually along S. slope of range

65.00 Bottom of descent, enter level land

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

Land, hilly and level

Soil sandy 3rd rate

Vegetation, bunch grass Aug 5 1895

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From the standard cor. of secs. 31 and 32 on S. bdy. of the Tp. I run.

N 85° W bet secs 31 and 32

Descend slightly over rolling land.

21.00 Bottom of descent in neck of valley, bears E and W.

23.00 Leave valley, begin slight ascent over rolling land along S. slope of range of low sand hills

40.00 Deposited a charred stake 12 ins in the ground for ¼ sec cor ~~bet secs 31 and 32~~; dug pits 18X18X12 ins N. and S. of cor. 4 ft dist; and raised a mound of earth 3½ ft base, 1½ ft high over deposit.

In S pit drove an oak stake 2 ft. long, 2 ins sq., 12 ins in the ground, marked ¼ S on W face.

42.50 Top of ascent, thence along the top of range over rolling land.

80.00 Deposited a charred stake 12 ins. in the ground for cor. of secs. 29, 30, 31, and 32; dug pits 18X18X12 ins., in each sec. 4 ft dist;



Chains

and raised a mound of earth 4 ft. base, 2 ft high, over deposit.

In S.E. pit drove an oak stake 2 ft. long 2 ins sq., 12 ins. in the ground, marked T. 21 N. S. 29 on N.E.,
R. 40 W. S. 32 on S.E.,
S 31 on S.W., and
S 30 on N.W. with 1 notch on S. and 5 notches on E. edges

Land, hilly.

Soil sandy 3rd rate

Vegetation, sand and bunch grass

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N 89°43' E. on a random line between secs 28 and 32

40.00 Set temp. ¼ sec. cor.

79.94 Intersect N and S. line 2 lks S. of cor. of secs 28, 29, 32 and 33.

Thence I run

S 89°42' W on a true line bet secs. 29 and 32.

Over level land

10.00 Leave level land, ascend along N.E. slope of range of low foot hills.

39.97 Deposited a charred stake 12 ins in the ground for ¼ sec. cor. ~~bet secs. 29 and 32~~; dug pits 18X18X12 ins E and W. of cor. 4 ft. dist; and raised a mound of earth 3½ ft. base 1½ high, over deposit.

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

50.00 Ravine bears S. 20° W., ascend along E. slope

72 Top of ascent, thence over rolling ground.

79.94 The cor. of secs. 29, 30, 31 and 32.

Land, level and rolling

Soil sandy 3rd rate

Vegetation sand and bunch grass

July 13 1895

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N 89°48' W. on a random line bet. secs. 30 and 31

Chains

40.00 Set temp. ¼ sec. cor.
81.90 Intersect W. bdy. of Tp. 10 lks. N. of cor of secs. 30 and 31. 25 and 36.
Thence I run S 89°52' E on a true line bet. secs 30 and 31.
Over broken hills along S. edge of range.
35 Ravine N. and S. Ascend over broken land
41.90 Deposited a charred stake 12 ins. in the ground for ¼ sec cor. ~~bet secs 30 and 31~~; dug pits 18x18x12 ins. E. and W. of cor 4 ft. dist.; and raised a mound of earth 3½ ft. base, 1½ ft high, over deposit.
In E pit drove an oak stake 2 ft. long 2 ins. sq 12 ins. in the ground. marked ¼ S on N. face.
Ascend along N.W. slope of range of hills over low ridges
50.00 Top of ascent on range, thence along the top of range over broken land
81.90 The cor. of secs. 29, 30, 31, and 32
Land. sand hills
Soil sandy 3rd rate
Vegetation bunch grass

Aug 6 1895

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N 0°5' W. bet secs. 29 and 30
Ascend along W. slope of ridge
3.00 Top of ascent, descend along N.E. slope.
37.00 Bottom of descent in W. edge of valley.
40.00 Deposited a charred stake 12 ins. in the ground for ¼ sec. cor. ~~bet secs 29 and 30~~; dug pits 18x18x12 ins N and S. of cor 4 ft. dist; and raised a mound of earth 3½ ft. base, 1½ high over deposit.
In S pit drove an oak stake 2 ft long 2 ins. sq., 12 ins in the ground, marked ¼ S. on W. face
42.50 Leave bottom, foot of bluff bears N. 80° E. and S 80° W. Ascend abruptly along S.E. slope
65.00 Top of ascent, thence over rolling land on



Chains

top of range
80.00 Deposited a charred stake 12 ins. in the ground for cor of secs. 19, 20, 29 and 30; dug pits 18x18x12 ins; in each sec. 4 ft dist.; and raised a mound of Earth 4 ft. base, 2 ft high over deposit.
In S.E. pit drove an oak stake 2 ft. long, 2 ins sq., 12 ins in in the ground, marked
T 21 N. S 20 on N.E.,
R 40 W. S 29 on S.E.,
S 30 on S.W., and
S 19 on N.W. faces; with 2 notches on S. and 5 notches on E. edges
Land sand hills.
Soil. sandy 3rd rate.
Vegetation. sand and bunch grass.

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N 89°42' E on a random line bet secs 20 and 29.
40.00 Set temp. ¼ sec. cor.
80.00 Intersect N. and S. line at cor. of secs 20, 21, 28 and 29.
Thence I run.
S. 89°42 W on a true line bet secs. 20 and 29.
Over low rolling foot hills
38.50 Ravine or pass bears N. 70° E. Ascend along E. slope of range
40.00 Deposited a charred stake 12 ins in the ground for ¼ sec. cor. ~~bet secs 20 and 29~~; dug pits 18x18x12 ins. E. and W. of cor 4 ft. dist.; and raised a mound of earth, 3½ ft. base 1½ ft high over deposit.
In E. pit drove an oak stake 2 ft. long 2 ins. sq., 12 ins. in the ground, marked ¼ S. on N. face
Ascend along E. slope of range
80.00 The cor. of secs. 19, 20, 29 and 30
Land sand hills.
Soil, sandy 3rd rate
Vegetation sand and bunch grass.

July 13 1895

Chains

N 89°52' W. on a random line bet. secs. 19 and 30

40.00 Set temp. ¼ sec cor

81.54 Intersect W. bdy. of Tp. 5 lks. S of cor of secs 19, 30, 24 and 25.

Thence I run S 89°50' E on a true line bet. secs. 19 and 30

Ascend slightly along N. slope of range

16.50 Top of ascent 20 ft above cor., thence descend over low ridges and ravines along N.E. slope

40.50 Bottom of descent, ravine bears N.W. and S.E.

41.54 Deposited a charred stake 12 ins. in the ground for ¼ sec cor. ~~bet. secs. 19 and 30~~; dug pits 18X18X12 ins E. and W. of cor 4 ft. distant; and raised a mound of earth 3½ ft. base 1½ ft. high over deposit.

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

Ascend along N.W. slope of range of hills

54.50 top of ascent, thence over rolling land along top of range

81.54 The cor of secs. 19, 20, 29 and 30.

Land, sand hills

Soil, sandy 3rd rate

Vegetation, sand grass

Aug 6 1895

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N 0°5' W. bet. secs. 19 and 20

Ascend over rolling ground.

11.00 Top of ascent, thence descend gradually along N. slope

37.00 Foot of descent thence over rolling foot hills.

40.00 Deposited a charred stake 12 ins. in the ground for ¼ sec. cor ~~bet. secs. 19 & 20~~; dug pits 18X18X12 ins. N and S. of cor. 4 ft dist.; and raised a mound of earth 3½ ft base, 1½ ft. high over deposit.

In S pit drove an oak stake 2 ft. long 2 ins sq, 12 ins. in the ground, marked ¼ S. on W. face

Ascend slightly



Chains

68.00 Top of ascent on sand ridge bears N.E and S.W.

68.00 Begin descent over rolling 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 T 21 N. S. 17 on N.E., R 40 W S 20 on S.E., S. 19 on S.W., and S. 18 on N.W. faces, with 8 notches on S. and 5 notches on E. edges; dug pits 18X18X12 ins, in each sec. 5½ ft dist; and raised a mound of earth 4 ft. 2 ft. high, W of cor.

Land, hilly.

Soil, sandy 3rd rate.

Vegetation, bunch and sand grass

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N 89°42' E. on a random line bet. secs 17 and 20.

40.00 Set temp. ¼ sec. cor

79.96 Intersect N. and S. line 24 lks. S of cor of secs. 16, 17, 20 and 21.

Thence I run S. 89°32' W. on a true line bet. secs. 17 and 20.

Over rolling land along a ravine

39.98 Deposited a charred stake 12 ins. in the ground for ¼ sec. cor. ~~bet. secs 17 and 20~~; dug pits 18X18X12 ins. E. and W. of cor. 4 ft. dist.; and raised a mound of earth 3½ ft. base, 1½ ft. high over deposit.

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

48.00 Ascend gently over rolling ground

79.96 The cor of secs. 17, 18, 19, and 20.

Land, rolling

Soil, sand and alkali 3rd rate.

Vegetation sand and bunch grass

July 13 1895

chains N.88°50' W. on a random line bet. secs 18 and 19.

40.00 Set temp. ¼ sec. cor.

81.10 Intersect W. bdy. of Tp. 7 lks N of cor of secs. 18 19, 24, and 13.

Thence I run

S 89°53' E on a true line bet. secs. 18 and 19

Descend over broken land along N. slope of range.

15.00 Bottom of descent, ravine bears N.W + S.E.

17.00 Begin ascent along N.W. slope of range of hills over ridges and ravines.

41.10 Deposited a charred stake 12 ins in the ground for ¼ sec. ~~cor bet secs 18 + 19~~; dug pits 18X18X12 ins. E. and W. of cor. 4 ft. dist.; and raised a mound of earth, 3½ ft. base, 1½ ft high over deposit

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

58.00 Begin descent along the N. slope over ridges and ravines.

81.10 The cor. of secs. 17, 18, 19, and 20.

Land rolling sand hills.

Soil. sandy 3rd rate

Vegetation sand and bunch grass

Aug 6 1895

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N 0°5' W bet. secs. 17 and 18

Descend along S. slope of ridge

6.00 Bottom of descent in narrow bottom 1 ch. wide bears N.45 W. and S 45 E.

7.00 Begin gradual ascent along S slope of range of sand hills.

26.50 Top of ascent, thence along W. face of range

34.00 Begin descent along N.W. slope

40.00 Deposited a charred stake 12 ins. in the ground for ¼ sec cor. ~~bet. secs 17 and 18~~; dug pits 18X18X12 ins., N. and S. of cor 4 ft. dist. and raised a mound of earth 3½ ft. base 1½ ft. high over deposit.

In S pit drove an oak stake 2 ft. long, 2 ins



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

Descend over ridges and ravines along N.W. slope

72.00 Enter basin like bottom, bears N W and S E.

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 7, 8, 17, and 18, marked

T.21 N. S.8 on N.E.,

R.40 W. S.17 on S.E.,

S.18 on S.W. and

S.7 on N.W. faces; with 4 notches on S. and 5 notches on E. edges; dug pits 18X18X12 ins, in each sec 5½ ft dist.; and raised a mound of earth 4 ft. base, 2 ft. high, W. of cor.

Land hilly

Soil sandy 8th rate

Vegetation, bunch and prairie grass.

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N.87°32 E. on a random line bet. secs 8 and 17

40.00 Set temp ¼ sec cor.

79.98 Intersect N. and S. line 7 lks. N. of cor. of secs 8, 9, 16 and 17

Thence I run

S 89°35' W. on a true line bet. secs. 8 and 17

Descend along N.W. slope over low foot hills.

12.00 Bottom of descent in neck of valley. thence over low foot hills

33.00 Enter neck of valley bears N.E. and S.W.

36.00 Leave valley, begin ascent along N E slope of range

39.99 Deposited a charred stake 12 ins. in the ground for ¼ sec cor. ~~bet. secs. 8 and 17~~; dug pits 18X18X12 ins. E and W. of cor 4 ft. dist.; and raised a mound of earth 3½ ft base 1½ ft high, over deposit.

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

Perry A Geast's wind-mill bears N 30° E 20 ch

Chains.

dist.

41.50 Top of ascent on ridge, bears N. and S. 30 ft high, thence descend along S.W. face of ridge.

74.00 Enter level land bears N.E. and S.W.

79.98 The cor. of secs 7, 8, 17, and 18.

Land, low sand hills.

Soil sandy 3rd rate.

Vegetation, sand and bunch grass.

July 13 1895

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N 89°58' W on a random line bet. secs 7 and 18.

40.00 Set temp. ¼ sec. cor.

80.88 Intersect W. bdy of Tp. 7 lks N. of cor. of secs. 7, 12, 13, and 18.

Thence I run.

S 89°56' E. on a true line bet. secs. 7 and 18.

Ascend along S.W. slope of range over low ridges and ravines

34.00 Top of ascent, thence along S face of range over broken land

40.88 Deposited a charred stake 12 ins in the ground for ¼ sec. cor. ~~bet. secs 7 and 18;~~ dug pits 18X18X12 ins. E and W. of cor, 4 ft. dist; and raised a mound of earth 3½ ft. base 1½ ft. high over deposit.

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

This ~~¼ sec~~ cor is situated on S face of range

Ascend slightly from cor.

45.50 Begin descent along S.E. slope of range.

63.00 Bottom of descent, enter valley bears, N 60° E and S 60° W.

80.88 The cor. of secs. 7, 8, 17, and 18

Land hilly and level.

Soil, sandy 3rd rate.

Vegetation, sand and prairie grass.

Aug 6 1895

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Chains.

N 0°5' W. bet secs 7 and 8

2.00 Leave level land, ascend along S.E. slope of range.

12.00 Top of ascent 20 ft. above cor., thence along E face of range.

19.00 Begin descent along N.E. slope.

23.00 Enter level land, bears E and W.

40.00 Deposited a charred stake 12 ins in the ground for ¼ sec. cor bet. ~~secs 7 and 8; dug~~ pits 18X18X12 ins N. and S. of cor 4 ft. dist.; and raised a mound of earth 3½ ft. base, 1½ ft. high, over deposit.

In S pit drove an oak stake 2 ft. long, 2 ins Sq., 12 ins. in the ground, marked ¼ S on W. face.

44.00 Ranch trail bears N. 45° W.

47.00 Begin ascent along S slope of range of hills

54.00 Top of ascent on S slope of range, ascend along S face over rolling land.

77.00 Top of range, thence over rolling land.

80.00 Deposited a charred stake 12 ins. in the ground for cor of secs 5, 6, 7, and 8; dug pits 18X18X12 ins. in each sec. 4 ft. dist; and raised a mound of earth 4 ft. base 2 ft. high over deposit.

In S.E. pit drove an oak stake 2 ft long 2 ins. sq., 12 ins in the ground, marked T.21 N. S.5 on N.E.,
R.40 W S.8 on S.E.,
S.7 on S.W. and
S.6 on N.W. faces; with 5 notches on the S. and E. edges

Land, level and hilly

Soil, sandy 3rd rate

Vegetation, bunch grass.

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N 89°35' E. on a random line bet. secs. 5 and 8.

40.00 Set temp. ¼ sec cor

79.84 Intersect N. and S. line at cor of secs 4, 5, 8 and 9

## Subdivision of T. 21 N., R. 40 W – Continued

Chains

Thence I run:
S 87° 35' W. on a true line bet. secs. 5 and 8.
Over level land
18.00 Begin abrupt ascent along N. E. slope of range of hills
25.00 Top of bluff, bears N 10° E and S 10° W, 100 ft above bottom. thence ascend over broken land along top of range
37.00 Ridge bears N. and S. descend along W. slope
39.92 Deposited a charred stake 12 ins. in the ground for 1/4 sec. cor. ~~bet. secs. 5 and 8~~; dug pits 18X18X12 ins E and W. of cor. 4 ft. dist.; and raised a mound of earth 3½ ft. base, 1½ ft high over deposit.
In E. pit drove an oak stake 2 ft. long 2 ins. sq., 12 ins in the ground, marked 1/4 S on N. face.
Over rolling land along top of range
75.00 Ravine 20 ft deep, bears E and S.
79.84 The cor of secs. 5, 6, 7, and 8.
Land, sand hills
Soil sandy 3rd rate
Vegetation Sand and bunch grass
July 13 1895

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N. 89° 56' W. on a random line bet. secs. 6 and 7.
40.00 Set temp. 1/4 sec cor.
80.25 Intersect W. bdy of Tp. at cor. of secs. 1, 6, 7, and 12.
Thence I run
S 89° 56' E. on a true line bet. secs. 6 and 7
Descend abruptly along S.E. slope of range.
24.00 Bottom of descent. ravine or pass bears N and S.
Ascend over low sand ridges.
37.50 Top of ascent on ridge 30 ft high, descend along E. slope
38.50 Bottom of descent, thence over level land
40.25 Deposited a charred stake 12 ins. in the ground for 1/4 sec. cor. ~~bet. secs. 6 and 7~~; dug pits 18X18X12 ins, E and W. of cor 4 ft. dist.; and raised a mound of earth 3½ ft base,



## Subdivision of T. 21 N., R. 40 W – Concluded

Chains

1½ ft. high, over deposit.
In E. pit drove an oak stake 2 ft. long 2 ins. sq., 12 ins in the ground, marked 1/4 S on N. face
44.35 Ranch trail bears N 20° W. ascend over low broken sand hills
54.00 Top of ascent. thence over rolling land along the top of range
80.25 The cor. of secs 5, 6, 7 and 8.
Land, hilly and level.
Soil, sandy 3rd rate
Vegetation, sand and bunch grass

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N 0° 5' W. on a random line bet. secs. 5 and 6.
40.00 Set temp 1/4 sec. cor
80.04 Intersect N. bdy. of Tp. 15 lks. W. of cor of secs. 5, 6, 31 and 32.
Thence I run
S 0° 1' W. on a true line bet. secs. 5 and 6.
Descend slightly along S.W. slope of range over low ridges and ravines
19.00 Bottom of descent in neck of valley, bears N.E. and S.W.
23.00 Leave bottom, ascend over rolling land bears N.W. and S.E.
40.04 Deposited a charred stake 12 ins. in the ground, for 1/4 sec cor ~~bet. secs. 5 and 6~~; dug pits 18X18X12 ins N. and S of cor. 4 ft. dist.; and raised a mound of earth 3½ ft base 1½ ft high over deposit.
In S pit drove an oak stake 2 ft. long, 2 ins. sq., 12 ins ~~in the ground~~ marked 1/4 S on W. face
Ascend along N slope of range.
53.00 Top of ascent 50 ft high, thence over rolling ground along top of range
80.04 The cor of secs 5, 6, 7, and 8
Land, rolling and hilly.

Subdivision of T.21 N., R40 W. – Concluded

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

Aug 6 1895

General Description.

This Township is a series of sand ranges and bluffs of a broken nature. with irregular alkali basins or valleys between the hills –
The soil is very sandy and unfit for cultivation –
No Water or timber found in township

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

Aug. 6 - 1895.

Note: – The directions of the initial meridional section lines of this township are referred to the line run as tangent to the 5th Standard Parallel, in the resurvey of that line through this range.

Willard W. Alt
U.S. Surveyor



Claim lines of T. 21 N. R. 40 W.

Chains. (No. 37)

The T.C. claim of Perry A. Neast. on secs. 36.- T.22 R.41 – 1, T21 R41.- 6, T21 R.40. and 31. T22 R40. area 152.76 acres.

The NW. cor. is a post in mound. with 4 pits and was established by the County Surveyor of Sevel co.
This cor. bears from the cor. of Ts. 21 and 22 N. Rs 40 + 41 W. – N. 19°11' W. 19.67 chs. dist.
Lat. 18.58 N.: Dep. 6.46 chs. W.
1527.6 sq. chs. divided by 40. gives 38.19 chs. for the width of claim.
From the NW. cor of the claim I run South, on true line along W. bdy.
Over nearly level ground.

20.33 Wire fence: bears N. 80° W.
22.00 Begin gradual ascent along NE. slope, over rolling ground.
32.00 Top of ascent 30 ft. high: thence over rolling land.
40.00 Deposit a charred stake 12 ins. in the ground for Sw. cor. of claim. dug pits 18x18x12 ins. N. and E. of cor. 4 ft. dist. and raised a mound of earth. 3½ ft. base 1½ ft. high, over deposit.
In N. pit drove an oak stake 2 ft. long, 2 ins. sq. 12 ins. in the ground, marked
PAY: on NE. face.

From the NW. cor. of the claim. I run East. on true line, along N. bdy. of the claim.
Over nearly level ground.

21.49 Wire fence: bears N. 80° W.
23.00 Trail: " N. 60° W.
30.00 Trail: " N.E. and Sw., to Hyannis.
38.19 Deposit a charred stake 12 ins. in the ground for the NE. cor. of claim: dug pits 18x18x12 ins. S. and W. of cor. 4 ft. dist. and raised a mound of earth 3½ ft. base 1½ ft. high. over deposit.
In S. pit. drove an oak stake 2 ft. long 2 ins. sq.

Claim lines of T. 21 N., R. 40 W.

chains

12 ins. in the ground, marked
PAY: on Sw. face.
From this cor. the ranch house bears S. 53°45' W.
about 8 chs. dist.

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Thence I run
South, on E. bdy. of the claim.
Over rolling ground.
2.39 Wire fence: bears N. 85° E.; enter plowed field.
32.60 Leave plowed field, at wire fence: bears N. 80° W.
thence, over rolling sandy ground.
40.00 Set temp S.E. cor. of the claim.

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From the Sw. cor. of the claim. I run
East, along S. bdy.
Ascend slightly over rolling land.
19.00 Begin descent from bluff, along E. slope.
28.00 Enter rolling valley: N. 50° W.
35.50 Trail: bears NW. & SE.
38.19 The temp. S.E. cor.
Deposit a charred stake 12 ins. in the ground
for S.E. cor. of claim. dug pits 18 x 18 x 12 ins N. and
W. of cor. 4 ft. dist. and raised a mound of
earth 3½ ft. base 1½ ft. high, over deposit.
In N. pit drove an oak stake 2 ft. long 2 ins.
sq. 12 ins. in the ground, marked
PAY: on NW. face.
Land. mostly dry rolling bottom.
Soil. sandy: 2nd & 3rd rates.

November 8, 1895.

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## List of Names.

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

For list of 1 mes and finish oaths
Our book of Conclusions and claim
Lines of T 23 N. R 38 West

### Final Oath of Assistants:

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

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

SEAL

6—151

Land. sand hills.

4

# Final Oath of U. S. Deputy Surveyor.

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

.....Meridian, in the ....., as are represented in the foregoing field notes as having been surveyed by me, and under my directions; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the surveying manual, printed instructions, the special written instructions of the U. S. Surveyor General for ..... and in the specific manner described in the field notes, and that the foregoing are the true field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

.....

*U. S. Deputy Surveyor.*

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

SEAL

.....

.....

## Approval.

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

Washington D.C. April 30th, 1897.

The foregoing field notes of the re survey of the subdivision and claim lines of Township No. 21 North Range No. 40 West of the 6th principal Meridian State of Nebraska.

..... executed by Wilbur W. Alt. U. S. Surveyor under his Contract No. ....., dated December 26, 1894, having been critically examined, the necessary corrections and explanations made, the said field notes, and the re surveys they describe, are hereby approved.

Binger Hermann

~~U. S. Surveyor General.~~

Commissioner and ex officio Surveyor General for Nebraska

I certify that the foregoing transcript of the field notes of the above-described surveys in 21 N. R 40 W, has been correctly copied from the original notes on file in this office.

Binger Hermann

~~U. S. Surveyor General.~~

Commissioner and ex officio Surveyor General for Nebraska.

Land, sand hills.

# General Land Office • Original Field Notes

## Book Number

# 780

W.W. Alt Subdivision of T 21 N - R 40 W

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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.