General Land Office • Original Field Notes

Book Number

778

W.W. Alt Subdivision of T 22 N - R 37 W

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

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

Duplicate

Ex 10-24-1903
R.H.
3 Errors

4—679.

FIELD NOTES

OF THE SURVEY OF THE

Subdivision
and
Claim Lines
of
Township No. 22 North,
Range 37 West

Of the 6th Principal Meridian,

State of Nebraska

AS SURVEYED BY

Willard W. Alt, United States Deputy Surveyor,

Under his Contract ~~No.~~ ——, dated April 17, 1899

Survey commenced Jan. 24, ~~189~~ 1900

Survey completed June 13, ~~189~~ 1900

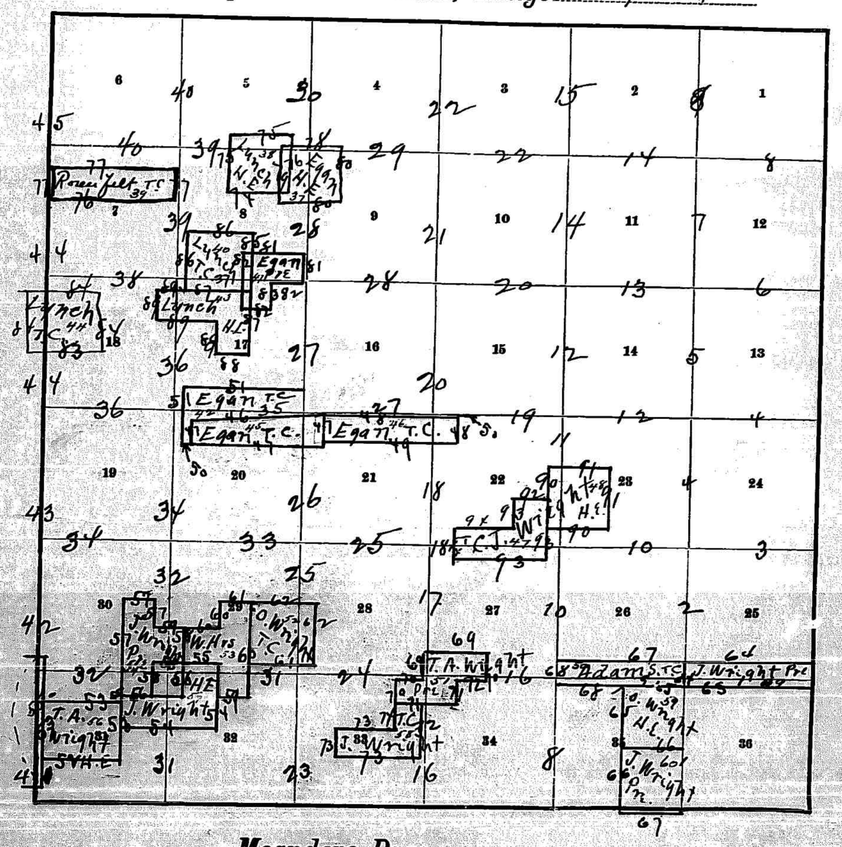
6—151

NAMES AND DUTIES OF ASSISTANTS.

Joseph B. Korn, Chainman.
Charles J. Betts, " "
Albert Clausen, " "
Elijah L. Chaney, " "
Harry Bowers, Flagman
William Garber, " "
Albert Clausen, Monumentman.
John Williams, " "

INDEX DIAGRAM.

Township 22 N., *Range* 37 W.



Meanders Page

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 over 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 Township 22 N. Range 37 West.

Chains.	
	I commence at the corner of Secs. 1, 2, 35 and 36 on the South boundary of Tp. and run N. 0° 1' W. bet. Secs. 35 and 36.
	Over rolling ground.
3.70	South edge slough. runs N. 6° W. for 20 chains.
7.70	N. edge slough
15.00	Ascend low hills.
20.00	Top of ascent 40 ft. high, on low hills.
34.40	Descend gently
34.97	Wire fence bears N. 70° W.
38.00	Bottom of descent, thence over rolling foothills.
40.00	Deposit charred stake 12 ins. in ground for ¼ Sec. Cor. 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 a Cedar stake 2 ft. long 2 ins. sq. 12 ins. in ground, marked ¼ S. on W. face.
47.60	Ranch trail runs N. 80° W.
50.00	Descend gently
59.00	Enter level meadow land.
80.00	Deposit charred stake 12 ins. in ground for Cor. of Secs. 25, 26, 35 and 36. 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 ground, marked T. 22 N. S. 25 on N.E. R. 37 W. S. 36 on S.E. S. 35 on S.W. and S. 26 on N.W. face, with 1 notch on S. and E. edges.
	Land level and rolling
	Soil, sandy 1st and 4th rate.
	East on a random line bet. Secs. 25 and 36.
40.00	Set temp ¼ Sec. Cor.

Subdivision of T. 22 N. R. 37 W. Continued.

Chains

79.86 Intersect E. Bdry. of Tp. 15 lks. North of the Cor. of Secs. 25, 30, 31. and 36.
Thence I run
N. 89°54' W. on a true line bet. Secs. 25. and 36.
Over rolling ground
35.50 Trail runs Sc. and W.
38.85 Wire fence runs S. 10° E.. enter old plowing
39.93 Deposit charred stake 12 ins. in ground for 1/4 Sec. Cor. dug pits 18X18X12 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.
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
42.45 Leave plowing, thence over level ground on N. edge meadow—
79.86 The Cor. of Secs. 25, 26, 35 and 36.
Land, Level –
Soil, sandy 1st and 2nd rate.

N. 0°1' W. bet. Secs. 25 and 26.
Over level ground
1.50 Ranch trail, runs E. and W.
5.00 Ascend gradual S. slope.
15.40 Wire fence, runs N. 10° W..
25.00 Top of ascent. 75 ft. thence over broken ground.
34.50 Descend N. slope gradually.
40.00 Deposit charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. N. and S. of Cor. 4 ft. dist and raised a mound of earth 3 1/2 ft. base 1 1/2 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 N. face
45.00 Trail, runs N. 70° W.
50.00 Bottom of descent in basin like valley.
64.00 Ascend SE. slope hills.
69.00 Top of ascent. 50 ft. thence ascend S face.
80.00 Deposit charred stake 12 ins. in ground for Cor. of Secs. 23, 24, 25. and 26. dug pits

Subdivision of T. 22 N. R. 37 W. Continued.

Chains

18X18X12 ins. in each Sec. 4 ft. dist. and raised a mound of earth 4 ft. base 2 ft. high over deposit.
In SE. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground. marked
T. 22 N. S. 24 on N. E.
R. 37 W. S. 25 on SE.
S. 26 on SW. and
S. 23 on N. W. face with 2 notches on S. and 1 notch on east edges.
Land, level and broken.
Soil, sandy 1st and 4th rate.

S. 89°54' E. on a random line bet. Secs. 24 and 25.
40.00 Set temp 1/4 Sec. Cor.
80.06 Intersect E. bdry of Tp. 5 lks N. of the Cor. of Secs. 19, 24, 25 and 30.
Thence I run
N. 89°52' W. on a true line bet. Secs. 24 and 25.
Ascend gently along SW. face hills.
5.00 Top of ascent 40 ft. above Cor. descend SW. face low range
40.00 Deposit charred stake 12 ins. in ground for 1/4 Sec. Cor. dug pits 18X18X12 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.
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—
45.00 Low ridge – 20 ft. above 1/4 – descend
56.00 Trail, runs N. and S. at bottom descent in N edge valley
66.00 Ascend SE. face hills.
68.50 Top, on S. face
74.50 Descend –
80.60 The Cor. of Secs. 23, 24, 25 and 26.
Land rolling and broken
Soil, sandy 3rd and 4th rate

Jan. 24 1900

Subdivision of T. 22 N. R. 37 W. Continued.

Chains

N. 0°1' W. bet. Secs. 23 and 24.
Ascend over broken ground on S. face hills.
31.00 Top of ascent on low range of hills
36.00 Descend N. slope, gradually.
40.00 Deposit charred stake 12 ins. in the ground for 1/4 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
1/4 S. on W. face
44.90 Wire fence runs E. and W.
50.00 Enter basin like valley.
60.00 Ascend low hills.
71.00 Top of ascent, 40 ft. on E. face foot hills
80.00 Set an Oak Post 3 ft. long 2 ins. sq. with a charred stake 24 ins. in the ground for Cor. of Secs. 13, 14, 23 and 24. marked
T. 22 N. S. 13 on N.E.
R. 37 W. S. 24 on S.E.
S. 23 on S.W. and
S. 14 on N.W. face with 3 notches on S. and 1 notch 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, West of Corner.
Land level and broken
Soil, sandy 4th rate.

S. 89°52' E. on a random line bet. Secs. 13 and 24.
40.00 Set temp 1/4 Sec. Cor.
80.10 Intersect E. bdry of Tp. 5 Chs. S. of the Cor. of Secs. 13, 18, 19 and 24.
Thence I run
N. 89°54' W. on a true line bet. Secs. 13 and 24.
Over rolling ground on top range of hills.
19.50 Descend W. face.
40.05 Deposit charred stake 12 ins in ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. E. and W. of Cor. 4 ft. dist. and raised a mound of earth

Subdivision of T. 22 N. R. 37 W. Continued.

Chains

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 W. face.
57.60 Descend W. slope.
61.10 Bottom of descent in neck of valley N. and S.
68.00 Trail runs N. and S.
72.00 Ascend foot hills.
78.00 Top 40 ft. — above trail.
80.10 The Cor. of Secs. 13, 14, 23 and 24.
Land rolling and broken.
Soil sandy 4th rate.

N. 0°1' W. bet. Secs. 13 and 14.
Ascend low hills.
3.00 Top of ascent 30 ft. above Cor. Descend N. slope.
13.00 Bottom of descent in W. edge valley.
35.00 Ascend gently along S.E. slope foot hills.
40.00 Deposit charred stake 12 ins. in ground for 1/4 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 ground, marked
1/4 S. on W. face.
47.00 Ascend S. slope, abruptly —
50.50 Top of ascent 50 ft. on E. face hills.
60.20 Descend N.E. slope
78.00 Enter rolling valley —
80.00 Deposit charred stake 12 ins. in ground for Cor. of Secs. 11, 12, 13 and 14. 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. 22 N. S. 13 on N.E.
R. 37 W. S. 13 on S.E.
S. 14 on S.W. and
S. 11 on N.W. face —
Land, rolling and broken. Soil, sandy 4th rate.

Subdivision of T. 22 N. R 37 W. Continued.

Chains

S. 89°54' E. on a random line bet. Secs. 12. and 13.

40.00 Set temp ¼ Sec. Cor.

79.90 Intersect E. bdry of Tp. 5 lks. S. of the Cor. of Secs. 7, 12, 13. and 18.

Thence I run

N. 89°56' W. on a true line bet. Secs. 12. and 13.

Descend foot hills. gently.

9.00 Enter rolling land

9.90 Trail, runs N. 10° E.,

17.00 Ascend E. slope hills

29.00 Top of ascent 80 ft.

35.00 Descend gently along N. slope.

39.95 Deposit charred stake 12 ins. in ground for ¼ Sec. Cor. 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 —

65.00 Bottom of descent, thence over rolling ground. in S. edge valley

79.90 The Cor. of Secs. 11, 12, 13. and 14.

Land rolling. and broken

Soil, sandy 4th rate.

N. 0°1' W. bet. Secs. 11. and 12

Over rolling ground.

28.00 Ascend SW. slope hills.

38.00 Top of ascent 50 ft on N. face hills.

40.00 Deposit 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 N. face.

44.00 Descend N.W. slope.

58.00 Bottom of descent in ravine. at trail running N.E. and SW.

Subdivision of T. 22 N. R. 37 W. Continued.

Chains

60.00 ascend SE. slope.

70.00 Top of ascent thence over low hills.

80.00 Deposit charred stake 12 ins. in 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 SE. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked

T. 22 N. S. 1 on N.E.

R. 37 W. S. 12 on SE.

S. 11 on SW. and

S 2 on N.W. face with 5 notches on S. and 1 notch on E. edges —

Land rolling.

Soil, sandy 4th rate.

S. 89°58' E on a random line bet. Secs. 1. and 12.

40.00 Set temp ¼ Sec. Cor.

79.88 Intersect W. bdry of Tp. 16 lks. North of the Cor. of Secs. 1, 6, 7. and 12.

Thence I run

N. 89°49' W. on a true line bet. Secs. 1. and 12.

Descend SW. slope. gently.

11.50 Trail, runs NW. and SE. at bottom descent.

Ascend N.E. slope

16.50 Top of ascent on N. face low ridge - descend gently.

31.00 Enter rolling land.

39.50 Trail, runs - N. 70° E.,

39.94 Deposit charred stake 12 ins. in ground for ¼ Sec. Cor. 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 Ascend low hills.

77.50 Top of ascent 45 ft. over broken ground

Land rolling and broken

Soil, sandy 4th rate —

May. 7. 1900.

Subdivision of T. 22 N. R. 37 W. Continued.

Chains.

N. 0° 1' W. on a random line bet. Secs. 1. and 2.

40.00 Set temp ¼ Sec. Cor.

80.00 Intersect N. bdry of Tp. 28 lks. E. of the Cor. of Secs. 1, 2, 35 and 36.

Thence I run

S. 0° 13' E. on a true line bet. Secs. 1 and 2.

Over rolling ground.

11.00 Ascend N. slope gradually.

29.00 Top of ascent, thence along N. face range over broken ground.

39.50 Top of range 185 ft. above valley.

40.00 Deposit charred stake 12 ins. in 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 N. face.

Descend over broken ground.

57.00 Bottom descent, thence over foot hills.

80.00 The Cor. of Secs. 1, 2, 11 and 12.

Land rolling and broken

Soil, sandy 4th rate.

May. 8. 1900

From the Cor. of Secs. 2, 3, 34 and 35 on the S. bdry of Tp. I run.

N. 0° 2' W. bet. Secs. 34 and 35.

Descend N. slope gradually.

13.50 Ranch trail runs E and W.

22.00 Ascend SE. slope

32.00 Top of ascent 80 ft. on E. face hills.

40.00 Deposit 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.

Subdivision of T. 22 N. R. 37 West. Continued.

Chains.

¼ S. on W. face.

45.50 Descend N. slope

52.00 Bottom descent, thence over low hills.

62.30 Ranch trail runs E. and W.

69.00 Ascend S. slope over broken ground.

80.00 Deposit charred stake 12 ins. in the ground for Cor. of Secs. 26, 27, 34 and 35. 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 SE. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked

T. 22 N. S. 26 on NE.

R. 37 W. S. 35 on SE.

S. 34 on SW. and

S. 27 on NW. face, with one notch on S. and 2 notches on E. edges.

Land rolling and broken.

Soil, sandy 4th rate.

East on a random line bet. Secs. 26 and 35.

40.00 Set temp ¼ Sec. Cor.

80.00 Intersect N. and S line 8 lks S. of the Cor. of Secs. 25, 26, 35 and 36.

Thence I run.

S. 89° 57' W. on a true line bet. Secs. 26 and 35.

1 Over level ground in N. edge valley.

19.85 Trail N. 70° E.

39.00 Ascend SE. slope.

40.00 Deposit charred stake 12 ins. in ground for ¼ Sec. Cor. 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

47.00 Top of ascent 80 ft. on S. face hills.

60.00 Descend SW. face over broken ground.

80.00 The Cor. of Secs. 26, 27, 34 and 35.

Land level and broken.

Soil, sandy 2nd and 4th rate.

Subdivision of T. 22 N. R. 37 W. Continued.

Chains

N. 0°2' W. bet. Secs. 26 and 27.
Ascend over broken ground.
10.70 Top of ascent on E. face ridge
20.00 Descend N. slope
40.00 Deposit charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. N. and S. of Cor. 4 ft. dist. and raised a mound of earth 3 1/2 ft. base 1 1/2 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.
45.00 Bottom of descent over foot hills.
48.00 Ascend low hills
68.50 Top of ascent, thence over broken ground.
80.00 Deposit charred stake 12 ins. in the ground for Cor. of Secs. 22, 23, 26 and 27. 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 SE. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked
T. 22 N. S. 23 on N.E.
R. 37 W. S. 26 on SE.
S. 27 on SW. and
S. 22 on N.W. face with 2 notches on S. and E. edges.
Land broken
Soil, sandy 4th rate.

Jan. 24, 1900

N. 89°57' E. on a random line bet. Secs. 23 and 26.
40.00 Set temp. 1/4 Sec. Cor.
80.12 Intersect N. and S. line 3 lks N. of the Cor of Secs. 23, 24, 25 and 26.
Thence I run
S. 89°58' W. on a true line bet. Secs. 23 and 26.
Ascend SE. face hills
8.50 Top of ascent — thence along S. face
14.50 Descend S.W. face over ridges,
27.40 Ridge runs N. W. and SE. descend.

Subdivision of T. 22 N. R. 37 W. Continued.

Chains

33.50 Wire fence, runs N. 20° W. thence over low hills.
40.06 Deposit charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18X18X12 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.
In E. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked
1/4 S. on W. face
61.30 Trail, runs N.W. and SE. ascend N.E. slope low hills.
73.00 Top of ascent on N. face hills
80.12 The Cor. of Secs. 22, 23, 26 and 27.
Land rolling and broken
Soil, sandy 4th rate.

N. 0°2' W. bet. Secs. 22 and 23.
Descend N. slope gradually
13.25 Trail, bears S. 60° E. enter level ground.
30.00 Ascend S. slope.
36.00 Top of ascent 60 ft. on S. face hills.
38.74 Wire fence runs S. 70° W.
40.00 Deposit charred stake 12 ins. in ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. N. and S. of Cor. 4 ft. dist and raised a mound of earth 3 1/2 ft. base 1 1/2 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 broken ground on S. face hills
56.00 Top range of hills, descend gently.
75.00 Wire fence runs N.W. and SE.
80.00 Deposit charred stake 12 ins. in the ground for Cor. of Secs. 14, 15, 22 and 23, 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 SE. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked
T. 22 N. S. 14 on N. E.

Subdivision of T. 22 N. R. 37 W. Continued.

Chains

R. 37 W. S 23 on S.E.
S. 22 on S.W. and
S. 15 on N.W. face with 3 notches on S. and 2 notches on E. edges —
Land ~~Rock~~ and broken
Soil, sandy 2nd and 4th rate.

N. 89° 58' E. on a random line bet. Secs. 14 and 23.
40.00 Set temp 1/4 Sec. Cor.
80.20 Intersect N. and S. line 30 lks. N. of the Cor. of Secs. 13, 14, 23 and 24.
Thence I run
N. 89° 49' W. on a true line bet. Secs. 14 and 23.
Ascend E. face hills over very broken ground.
36.00 Top of ascent 100 ft. —
37.00 Descend W. face.
40.10 Deposit charred stake 12 ins. in the ground for 1/4 Sec. Cor. 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.
In E. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked
1/4 S. on W. face
49.90 Descend W. slope
62.00 Bottom of descent thence over rolling ground on N. slope ~~low hills~~.
80.20. The Cor. of Secs. 14, 15, 22 and 23.
Land broken
Soil, sandy 4th rate.

N. 0° 2' W. bet. Secs. 14 and 15.
8.00 Descend gently.
17.00 Bottom of descent, ~~thence~~ ascend gently along S.E. slope hills.
38.00 Top of ascent 30 ft on E. face hills.
40.00 Deposit charred stake 12 ins. in the ground for 1/4 Sec. Cor. dug pits 18 X 18 X 12 ins. W. and S. of Cor. 4 ft. dist. and raised a mound

Subdivision of T. 22 N. R. 37 W. Continued.

Chains

of earth 3 1/2 ft. base 1 1/2 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 —
47.00 Ascend abruptly along S. slope.
53.00 Top of ascent 80 ft., thence over broken ground.
78.00 Descend N. slope
80.00 Deposit 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. 22 N. S. 11 on N.E.
R. 37 W. S 14 on S.E.
S. 15 on S.W. and
S. 10 on N.W. face. with 4 notches on S. and 2 notches on E. edges.
Land rolling and broken
Soil, sandy 4th rate.

S. 89° 49' E. on a random line bet. Secs. 11 and 14
40.00 Set temp 1/4 Sec. Cor.
80.20 Intersect N. and S. line 3 lks. N. of the Cor. of Secs. 11, 12, 13 and 14.
Thence I run
N. 89° 48' W. on a true line bet. Secs. 11 and 14.
Over rolling ground.
3.00 Ascend N.E. slope hills.
23.00 Top of ascent on N. slope.
35.00 Descend over rolling ground.
40.10 Deposit charred stake 12 ins. in the ground for 1/4 Sec. Cor. 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.
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.

Chains.

50.00 Bottom descent, thence along N.E. slope.
72.00 Top of ascent on N face hills.
80.20 The Cor. of Secs. 10, 11, 14 and 15
Land rolling and broken
Soil, sandy 4th rate

N. 0°2' W. bet. Secs. 10 and 11.

61.00 Descend N. slope range gradually
24.95 Bottom descent at trail running N.W. and S.E.
26.00 Mound S. slope.
40.00 Deposit charred stake 12 ins. in ground for 1/4 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
1/4 S. on N. face
41.00 Top of ascent on N. face hills.—
44.50 Descend N. slope.
63.00 Bottom descent in east end of valley—
70.00 Ascend S.W. slope
80.00 Deposit 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. 22 N S. 2 on N.E.
R. 37 W. S. 11 on S.E.
S. 10 on S.W. and
S. 1 on N.W. face – with 5 notches on S. and 2 notches on E. edges
Land rolling and broken
Soil, sandy 4th rate.

S. 89°48' E. on a random line bet. Secs. 2 and 11.

40.00 Set temp 1/4 Sec. Cor.
80.34 Intersect N. and S. line 16 lks. S. of the Cor. of Secs. 1, 2, 11 and 12.

Chains.

Thence I run
N. 89°05' W. on a true line bet. Secs. 2 and 11.
Over foot hills ascending gently.
35.00 Top. thence over very broken ground and ridges.
40.17 Deposit charred stake 12 ins. in the ground for 1/4 Sec. Cor. 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
40.00 Descend W. face.
69.00 Descend W. slope
80.34 The Cor. of Secs. 2, 3, 10 and 11
Land, broken –
Soil, sandy 4th rate.—

May 8. 1900

N. 0°2' W. on a random line bet. Secs. 2 and 3.

40.00 Set temp 1/4 Sec. Cor.
79.70 Intersect the N. bdry of Tp. 17 lks. E. of the Cor. of Secs. 2, 3, 34 and 35.
Thence I run
S. 0°9' E. on a true line bet. Secs. 2 and 3.
Ascend gently along N. slope range
39.70 Deposit Iron casting 12 ins. in the ground for 1/4 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
1/4 S. on N. face
42.00 Top of ascent 70 ft. on E. face hills, descend
53.00 Bottom descent.
56.20 Trail runs E. and W. ascend gently along N.W. slope.
71.00 Top on W. face low hills.
79.70 The Cor. of Secs. 2, 3, 10 and 11.
Land rolling and broken.
Soil, sandy 4th rate.

May 9. 1900

Subdivision of T. 22 N. R. 37 W. Continued.

Chains.

From the Cor of Secs 3, 4, 33 and 34, on S. Bdry of Tp. Town
N. 0°2' W. bet. Secs. 33 and 34.
Descend N. slope low hills.
2.00 Enter rolling ground
11.50 Trail runs N.W. and S.E.
12.00 Ascend N. slope low hills
28.00 Top of ascent on N. slope, descend gently.
40.00 Deposit charred stake 12 ins. in the ground for 1/4 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
1/4 S on N. face
58.00 Enter level meadow land
77.00 Ascend gently
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
T. 22 N. S. 27 on N.E.
R. 37 W. S. 34 on S.E.
S. 33 on S.W. and
S. 28 on N.W. face. with 1 notch on S. and 3 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 level and rolling
Soil, sandy 2nd and 3rd rate.

East on a random line bet. Secs. 27 and 34.
40.00 Set temp 1/4 Sec Cor.
79.86 Intersect N and S. line 2 chs N of the Cor. of Secs 26, 27 34 and 35.
Thence I run
N 89° 51' W on a true line bet. Secs. 27 and 34.
Ascend over very broken ground on S. face hills.
8.50 Low ridge
21.00 Ridge, descend S.W. slope

Subdivision of T. 22 N R. 36 W. Continued.

Chains

38.00 Trail, runs N.W. and S.E.
39.93 Deposit charred stake 12 ins. in the ground for 1/4 Sec. Cor. 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
43.00 Enter level meadow land
78.00 Ascend gently
79.86 The Cor of Secs 27, 28, 33 and 34 -
Land level and broken -
Soil, sandy 1st and 4th rate.

N. 0°2' W. bet. Secs. 27 and 28.
2.50 Ascend abrupt S. slope
10.00 Top of abrupt ascent 100 ft. thence ascend S. face over broken ground.
21.00 Top of range on E. face Bluffs 200 ft. above valley.
30.00 Descend N.E. slope
40.00 Deposit charred stake 12 ins. in the ground for 1/4 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
1/4 S. on W. face
42.50 Bottom descent thence over nearly level ground.
52.95 Trail runs N.W. and S.E.
70.00 Trail, N.E. and S.W.
80.00 Deposit charred stake 12 ins in the ground for Cor. of Secs. 21, 22, 27 and 28. 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. 22 N. S. 22 on N.E.
R. 37 W. S. 27 on S.E.

Subdivision of T. 22 N. R. 37 W. Continued.

Chains

S.28 on SW. and
S. 21 on NW. face with 2 notches on S. and 3 notches on E. edges.
Land Broken and rolling.
Soil, sandy 3rd and 4th rate.

S. 89°51' E. on a random line bet. Secs. 22 and 27.
40.00 Set temp ¼ Sec. Cor.
79.76 Intersect N. and S. line 36 lks. S. of the Cor. of Secs. 22, 23, 26 and 27.
Thence I run
S. 89°53' W. on a true line bet. Secs 22 and 27. along N. slope low hills.
2.00 Descend gently.
20.00 Bottom descent thence over low foot hills.
37.88 Deposit charred stake 12 ins. in the ground for ¼ Sec. Cor. 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
45.00 Enter abandoned plowing N. and S.
63.75 Leave plowing at trail running N.E. and S.W.
70.00 Enter rolling valley land
79.76 The Cor of Secs. 21, 22, 27 and 28.
Land, level and rolling
Soil, sandy 3rd rate.

No. 2 W. bet. Secs. 21 and 22.
Over rolling ground
12.00 Round S. slope low hills.
18.28 Wire fence runs S. 80° W. and N 80° E.
23.00 Top of ascent. 30 ft.
28.50 Trail runs N. and SE.
38.00 Descend gradual N. slope.
40.00 Deposit charred stake, 2 ins. in the ground for ¼ Sec. Cor. dug pits 18 x 18 x 12 ins N. and S of Cor.

Subdivision of T. 22 N R. 37 W. Continued.

Chains

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 ground, marked
¼ S. on W. face
50.50 Enter level valley land.
80.00 Set an Oak Post. 3 ft. long 4 ins. sq. with a charred stake 24 ins. in ground, for Cor. of Secs. 15, 16, 21 and 22, marked
T. 22 N. S. 15 on NE.
R. 37 W. S. 22 on SE.
S. 21 on SW. and
S. 16 on NW. face. with 3 notches on S. and E. edges dug pits 18 x 18 x 12 ins. in each Sec. 5½ ft. dist and raised a mound of earth 4 ft. base 2 ft. high, W. of Cor.
Land, level and rolling –
Soil, sandy 1st and 4th rate

Jan. 25. 1900

N. 89°53' E. on a random line bet. Secs. 15 and 22.
40.00 Set temp ¼ Sec. Cor.
79.80 Intersect N and S. line 8 lks N. of the Cor. of Secs. 14, 15, 22 and 23.
Thence I run
S. 89°53' W. on a true line bet Secs 15 and 22. along N. slope low hills
3.48 Wire fence, runs N. W. and SE.
6.50 Descend gently
37.50 Trail, runs N. 10° W.
39.00 Enter level valley land
39.90 Deposit charred stake 12 ins. in ground for ¼ Sec. Cor. 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 ground, marked
¼ S. on N. face
42.00 Wire fence, runs N. 10° W. enter meadow land

Subdivision of T. 22 N. R. 37 Continued.

Chains.

79.80 The Cor. of Secs. 15, 16, 21 and 22.
Land, level and rolling.
Soil, sandy 1st and 4th rate.

N. 0°2' W. bet. Secs. 15 and 16.
Over level ground
18.60 Ascend S. slope
26.00 Top of ascent 60 ft. thence over broken ground.
34.00 Descend N. slope
40.00 Deposit charred stake [illegible] ins. in ground for 1/4 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 ground, marked
1/4 S. on W. face.
57.90 Trail, runs NW. and SE.
58.00 Bottom descent, thence over rolling valley
69.30 Trail, runs NE. and SW.
70.00 Ascend SE. slope.
78.00 Top 50 ft. on SE. face hills.
80.00 Deposit charred stake 12 ins. in ground for Cor. of Secs. 9, 10, 15 and 16. 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 SE. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground, marked
T. 22 N. S. 10 on NE.
R. 37 W. S. 15 on SE.
S. 16 on SW. and
S. 9 on NW. face, with 4 notches on S. and 3 notches on E. edges.
Land, level rolling and broken
Soil, sandy 1st and 4th rate.

N. 89°56' E. on a random line bet. Secs. 10 and 15.
40.00 Set temp 1/4 Sec. Cor.
79.86 Intersect N. and S. line 10 lks N. of the Cor. of Secs. 10, 11, 14 and 15.

Subdivision of T. 22 N. R. 37 W. Continued.

Chains

Thence I run
West on a true line bet. Secs. 10 and 15.
Ascend gently along N. & face hills.
21.00 Top 40 ft. above Cor. on N. face high hills, descend over broken ground.
39.43 Deposit charred stake 12 ins. in ground for 1/4 Sec. Cor. 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 ground, marked
1/4 S. on N. face.
61.00 Bottom of descent in neck of valley running N.E.
68.29 Wire fence runs N.E. and SW. at trail.
69.00 Ascend SE. slope.
79.00 Top of ascent 60 ft.
79.86 The Cor. of Secs. 9, 10, 15 and 16.
Land rolling and broken
Soil, sandy 4th rate.

N. 0°2' W. bet. Secs. 9, and 10.
Ascend along SE. face range over ridges and ravines.
30.00 Top of ascent, thence over broken ground.
40.00 Deposit charred stake 12 ins. in ground for 1/4 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 ground, marked
1/4 S. on W. face
52.00 Descend gradually along N. slope.
80.00 Set an Oak post 3 ft. long 4 ins. sq. with a charred stake 24 ins. in ground for Cor. of Secs. 3, 4, 9 and 10. marked
T. 22 N. S. 9 on NE.
R. 37 W. S. 10 on SE.
S. 9 on SW. and
S. 4 on N. W. faces, with 5 notches on S. and

Subdivision of T. 22 N. R. 37 W. Continued.

Chains

3 notches on E. edges. dug pits 18x18x12 ins in each Sec. 5 ½ ft. dist. and raised a mound of earth 4 ft. base 2 ft. high, W. of Cor.
Land, broken.
Soil, sandy 4th rate.

East on a random line bet. Secs. 3 and 10.
40.00 Set temp ¼ Sec. Cor.
79.80 Intersect N. and S. line 14 lks N. of the Cor. of Secs. 2, 3, 10 and 11.
Thence I run
N. 89° 54' W. on a true line bet. Secs. 3 and 10
Descend gently along W. slope.
4.00 Bottom descent, thence over low foot hills.
32.90 Descend gently
39.90 Deposit broken iron casting 12 ins. in ground for ¼ Sec. Cor. 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 ground, marked
¼ S. on N. face.
51.00 Enter rolling valley N.W. and S.E.
57.00 Ascend gently along N. slope
60.60 Wire fence runs N. and S.
72.00 Top of ascent, thence over rolling ground sloping to N.
79.50 The Cor. of Secs. 3, 4, 9 and 10.
Land, rolling.
Soil, sandy 4th rate. May 8. 1900.

N. 0° 2' W. on a random line bet. Secs. 3 and 4.
40.00 Set temp ¼ Sec. Cor.
79.22 Intersect N. Bdry. of Tp. 19 lks. E. of the Cor. of Secs 3 and 4.
Thence I run
S. 0° 10' E. bet. Secs 3 and 4 on a true line
Descend S. slope abruptly.

Subdivision of T. 22 N. R. 37 W. Continued.

Chains
13.00 Bottom of descent, thence over rolling ground.
15.74 Wire fence runs N. 70° E.
27.00 Ascend over low foot hills.
39.22 Deposit charred stake 12 ins. in 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 ground, marked
¼ S. on W. face
ascend low hills.
43.00 Top of ascent [illegible] ft. thence over low broken hills
61.00 Descend
66.00 Bottom of descent over low foot hills
70.40 Trail, runs [illegible] and W.
75.00 Ascend gently
79.22 The Cor. of Secs. 3, 4, 9 and 10.
Land rolling and broken
Soil, sandy 4th rate

May 9. 1900

From the Cor. of Secs. 4, 5, 32 and 33 on S. Bdry of Tp. I run
N. 0° 3' W. bet. Secs. 32 and 33
Descend N.E. slope hills
3.82 Trail runs N.W. and S.E.
13.50 Bottom descent, thence over low hills.
18.25 Trail runs E. and W. ascend gently.
40.00 Deposit charred stake 12 ins. in 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 ground, marked
¼ S. on W. face
41.00 Low ridge descend gently.
72.00 Enter level ground.
40.00 Deposit charred stake 12 ins. in ground for

Subdivision of T. 22 N. R. 37 W. Continued.

Chains

Cor. of Secs. 28, 29, 32 and 33. dug pits 18X18X12 ins. in each Sec. 4 ft. dist. and raised a mound of earth 4 ft. base 3 ft. high, over deposit.
In S.E. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground, marked
T. 22 N. S. 28 on N.E.
R. 37 W. S. 33 on S.E.
S. 29 on S.W. and
S. 32 on N.W. face, with 1 notch on S. and 4 notches on E. edges.
Land level and broken
Soil, sandy 2nd and 4th rate.

East on a random line bet. Secs. 28 and 33.
40.00 Set temp. 1/4 Sec. Cor.
80.00 Intersect N. and S. line at Cor. of Secs. 27, 28, 33 and 34.
Thence I run
West on a true line bet. Secs. 28 and 33.
Over rolling ground at foot of hills.
3.00 Ascend S.E. slope, abruptly.
21.50 Top of ascent 150 ft. over broken ground.
33.00 Descend S.W. face over rolling ground.
40.00 Deposit charred stake 12 ins. in ground for 1/4 Sec. Cor. dug pits 18X18X12 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.
In E. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground, marked
1/4 S. on N. face.
Descend W. slope over broken ground
75.00 Bottom descent enter valley.
80.00 The Cor. of Secs. 28, 29, 32 and 33
Land rolling and broken
Soil, sandy 2nd and 4th rate.

N. 0° 3' W. bet. Secs. 28 and 29

Subdivision of T. 22 N. R. 37 W. Continued.

Chains

Over level ground in E. edge valley
13.00 Ascend S.W. slope low hills
32.00 Top of ascent, descend gently.
40.00 Deposit charred stake 12 ins. in ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. N. and S. of Cor. 4 ft. dist and raised a mound of earth 3 1/2 ft. base 1 1/2 ft. high, over deposit.
In S. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground, marked
1/4 S. on W. face
44.10 Trail, runs N.E. and S.W. at bottom descent in neck of valley.
53.00 Ascend S. slope low hills.
63.00 Top of ascent on E. face ridge 50 ft. above valley.
69.20 Wire fence runs N. 80° E.
72.00 Descend 1st slope
80.00 Deposit charred stake 12 ins. in 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~~ 2 ft. high, over deposit.
In S.E. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground, marked
T. 22 N. S. 21 on N.E.
R. 37 W. S. 28 on S.E.
S. 29 on S.W. and
S. 20 on N.W. face, with 2 notches on S. and 4 notches on E. edges.
Land rolling and broken
Soil, sandy ~~2nd~~ and ~~4th~~ rate.

East on a random line bet. Secs. 21 and 28.
40.00 Set temp. 1/4 Sec. Cor.
79.60 Intersect N. and S. line 25 lks N. of the Cor. of Secs. 21, 22, 27 and 28.
Thence I run
N. 89° 49' W. on a true line bet. Secs. 21 and 28.
Over rolling valley
25.00 Ascend gently S.E. slope low hills

Chains

29.00 Top of ascent 25 ft. descend gently

39.40 Deposit charred stake 12 ins. in ground for 1/4 Sec. Cor. 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 ground, marked 1/4 S on N. face.

40.30 Wire fence runs N.E. and S.W.

41.00 Enter level land

47.80 Trail, bears N. 60° W..

69.00 Ascend gently

79.80 The Cor. of Secs. 20, 21, 28 and 29.
Land rolling.
Soil, sandy 2nd and 3rd rate.

Jan. 25. 1900

N. 0° 3' W. bet. Secs. 20 and 21.
Over rolling ground.

7.11 Trail. bears E. and W.

11.00 Ascend low hills.

38.00 Top of ascent 50 ft. - descend N. slope gradually.

40.00 Deposit charred stake 12 ins. in ground for 1/4 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 ground, marked 1/4 S. on W. face.

62.00 Bottom descent—

69.00 Enter wet land.

80.00 Set an Oak Post 3 ft. long 4 ins. sq. with a charred stake 24 ins. in ground for Cor. of Secs. 16, 17, 20 and 21. marked
T. 22 N. S 16 on N.E.
R. 37 W. S. 21 on S.E.
S. 20 on S.W. and
S. 17 on N.W. face, with 3 notches on S. and 4 notches on E. edge. dug pits 18X18X12 ins.

Chains.

in each Sec. 5½ ft. dist and raised a mound of earth 4 ft. base 2 ft. high, W. of Cor.
Land level and rolling
Soil sandy 1st and 4th rate.

S. 89° 49' E. on a random line bet. Secs. 16 and 21

40.00 Set temp 1/4 Sec. Cor.

79.90 Intersect N. and S. line 28 lks. S. of the Cor. of Secs. 15, 16, 21 and 22.
Thence I run
S. 89° 59' W. on a true line bet. Secs. 16 and 21.
Over level wet land.

95 Deposit charred stake 12 ins. in ground for 1/4 Sec. Cor. 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 ground, marked 1/4 S. on W. face

79.90 The Cor. of Secs. 16, 17, 20 and 21.
Land level
Soil, sandy 1st rate

Jan 26. 1900.

N. 0° 9' W. bet. Secs. bet. Secs. 16 and 17—
Over level wet meadow—

6.00 Leave wet land

11.26 Meadow fence E. and W.. ascend S. slope hills

22.00 Top of ascent 60 ft. thence over broken ground.

40.00 Deposit charred stake 12 ins. in ground for 1/4 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 ground, marked 1/4 S. on W. face

42.00 Descend N. slope gradually.

6 00 Bottom of descent. in wet valley land.

78.00 Ascend gently.

Chains

80.00 Deposit charred stake 12 ins. in 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 SE. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground, marked
T. 22 N. S. 9 on N.E.
R. 37 W. S. 16 on SE.
S. 17 on SW. and
S. 8 on N.W. face with 4 notches on S. and E. Edges.
Land, level and broken -
Soil sandy 1st and 4th rate.

N. 89°59' E. on a random line bet. Secs. 9 and 16.
40.00 Set temp 1/4 Sec. Cor.
79.86 Intersect N. and S. line 3 Chs N. of the Cor. of Secs. 9, 10, 15 and 16.
Thence I run
West on a true line bet. Secs. 9 and 16.
Over broken ground on S. face hills.
9.00 Descend along SW. slope.
38.90 Trail runs N. and S. at bottom - descent, ascend E. slope ridge -
39.93 Deposit charred stake 12 ins. in ground for 1/4 Sec. Cor. dug pits 18x18x12 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.
In E. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground, marked
1/4 S. on N. face.
41.00 Top of ascent, on S. face low ridge, descend.
47.00 Enter rolling ground in N. edge valley.
79.86 The Cor. of Secs. 8, 9, 16 and 17.
Land, rolling and broken
Soil, sandy 2nd and 4th rate.

N. 0°3' W. bet. Secs. 8 and 9.
Over rolling ground

Chains

9.00 Ascend S. slope low hills
17.00 Top of ascent 50 ft. over broken ground.
27.00 Descend N. slope.
40.00 Deposit charred stake 12 ins. in ground for 1/4 Sec. Cor. dug pits 18x18x12 ins. N. and S. of Cor. 4 ft. dist and raised a mound of earth 3 1/2 ft. base 1 1/2 ft. high, over deposit.
In S. pit drove an Oak stake 2 ft long 2 ins. sq. 12 ins. in ground, marked.
1/4 S. on W. face.
47.00 Bottom descent, thence over meadow land.
80.00 Deposit charred stake 12 ins. in 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 SE. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground, marked
T. 22 N. S. 4 on N.E.
R. 37 W. S. 9 on SE.
S. 8 on SW. and
S. 5 on N.W. faces, with 5 notches on S. and 4 notches on E. edges.
Land level and rolling.
Soil, sandy 1st and 4th rate.

East on a random line bet. Secs. 4 and 9.
40.00 Set temp 1/4 Sec. Cor.
79.96 Intersect N. and S. line 30 Chs. N. of the Cor. of Secs. 3, 4, 9 and 10.
Thence I run
N. 89°47' W. on a true line bet. Secs. 4 and 9.
Over rolling ground at foot of hills.
16.70 Descend gently.
37.20 Bottom of descent. in rolling ground in N. edge valley.
39.98 Deposit a quart Bottle 12 ins. in ground for 1/4 Sec. Cor. dug pits 18x18x12 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.

Subdivision of T. 22 N. R. 37 W. Continued.

Chains

In E. pit, drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground, marked 1/4 S. on N. face

47.00 Space low ridge

52.60 Trail runs N. and S.

53.40 Wire fence N. and S.

79.94 The Cor. of Secs. 4, 5, 8 and 9

Land, rolling

Soil, sandy 2nd and 3rd rate.

N. 0°8' W. on a random line bet. Secs. 4 and 5

40.00 Set temp 1/4 Sec. Cor.

79.14 Intersect N. bdry of Tp. 11 Lks. E. of the Cor. of Secs. 4 and 5

Thence I run

S. 0°8' E. on a true line bet. Secs. 4 and 5

Descend over very broken ground.

6.00 Ridge, descend S. slope

26.00 Bottom descend in rolling valley.

30.40 Trail, runs E. and W.

38.00 Ascend N. slope low range of hills.

39.14 Deposit ~~broken crockery~~ 12 ins. in ground for 1/4 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 ground, marked 1/4 S. on W. face

48.84 Wire fence runs E. and W.

56.00 Top of ascent on low hills.

65.00 Ridge E. and W. descend S. face.

74.60 Descend abruptly

77.00 Bottom, thence over rolling ground.

79.14 The Cor. of Secs. 4, 5, 8 and 9.

Land rolling and broken

Soil, sandy 2nd and 4th rate.

May. 10. 1900

Subdivision of T. 22 N. R. 37 W. Continued.

Chains.

From the Cor. of Secs. 5, 6, 31 and 32. in the S. bdry of Tp. I run

N. 0°4' W. bet. Secs. 31 and 32.

Over rolling ground on top high hills.

10.00 Descend gradually

36.00 Bottom of descent, enter valley

40.00 Deposit broken crockery 12 ins. in ground for 1/4 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~~ drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground, marked 1/4 S. on W face

57.00 Enter marshy land

59.00 Deposit charred stake 12 ins. in ground for Cor. of Secs. 29, 30, 31 and 32. 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 SE. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground, marked

T. 22 N. S. 29 on N. E.

R. 37 W. S. 32 on SE.

S. 31 on SW. and

S. 30 on N.W. face with 1 notch on S. and 5 notches on E. Edges.

Land, level and broken.

Soil, sandy 1st and 4th rate.

East on a random line bet. Secs. 29 and 32.

40.00 Set temp 1/4 Sec. Cor.

79.80 Intersect N. and S. line 7 lks N. of the Cor. of Secs. 28, 29, 32 and 33.

Thence I run

N. 89°57' W on a true line bet. Secs. 29 and 32

Over level land

34.40 Trail runs N.W. and SE. ascend gently

39.90 Deposit charred stake 12 ins. in ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. E. and W. of Cor. 4 ft. dist. and raised a mound of earth

Subdivision of T. 22 N. R. 37 W. Continued.

Chains

3½ ft. base 1½ ft. high, over deposit.
In E. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground marked
¼ S. on N. face.
56.00 Enter marshey land.
79.80 The Cor. of Secs. 29, 30, 31 and 32.
Land, level.
Soil, sandy 2nd rate.

West on a random line bet. Secs. 30 and 31.
40.00 Set temp ¼ Sec. Cor.
81.72 Intersect W. bdry of Tp. 8 lks. N. of the Cor. of Secs. 30 and 31.
Thence I run
N. 89° 57' E. on a true line bet. Secs. 30 and 31.
Along N. face of hills over broken ground.
1.50 Wire fence, runs N. 10° W.
15.70 N. face ridge, descend
28.00 Trail runs N. W. and S.E. over broken ground on top hills.
41.12 Deposit charred stake 12 ins. in ground for ¼ Sec. Cor. 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 ground. marked
¼ S. on N. face.
50.00 Descend E. slope
62.00 Bottom descent.
64.40 Trail runs N. 20° E. enter valley land
66.00 Enter marshey land.
81.72 The Cor. of Secs. 29, 30, 31 and 32.
Land level and broken
Soil, sandy 2nd and 4th rate.

N. 0° 4' W. bet. Secs. 29 and 30.
Over level wet marshey land.
9.50 Leave wet land

Subdivision of T. 22 N. R. 37 W. Continued.

Chains

Start

15.00 Ascend S. slope low hills
25.00 Top of ascent on W. face ridge, descend
34.75 Trail, runs N.E. and S.W. ascend gradually
44.00 Deposit charred stake 12 ins. in 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 ground, marked
¼ S. on W. face.
44.34 Wire fence runs N. 80° E.
53.00 Top of ascent on E. face ridge. descend
70.00 Trail. runs N. 10° W. thence along W. face hills.. descending gently.
80.00 Deposit charred stake 12 ins. in 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 ground, marked
T. 22 N. S. 20 on N.E.
R. 37 W. S. 29 on S.E.
S. 30 on S.W. and
S. 19 on N.W. face, with 2 notches on S. and 5 notches on E. edges.
Land level and broken
Soil, sandy 2nd and 4th rate.

S. 89° 57' E. on a random line bet. Secs. 20 and 29
40.00 Set temp ¼ Sec. Cor.
79.80 Intersect N and S. line 16 lks. S. of the Cor. of Secs. 20, 21, 28 and 29.
Thence I run
S. 89° 56' W. on a true line bet. Secs. 20 and 29.
Ascend N.E. slope.
5.00 Top of ascent. 30 ft. above Cor. thence along N. slope hills ascending gently over rolling ground.
39.90 Deposit charred stake 12 ins. in ground for ¼ Sec. Cor. dug pits 18x18x12 ins. E. and W. of Cor. 4 ft.

Subdivision of T. 22 N. R. 37 W. Continued.

Chains

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 ground, marked 1/4 S. on N. face.

47.00 Top of mount. on N. face low hills. descend N.W. slope.

55.85 Wire fence runs N. and S.

79.80 The Cor. of Secs. 19, 20, 29 and 30.
Land, rolling —
Soil, sandy 4th rate.

S. 89° 57' W. on a random line bet. Secs. 19 and 30.

40.00 Set temp 1/4 Sec. Cor.

41.80 Intersect W. bdry of Tp. 3 Chs. S. of the Cor. of Secs. 19 and 30.
Thence I run
N. 89° 59' E. on a true line bet. Secs. 19 and 30.
Over rolling ground.

2.00 Ascend gently along N. slope hills.

34.38 Wire fence runs N. and S.

41.50 Deposit charred stake 12 ins. in ground for 1/4 Sec. Cor. 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 ground, marked 1/4 S. on N. face.

[illegible] Top of mount. on N. slope low hills.

75.00 Descend N.E. slope.

78.00 Land runs N. 10° W. thence over rolling ground.

81.80 The Cor. of Secs. 19, 20, 29 and 30.
Land, rolling
Soil, sandy 3rd and 4th rate.

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N. 0° 4' W. bet. Secs. 19 and 30.
Descend gently along N.W. slope.

Subdivision of T. 22 N. R. 37 W. Continued.

Chains

16.00 Bottom descent in E. and basin like valley.

19.00 Ascend low hills.

39.38 Top of mount. on low ridge descend gradually.

40.00 Deposit charred stake 12 ins. in ground for 1/4 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 ground, marked 1/4 S. on W. face.

47.00 Bottom descent. thence over level ground.

62.80 Ascend abrupt S. slope

79.00 Top of mount. on ridge

80.00 Set an Oak Post 3 ft. long 4 ins. sq. with a charred stake 24 ins. in ground for Cor. of Secs. 17, 18, 19 and 30, marked
T. 22 N. S. 17 on N.E.
R. 37 W. S. 20 on S.E.
S. 19 on S.W. hand
S. 18 on N.W. faces, with 3 notches on S. and 5 notches on E. edges dug pits 18X18X12 ins. in each Sec. 3½ ft. dist and raised a mound of earth 4 ft. base 2 ft. high. N. of Cor.
Land rolling and broken
Soil, sandy 3rd and 4th rate.

N. 89° 56' E. on a random line bet. Secs. 17 and 20

40.00 Set temp 1/4 Sec. Cor.

79.85 Intersect N. and S. line at the Cor. of Secs. 16, 17, 20 and 21.
Thence I run
S. 89° 56' W. on a true line bet. Secs. 17 and 20.
Over level wet valley land

30.00 Leave wet land.

39.94 Deposit charred stake 12 ins. in ground for 1/4 Sec. Cor. 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.

Subdivision of T. 22 N. R. 36 W. Continued.

Chains

12 ins. in ground, marked
1/4 S. on N. face.

48.00 Leave meadow land, thence over rolling ground.
58.00 Ascend abruptly along S.E. face hills.
72.00 Top of ascent 100 ft. on S. face range — over very broken ground.
79.88 Pine Cor. of Secs. 13, 18, 19 and 20.
Land, level and broken
Soil, sandy 1st and 4th rate.

S. 89° 09' W. on a random line bet. Secs. 18 and 19.
40.00 Set temp 1/4 Sec. Cor.
81.80 Intersect W. bdry of Tp. 3 lks. S. of the Cor. of Secs. 18 and 19.
Thence I run
East on a true line bet. Secs. 18 and 19.
Ascend N. face ridge — over broken ground.
10.00 Top, thence over very broken ground on N. face hills.
24.00 Descend —
40.00 Trail, runs N. and S. over ridges and ravines.
41.50 Deposit charred stake 12 ins. in ground for 1/4 Sec. Cor. dug pits 18x18x12 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.
In E. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground, marked
1/4 S. on W. face.
48.00 Ascend over broken ground and ridges along W. face.
70.00 Wire fence runs N. and S.
76.00 Top of ascent on S. face range, thence along S. face
81.80 Pine Cor. of Secs. 13, 18, 14 and 20.
Land, broken
Soil, sandy 4th rate.

Jan. 23. 1900

N. 0° 41' W. bet. Secs. 17 and 18.
Ascend S. face range over broken ground.
6.75. Top of ascent, on ridge E. and W. thence over broken ground and ridges on top range 200 ft. high.

Subdivision of T. 22 N. R. 37 W. Continued.

Chains

31.50 Descend N. face.
40.00 Deposit charred stake 12 ins. in ground for 1/4 Sec. Cor. dug pits 18x18x12 ins. N. and S. of Cor. 4 ft. dist and raised a mound of earth 3 1/2 ft. base 1 1/2 ft. high, over deposit.
In S. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground, marked
1/4 S. on W. face.
Descend gradual N. slope.
68.90 Wire fence runs S. 60° E., and S. from a point 1 ch. West — Enter level valley land.
80.00 Deposit charred stake 12 ins. in ground for Cor. of Secs. 7, 8, 17 and 18. 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 ground, marked
T. 22 N. S. 8 on N.E.
R. 37 W. S. 17 on S.E.
S. 18 on S.W.
S. 7 on N.W. face, with 4 notches on S. and 5 notches on E. edges.
Land level and broken
Soil, sandy 1st and 4th rate.

N. 89° 56' E. on a random line bet. Secs. 8 and 17.
40.00 Set temp 1/4 Sec. Cor.
79.78 Intersect N. and S. line 14 lks. N. of the Cor. of Secs. 8, 9, 16 and 17.
Thence I run
N. 89° 08' W. on a true line bet. Secs. 8 and 17.
Over level meadow land.
0.82 Meadow fence, runs S. and W. from point 1 ch. N.
20.80 Wire fence runs N. and S.
39.89 Deposit charred stake 12 ins. in ground for 1/4 Sec. Cor. dug pits 18x18x12 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.
In E. pit, drove an Oak stake 2 ft. long 2 ins. sq.

Chains

12 ins. in ground, marked
1/4 Sec. on N. face.

79.78 The Cor. of Secs. 7, 8, 17 and 18 —
Land, Level
Soil, sandy, 1st rate —

West on a random line bet. Secs. 7 and 18 —

40.00 Set temp 1/4 Sec. Cor.

81.60 Intersect W. bdry of Tp. 0 lks S. of the Cor. of Secs. 7 and 8.
Thence I run
S. 89°58' E. on a true line bet. Secs. 7 and 8.
Descend over very broken ground on top high range of hills.

27.00 Land Bluff or ridge descend over bluffs.

41.60 Deposit charred stake 12 ins. in ground for 1/4 Sec. Cor. dug pits 18x18x12 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. —
In E. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground, marked
1/4 S. on N. face —

47.00 Descend abrupt SE. slope.

54.00 Bottom of descent, thence over rolling meadow

81.60 The Cor. of Secs. 7, 8, 17 and 18.
Land level and broken
Soil, sandy 2nd and 4th rate.

N. 0° 4' W. bet. Secs. 7 and 8.
Over meadow land.

10.00 Wire fence N. 60° E —

13.00 Ascend abrupt S. slope

19.20 Top of abrupt ascent 100 ft. ascend S. face over broken ground.

23.50 Top of range on E. face ridge.

35.20 Descend gradually

40.00 Deposit charred stake 12 ins. in ground for 1/4 Sec. Cor. dug pits, 18x18x12 ins. N. and S. of Cor. 4 ft. dist and raised a mound of earth 3 1/2 ft.

Chains

base 1 1/2 ft high, over deposit.
In S. pit, drove an Oak stake 2 ft. long 2 ins. sq. 12 ins in ground, marked
1/4 S. on W. face

66.00 Bottom descent in neck of valley.

68.95 Trail, runs E. and W.

72.00 Ascend S. slope hills.

80.00 Deposit charred stake 12 ins. in 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 SE. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground, marked
T. 22 N. S. 5 on NE.
R. 37 W. S. 8 on SE.
S. 7 on SW. and
S. 6 on N.W. face, with 5 notches on S. and E. edges.
Land level and broken
Soil, sandy 2nd and 4th rate.

S. 89° 58' E. on a random line bet. Secs. 5 and 8.

40.00 Set temp 1/4 Sec. Cor.

79.84 Intersect N. and S. line 40 lks S. of the Cor. of Secs. 4, 5, 8 and 9 —
Thence I run
S. 89° 45' W. on a true line bet. Secs. 5 and 8.
Over level land in N. edge valley.

13.75 Wire fence runs N. and S.

39.92 Deposit charred stake 12 ins. in ground for 1/4 Sec. Cor. dug pits 18x18x12 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
In E. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground, marked
1/4 S. on N. face

58.00 Ascend SE. slope

63.00 Top of ascent 60 ft. thence over broken ground on S. face hills.

Subdivision of T. 22 N. R. 37 W. Continued.

Chains
79.84 The Cor. of Secs. 5, 6, 7. and 8.
Land. level and broken
Soil, sandy 2nd and 4th rate.

N. 89°58' W. on a random line bet. Secs. 6. and 7.
40.00 Set temp 1/4 Sec. Cor.
81.56 Intersect W. bdry of Tp. 4 lks. N. of the Cor. of Secs. 6. and 7.
Thence I run.
East on a true line bet. Secs. 6. and 7.
Along S.E. face hills over very broken ground.
40.00 Low ridge, descend.
41.56 Deposit charred stake. 12 ins. in ground for 1/4 Sec. Cor. dug pits 18X18X12 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.
In E. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground, marked 1/4 S on N. face.
45.50 Bottom of descent, thence over rolling hills.
47.00 Trail runs N. and S. ascend along S. face range.
64.00 Ridges N. and S. descend.
76.00 Bottom descent, ascend along S.W. face hills.
78.00 Top of ascent, thence on S. face ridge.
81.56 The Cor. of Secs. 5, 6, 7. and 8.
Land, broken
Soil, sandy 4th rate.

N. 0°4' W. on a random line bet. Secs. 5. and 6.
40.00 Set temp 1/4 Sec. Cor.
78.58 Intersect N. bdry of Tp. 32 links E. of the Cor. of Secs. 5. and 6.
Thence I run
S. 0°18' E. on a true line bet. Secs 5. and 6.
Over low broken and ~~bluffs and~~ ridges on S. ~~face~~ low hills

Subdivision and West bdry. of T. 22 N. R. 37 W.

Chains
17.60 Descend
19.70 Bottom, descent in narrow valley
20.00 Ascend N. slope gradually
35.00 Top of ascent, thence over broken ground on N.W. face range.
38.58 Deposit charred stake 12 ins. in ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. N. and S. of Cor. 4 ft. dist. and raised a mound of earth 3 1/2 ft. base 1 1/2 ft. high, over deposit
In S. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground, marked 1/4 S. on W. face
57.50 Descend over broken ground.
78.58 The Cor. of Secs. 5, 6, 7. and 8.
Land broken
Soil, sandy 4th rate. May. 11. 1900.

From the corner of T. 21 and 22 N. R. 37. and 38 W., I run
N. along W. bdry of Secs. 31, T. 22. R. 37.
Descend N. slope gradually.
20.00 Enter Owl valley land
39.97 Old 1/4 Sec. Cor. flat mound with pits 18 ins. sq. N. and S. 4 ft. dist. in S. pit there is an Oak stake 2 ins. sq. firmly driven, marked 1/4 S. on W. face X
45.00 Leave meadow land.
51.00 Ascend abrupt S. slope
71.00 Top of ascent 100 ft. thence over broken ground
78.00 Descend N. face hills.
79.60 The Old Cor. of Secs. 25, 30, 31. and 36. flat mound with pits 2 ft sq. dug in each Sec. I remove stake from S.E. pit and replace with an Oak stake marked for Cor. of Secs. 25. and 36, thus:-
T. 22 N. S. 36 on S.W. and
R. 38 W. S. 25 on N.W. face with 1 notch on S. and 5 notches on N. edges. X
80.00 Deposit charred stake 12 ins. in ground

Re. Survey W. bdry. of Tp. 22 N. R. 37 W. Continued.

Chains

for Cor. of Secs. 30. and 31. dug pits 24 x 24 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 ground, marked
T. 22 N. S. 30 on N.E.
R. 37 W. S. 31 on S.E. with 1 notch on S. and 5 notches on N. edges.
Land, level and broken
Soil, sandy 1st and 4th rate.

North along W. bdry. of Secs. 30.
Descend gradually
9.80 Wire fence runs N. 10° W.
19.50 Trail, runs N.W. and S.E. thence over rolling ground along W. slope hills.
23.27 Wire fence runs N. 80° E. ascend gently.
X 29.57 Old 1/4 Sec. Cor. flat mound with pits 2 ft. sq. N. and S. 4 ft. dist. in S. pit there is an Oak stake firmly driven, marked
1/4 S. on W. face
48.50 Top of gentle ascent, on W. slope hills.
70.00 Descend gently
X 79.46 The Old Cor. of Secs. 19, 24, 25 and 30. which is an Oak Post 4 ins. sq. 12 ins. above ground, with irregular pits dug in each Sec. 5 ft. dist. no mound. I remark the Post for Cor. of Secs. 24, and 25, thus:-
T. 22 N. S. 25 on S.W. and
R. 38 W. S. 24 on N.W. face, with 2 notches on S. and 4 notches on N. Edges.
80.00 Deposit charred stake 12 ins. in ground. for Cor. of Secs. 19 and 30. dug pits 24 x 24 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 ground, marked—
T. 22 N. S. 19 on N.E.
R. 37 W. S 30 on S.E. with 2 notches on S. and 4 notches on N. Edges.

Re. Survey West bdry. of Tp. T. 22 N. R. 37 W. Continued

Chains

Land, rolling and broken
Soil, sandy 4th rate.

North along W. bdry of Secs. 19.
Over rolling ground
6.00 Ascend S. slope abruptly.
15.00 Top of ascent 75 ft. thence over broken ground.
32.00 Descend N. slope gradually.
X 39.20 The old 1/4 Sec. Cor. which is a flat mound with pits 2 ft. sq. dug N. and S. 4 ft. dist in the S. pit there is an Oak stake 2 ins. sq. firmly driven, marked
1/4 S. on W. face
54.00 Bottom of descent in narrow valley.
56.90 Trail runs E. and W.
60.00 Ascend S. slope gradually.
73.00 Top of ascent on low broken hills.
77.50 Ridge E. and W. descend. N.E. face.
X 79.06 The old Cor. of Secs. 13, 18, 19 and 24. which is a flat mound with pits dug in each Sec. 4 ft. dist. In S.E. pit I drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground, marked for Cor. of Secs. 13 and 24. thus:-
T. 22 N. S. 24 on S.W. and
R. 38 W. S 13 on N.W. face with 3 notches on N. and S. Edges.
80.00 Deposit charred stake 12 ins. in ground for Cor. of Secs. 18 and 19. 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 ground, marked
T. 22 N. S 18 on N.E.
R. 37 W. S. 19 on S.E. face with 3 notches on N. and S. Edges.
Land, rolling and broken
Soil, sandy 4th rate.

Jan. 23. 1900

Re. Survey of West Bdry. of Tp. 22 N. R. 37 W. Continued

Chains

North on W. bdry of Sec. 18—
Descend N. slope gradually.
34.00 Enter meadow land.
X 38.74 The old 1/4 Sec. Cor. which is a flat mound with pits. N. and S. 4 ft. dist. in the S. pit, there is an Oak stake 2 ins. sq. firmly driven, marked
1/4 S. on W. face—
54.20 Meadow fence runs N. 80° E.
57.00 Ascend abrupt S. slope.
77.00 Top of range 100 ft. above valley— descend N.E. face ridge—
X 78.64 The old Cor. of Secs. 7, 12, 13 and 18, which is an Oak post 4 ins. sq. 12 ins. above ground, with pits dug in each Sec. 5 1/2 ft. dist. and a flat mound W. of post, which I remark for the Cor. of Secs. 13 and 18. thus—
T. 22 N. S. 13 on SW. and
R. 38 W. S. 12 on N.W. face, with 4 notches on S. and 2 notches on N. edges
80.00 Deposit charred stake 12 ins. in ground for Cor. of Secs— 7 and 8. dug pits 24 x 24 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 ground, marked
T. 22 N. S. 7 on N.E. and
R. 37 W. S. 18 on S.E. face, with 4 notches on S. and 2 notches on N. edges—
Land, level and broken
Soil, sandy 1st and 4th rate.

North on W. bdry of Secs. 7—
Descend over broken ground on N. face range
14.00 Descend N. slope gradually.
X 38.73 The old 1/4 Sec. Cor. which is a flat mound with pits 2 ft. sq. dug N. and S. 4 ft. dist. In S. pit, there is an Oak stake firmly driven marked
1/4 S. on W. face

Re. Survey of W. bdry. of Tp. 22 N. R. 37 W. Continued.

Chains
44.00 Bottom of descent over rolling ground
57.00 Ascend gently along S.E. slope—
76.50 Top of ascent on S.E. face hills 60 ft. above valley.
X 78.54 The old Cor. of Secs. 1, 6, 7 and 12, which is a flat mound with pits 2 ft. sq. dug in each Sec. 4 ft. dist. In S.E. pit, I drove an Oak stake 2 ft. long 2 ins. sq. marked for Cor. of Secs. 1 and 12. thus:—
T. 22 N. S. 12 on S.W. and
R. 38 W. S. 1 on N.W. face with 5 notches on S. and 1 notch on N. Edge.
80.00 Deposit charred stake 12 ins. in ground for Cor. of Secs. 6 and 7. dug pits 24 x 24 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 ground, marked
T. 22 N. S 6 on N.E. and
R. 37 W. S. 7 on S.E. face, with 5 notches on S. and 1 notch on N. edge.
Land, rolling and broken—
Soil, sandy 4th rate.

North on W. bdry of Sec. 6.
Ascend S.E. face range
40.00 Top of ascent 80 ft. above valley over rolling ground.
28.00 Descend N. slope gradually.
X 38.48 The old 1/4 Sec. Cor. which is a flat mound with pits, 2 ft. sq. dug N. and S. 4 ft. dist. in S. pit there is an Oak stake 2 ins. sq. firmly driven, marked
1/4 S. on W. face
45.00 Bottom descent in narrow valley
55.00 Ascend S. slope broken hills
69.08 Wire fence, runs N.E. and SW.
74.00 Top of ascent 80 ft. thence over broken ground.
78.38. The Cor. of T. 22 and 23 N. R. 37 and 38 W.
Land, broken
Soil, sandy 4th rate.

Jan. 29. 1900

Claim Line of Township No. 22 N. Range 37 West

Chains Sec. 45

Survey of the T.C. Claim of Daniel Egan
160 acres in Secs. 20 and 21. Owned by Daniel Egan
The old corner of Secs. 16, 17, 20 and 21. being
shown me by Mr. Egan. which is a pile of bones.
which bears S. 86°40' E. 8.98 chs. dist. from the Cor. of
Secs. 16, 17, 20 and 21. Latitude 0.52 chs.
Departure 8.97 chs.

From the old corner. I run
S 84°40' W. on a random line along N. bdry. of Claim
81.75 Intersect W. bdry. of Claim at a point 53 lks. N. of
a stake said by Mr. Egan to be the old N.W. Cor. and
the S.W. Cor. of the T.C. of James E. Grace.
The bearing of the N. bdry of Claim is therefore
N 84°18' E. At the point designated by Mr. Egan.
for N.W. Cor. of Claim I deposit charred stake
12 ins. in ground for the N.W. Cor. of the
Egan T.C. dug pits 18x18x12 ins. S. and E.
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.~~
2 ins sq. 12 ins. in ground, marked
D.E. on S.E. and N.E. faces.
The bearing of N. bdry being N. 84°18' E. the
Departure is 81.70 chs. Latitude 8.16 chs.
The length being 81.70 chs. the mean width will
be. 160.00 ÷ 81.70 = 19.59 chs.
The departure being 8.16 –, the width of W. end
of Claim will be 19.59 – 4.08 = 15.51 – and width
on E. end will be 19.59 + 4.08 = 23.67.

For West end see page 44 see from Comm. of Pub. Lands and Buildings Dec. 17, 1904 (E220108-1904) and Ans. thereto.

84°-18

N 84°18' E ~~89°18' E~~ on a true line along N. bdry of Claim
Descend along N.E. slope hills.
4.85 N.E. Cor. of Sod corral bears S. 65° W.
6.00 Leave corral at bottom descent thence over
rolling ground.
11.50 Point 20 lks. S of the S.E. Cor. old Sod house
16.00 Enter meadow land
46.00 Enter wet meadow land.

Claim Lines of T. 22 N. R. 37 W. Continued.

Chains 81.75 this error in original notes

81.70 The old Cor. of Secs. 16, 17, 20 and 21
Land, level and rolling
Soil, sandy 1st and 3rd rate.

South along W. bdry.
Descend gently
4.00 Bottom descent over level ground
15.51 Deposit charred stake 12 ins. in ground for S.W.
Cor. of Claim and S.E. Cor. of W. post of Grace T.C.
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 ground, marked
D.E. on N.E. an N.W. faces.
Land level and rolling
Soil, sandy 1st and 3rd rate.

East along S bdry
Over rolling ground
10.90 Meadow fence runs N.W. and S.E.
25.00 Leave meadow – ascend gently along N. slope.
75.00 Top of slight ascent. descend gently
81.70 Set temp S.E. Cor. of Claim
Land, rolling –
Soil, sandy 3rd rate.

W. bdry of Sec 46 and E boundary of Sec 45
South along E. bdry – bet T.C. of Daniel Egan
and T.C. of Winfred Egan owned by Daniel Egan
Over level wet meadow land.
11.00 Leave wet land, ascend gently.
20.00 Deposit charred stake 12 ins in ground for S.W.
Cor. of T.C. of Winfred Egan, dug pits 18x18x12 ins.
S. 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 ground, marked

Claim Line of T. 22 N. R 37 W. Continued.

Chains

M. E. on N.E. face.

23.67 Intersect S. bdry. of Claim at the temporary S.E. Cor. Deposit charred stake 12 ins. in ground for S.E. Cor. of Claim, dug pits 18x18x12 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 ground, marked
M.E. on N.W. face
Land level and rolling.
Soil, sandy 1st and 3rd rate.

Sec. 46

Survey of the T.C. of Winfred Egan. 160 acres in Secs. 21 and 22. owned by Daniel Egan.
From the old Cor. of Secs. 16, 17, 20 and 21. discribed in notes of survey of T. C. of Daniel Egan. I run
East along S. bdry.
Over level wet meadow land

80.00 Deposit 1 quart charcoal 12 ins. in ground for N.E. Cor. of Claim. and S.E. Cor. of T.C. of James. E. Grace. owned by Daniel Egan — 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 W. pit. drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground, marked
M.E. on N.W. and S.W. faces.
Land. level
Soil, sandy 1st rate.

South along E. bdry
Over level land

15.00 Ascend gently

20.00 Set temp S.E. Cor. of Claim.
Land, level and rolling —
Soil, sandy 1st and 2nd rate.

Claim Line of T. 22 N. R. 37 W. Continued

Chains

East along S. bdry. from S.W. Cor. of Claim as established in Survey of T.C. of Daniel Egan.
Over rolling ground on N gentle slope

8.00 Descend gently

15.00 Bottom of descent in S. edge of valley — thence over rolling ground.

80.00 Intersect E. bdry at temp Cor. Deposit charred stake 12 ins in ground for S.E. Cor. of Claim, dug pits 18x18x12 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 ground. marked
M.E. on N.W. face.
Land, rolling.
Soil, sandy 3rd rate.

Sec. 42

Survey of the T.C. of James E. Grace 160 acres in Secs. 17, 20, 21 and 22. owned by Daniel Egan.
As the S.E. Cor. of this Claim bears S. 84° 40' E. 8.98 chs. dist from the Cor. of Secs. 16, 17, 20 and 21. and the S. bdry running S. 84° 18' W. the mean width of Claim would be 19.59 chs. and the width of the East boundary would be 15.01 being the same as the T.C. of Daniel Egan. but to survey this claim on the above lines would cause a conflict with Sec. 16. being "Nebraska School Land" of 13.45 acres. the area being calculated as follows:—
The old Cor. of Secs. 16, 17, 20 and 21. having a Latitude S. of 0.02 chs. and a Departure E. of 8.97 chs. a line run N. 15.01 chs. from the old Cor. of Secs. 16, 17, 20 and 21. would have 14.99 chs. of its length in Sec. 16, and a line run West from a point 15.01 N. would intersect the W. bdry of Sec. 16 at a point 8.98 West. 14.99 x 8.98 chs = 13.45 acres.
To make up this shortage, by the consent of Mr. Egan. I proceed as follows =

X Claim a conflict to survey on above lines with Sec 16 To remove conflict

Claim Line of T. 22 N. R. 37 W. Continued.

Chains

From the N.E. Cor. of T.C. of Winfred Egan, I run
North along E. bdry.
Over level valley land.

0.50 Intersect the S. bdry of Secs. 15, at a point N. 89° 56' E. 8.97 chs. dist from the Cor. of Secs. 15, 16, 21 and 22. when I deposit a charred stake 12 ins. in the ground for closing corner on E. bdry 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. 12 ins. in the ground, marked
C.C. on S.
M.E. on W. and
P.L. for public lands on E. face.
The area of the land lying between Secs. 16 and 15, and The T.C. of Winfred Egan, width 51 lks. x 80 chs. = 4.08 acres. 13, 45 ac — 4.08 = 9.37 acres.
Being the amount of land necessary to add to this Claim on the West of The T.C. of Daniel Egan and this claim. had it been surveyed in conflic:- the west bdry of T.C. of Daniel Egan being 15.51 chs. and the West bdry of this Claim, had it been surveyed in conflic, would of been 23.67 chs. as calculated on page 46. the aggregate length being 15.51 + 23.67 = 39.18 chs. the width would be 9.37 ÷ 39.18 = 2.39 chs.
Therefore from the S.W. Cor. of T.C. of Daniel Egan I run
West along S bdry
Over level ground.

2.39 Deposit charred stake 12 ins. in ground for S.E. 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 ground, marked
M.E. on N.E. face.
Land, level-
Soil, sandy 1st rate.

Claim Lines of T. 22 N. R. 37 W. Continued.

Chains

North along West bdry.
Over level ground

11.00 Ascend abrupt S.E. slope.

28.00 Top. 125 ft. thence over broken ground on S.E. face hills.

39.18 Deposit charred stake 12 ins. in ground for N.W. Cor. of Claim, dug pits 18x18x12 ins. S. and E. 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 ground, marked
M.E. on S.E. face
Land, level and broken.
Soil, sandy 1st and 4th rate.

East along N. bdry
Over broken ground on S.E. face high, range.

13.40 Descend abrupt S.E. slope.

40.00 Bottom descent in N. edge valley - ascend gently along S slope hills.

75.11 Intersect the West bdry of Sec. 16. at a point N. 0° 3' W. 15 chs. dist from the Cor. of Secs. 16, 17, 20 and 21. when I deposit charred stake 12 ins. in ground for closing corner. 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 W. pit, drove an Oak stake 2 ft long 2 ins. sq. 12 ins. in ground, marked
C.C. on W.
M.E. on S. and
N.S.L. on E. face
Land, broken -
Soil, sandy 4th rate.

Jan. 27. 1900

Claim Lines of T. 22 N. R. 37 W. Continued.

Chains Sec 36

Survey of the S.E. claim of Thomas A. Wright, 163.60 acres in Sec. 31. owned by Thomas A. Wright. an old fence post being shown as S.E. Cor. and the West bdry. claimed being the East line of the old or original Sec. 36 - which is being claimed and held under School Land Lease -

I deposit a charred stake, (a) place of old fence post. 12 ins. in ground for S.E. Cor. of claim, dug pits 18X18X12 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 ground, marked

T. A. W. on N.W. face - Thence I run

West on S. bdry of claim.

Over rolling ground on N. slope hills.

13.00 Low ridge, descend gently.

18.00 Trail, runs N.W. and S.E. thence over rolling ground —

43.88 Intersect the East bdry. of the original Sec. 36. T. 22 N. R. 38 W. at a point 17.52 chs.

North from a cedar post in mound being the original Cor. of T. 21 N. R. 37 & 38 W, when I deposit charred stake 12 ins. in ground for S.W. 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 3 ft. long 2 ins. sq. 12 ins in ground, marked

T. A. W. on N.E. face.

This Cor. bears N. 20° 02' E. 23.12 chs. dist from the Cor. of T. 21. and 22 N., R. 37 and 38 W. Latitude 21.72 chs. - Departure 7.90 chs. —

The area of claim being 163.60 ac. - and the S. bdry being 43.88 chs. - the width of claim will be. 163.60 ÷ 43.88 chs. = 37.27 chs.

Land, rolling.

Soil, sandy 3rd rate.

Claim Lines of T. 22 N. R. 37 W. Continued.

Chains

North along W. bdry

Descend gently.

5.00 Bottom descent, thence over rolling ground.

29.30 Trail runs E. and W.

31.00 Ascend S. slope

36.50 Top of ascent 75 ft thence along S face range.

37.27 Set temp. N.W. Cor.

Land, rolling and broken

Soil, sandy 2nd and 4th rate.

North along E. bdry

Descend gentle N. slope.

13.50 Trail, runs E. and W.

15.00 Enter rolling ground.

20.00 Deposit charred stake 12 ins. in ground for S.W. Cor. of S.E. Claim of James Wright 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 ground, marked

J. W. on N.E. face.

22.00 Enter meadow land

33.70 Trail, runs N.E. and S.W.

36.50 Ascend gently.

37.27 Deposit charred stake 12 ins. in ground for N.E. 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. 12 ins. in ground, marked

T. A. W. on S.W. face.

Land, level and rolling.

Soil, sandy 2nd and 3rd rate.

West along N. bdry

Ascend gently along S. slope hills.

20.00 Trail, runs N. and S.

Claim Lines of T. 22 N. R. 37 W. Continued.

Chains

24.00 S. face ridge, ascend over broken ground and ridges.

37.00 Top of ascent 45 ft. on S. face range.

43.88 Intersect W. bdry of Claim at temp Cor. where I deposit charred stake 12 ins. in ground for N.W. Cor. of claim, dug pits 18X18X12 ins. S. and E. 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
T. A. W. on S.E. face.
Land broken.
Soil, sandy 4th rate.

(Sec. 57)

Survey of the S.E. Claim of James Wright.
160 ac. in Secs 31 and 32. owned by James Wright
From the S.W. Cor. established by request of Mr. Wright in Survey of S.E. of Thomas A. Wright
I run
East along S. bdry
Over rolling ground in S. edge valley.

60.00 Deposit charred stake 12 ins. in ground for S.E. Cor. of Claim. dug pits 18X18X12 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 ground, marked
J. W. on N.W. face.
Land rolling.
Soil, sandy 2nd rate.

North along East bdry.
Over rolling ground.

8.60 Enter basin like valley

30.00 Deposit charred stake 12 ins. in ground for S.W. Cor. of S.E. claim of Agolane Wright owned by his heirs, 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.

Claim Lines of T. 22 N. R. 37 W. Continued.

Chains.

In N. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground, marked
W. H.R.S. for Wright heirs. on N.E. face.

22.00 Leave basin, ascend gently.

40.00 Deposit charred stake 12 ins. in ground for N.E. Cor. of Claim. and S.E. Cor. of W. 40 acres of the Ajolan Wright. S.E. 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. 12 ins. in ground, marked
J. W. on S.W. and
W. H.R.S. on N.W. face.
Land, level and rolling.
Soil, sandy 2nd rate.

West along N. bdry of N. 40 acres of Claim.
Over rolling ground.

12.00 Enter level marshy land.

20.00 Set temp N.W. Cor. of Claim.
Land, level
Soil, sandy 2nd rate.

From the N.E. Cor. of Thomas A. Wright S.E. I run
South along W. bdry of Claim. error in original notes North
Ascend gently.

2.73 Deposit charred stake 12 ins. in ground for N.W. Cor. Claim and S.W. Cor. of Pre. of Elijah E. Adams owned by James Wright. 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 E. pit, drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground, marked
J. W. on S.E. and N.E. faces.

Claim Lines of T. 22 N. R. 37 W. Continued.

Chains

East along N. bdry. bet Pre of Adams and S.E. of James. Wright.
Along S. face hills.
1.50 Descend E. slope low hills.
8.00 Bottom descent, thence over valley land
9.85 Trail, runs N.E. and S.W. Eider meadow.
20.00 Deposit charred stake 12 ins. in ground for S.E. Cor. of Elijah. E. Adams Pre. dug pits 18X18X12 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 ground, marked
J. W. on N. W. face.
Thence over level marshy land.
40.00 Deposit charred stake 12 ins. in ground for S.W. Cor. N. 40 acres of Claim dug pits 18X18X12 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 ground, marked
J. W. on N. E. face.
Land, level and rolling.
Soil, sandy 1st and 3rd rate.

North along W. bdry of N. 40 acres of claim.
Over level marshy valley land.
20.00 Intersect N. bdry of claim at temp. Cor when I deposit charred stake 12 ins. in ground for N.W. Cor. of claim, the S.W. Cor. of H.E. of Ayslan Wright and the S.E. Cor. of Pre of Elijah. E. Adams, 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 ground, marked
J. W. on N. W. and S.E. faces and
W. H. R. S. on N. E. face.
Land, level.
Soil, sandy 2nd rate.

Claim Lines of T. 22 N. R. 37 W. Continued.

Chains

(See 54)

Survey of the Pre Claim of Elijah. E. Adams, 160 acres in Secs. 29, 30, and 31, owned by James Wright.
From the S.W. Cor. of claim as established in Survey of S.E. of James. Wright. I run
North along W. bdry.
Ascend along S.E. face hills over broken ground.
33.75 Deep ravine, runs E. ascend abruptly
40.00 Top of ascent 120 ft. on E. face ridge.
53.88 Wire fence, runs N. 50 E.
56.30 Descend
60.00 Deposit charred stake 12 ins. in ground for N.W. Cor. of claim, dug pits 18X18X12 ins. S. and E. 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
J. W. on S.E. face.
Land, broken.
Soil, sandy 4th rate.

East along N. bdry.
Over broken ground on S. face hills.
1.00 Wire fence, runs N.W. and S.E.
17.85 Wire fence, runs N. 80° E. and S. 80° W.
20.00 Deposit charred stake 12 ins. in ground for N.E. 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. 12 ins. in ground, marked
J. W. on S.W. face.
Land, broken.
Soil, sandy 4th rate.

South along E. bdry of N. 40 acres of Claim
2.50 Descend - gradual S. slope
11.50 Bottom of descent. over rolling ground
20.00 At temp Cor.
Land rolling. Soil, sandy 3rd rate. May, 12. 1900

Claim Lines - of T. 22 N. R. 37 W. Continued.

Chains

From the S.E. Cor. of W. part of Claim established in survey of James Wright, H. E. Drum
North along E. bdry. of S. 40 acres of claim.
In level marshy valley.
20.00 Set temp. Cor.
Land, level
Soil, sand 2nd rate.

From the S.E. of Cor. of the E. 40 acres of Claim established in Survey of James Wright H.E. Drum
West along S. bdry. of E. 40 acres of claim.
In level marshy land
20.00 Intersect the E. bdry. of S. 40 acres at temp Cor. deposit charred stake 12 ins. in ground for S.W. Cor. of E. 40 acres. of Claim dug pits 18X18X12 ins. S. and E. of Cor. 4 ft. dist. and raised a mound of earth 3 1/2 ft. base 1 1/2 ft. high, over deposit.
In E. pit. drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground, marked
J. W. on N.E. face.
Land, level. Soil sandy 2nd rate.
This Cor. bears N. 79° 54' W. 10.10 chs. dist from the Cor. of Secs. 29, 30, 31 and 32. Latitude 1.77 chs. Departure 9.94 chs.

From the S.E. Cor. of E. 40 acres of Claim Drum
North bet Pre of Adams and H.E. of Ajolan Wright.
Over level marshy valley land.
4.00 Leave marshy land, over rolling valley.
10.00 Ascend S. slope low hills
14.50 Top of, ascent 40 ft. on low hills.
20.00 Deposit charred stake 12 ins. in ground for N.E. Cor. E. 40 acres. of Claim and the N.W. Cor. of the W. 40 acres of the Ajolan Wright H.E. dug pits 18X18X12 ins. S. and E. of Cor. 4 ft. dist. and raised a mound of earth 3 1/2 ft. base 1 1/2 ft. high, over deposit.
In S. pit, drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground, marked

Claim Lines - of T. 22 N. R. 37 W. Continued.

Chains.

J. W. on S.W. and
W. H. R. S. on S.E. face
Land, level and rolling.
Soil, sandy 2nd and 3rd rate.

West along N. bdry.
Over rolling ground on top of low hills
3.00 Descend gently
12.00 Bottom, descend, thence over rolling ground.
20.00 Intersect the East bdry N. 40 acres of claim at the temp Cor. deposit charred stake 12 ins. in ground for N.W. Cor. of the E. 40 acres of claim, dug pits 18X18X12 ins. N. and E. of Cor. 4 ft. dist. and raised a mound of earth 3 1/2 ft. base 1 1/2 ft. high, over deposit.
In N. pit, drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground, marked
J. W. on S.E. face
Land, rolling.
Soil, sandy 3rd rate.

(Sec 53)

Survey of the H.E. claim of Ajolan Wright 160 acres in Secs. 29 and 32, owned by his heirs.
From the S.W. Cor. of S. 40 acres of claim established in Survey of H.E. of James Wright. Drum
East along S. bdry.
Over level land in basin like valley.
9.00 Ascend low hills.
20.00 Deposit charred stake 12 ins. in ground for S.E. Cor. of claim — dug pits 18X18X12 ins. N. 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.
In N. pit, drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground, marked
W. H. R. S. on N.W. face.
Land level and rolling.
Soil, sandy 2nd and 3rd rate.

Claim Lines of T. 22 N. R. 37 W. Continued.

Chains

North along E. bdry.
Descend gently.
14.00 Enter basin like valley.
20.00 Deposit charred stake 12 ins. in ground for S.W. Cor. of T.C. of Owen Wright, 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 ground, marked
O.W. on N.E. face.
Thence over level grounds bet. S.E. of Ajolan Wright and T.C. of Owen Wright.
60.00 Set temp. Sec. Cor.
Land level and rolling
Soil, sandy 2nd and 3rd rate.

From the N.W. Cor. of W. 40 acres established in Survey of Pre. of Elijah E. Adams, I run
East along N. bdry.
Over rolling ground on S. face low hills.
12.70 Trail, runs N.W. and S.E.
17.00 Descend abrupt E. slope.
20.00 Deposit charred stake 12 ins. in ground for S.W. Cor. of N. 40 acres of claim, dug pits 18x18x12 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 ground, marked
W. H.R.S. on N.E. face.
Land, rolling and broken.
Soil, sandy 4th rate.

N. along W. bdry. N. 40 acres of claim
Over rolling ground at foot of hills.
8.00 Ascend S.E. slope.
19.80 Top of ascent, 100 ft. on S.E. face hills.

Claim Lines of T. 22 N. R. 37 W. Continued.

Chains

20.00 Deposit charred stake 12 ins. in ground for N.W. Cor. of N. 40 acres of Claim, dug pits 18x18x12 ins. S and E 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 ground, marked
W. H.R.S. on S.E. face.
Land, rolling and broken.
Soil, sandy 3rd and 4th rate.

East along N. bdry.
Along S. face hills.
3.00 Descend abrupt S.E. slope.
8.00 Bottom descent.
16.00 Enter rolling valley land.
20.00 Intersect E. bdry of claim at temp. Cor. deposit charred stake 12 ins. in ground for N.E. Cor. claim and N.W. Cor. of T.C. of Owen Wright dug pits 18x18x12 ins. S. and E. 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 ground, marked
W. H.R.S. on S.W. and
O.W. on S.E. faces.
Land, rolling and broken.
Soil, sandy 3rd and 4th rate.
From the N.W. Cor. of the S. 40 acres of this claim the ¼ Sec. Cor. bet. Secs. 29 and 32 bears S. 79° 40' E. 10.08 chs. Latitude .1 chs Departure 9.92 chs.

(Sec. 52.)

Survey of T.C. of Owen Wright 160 acres in Secs. 28 and 29.
The S.W. Cor. of claim as established in Survey of S.E. of Ajolan Wright bearing N. 72° 42' E. 10.24 chs. dist, Latitude 1.81 chs. Departure 10.08.
From the S.W. Cor. I run
East along S. bdry.

Claim Lines of T. 22 N. R. 37 W. Continued.

Chains

Over level basin like valley.
35.00 Ascend S.W. slope, gently.
40.00 Set temp. Cor.
Land, level and rolling.
Soil, sandy 2nd and 4th rate.

East along N. bdry. from the N.W. Cor. established in Survey of S.E. of Ajolan Wright.
Over level ground.
25.80 Trail runs N. 60° E.
32.00 Ascend gently along N.E. slope
40.00 Deposit charred stake 12 ins. in ground for N.E. 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. 12 ins. in ground, marked
O.W. on S.W. face.
Land, level and rolling.
Soil, sandy 3rd rate.

S. along E. bdry.
Ascend gently.
3.50 Top of ascent 20 ft. above Cor. thence along W. slope hills over low ridges.
38.00 Descend S.E. slope.
40.00 Intersect S. bdry. of Claim at temp Cor. dug pits 18x18x12 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 ground, marked
O.W. on N.W. face.
Land rolling and broken.
Soil, sandy 4th rate.

May. 14. 1900

Claim Lines of T. 22 N. R. 37 W. Continued.

Chains

Sec 49

Survey of the Pre Claim of George W. Collins. 160 acres in Secs. 25 and 36. The old Cor. of Secs. 25, 26, 35 and 36. being shown me by James Wright. owner of this Claim which Cor. bears S. 140 E. 2.51 chs. dist from the Cor. of Secs. 25, 26, 35 and 36. Latitude 2.43 Departure 61 lks. By permission of all parties interested in this Corner. for the purpose of removing the conflict with Sec. 36 on the West side therefore I destroy the old Cor. and make a new Cor. on the W. bdry. of Sec. 36 at a point West of the original Corner. where I deposit a charred stake 12 ins. in ground for S.W. Cor. Claim. the S.E. Cor. of T.C. of Elijah E. Adams and the N.E. Cor. of S.E. of Owen Wright, 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 ground, marked
J.W. on N.E.
E.E.A. on N.W. and
O.W. on S.W. face
From this Cor. I run
East along S. bdry
Over level meadow land
41.30 Wire fence runs S. 10° E.
44.60 Trail S.E. and N.W. over rolling valley land.
80.00 Intersect the East bdry of Sec. 36. at a point S. 2.27 chs. from the Cor. of Secs. 25. 30. 31. and 36. deposit charred stake 12 ins. in ground for S.E. Cor. of Claim. dug pits 18x18x12 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 ground, marked
J.W. on N.W. face
Land, level
Soil, sandy 1st and 2nd rate.

Claim Lines of T. 22. N. R. 37 W. Continued.

Chains

N along E. bdry.
Over rolling valley land.
2.27 The Cor. of Secs. 25, 30, 31 and 36.
9.00 Ascend gently.
16.40 Wire fence runs N 80° E. ascend over broken ground.
20.00 Set temp Cor.
Land, rolling and broken.
Soil, sandy 3rd and 4th rate.

From the SW. Cor. of claim Drew
N 0° 1' W. along W. bdry. bet. Wright and Adams.
Over level meadow land.
2.43 The Cor. of Secs. 25. 26. 35 and 36.
3.90 Trail runs E. and W.
7.00 Ascend S. slope.
17.83 Wire fence runs N. 10° W. along E. face ridge.
20.00 Deposit charred stake 12 ins. in ground for N.W. Cor. of Claim and N.E. Cor. of T.C. of Elijah. E. Adams. dug pits 18X18X12 ins. S. and E. 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.
J. W. on SE. and
E.E.A. on SW. face.
Land. level and broken.
Soil, sandy 1st, and 4th rate.

East along N. bdry.
Over very broken ground on S. face low range of hills.
32.30 Ranch trail runs N. and S.
50.10 S. face ridge - descend over broken ground.
80.00 Intersect E. bdry at temp Cor. deposit a charred stake 12 ins. in ground for N.E. Cor. of claim and the N.W. Cor. of Pre. of William Wright. owned by James Wright, dug pits 18X18 X12 ins. S. and E. of Cor. 4 ft. dist and raised a mound.

Claim Lines of T. 22 N. R. 37 W.. Continued.

Chains

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 ground, marked
J. W. on SW. and SE. faces.
Land, broken.
Soil, sandy 4th rate.

(Sec. 59.)

Survey of the SE. of Owen Wright 160 acres. in Sec. 35.
From the N.E. Cor. of claim as described in survey of Pre of George W. Collins. Drew West along N. bdry of Claim being also the S. bdry of T.C. of Elijah. E. Adams.
Over level ground in N. edge of meadow.
31.00 Ranch trail N. 60° E..
40.00 Deposit charred stake 12 ins. in ground for N.W. Cor. of Claim. dug pits 18X18X12 ins. S. and E. 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 ground, marked
O.W. on SE. face.
Land, level –
Soil, sandy 1st and 2nd rate.

South 0° 1' E. parallel to the West bdry of Sec. 36. along W. bdry of Claim.
Over rolling ground.
2.35 Ranch trail runs N. 70° E. enter on marshy land.
24.00 Ascend low hills.
26.68 Wire fence runs S. 70° E..
39.00 Top of ascent 40 ft. on low hills.
40.00 Set temp. Cor.
Land, level and rolling.
Soil, sandy 1st and 3rd rate.

Claim Lines of T. 22 N. R. 37 W. Continued.

Chains

at a point on the West bdry of Sec. 36, 2.43 chs. S. 0° 1' E. from the 1/4 Sec. Cor. bet. Secs. 35 and 36.
Deposit a charred stake 12 ins. in ground for S.E. Cor. of Claim and N.E. Cor. of James Wright Pre. dug pits 18X18X12 ins. S. 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.
In W. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground, marked
O.W. on N.W. and
J.W. on S.W. faces. From this Cor. I run
West bet. Claims of Owen and James Wright.
Over low hills.

3.00 Descend gently.
7.50 Wire fence runs S. 70° E.
10.60 Ranch trail runs N. and S. thence over rolling land
21.00 Ascend gently over low hills.
40.00 Intersect W. bdry of Claim at temp Cor. when I deposit charred stake 12 ins. in ground for S.W. Cor. Owen Wright S.E. and N.W. Cor. James Wright Pre. dug pits 18X18X12 ins. N. and E. of Cor. 4 ft. dist and raised a mound of earth 3 1/2 ft. base 1 1/2 ft. high, over deposit.
In E. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground, marked
O.W. on N.E. and
J.W. on S.E. faces.
Land, rolling —
Soil, sandy 3rd and 4th rate.

(Sec. 60)

Survey of the Pre of James Wright 160 acres in Sec. 35-22-37 and Sec. 2-21-37
From the N.W. Cor. described in note of Survey of S.E. of Owen Wright. I run
S. 0° 1' E. on W. bdry of Claim.
Over low hills.

0.20 Descend
40.00 Bottom of descent, thence over rolling land.
17.70 Ranch trail runs E. and W.

Claim Lines of T. 22 N. R. 37 W. Continued.

Chains.

24.00 Ascend gentle N. slope.
37.57 1/4 Sec. Cor. bet. Secs. 2 and 35.
40.00 Deposit charred stake 12 ins. in ground for S.W. Cor. of Claim dug pits 18X18X12 ins. N and E. of Cor. 4 ft. dist, and raised a mound of earth 3 1/2 ft. base 1 1/2 ft. high, over deposit
In N. pit, drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground, marked
J.W. on N.E. face.
Land rolling.
Soil, sandy 2nd and 3rd rate.

East along S. bdry.
Over rolling ground on N. slope hills descending gently.

30.00 Enter rolling land
40.00 Set temp. Cor.
Land, rolling.
Soil, sandy 3rd rate.

S. 0° 1' E. along E. bdry from the Cor. of Secs. 1, 2, 35 and 36.
Over rolling ground —

2.43 Intersect S. bdry of Claim at temp Cor.
Deposit charred stake 12 ins. in ground for S.E. Cor. of Claim, dug pits 18X18X12 ins. N. and W. of Cor. 4 ft. dist a raised a mound of earth 3 1/2 ft. base 1 1/2 ft. high, over deposit.
In N. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground, marked
J.W. on N.W. face. May. 17. 1900

(Sec. 50)

Survey of T.C. of Elijah E. Adams. 160 acres in Secs. 26 and 35.
From the N.E. Cor. established in Survey of Pre of George H. Collins. I run
West along N. bdry.

Claim Lines of T. 22 N. R. 37 W. Continued.

Chains

Ascend S.E. face ridge.
0.70 Wire fence runs N. 10° W.
13.50 Top of ascent on ridge or bluff thence over broken ground on top of range.
68.00 Descend.
75.00 Ravine N. and S. ascend N.E. slope ridge.
80.00 Set temp. Cor.
Land, broken.
Soil, sandy 4th rate.

From the N.W. Cor. of Twp. of Owen Wright I run West along S. bdry of Claim.
Over rolling ground at foot of hills.
8.00 Ascend S.E. slope.
17.00 Top of ascent 60 ft. on S. face range.
20.80 Wire fence runs S. from point 1 ch. N.
24.00 Descend S.W. face.
30.00 Bottom descent; over broken ground on S. slope.
40.00 Intersect W. bdry of Sec. 35. at a point S. 0.2' E. 2.31 chs. dist from the Cor. of Secs. 26, 27, 34 and 35. when I deposit a charred stake 12 ins. in ground for S.W. 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 ground, marked
E.E.A. on N.E. face.
Land, rolling and broken
Soil, sandy 3rd and 4th rate.

N. 0.2' W. along W bdry.
Ascend S. slope hills.
2.31 The Cor. of Secs. 26, 27, 34 and 35.
18.00 Top of ascent on E. face ridge, descend gently.
20.00 Intersect N. bdry. of claim at temp. Cor., deposit charred stake 12 ins. in ground for N.W. Cor. of claim dug pits 18x18x12 ins., S. and E. of Cor. 4 ft. dist. and raised a mound

Claim Lines of T. 22 N. R. 37 W. Continued.

Chains.

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 ground, marked
E.E.A. on S.E. face
Land, broken
Soil, sandy 4th rate.

(Sec. 51)

Survey of Pm. of Thomas A. Wright. 160 acres in Secs. 27, 28, 33 and 34.
A point designated by Mr. Wright for the old Cor. of Secs. 27, 28, 33 and 34 — which bears S. 21° 49' W. 1.13 chs. dist. from the Cor. of Secs. 27, 28, 33 and 34. Latitude 1.05 chs. Departure 0.42 chs.
I deposit a charred stake 12 ins. in ground for S.W. Cor. N. part of Claim, dug pits 18X18X12 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 ground, marked
T.A.W. on N.E. face.
From this Old Cor. I run
N. along W. bdry.
Over rolling ground.
3.00 Ascend S. slope abruptly.
11.00 Top of ascent 100 ft. thence ascend along S. face
16.50 Top of ascent 150 ft.
20.00 Deposit charred stake 12 ins. in ground for N.W. Cor. of Claim, dug pits 18X18X12 ins. S and E. 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 ground, marked
T.A.W. on S.E. face.
Land, rolling and broken
Soil, sandy 3rd and 4th rate.

East along N. bdry.
1.00 Descend E. slope bluffs.
14.00 Bottom descent, thence over very broken ground on top low range.

Claim Lines of T. 22 N. R. 37 W. Continued.

Chains

16.00 Trail runs E. and W.

20.00 Low ridge, thence descend gently over very broken ground.

40.00 Deposit charred stake 12 ins. in ground for N.E. 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. 12 ins. in ground, marked
T. A. W. on S.W. face.
Land, broken.
Soil, sandy 4th rate.

S. along E. bdry.
Over broken ground on E. face hills.

4.00 Ridge, thence descend over broken ground.

16.00 Ranch trail N.W. and S.E.

20.00 Set temp. Cor.
Land, broken.
Soil, sandy 4th rate.

West from the old Cor. of Secs. 27, 28, 33 and 34.
Along N. bdry W. 40 acres of claim.
Over rolling ground.

200 Ascend abrupt S.E. slope.

14.60 Top of ascent 100 ft. on S.E. face hills.

20.00 Deposit charred stake 12 ins. in ground for N.W. Cor of claim - dug pits 18X18X12 ins. S. and E. 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 ground, marked
T. A. W. on S.E. face.
Land, rolling and broken.
Soil, sandy 3rd and 4th rate.

South along W. bdry of W. 40 acres of claim.
Descend along S.E. face hills.

Claim Lines of T. 22 N. R. 37 W. Continued.

Chains.

8.00 Descend abruptly along S.E. slope hills.

17.00 Bottom, thence over rolling ground at foot of hills.

20.00 Deposit charred stake 12 ins. in ground for S.W. Cor. of Claim and N.W. Cor. of T.C. of William H. Wright owned by James Wright, dug pits 18X12X12 ins. N. and E. 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 ground, marked
T. A. W. on N.E. face.
J. W. on S.E. face.
Land, rolling and broken.
Soil, sandy 3rd and 4th rate.

East along S. bdry.
Over rolling ground.

3.00 Enter meadow land.

17.00 Ascend gently along N.W. slope.

20.00 Deposit charred stake 12 ins. in ground for N.E. Cor. T. C. of William H. Wright, owned by James Wright, 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. 12 ins. in ground, marked
J. W. on S.W. face.

40.00 Deposit charred stake 12 ins. in ground for S.E. Cor. S. part of Claim - dug pits 18X18X12 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 ground, marked
T. A. W. on N.W. face.
Land, level and rolling.
Soil, sandy 1st and 3rd rate.

North along E. bdry.
Descend gently.

Claim Lines of T. 22 N. R. 37 W. Continued.

Chains.

16.00 Enter level valley.

20.00 Deposit charred stake 12 ins. in ground for N.E. Cor. of S. part of Claim. dug pits 18 x 18 x 12 ins. S. and E. 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 ground, marked.
T. A. W. on S.W. face.
Land, level and rolling.
Soil, sandy 1st and 3rd rate.

East along S. bdry. of E. 40 acres of Claim.
Over level meadow land.

19.00 Enter low hills.

20.00 Intersect E. bdry. at temp. Cor. deposit charred stake 12 ins. in ground for S.E. Cor. N. part 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 ground, marked
T. A. W. on N.W. face.
Land, level and rolling.
Soil, sandy 1st and 3rd rate.

(Sec. 58)

Survey of T. C. of William H. Wright. 160 acres in Sec. 33. owned by James Wright. from the N.E. Cor. of Claim established in Survey of Priz. of Thomas A. Wright, which Cor. bears N. 1°18' W. 18.96 chs. dist from ¼ Cor. bet. Secs. 33 and 34. Latitude 18.95 chs. Departure 43 lks. I run
South along E. bdry.
Over rolling ground sloping to N. W.

30.50 Descend gently from low ridge.

36.64 The N.E. Cor. of abandoned plowed feild.

40.00 Deposit charred stake 12 ins. in ground for S.W. 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.

Claim Lines of T. 22 N. R. 37 W. Continued.

Chains

In N. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground, marked
J. W. on N.W. face.
Land rolling.
Soil, sandy 3rd rate.

West along S. bdry.
Over rolling ground in abandoned plowing.

8.50 Leave plowing.

25.00 Ascend gently.

28.00 Top of ascent 20 ft. thence over rolling ground.

38.00 Ascend gently along N. slope low hills.

50.00 Trail runs N. 70° W.

60.00 Deposit charred stake 12 ins. in ground for S.W. Cor. of Claim, dug pits 18 x 18 x 12 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 ground, marked
J. W. on N.E. face.
Land, rolling.
Soil, sandy 3rd rate.

North along W. bdry. S. post of claim
Descend gently.

1.85 Trail, runs E. and W.

2.00 Bottom descent. ascend over low hills.

20.00 Deposit charred stake 12 ins. in ground for N. W. Cor. of Claim. dug pits 18 x 18 x 12 ins. S. and E. of Cor. 4 ft. and raised a mound of earth 3½ ft. base 1½ ft. high, over deposit.
Land, rolling.
Soil, sandy 3rd rate.

East along N. bdry
Ascend S.W. slope low hills.

3.80 Ridge — thence along S. face hills —

Claim Lines of T. 22 N. R. 37 W. Continued.

Chains
29.00 Descend S.E. slope.
40.00 Set temp. Cor.
Land, broken.
Soil, sandy 4th rate.

From the N.W. Cor. of Claim established in Survey of Pk. of Thomas A. Wright I run South along W. bdry. of N. 40 acres of claim Over rolling ground at foot of hills.
20.00 Intersect N. bdry of S. part of Claim at temp Cor. Deposit charred stake 12 ins. in ground for S.W. Cor. N. 40 acres of Claim, dug pits 18X18X12 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 ground, marked
J.W. on N.E. face.
Land, rolling.
Soil, sandy 2nd rate.

May 8. 1900

(Sec. 38)

Survey of H.E. of Allen Light 160.98 acres in Secs. 5 and 8. owned by Thomas Lynch, surveyed in conflict with H.E. of James R. Pratt owned by Daniel Egan.

Mr. Thomas Lynch the owner of this claim was present claimed his lines from what he termed "old Corners" as follows. an Oak stake driven flush with the ground for the S.E. Cor. it being at the S.E. Cor. of fence. The corner at the N.E. Cor. of Claim he stated had been destroyed, but stated that the fence now standing on E. bdry of claim was built over the old N.E. Cor.; for the N.W. Cor. he showed an Oak Post driven in old plowing.

From the S.E. Cor. above described. I run West along S. bdry.
Over foot hills on N. slope low range.
8.65 Wire fence runs N. and S.

Claim Lines of T. 22 N. R. 37 W. Continued.

Chains.
19.00 Ascend N.E. slope
33.00 Top of ascent 75 ft. on N face hills.
40.00 Set temp. Cor.
Land, rolling and broken
Soil, sandy 3rd and 4th rate.

From the N.W. Cor. heretofore described I run South along W. bdry.
Descend gently in old plowing.
1.25 Leave plowing
4.00 Bottom descent, thence over level land.
23.00 Ascend N. slope gradually.
38.60 Top of ascent on N. face hills.
40.18 Intersect S. bdry at a point 9 lks E. of the temp Cor. deposit charred stake 12 ins. in ground for for S.W. 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 ground, marked
T.L. on N.E. face
Land, level and rolling.
Soil, sandy 2nd and 3rd rate.

East along N. bdry.
Over rolling ground in plowing.
4.30 East edge plowing.
9.50 Old Sod House bears N. 1.50 chs. dist.
12.00 Ascend S.W. slope.
20.00 Top of ascent, thence over broken ground and ridges.
38.50 Ridges, descend E. face hills.
40.22. Intersect E. bdry of claim as represented by Mr. Lynch. Deposit charred stake 12 ins. in ground for N.E. 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. 22 N. R. 37 W. Continued.

Chains

12 ins. in ground, marked
T.L. on S.W. face -
Land rolling and broken - Soil sandy 2nd and 4th rate.
The Cor. of Secs. 4, 5, 8 and 9. bears S. 00-56 E. 15.56 chs. dist
Latitude 9.26 chs. Departure 13.71 chs.

The S.E. Cor. being visible I run
S. 00 27 W. along E. bdry. of claim.
Over broken ground on S.E. face of hills.
3.60 Descend abruptly.
6.00 Bottom descent, Enter level valley.
39.00 Ascend gently.
40.18 The S.E. Cor. of Claim.
Land, level and broken.
Soil, sandy 1st and 4th rate.

(Sec. 39)

Survey of T. C. of John H. Rosenfelt, 161.02 acres in Sec. 7.
An old Cor. as shown by Mr. Thomas, Lynch. consisting of an Oak stake in mound, I deposit a marked limestone 12 ins. in ground, in place of the Oak stake, 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 ground, marked
J. H. R. on N.E. face.
From this Cor. The ¼ Sec. Cor. on the East bdry. of Sec. 12, T. 22 N. R. 38 W. bears S. 0 45' W. 7.21 chs. dist
Latitude 7.21 Departure 9 chs.
The area of Claim being 161.02 acres and the width being 20 chs. the length of claim will be 161.02 ÷ 20 = 80.51 chs.
From the S.W. Cor. I run
East on S. bdry.
Over rolling ground in S. edge valley.
13.00 Ascend gently along N.W. slope,
40.00 Top of ascent on N. face hills, thence over ridges and broken ground.

Claim Lines - of T. 22 N. R. 37 W. Continued.

Chains

80.57 Deposit a charred stake 12 ins. in ground for S.E. Cor. of Claim, dug pits 18X18X12 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 ground, marked
J. H. R. on N.W. face.
Land rolling and broken.
Soil, sandy 3rd and 4th rate.

North along E. bdry.
Over rolling ground on N. face hills.
1.00 Descend N. slope gradually.
20.00 Set temp Cor.
Land, rolling and broken.
Soil, sandy 3rd and 4th rate.

From the S.W. Cor. I run
N. along W. bdry.
Over rolling ground.
17.00 Ascend gentle S.E. slope.
20.00 Deposit charred stake 12 ins. in ground for N.W. Cor. of Claim, dug pits 18X18X12 ins. S. and E. 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 ground, marked
J. H. R. on S.E. face.
Land, rolling.
Soil, sandy 2nd rate.

East along N. bdry.
Ascend gently.
41.00 Enter basin like valley.
30.00 Low ridge, descend
36.00 Bottom descent, over rolling land.
49.00 Ascend gently.

Claim Lines of T. 22 N. R. 37 W. Continued.

Chains

56.00 Top of slight ascent on N. slope low hills.

77.00 Descend gently

80.07 Intersect E. bdry. at the temp. Cor. deposit a charred stake 12 ins. in ground for N.E. 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. 12 ins. in ground, marked.

J.H.R. on SW. face.

Land, level and rolling.

Soil, sandy 2nd rate.

May. 19. 1900

(Sec 37)

Survey of S.E. of James R. Pratt. 160 acres in Secs. 8 and 9. owned by Daniel Egan. Claim surveyed in conflict with S.E. of Allen Light owned by Thomas Lynch. The corners and boundaries claimed a represented by Mr Egan — as follows.

The N.W. and N.E. Corners, as claimed by Mr. Egan. being shown.

The N.W. Cor. being a depression or hole in ground. being the SW. Cor. of an old corral. when I deposit a charred stake 12 ins. in ground for N.W. Cor. of claim dug pits 18X18X12 ins S. and E. 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 ground, marked

D.E. on SE. face.

This Cor. bears N.86°25'W. 19.61 chs. dist from the Cor. of Secs. 4, 5, 8 and 9. Latitude 1.21. Departure 19.57 chs.

From this Cor. I run

East on a random line on N. bdry.

39.36. Intersect E. bdry. at a point S. 2.24 chs. dist from a stake said by Mr. Egan. to be the N.E. Cor. of Claim. The true bearing of N. bdry. is therefore S.86°44'W.

In place of the stake said by Mr. Egan. to be the

Claim Lines of T. 22 N. R. 37 W. Continued.

Chains.

N.E. Cor. I deposit a charred stake 12 ins. in ground for N.E. 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. 12 ins. in ground. marked

S.E. on SW. face

From this Cor. I run

S.86°44' W. on a true line along N. bdry of claim

Over rolling ground on N. Edge of valley.

33.54 Wire fence runs N. and S.

33.58 Intersect the East bdry. of the S.E. claim of Allen Light, owned by Thomas Lynch. at a point S.00°27' W. 7.75 chs. dist. from the N.E. Cor. of claim.

Deposit charred stake 12 ins. in ground for closing Corner, 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 E. pit. drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground, marked

C.C. on E.

S.E. on S. and

P.L. for Public Land on N. face.

39.36. The N.W. Cor. of Claim

Land level and rolling. soil sandy 2nd rate.

The area of claim being 160 acres. and the distance through Claim from East to W. being 39.36 chs. the North and South measurement through middle of claim will be 160 ÷ 39.36 = 40.65 chs. the bearing of N. bdry being S.86.44' W. the Latitude of N. line is 2.24 chs. the East bdry of claim will therefore be 40.65 plus ½ of the Latitude or 1.12 chs = 41.77 chs. the length of W. bdry will therefore be 40.65 chs. less ½ of Latitude or 1.12 chs. = 39.53 chs

From the N.W. Cor I run

South along W bdry.

Over level meadow land.

Claim Lines of T. 22 N. R. 37 W. Continued.

Chains	
24.50	Leave meadow land, ascend gently.
29.80	Wire fence S. 70° E.
32.11	Intersect the S. bdry of the S.E. of Allen Light owned by Thomas Lynch, at a point 5.03 chs W. from the S.E. Cor. deposit charred stake 12 ins. in ground for Closing Corner, dug pits 18x18x12 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 ground, marked
	C.C. on N.
	T.L on W. and
	D.E on E. face
	Over low foot hills, ascending gently.
39.53	Set temp. Cor.
	Land, level and rolling.
	Soil, sandy 1st and 3rd rate.

South along E. bdry.
Over rolling valley land

31.19	Wire fence runs E. and W.
37.00	Ascend gently
41.77	Deposit charred stake 12 ins. in ground for S.E. Cor. of Claim, dug pits 18x18x12 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 ground, marked
	D.E. on N.W. face.
	Land, level and rolling
	Soil, sandy 2nd rate.

West along S. bdry.
Ascend gently along N. slope range

27.50	Top of slight ascent, thence over rolling ground.
39.36	Intersect W. bdry at temp. Cor. deposit charred stake 12 ins. in ground for S.W. Cor. of Claim, dug pits 18x18x12 ins. N. and E. of Cor. 4 ft. dist and

Claim Lines of T. 22 N. R. 37 W. Continued.

Chains	
	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 ground, marked
	D.E on N.E. face.
	Land, rolling.
	Soil, sandy 3rd rate.

(Sec 41)

Survey of Fr. of Winfred Egan 120 acres in Secs. 8 [redacted] 17, surveyed in conflict with T.C. of Allen Light and S.E. of Albert P. Allouke owned by Thomas Lynch.
The original N.W. Cor. being a pine post driven flush with ground at a fence post said by Daniel Egan to be the original location corner.
From this Cor. I run
East on N bdry.
Over level meadow ground.

5.00	Ascend gently along S.W. slope.
7.36	Wire fence runs S. 20° W.
8.30	Wire fence runs S. 45° E.
22.50	Top of ascent 60 ft. thence over low hills.
40.00	Deposit charred stake 12 ins. in ground for N.E. 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. 12 ins. in ground, marked.
	W.E. on S.W. face.
	Land level and rolling.
	Soil, sandy 1st and 4th rate.

South along E. bdry.
Descend S. slope low hills.

17.00	Bottom descent, thence over rolling ground on N. sage valley.
19.17	Wire fence runs S and W. from point 10 lks E.
20.00	Deposit charred stake 12 ins. in ground for S.E. Cor. of Claim, dug pits 18x18x12 ins. N. and W. of

Chains

Cor. 4 ft. dist. and raised a mound of earth 3 1/2 ft. base 1 1/2 ft. high, over deposit.
In N. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground, marked
W. E. on N.W. face.
Land, level and rolling.
Soil, sandy 1st and 3rd rate.
The above Cor. brass S. 850 E. 88 lks. dist from the Cor. of Secs. 16, 17, 20 and 21, Latitude 7 lks. Departure 88 lks.

West along S. bdry.
Over level valley land.
19.98 Wire fence, runs N. and S.
20.00 Set temp. Cor.
Land, level
Soil, sandy 1st rate.

South along W. bdry from original location Corner.
Over level meadow land.
38.00 Ascend gently
39.86 Wire fence runs N. 70° W.
40.00 Deposit charred stake 12 ins. in ground for S.W. Cor. of Claim, dug pits 18 X 18 X 12 ins. N. and E. of Cor. 4 ft. dist. and raised a mound of earth 3 1/2 ft. base 1 1/2 ft. high, over deposit.
In N. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground, marked
W. E. on N.E. face.
Land, level and rolling.
Soil, sandy 1st and 2nd rate.

East along S. bdry.
Over rolling ground on S. side valley.
0.75 Wire fence runs N. 70° W.
2.23 Wire fence runs N. 5° E. from point 30 lks. S.
20.00 Deposit charred stake 12 ins. in ground for S.E. Cor. of S. 40 acres of claim, dug pits 18 X 18

Chains

X 12 ins. N. 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
In N. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground, marked
W. E. on N.W. face.
Land rolling.
Soil, sandy 2nd rate.

N. along E. bdry. S. 40 acres of claims.
Over rolling ground
2.11 Wire fence runs E. and W.
4.00 Enter level meadow land.
20.00 Intersect S. bdry. N. post of claim at the temp. Cor. deposit charred stake 12 ins. in ground for N.E. Cor. S. 40 acres of claim, dug pits 18 X 18 X 12 ins. S. and E. of Cor. 4 ft. dist. and raised a mound of earth 3 1/2 ft. base 1 1/2 ft. high, over deposit.
In E. pit, drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground, marked
W. E. on S.W. face.
Land, level
Soil, sandy 1st rate.

(Sec. 44)

Survey of T.C. of Thomas Lynch 162.63 acres in Secs 18-22-37, and Secs 13-22-38
The S.E. and S.W. corner being shown by Mr. Lynch, the S.E. Cor. being an Oak Post 3 ins sq. 8 ins. above ground and S.W. Cor. being a Cedar post. 6 ins. sq. 16 ins. above ground, marked T.L on top. XX NO
From the S.E. Cor I run
West on random line, on S. bdry.
42.26. Intersect W bdry of Claim 1.12 chs. N of the S.W. Cor. the true bearing of S. bdry is therefore N. 88°30' E.
N. 88°30' E. on a true line on S. bdry of Claim.
Over rolling ground.
11.00 Enter S. edge valley.

Claim Lines of T. 22 N. R. 37 W. Continued.

Chains.

15.00 Trail, runs N. W. and S.E.

28.90 Wire fence runs N.40° E. thence over low hills.

42.26 The S.E. Cor. of Claim.

Land, level and rolling.

Soil, sandy 2nd rate.

The Latitude of S. bdry being 1/2 chs. and departure 42.26 chs. the mean width will be 162.63 ÷ 42.26 = 38.48 chs. - the East bdry. will therefore be 38.48 chs. less 1/2 of Latitude or 5.6 chs. = 37.92 and the West bdry. will be 38.48 chs. plus 1/2 Latitude = 39.04 chs.

North along E. bdry.

Over low hills.

10.00 Descend gently.

32.00 Bottom descent.

35.00 Ascend S. slope.

37.92 Deposit charred stake 12 ins. in ground for N. E. Cor. of claim, dug pits 18 X 18 X 12 ins. S 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.

In S. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground, marked

T.L. on S.W. face.

Land, rolling and broken.

Soil, sandy 2nd and 3rd rate.

West along N. bdry.

Ascend along S.E. face hills.

4.00 S. face ridge - thence over very broken ridges along top of range - ascending gently.

42.26 Set temp. Cor.

Land, broken.

Soil, sandy 4th rate.

North along W. bdry.

Over rolling ground.

2.05 Trail, runs E. and W.

Claim Lines of T. 22 N. R. 37. W. Continued.

Chains.

5.00 Enter meadow land.

17.95 Wire fence S. 75° W.

20.00 Ascend abrupt S. slope.

23.00 Top. 100 ft. thence around S. face range.

39.04 Intersect N. bdry. at temp. Cor. Deposit charred stake 12 ins. in ground for N. W. Cor. of Claim, dug pits 18 X 18 X 12 ins. S. and E. of Cor. 4 ft. dist. and raised a mound of earth 3 1/2 ft. base 1 1/2 ft. high, over deposit.

In E. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins in ground, marked

T.L. on S.E. face.

Land, level and broken.

Soil, sandy 1st and 4th rate.

This Cor. bears S. 57° 58' W. 10.44 chs. dist from the Cor. of Secs. 12 and 13. on the East bdry. of T. 22 N. R. 38 W. Latitude 6 chs. Departure 8.55 chs.

May 21. 1900.

(Sec 40)

Survey of T.C. of Allen Light, 159.58 acres in Secs. 8 and 17, owner by Thomas Lynch, In Conflict with Wm. Winfred Egan

This claim is marked by what are represented to me by Mr. Lynch, as "old corners" as follows:- a cottonwood stake 3 ins. in diameter driven flush with ground as the S.E. Cor. of N. 1/2 of claim. an Oak stake with fresh pits dug S. and W. 3 ft. dist as the N.E. Cor. of Claim the N.W. Cor. is marked by a mound with pits S. and E. The S.W. Cor. is marked by a mound with pits dug N. and E. of Cor.

From the N.E. Cor. of claim I run S. 0° 21' E. on a true line. the direction of the line having been determined at the time of making Survey of Winfred Egan Pre.

S face hills.

2.00 Descend S. slope.

11.73 Wire fence runs N. 80° W. enter meadow.

13.09 Intersect W. bdry of Winfred Egan Pre at a point 3.54 chs. East from the N.W. Cor. when I deposit

Claim Lines, of T. 22 N. R. 37 W. Continued.

Chains

charred stake 12 ins. in ground for closing corner. dug pits 18X18X12 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 ground, marked
C.C. on N.
T.L. on W. and
P.L. on E. face.

20.21 Cottonwood post on line. said to be old location Cor. I prolong this line S. 21' E.

20.60 Wire fence runs nearly N. and S.

40.00 Set temp. Cor.
Land, level and rolling.
Soil, sandy 1st and 4th rate.

From the N.E. Cor. I run
West on a random line on N. bdry.

39.70 Intersect W. bdry - 4 lks. N. of the N.W. Cor. thence I run N. 89°58' E. on a true line on N. bdry.
Over very broken ground on top range.

35.20 Descend from ridge.

39.70 The N.E. Cor. of Claim.
Land, broken.
Soil, sandy 4th rate.

The S.W. Cor. being visible from N.W. Cor. I run for said Cor. or
S. 0°1' E. on a true line on W. bdry of Claim.
Over broken ground on S. face hills.

17.00 Descend S. slope.

19.00 Bottom descent

21.80 Wire fence S. 80° W. Enter meadow land.

33.00 Leave meadow ascend gently.

40.05 The S.W. Cor. of Claim being also the S. bdry. of H.E. of Albert. P. Monk.
Land, level and broken.
Soil, sandy 1st and 4th rate.

Claim Lines of T. 22 N. R. 37 W. Continued.

Chains

This Cor. bears S. 21°20' E. 7.52 chs. dist from Cor. of Secs. 7, 8, 17 and 18 Latitude 7 chs. Departure 274 chs.
274

East along S. bdry between Light and Monk claims.
Over rolling ground.

4.00 Descend gently.

11.50 Enter meadow land.

36.24 Intersect W. bdry. of Winfred Egan Pre at a point N. 13 chs. dist from the S.W. Cor. deposit charred stake 12 ins. in ground for closing corner 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 W. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground, marked
C.C. on W. and
T.L. on N. and S. face.

39.95 Intersect E. bdry. of claim 9 lks. S. of temp. Cor. Deposit charred stake 12 ins. in ground for S.E. Cor. of Light T.C. and N.E. Cor. of Monk H.E. dug pits 18X18X12 ins. N. and W. of Cor. 4 ft. dist. and raised a mound of earth 3½ ft. base 1½ ft. high, over deposit.
In W. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground, marked
T.L. on S.W. and N.W. faces.
Land, level.
Soil, sandy 1st rate.

(Sec. 43.)

Survey of H.E. of Albert. P. Monk 160 acres in Secs. 17 and 18. In conflict with Pr. of Winfred Egan
The N.E. Cor. being described in Survey of T.C. of Allen Light - from this Cor. I run
South along E. bdry -
Over level meadow land.

11.42 Wire fence runs E. and W. ascend gently.

13.00 Intersect S. bdry. of Winfred Egan. Pre at a point 3.71 chs. East from S.W. Cor. deposit charred stake 12 ins. in ground for closing corner dug pits 18X18X12 ins. N. and S. of Cor. 4 ft. dist. and

Claim Lines of T. 22 N. R. 37 W. Continued

Chains

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 ground, marked
C.C. on N.
T.L. on W. and
W.E. on E. face
Ascend gently.
38.00 Top of ascent, thence along S.E. face hills.
40.00 Deposit charred stake 12 ins. in ground for S.E. Cor. of Claim, dug pits 18X18X12 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 ground, marked
T.L. on N.W. face.
Land, level and rolling.
Soil, sandy 1st and 3rd rate.

West along S. bdry
Ascend E. slope ridge.
1.30 Top 30 ft. above Cor. thence ascend over ridges on E. face hills.
19.00 Descend —
20.00 Deposit charred stake 12 ins. in ground for S.W. 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 ground, marked.
T.L. on N.W. face
Land, broken
Soil, sandy 4th rate.

N. along W. bdry of S. 40 acres.
Over broken ground.
10.00 Descend N. slope gradually.
20.00 Set temp Cor.

Claim Lines of T. 22 N. R. 37 W. Continued.

Chains

Land broken
Soil, sandy 4th rate.

From the S.W. Cor. of Allen Light T. C.; the Cor. Mng W. 39.95 from the S.E. Cor. of Claim; I run
West along S. bdry of Monk. S.E.
Over rolling ground sloping gently to N.
6.88 Wire fence runs N.W. and S.E.
20.05 Deposit charred stake 12 ins. in ground for S.W. Cor. of Claim, dug pits 18X18X12 ins S and E. 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 ground, marked.
T.L. on S.E. face.
Land, rolling.
Soil, sandy 2nd rate.

S. along W. bdry.
Ascend gradual N. slope.
20.00 Deposit charred stake 12 ins. in ground for S.W. 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 ground, marked
T.L. on N.E. face.
Land, rolling.
Soil, sandy 3rd rate.

East along S. bdry.
Ascend gently along N. slope hills.
15.16 Wire fence runs N. and S.
17.00 Descend over ridges gently
40.00 Intersect W. bdry of S. 40 acres at temp Cor.
Deposit charred stake 12 ins. in ground for N.W. Cor. S. 40 acres of claim, dug pits 18X18X

Chains

12 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. 12 ins. in ground, marked
T. L. on S.E. face.
Land, broken.
Soil, sandy 4th rate.

May. 22. 1900.

(Sec 48.)

Survey of S.E. of Elijah. E. Adams - 160 acres. in Secs. 22 and 23. owned by James Wright.
A Cedar post 6 ins. in diameter 6 inches above ground, being shown as SW. Cor. which post bears N. 38° 27' W. 13.54 chs. dist from the Cor. of Secs. 22, 23, 26 and 27 - Latitude 10.54 chs, Departure 8.61 chs.
From the old Cor. I run
North along W. bdry.
Over rolling ground.

7.00 Trail runs N. 70° W. Enter meadow land.
16.00 Ascend S. slope.
24.21 Wire fence runs N. 75° E.
25.00 Top of ascent 60 ft. above valley. thence along S. face hills.
40.00 Set temp. Cor.
Land, level and broken.
Soil, sandy 1st and 3rd rate.

East along S. bdry.
Over rolling ground.

1.00 Descend gently.
14.75 Trail runs N.W. and S.E.
20.00 Bottom descent in S. Edge valley.
35.00 Ascend gently.
38.25 Top of ascent 30 ft. over rolling ground.
40.00 Deposit charred stake 12 ins. in ground for S. E. Cor. of Claim; dug pits 18X18X12 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.

Chains

12 ins. in ground, marked
J. W. on N.W. face.
Land, rolling.
Soil, sandy 3rd rate.

North along East boundary.
Over rolling foot hills.

17.47 Wire fence runs N. 30° W.
29.00 Descend gradually.
32.00 Bottom of descent.
34.00 Wire fence runs E. and W.
36.00 Ascend.
39.00 Top of ascent 40 ft. thence over broken ground.
40.00 Deposit charred stake 12 ins. in ground for N. E. 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. 12 ins. in ground, marked.
J. W. on S.W. face.
Land, rolling.
Soil, sandy 3rd rate

West on N. bdry.
Over broken ground.

5.30 Ridge. descend.
10.00 Ascend along S.E. face over broken ground.
12.80 Wire fence runs N.W. and S.E.
16.50 S. face ridge, thence over ridges on S. face hills.
30.50 Ridge, descend West face.
40.00 Intersect W. bdry at temp. Cor. deposit charred stake 12 ins. in ground for N.W. Cor. Claim dug pits 18X18X12 ins. S. and E. 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 ground, marked.
J W on S.E. face.
Land. broken.
Soil, sandy 4th rate.

May. 23. 1900

Claim Lines of T. 22 N. R. 37 W. Continued.

Chains

Survey of T. C. of Cyrus Bollen Baugh 160 acres in Secs. 22 and 27. owned by James Wright. a shown on Supplemantary Plat.
This Claim was surveyed May 23. 1900. upon lines pointed out by Mr. Wrights foreman who did not understand how the claim was taken or what ground it covered. and by special request of Mr. James Wright, owner of claim, I make a new survey from the corner and upon lines claimed by Cyrus Bollen Baugh the original owner. who claims the Leader Post as described as the S.W. Cor. of Elijah E. Adams. H.E. as the "middle" corner on the East boundary of his claim — Therefore at a point on the West boundary of H.E. of Elijah E. Adams. 20 chs. N. from S.W. Cor. I deposit a broken casting 12 ins. in the ground for N.E. Cor. of Claim. dug pits 18 X 18 X 12 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. 12 ins. in ground, marked
J. W. on S.W. face.

West along N. bdry of claim.
Over broken ground on S. slope hills, ascending gently.
6.20 Trail, runs N. and S.
7.00 Bottom descent, thence ascend E. slope ridge.
18.55 Wire fence runs S. 85° W.
20.00 Deposit charred stake 12 ins. in ground for N.W. Cor. of N. 40 acres of claim. dug pits 18 X 18 X 12 ins. S. and E. 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 ground, marked.
J. W. on S.E. face.
Land, broken —
Soil, sandy 4th rate.

Claim Lines of T. 22 N. R. 37 W. Continued.

Chains

South along W. bdry. N. 40 acres of claim.
Descend gently on S.E. face hills.
6.28 Wire fence S. 85° W.
7.00 Descend abrupt S.E. slope.
12.00 Bottom of descent, over rolling valley land.
20.00 Set temp. Cor.
Land, rolling and broken.
Soil, sandy 2nd and 4th rate.

From the original location Corner as described in Survey of Elijah E. Adams H.E. I run South along E. bdry. S. part of Claim.
Over rolling ground at foot of hills.
5.00 Ascend N.W. slope
9.00 Top 40 ft. thence over broken ground on W. face ridge.
20.00 Deposit ~~broken Casting~~ 12 ins in 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 ground, marked
J. W. on N.W. face.
Land, rolling and broken.
Soil, sandy 3rd rate.

West along S. bdry.
Ascend E. face ridge.
4.50 Top of ascent on N face low ridge, thence over low ridges on N face low range.
29.00 Descend gently.
52.80 Enter plowing N and S. over rolling ground.
56.70 Leave plowing, thence over level land.
60.00 Deposit ~~Casting~~ 12 ins. in ground for S.W. Cor. of Claim, dug pits 18 X 18 X 12 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.

Claim Lines - of T. 22 N. R. 37 W. Concluded -

Chains

12 ins. in ground, marked
J. W. on N. E. face.
Land, level - and rolling.
Soil, sandy 2nd and 3rd rate.

North along W. bdry.
Over level valley. —
8.00 Ranch trail runs N. 70° E.
17.50 Ranch trail S. 70° E. ascend gently.
20.00 Deposit charred stake 12 ins. in ground for N.W. Cor. of Claim, dug pits 18 X 18 X 12 ins. S and E. 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 ground, marked
J. W. on S.E. face.
Land, level - and rolling.
Soil, sandy 2nd rate.

East along N. bdry.
Ascend - gently - along S. slope.
6.00 S. face of low ridge, descend - gently
16.00 Bottom of descent, over valley land.
40.00 Intersect W. bdry of N. 40 acres at the temp Cor. deposit ~~broken~~ casting 12 ins. in ground for N.W. Cor. N 40 acres 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 a Cedar stake 2 ft. long 3 ins. sq. 12 ins. in ground, marked
J. W. on N. E. face.
Land, level and rolling.
Soil, sandy 2nd rate.

June. 13. 1900.

Subdivision - of T. 22 N. R. 37 W. Continued.

General Description —

This Township consists of a series of almost regular ranges of hills with wide wet valleys between many of the ranges. The Soil is very sandy, producing a sand grass peculiar to this region. in the wet valleys a very heavy growth of hay is produced.

The Claims of James W. Whitney, Otto Schmidt and Fredrick Haulou were not surveyed as no evidence of the claims were visible nor had either of them a representative.

Willard W. Alt.
U. S. Surveyor.

May. 23. 1900.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

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

.....

showing the respective capacities in which they acted:

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

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

.....

.....

..... of the .....

..... meridian, ... of ....., which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for .....

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

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

SEAL

.....

.....

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

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

.....

.....

.....

..... of the .....

..... meridian, in the ..... of ....., which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for ..... and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

.....

United States Deputy Surveyor.

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

SEAL

APPROVAL.

General Land OFFICE OF THE UNITED STATES ~~SURVEYOR GENERAL~~,

Wash D.C. June 30, 1900 ~~189~~

The foregoing field notes of the survey of Subdivision of Claim Lines of Township No. 22 North, Range 30 West

executed by William W. Alt U.S. Surveyor under his contract No. —, dated April 17, 189 9, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Binger Hermann

~~United States Surveyor General.~~ Commissioner of Land

I ~~certify that the foregoing transcript of the field notes of the above described surveys in~~ Ex-Officio Surveyor General for Nebraska, has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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General Land Office • Original Field Notes

Book Number

778

W.W. Alt Subdivision of T 22 N - R 37 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.