General Land Office • Original Field Notes

Book Number

777

W.W. Alt Subdivision of T 21 N - R 33 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.

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4—679.

Rec'd with letter from W. W. Alt. U.S. Surveyor, dated April 30, 1900.

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RESURVEY OF
SUBDIVISION and
CLAIM LINES
of
T. 21 – 24
R. 33 – 35 W.
1895 --- 1899

FIELD NOTES

OF THE SURVEY OF THE

Subdivision Lines
of
Township No. 21 North
Range 33 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, 1899

Survey commenced July 20, 1899

Survey completed July 31, 1899

6—151

NAMES AND DUTIES OF ASSISTANTS.

Arthur H. Willeny, Chairman
Archie J. Stratton, "
Eugene C. Paine, Flagman
Daniel H. Templeton Moundman

6—151

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Township 21 N, *Range* 33 W

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6—151

PRELIMINARY OATHS OF ASSISTANTS.

WE, ... and .....
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain 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 T. 21 N. R. 33 W.

chains	
	I commence at the cor. of Secs. 5. 6. 31 and 32. on the North. bdry. of Township. and run.. S. 0°5' W. bet. Secs. 5 and 6.. paralld to W bdry. of Tp. Over rolling valley land..
11.75	Old Trail course E. and W..
40.00.	Deposit charred stake. 12 ins. in ground for 1/4 Sec. cor. dug pits. 18 X 18 X 12 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.	Ascend N slope hills gradually..
60.00.	Top of ascent. on low range of hills.
73.00.	Descend S. slope. over broken ground..
80.00.	Deposit charred stake 12 ins. in ground for cor. of Secs. 5. 6. 7 and 8. 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. 21 N. S. 5 on N. E. R. 33 W. S. 8 on S.E. S. 7 on S.W. and S. 6 on N.W. faces. with 5 notches on S. and E. edges. Land. rolling and broken. Soil sany. 4 th rate.
	West on random line bet. Secs. 6 and 7.
40.00	Set temp. 1/4 sec. cor.
80.10	Intersect W. bdry Tp. 16 lks S. of the cor. of. Secs. 1. 6. 7 and 12. Thence I run. S. 89° 53' E. on a true line bet. secs. 6. and 7. Ascend along S.W. slope.
22.00	Top of ascent. on S. face. low ridge.. descend..
27.00.	Bottom Descent. in S. edge. ravine or pass. running E and W..

Subdivision of T. 21. N. R. 33 W.. Continued

chains

37.00. Ascend along S.W.. slope range..

40.05 Deposit charred stake 12 ins. in ground. 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..

80.00 Top of ascent on N slope hills. thence along S. slope

80.10. The cor. of Secs. 5.6. 7 and 8.
Land broken.
Soil sandy. 4th rate.

S. 0°5' W. bet. Secs. 7 and 8.

1.50. Descend abruptly

7.00. Bottom descent in ravine E. and W.. at Trail E. & W.
Ascend gradually..

34.00 Top of ascent on low hills. along N. face low ridge.

40.00 Deposit charred stake 12 ins. in ground. for 1/4 Sec. Cor. dug pits. 18x18x12 ins. 14. 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 gradually over low ridges.

70.00 Descend slight change over low hills.

80.00 Deposit a 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. 21 N. S. 8 on N.E.
R. 33 W. S. 17 on S.E.
S. 18 on S.W. and
S. 7 on N.W. face with 4 notches on S. and 5 notches on E. edge.
Land broken.
Soil sandy. 4th rate.

Subdivision of T. 21 N. R. 33 W.. Continued.

chains

N. 89°53' W. on a random line bet. Secs. 7 and 18.

40.00 Set temp. 1/4 Sec. cor.

80.16 Intersect W. bdry. of Tp. at the cor of Secs. 7. 12. 13 and 18.
Thence I run
S. 89°53' E.. on a true line bet. Secs. 7 and 18.
Over low hills..

40.08 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.

51.00. Ascending along S.W. slope —

62.50. Top of ascent 70 ft. on S. face of ridge.

70.00. Descend —

79.00 Bottom —

80.16. The cor. of secs. 7. 8. 17 and 18
Land rolling and broken
Trail. Sandy 4th rate.

S. 0°5' W. bet Secs. 17 and 18

2.00 Descend gradually..

25.00 Descend river bluff..

38.10. Center of S. fork Dismal River. 15 lks wide flows E..

40.00. Falls in march — when cor. can not be constructed

40.10. Dismal River 20. lks. wide flows S.W.

41.00. S. bank Dismal 15 lks wide flows E.. ascend..

41.70. River bluff.. ascend N. slope..

42.00. Deposit charred stake 12 ins. in ground for. Witness cor. to 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
W.C. 1/4 S. on W. face

44.00 ascend abruptly

47.00 Top of abrup ascent. 100 ft. above river.

Subdivision of T. 21 N. R. 33 W. Continued.

chains	
	Ascend gradually S. Slope hills.
47.00	Trail course E. and W.
60.00	Top of ascent on low hills.
75.00	Descend gently
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 20. marked.
	T. 21 N. S. 17 on N.E.
	R. 33 W. S. 20 on S.E.
	S. 19. on S.W. and
	S. 18 on N.W. face. with 5 notches on S. and 4 notches on E. edge. dug pits. 18X18X12 ins. in each Sec. 5½ ft. dist. and raised a mound of earth. 4 ft. base. 2 ft. high. W. of Cor.
	Land, broken.
	Soil sandy. 4 th rate.

	N. 89°53' W. on a random line bet. Secs. 18 and 19.
40.00	Set temp. ¼ sec cor.
80.10	Intersect W. bdry of Tp. 23 lks N. of the cor. of secs. 13. 18. 19. and 24.
	Thence I run
	N 89°57' E. on a true line bet. secs. 18 and 19.
	Ascend gently along N. slope
20.00	Top of ascent on N. face low ridge.
30.00	Descend.
40.05	Deposit a charred stake. 12 ins. in ground for ¼ sec. 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.
43.00	Descend N. face bluffs.
57.00	Bottom Descent. thence descend over ridges.
63.14	Wire fence course N. and S.
80.10	The cor. of secs. 17. 18. 19 and 20.
	Land broken.
	Soil sandy 4 th rate.

July 20. 1899

Subdivision of T. 21 N. R. 33 W. Continued

chains	
	S. 0°5' W. bet. Secs. 19 and 20.
	Descend over rolling hills.
16.00	Bottom descent, thence ascend N. slope gradually
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
50.30	Top of ascent on bluff 100 ft. above valley
60.00	Descend gradually.
70.00	Descend abrupt S.W. slope.
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. 21 N. S. 20 on N.E.
	R. 33 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. edge.
	Land, broken
	Soil sandy. 4 th rate.

	S. 89°59' W. on a random line bet. Secs. 19 and 30
40.00	Set temp. ¼. Sec. Cor.
80.12	Intersect W. bdry. of Tp. 7 lks. N. of the Cor. of Secs. 19. 24. 25 and 30.
	Thence I run
	N. 89°54' E. on true line bet. Secs. 19 and 30.
	Over rolling ground in basin.
19.20	Trail, course N.E. and S.W. ascend along S.W. slope over broken ground.
40.16	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

Subdivision of T. 21 N. R. 33 W. Continued

chains	
	mound of earth 3½ ft. base 1½ ft. high, over deposit
	On E. pit, drove an Oak stake 2 ft. long, 2 ins sq. 12 ins. in ground, marked ¼ S. on N. face
80.12	The Cor. of Secs. 19. 20. 29 and 30.
	Land rolling and broken.
	Soil sandy. 4th rate.

	S. 0°5' W. bet. Secs. 29. and 30.
	Descend SW. slope.
18.00	Descend abruptly.
23.60	Trail course E. and W. at bottom descent.
	ascend over low hills.
38.00	Sand bluff.
40.00	Deposit charred stake 12 ins. in ground for Sec. Cor. dug pit 18X18X12 ins. N and S. of Cor. 4 ft. dist, and raised a mound of earth 3½ ft. base 1½ ft. high, over deposit.
	On S. pit. drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground. marked ¼ S. on W. face.
49.00	Top of range. thence over broken ground,
57.00	Descend S. slope.
76.00	Bottom thence over rolling ground.
80.00	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
	on SE. pit. drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground. marked T. 21 N. S. 29 on N.E. R. 33 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 broken —
	Soil, sandy. 4th rate.

Subdivision of T. 21 N. R. 33 W. Continued

chains	
	S. 89°54' W. on a random line bet. Secs. 30 and 31.
40.00	Set. temp. ¼ Sec. Cor.
80.24	Intersect. W. Bdry. of Tp. 8 Lks. S of the Cor of Secs. 25. 30. 31. and 36.
	Thence I run
	N. 89° 57' E. on a true line bet. Secs. 30 and 31.
	Ascend gently along SW. slope.
4.00	Trail course N. W. and S.E.
14.00	Top of ascent, on low ridge.
27.00	Descend gradually E. slope.
40.12.	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.
45.00	Bottom descent, thence over rolling ground.
80.24	The Cor. of Secs. 29. 30. 31 and 32 —
	Land rolling —
	Soil sandy, 4th rate.

	S. 0.°5' W. on a true line bet. Secs. 31 and 32.
	Over rolling ground.
6.40	Trail, course SW. and N.E.
18.70	Trail course E. and W. ascend gradually S. slope
34.00	Top of gradual ascent, thence along S.E. face Bluffs.
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 ground. marked ¼ S. on W. face.
44.00	Top of ascent 150 ft. above valley.
58.00	Descend over broken ground and ridges.

chains.

80.16 Intersect 5th Standard Parallel at a point.
S. 89° 55' W. 5.11. chs. dist, from the Standard Cor of Secs. 31 and 32. where I deposit a charred stake 12 ins in ground for closing Cor. of Secs. 31 and 32. dug pits 24X18X12 ins. crosswise on each line, N.E. and W. 4 ft. dist., and raised a mound of earth, 4 ft. base 2 ft. high. over deposit.
In N. pit. drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground. marked.
C. C. T. 21 N. R. 33 W. on N.
S. 32 on E. and
S. 31 on W. faces. with 5. grooves on E. and 1 groove on W. faces.
Land Broken
Soil Sandy, 4th rate.

July 22. 1899.

From the Cor. of Secs. 4. 5. 32 and 33 on N. bdry. of Tp. I run parallel to W. bdry. of Tp.
S. 0° 6' W. bet. Secs. 4 and 5.
Descend gradually.
19.25 Trail runs S. 70° E.
30.00 Ascend over low ridges.
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 Top of ascent on low range of hills bearing E. & W.
72.00 Descend over rolling ground.
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 S.E. pit. drove an Oak Stake 2. ft. long. 2 ins. sq. 12 ins. in ground. marked
T. 21 N. S. 4 on N.E.

chains.

R. 33 W. S. 9 on S.E.
S. 8 on S.W. and
S. 5 on N.W. face with 5 notches on S. and 4 notches on E. edges.
Land Broken
Soil, sandy 4th rate.

West on random line bet. Secs. 5 and 8.
40.00 Set temp. 1/4 Sec. Cor.
80.16 Intersect N. and S. line at the Cor. of Secs. 5. 6. 7 and 8.
Thence I run.
East on a true line bet. Secs. 5 and 8.
Ascend S. face hills
7.00 Top of ascent ridges. descend gently on very broken ground on S. face range.
34.00 Ascend along S.W. slope.
39.00 Top. thence over rolling ground on S. face hills.
40.08. 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 the ground. marked.
1/4 S. on N. face.
80.16 The Cor. of Secs. 4. 5. 8 and 9.
Land broken
Soil sandy. 4th rate.

S. 0° 6' W. bet. Secs. 8 and 9.
Descend gradually.
10.00 Descend abruptly.
16.50 Bottom of descent. at trail. in ravine. course E. and W.
Ascend gradually 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 3½ ft. base 1½ ft. high. over deposit.
In S. pit. drove an Oak Stake 2 ft. long 2 ins. sq.

Subdivision of T. 21 N., R. 33 W., Continued.

chains

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

48.00 Top of ascent, thence over broken ground.

53.00 Descend river bluffs.

65.58 N. bank, South Fork, Dismal River 25 lks. wide
flows N. 80° E.

68.00 Ascend along W. face of canon.

75.00 Top of ascent on table land.

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 S.E. pit drove an Oak stake 2 ft. long 2 ins. sq.
12 ins in the ground, marked
T. 21 N. S. 9 on N.E.
R. 33 W. S. 16 on S.E.
S. 17 on S.W., and
S. 8 on N.W. face, with 4 notches on S. and E. edge.
Land, broken.
Soil, sandy 4th rate.

West on a random line bet. Sec. 8 and 17.

40.00 Set temp. 1/4 Sec. Cor.

80.00 Intersect N. and S. line 20 lks. N. of the Cor. of Secs.
7, 8, 17 and 18.
Thence I run
N. 89° 51' E., on a true line bet. Secs 8 and 17.
Ascend along S.W. slope

14.10 Top of ascent, thence along S. face of ridge.

31.00 Descend.

40.00 Deposit charred stake 12 ins. in ground for 1/4 Sec.
Cor. dug pit 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.

42.00 River bluff, descend abrupt S.E. slope.

50.65 Bottom descent at Dismal River 15 lks. wide

Subdivision of T. 21 N., R. 33 W. Continued.

chains.

flows, N. E.

54.00 Leave river bottom — ascend N. face bluffs.
over ridges and ravines.

80.00 The Cor. of Secs. 8, 9, 16 and 17.—
Land broken.
Soil sandy. 4th rate.

S. 0° 6' W. bet. Secs. 16 and 17.
Ascend N. slope gradually.

12.00 Top of ascent on low hills.

22.00 Trail, course E. and N. 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 ground, marked
1/4 S. on W. face.
Ascend.

70.70 Top of ascent on Sand Bluff.

78.00 Descend.

80.00 Deposit charred stake 12 ins. in ground for Cor.
of Secs. 16, 17, 20 and 21, dug pit 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. 21 N. S. 16 on N. E.
R. 33 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. edges.—
Land, broken.
Soil, sandy. 4th rate.

S. 89° 51' W., on a random line bet. Secs. 17 and 20.

40.00 Set temp. 1/4 Sec. Cor.—

80.20 Intersect N. and S. line 5 lks. S. of the Cor. of Secs.

chains	
	17. 18. 19. and 20.
	Thence I run
	N. 89° 53' E. on a true line bet. Secs. 17. and 20.
	Along S. slope range, over rolling ground.
8.00	Descend.
21.00	Enter neck of valley, course N. E. and SW. of
26.00	Ascend SW. slope over broken ground.
40.10	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.
65.00	Top of ascent.
70.00	Descend.
80.20	The Cor. of Secs. 16. 17. 20. and 21.
	Land broken.
	Soil, sandy, 4th rate.
	July 21 - 1899.

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chains	
	S. 0° 6' W. bet. Secs. 20. and 21.
	Ascend.
2.00	Ridge. Descend gradually over rolling 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 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 N. face.
42.00	Ascend over rolling ground.
54.00	Top of ascent on E. face bluff.
73.00	Descend SE. face bluff.
75.50	Descend S. slope
80.00	Deposit charred stake 12 ins. in ground for 1/4 Sec. Cor. dug pits 18x18x12 ins. in each Sec. 4 ft. dist. and raised a mound of earth 4 ft. base 2 ft. high, over deposit.

chains	
	In SE. pit, drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground, marked T. 21 N. S. 21. on N.E. R. 33 W. S. 28 on SE. S. 29. on SW. and S. 20 on N. W. face with 2 notches on S. and 4 notches on E. edges.
	Land broken
	Soil, sandy. 4th rate.

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chains	
	S. 89° 53' W. on a random line bet. Secs. 20. and 29.
40.00	Set temp. 1/4 Sec. Cor.
81.30	Intersect N. and S. line 7 lks. S. of the Cor. of Secs. 19. 20. 29. and 30.
	Thence I run
	N. 89° 56' E. on a true line bet. Secs. 20. and 29.
	Ascend SW. slope.
3.00	Top of ascent along S. face hills.
15.00	Ridge. Course N. and S. descend gently over broken ground.
40.15	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 S. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground, marked. 1/4 S. on N. face.
70.00	Descend SE. slope
80.30	The Cor. of Secs. 20. 21. 28. and 29.
	Land broken.
	Soil, sandy. 4th rate.

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chains	
	S. 0° 6' W. bet. Secs. 28 and 29.
	Descend S. slope.
14.00	Bottom, descent, over rolling ground.
18.75	Trail, course E. and W. ascend N. slope gradually.
40.00	Deposit charred stake 12 ins. in ground for 1/4 Sec. Cor. dug pits 18x18x12 ins. N.

Subdivision of T. 21 N. R. 33 W. Continued.

chains.

and S. of Cor. 4 fs. dist. and raised a mound of earth 3½ fs. base 1½ fs. high, over deposit.
In S. pit drove an Oak stake 2 fs. long 2 ins. sq. 12 ins. in ground, marked
¼ S. on W. face.

62.00 Top of ascent on low range hills.

68.00 Descend gradually.

80.00 Deposit charred stake 12 ins. in ground for Cor. of Secs. 28.29. 32 and 33. dug pits 18X18X12 ins. in each Sec. 4 fs. dist. and raised a mound of earth 4 fs. base 2 fs. high, over deposit.
In S. pit drove an Oak stake 2 fs. long. 2 ins sq. 12 ins. in ground, marked
T. 21 N., S. 28 on N. E.
R. 33 W. S. 33 on S.E.
S. 32 on S.W. and
S. 29 on N.W. face, with 1 notch on S. and 4 notches on east edge —
Land broken.
Soil sandy 4 th rate.

S. 89° 56' W. on a random line bet. Secs. 29 and 32.

40.00 Set temp. ¼ Sec. Cor.

80.30 Intersect N. and S. line 32 lks S. of the Cor. of 29, 30, 31 and 32.
Thence I run
S. 89° 50' E. on a true line bet. Secs. 29 and 32.
Over rolling ground.

6.00 Trail, course N.E. and S.W.

12.00 Ascend N.W. slope low hills.

40.15 Deposit charred stake 12 ins. in ground for ¼ Sec. Cor. dug pits 18X18X12 ins. E. and W. of Cor. 4 fs. dist. and raised a mound of earth 3½ fs. base 1½ fs. high, over deposit.
In S.E. pit drove an Oak stake 2 fs. long 2 ins. sq. 12 ins. in ground, marked
¼ S. on N. face.
Ascend along S.W. slope range —

Subdivision of T. 21 N. R. 33 W.

chains.

59.00 Top of ascent, thence along S. slope hills.

80.30 The Cor. of Secs. 28. 29. 32 and 33.
Land rolling and broken.
Soil sandy 4 th rate.

S. 0°6' W. on a true line bet. Secs. 32 and 33.
Descend gradually.

16.00 Bottom descent, Over rolling ground.

27.50 Trail, Course E. and W. ascend gradually N. slope.

39.00 Top of low range hills. thence over broken ground.

40.00 Deposit charred stake 12 ins. in ground for ¼ Sec. Cor. dug pits 18X18X12 ins. N. and S. of Cor. 4 fs. dist. and raised a mound of earth 3½ fs. base 1½ fs. high, over deposit.
In S. pit drove an Oak stake 2 fs. long 2 ins sq. 12 ins. in ground, marked
¼ S. on W. face

50.00 Descend

55.00 Ravine. Course N.E. and S.W. ascend S.W. slope

70.00 Sand bluff — descend —

80.08 Intersect 5th Standard Parallel at a point N. 89° 52' W. 5.55 chs. dist. from the Standard Cor. of Secs. 32 and 33, deposit charred stake 12 ins. in ground for closing Cor. of Secs. 32 and 33. dug pits 24X18X12 ins. crosswise on each line N.E. and W. of Cor. 4 fs. dist. and raised a mound of earth 4 fs. base 2 fs. high, over deposit.
In N. pit drove an Oak stake 2 fs. long 2 ins. sq. 12 ins. in ground. marked
C.C. T 21 N. R. 33 W. on N.
S. 33 on E. and
S. 32 on W. face with 4 grooves on E. and 2 grooves on W. faces.
Land broken
Soil, sandy. 4 th rate.

July 24. 1899.

Subdivision of T. 21 N. R. 33 W. Continued.

chains

From the Cor. of Secs. 3. 4. 33. and 34. on N. bdry. of Tp.
I run. Parrellel to W. bdry of Tp.
S. 0° 6' W. bet. Secs. 3. and 4.
Over low hills.
6.10 Trail, course E. and W.
14.00 Ascend along N. E. slope.
17.50 Top of ascent on E. face Cow Bluff -- descend.
37.00 Bottom descent in basin, ascend 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 N. face.
68.00 Top of ascent on low hills — Descend gently.
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. 21 N. S. 3 on N. E.
R. 33 W. S. 10 on S. E.
S. 9 on S. W. and
S. 4 on N. W. faces. with 5 notches on S. and 3 notches on E. edges. dug pits, 18X18X12 ins. in each Sec. 5 1/2 ft. dist. and raised a mound of earth 4 ft. base 2. ft. high !!! of Cor.
Land, broken —
Soil sandy. 4 th rate.

West on a random line bet. Secs. 4. and 9.
40.00 Set temp. 1/4 Sec. Cor.
80.00 Intersect N. and S. line 14 chs. S. of the Cor. of Secs. 4. 5. 8. and 9 —
Thence I run.
S. 89° 54' E. on a true line bet. Secs. 4. and 9.
Descend along S. face hills —
30.00 Bottom descent. ascend gradually over ground and ridges on S. face hills.
40.00 Deposit charred stake 12 ins in ground for

Subdivision of T. 21 N. R. 33 W. Continued.

chains

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.
73.00 Top of ascent on ridges —
80.00 The Cor. of Secs. 3. 4. 9. and 10.
Land broken.
Soil sandy. 4 th rate.

S. 0° 6' W. bet. Secs. 9. and 10.
On S. face range.
8.00 Descend abruptly.
17.00 Bottom descent at head of Spring Creek. flows E.
Ascend over rolling 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 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 N. face
41.00 Top of ascent. Thence over broken ground.
59.00 Descend gradually.
68.00 Descend abrupt river bluff.
73.00 Center of Dismal River 20 Chs. wide flows E.
Ascend abrupt.
74.25 River bluff. 40 ft. above water. ascend gradually.
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 S.E. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground. marked
T. 21 N. S. 16 on N. E.
R. 33 W. S. 15 on S.E.
S. 16 on S.W. and.

chains	
	S. 9. on N. W. face, with 4 notches on S. and 3 notches on E. Edge Land Broken. Soil sandy 4 th rate — .
	N 89°54' W. random line bet Secs. 9. and 16.
40.00	Set temp. 1/4 Sec. Cor.
80.10	Intersect N. and S. line, 5 Chs N. of the Cor. of Secs. 8. 9. 16. and 17..
	Thence I run East on a true line bet. Secs. 9. and 16. Ascend gently along N. W. slope over rolling ground
15.00	Top of ascent, thence along N. slope over low ridges and deep ravines — descending gently.
40.05	Deposit charred stake 12 ins. in 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 S. pit drove an Oak stake 2 ft. long. 2 ins. sq. 12 ins. in ground. marked 1/4 S. on N. face.
80.10	The Cor. of Secs. 9. 10. 15. and 16. Land rolling and broken — Soil sandy. 3rd rate.
	S. 0°6' W. bet. Sec. 15. and 16. Ascend river Bluffs abruptly —
11.00	Top of abrupt ascent 100 ft. above river. ascend gently.
16.70	Trail. Course E. and W.
22.50	Top of ascent on low hills. thence over rolling ground.
36.00	W. face of sand Bluff — descend gradually.
40.00	Deposit charred stake 12 ins. in ground for 1/4 Sec. Cor. dug pits 18 X 18 X 12 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

Chains	
	1/4 S. on W. face.
70.00	Bottom of descent. thence over foot hills..
80.00	Set an Oak Post 3 ft. long 4 ins. sq. with charred stake 24 ins. in ground. marked T. 21 N. S. 15 on N. E. R. 33 W. S. 22 on S.E. S. 21 on S.W. and S. 16 on N. W. face — with 3 notches on S. and E. edges — dug pits 18 X 18 X 12 ins. in each Sec. 5 1/2 ft. dist. and raised a mound of earth 4 ft. base. 2 ft. high. W. of Cor. Land Broken. Soil sandy 5 th rate.
	West on a random line bet. Secs. 16 and 21.
40.00	Set temp. 1/4 Sec. Cor.
80.10	Intersect N. and S. line 18 Chs. N. of the Cor. of Secs. 16. 17. 20 and 21. Thence I run N. 89°52' E. on a true line bet. Secs. 16 and 21. Ascend.
2.00	Ridge. thence descend over broken ground in top hills..
40.05	Deposit charred stake 12 ins. in 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 ground. marked 1/4 S. on N. face.
62.00	Ridge, descend —
70.00	Ravine ascend gently.
80.10	The Cor. of Secs. 15. 16. 21. and 22. Land, broken Soil, sandy. 4 th rate. July 25, 1899

Subdivision of T. 21 N. R 33 W. Continued.

Chains	
	S. 0° 6' W. bet. Sec. 21 and 22.
	Over Cow Hills
2.00	Descend.
10.00	Bottom of descent. thence over rolling ground.
26.00	Ascend gradually along 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 fs. dist, and raised a mound of earth 3 1/2 fs. base 1 1/2 fs. high, over deposit.
	In S. pit drove an Oak stake 2 fs. long 2 ins. sq. 12 ins. in ground. marked
	1/4 S. on W. face
51.50	Top of ascent on E. face Bluffs — thence over broken ground.
61.00	Descend over broken ground.
80.00	Deposit charred stake 12 ins. in ground for Cor. of Secs. 21. 22. 27 and 28. dug pits 18X18X12 ins. in each Sec. 4 fs. dist, and raised a mound of earth 4 fs. base 2 fs. high, over deposit.
	In S.E. pit. drove an Oak stake 2 fs. long 2 ins. sq. 12 ins. in ground. marked
	T. 21 N. S. 22 on N.E.
	R. 33 W. S. 27 on S.E.
	S. 28 on S.W. and
	S. 21 on N.W faces. with 2 notches on S. and 3 notches on E. Edges.
	Land broken.
	Soil sandy 4th rate.

	S. 89° 52' W. on a random line bet. Sec. 21 and 28.
40.00	Set temp. 1/4 Sec. Cor.
80.20	Intersect N. and S. line 10 lks. S. of the Cor. of Secs. 20. 21. 28 and 29.
	Thence I run
	N. 89° 56' E on a true line bet. Secs. 21 and 28.
	Ascend along S. face over broken ridges and ravines.
11.00	Top of ascent, thence along S. face hills.
40.10	Deposit charred stake 12 ins. in ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. E. and W.

Subdivision of T. 21 N. R. 33 W. Continued.

Chains	
	of Cor. 4 fs. dist. and raised a mound of earth 3 1/2 fs. base 1 1/2 fs. high, over deposit.
42.00	Ridge. descend slightly along S. slope.
80.20	The Cor. of Secs. 21. 22. 27 and 28.
	Land broken
	Soil sandy. 4th rate.

	S. 0° 6' W. bet. Secs. 27 and 28.
	Descend S. slope
12.00	Bottom descent enter rolling valley.
20.30	Trail, bears E. and 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 fs. dist. and raised a mound of earth 3 1/2 ft. base 1 1/2 fs. high. over deposit.
	In S. pit drove an Oak stake 2 fs. long 2 ins. sq. 12 ins. in ground. marked
	1/4 S. on W. face
	Ascend gradually
72.50	Top of ascent. 75 ft. thence over rolling ground.
79.00	Descend gently
80.00	Set an Oak Post 3 fs. long 4 ins. sq. with a charred stake 24 ins. in ground for Cor. of Secs. 27. 28. 33 and 34, marked.
	T. 21 N. S. 27 on N. E.
	R. 33 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. 5 1/2 fs. dist. and raised a mound of earth. 4 fs. base 2 fs. high W. of Cor.
	Land rolling and broken
	Soil sandy. 3rd and 4th rate.

	S. 89° 56' W. on a random line bet. Secs. 28 and 33.
40.00	Set temp 1/4 Sec. Cor.
80.10	Intersect N. and S. line 9 lks. N. of the Cor. of

Subdivision of T. 21 N., R. 33 W. Continued.

Chains	
	Secs. 28. 29. 32. and 33.
	Thence I run
	N. 89° 52' E. on a true line bet. Secs. 28. and 33.
	Ascend slightly along SW. slope.
8.00	River — descend
14.00	Bottom descent thence ascend along S. face.
40.00	Deposit charred stake 12 ins. in ground for 1/4 Sec. Cor. dug pits 18X18X12 ins. E. and W. of Cor. 4 fs. dist. and raised a mound of earth 3 1/2 fs. base 1 1/2 fs. 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	Ridge course N. and S. descend gently
80.10	The Cor. of Secs. 27. 28. 33. and 34.
	Land broken
	Soil sandy 4 th rate.

Chains	
	S. 0° 6' W. on a true line bet Secs. 33. and 34.
	Descend gradually.
20.00	Bottom descent in rolling valley —
30.00	Ascend gently over 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 fs. dist. and raised a mound of earth 3 1/2 fs. base 1 1/2 fs. high. over deposit.
	In S. pit drove an Oak stake 2 fs. long. 2 ins. sq. 12 ins. in ground. marked
	1/4 S. on W. face
40.60	Trail. Course E. and W.
61.00	Top of ascent. on low ridge, descend —
76.00	Bottom descent. thence ascend gently over foot hills.
80.36	Intersect 5 th standard Parallel to a point N. 89° 50' W. 4.98 chs. dist from the Stand and Cor. of Secs. 33 and 34. where I deposit a charred stake 12 ins. in ground for closing Cor. Secs. 33 and 34. dug pits 24X18X12 ins. crosswise on each line 4 ft. dist. and raised a mound

Subdivision of T. 21 N. R. 33 W. Continued.

Chains	
	of earth 4 ft base 2 ft. high, over deposit.
	In N. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground. marked
	C. C. T. 21 N. R. 33 W. on N.
	S. 34 on E. and
	S. 33. on W. face with 3 grooves on E. and W. sides.
	Land rolling and broken.
	Soil sandy. 4 th rate.
	July 27, 1899

Chains	
	From the Cor. of Secs. 2. 3. 34. and 35. on N. bdry of Tp., I run Parallel to W. bdry of Tp.
	S. 0° 7' W. bet. Secs. 2. and 3.
	Over low hills ascending gently.
9.10	Old trail course E. and W.
29.00	Top of ascent on low bluff — 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 fs. dist. and raised a mound of earth 3 1/2 ft base 1 1/2 fs. high. over deposit.
	In S. pit drove an Oak stake 2 fs. long 2 ins. sq. 12 ins. in ground. marked.
	1/4 S. on N. face.
56.00	Ridge descend.
71.00	Descend river bluff abruptly.
76.00	Bottom descent.
76.40	Center of S. fork Dismal River 25 lks. wide flows N.E.
77.00	N. W. bank. river flows S.
77.75	SW. bank of river flows E. ascend gradually.
80.00	Deposit charred stake 12 ins. in 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 fs. 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. 21 N. S. 2 on N.E.
	R. 33 W. S. 11 on SE.
	S. 10 on SW. and
	S. 3 on N. W. face with 5 notches on S. and

Chains.	
	2 notches on E. edges.
	Land broken
	Soil sandy. 4th rate.
	West on a random line bet. Secs. 3 and 10
40.00	Set temp. 1/4 Sec. Cor.
81.10	Intersect N. and S. line at the Cor. of Secs. 3. 4. 9. and 10.
	Thence I run
	East on a true line bet. Secs. 3 and 10.
	Ascend gently along S. face range over broken ground.
23.00	Ridge — over ridges along S. face high range.
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 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
48.00	Descend S.E. face river bluff.
56.00	Descend abruptly.
63.00	Bottom descent.
63.40	Center Dismal River 20 lks. wide flows N.E.
69.00	Leave river Bottom ascend gently along N. slope
80.10	The Cor. of Secs. 2. 3. 10 and 11.
	Land broken and rolling.
	Soil sandy - 2nd and 4th rate.
	S. 0° 7' W. bet. Sec. 10 and 11.
	Ascend river bluff.
2.00	Top of ascent. 40 ft. above river. thence over rolling ground.
22.00	Ascend gradually Cow Hills.
35.00	Top of ascent on W. face ridge.
36.40	Trail course S.E. and N.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 3½ ft. base 1½ ft. high over deposit.

Chains.	
	In S. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground. marked
	1/4 S. on W. face.
	Ascend gradually.
62.30	Trail, course N.W. and S.E.
64.00	Line in Trail.
66.00	Leave Trail to E. of line.
71.00	Top of ascent. 100 ft. above ridge. thence over rolling ground.
80.00	Deposit charred stake 12 ins. in ground for Cor. of Secs. 10. 11. 14 and 15 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. 21 N. S. 11 on N.E.
	R. 33 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 - 2nd and 4th rate.
	West on a random line bet. Sec. 10 and 15.
40.00	Set temp 1/4 Sec. Cor.
80.20	Intersect N. and S. line 7 lks. S. of the Cor. of Secs. 9. 10. 15 and 16.
	Thence I run
	S. 89° 57' E. on a true line bet. Secs. 10 and 15.
	Along N. slope
7.00	Ascend over ridges and ravines.
28.50.	W. edge canon - Descend abrupt.
40.10	Point for 1/4 Cor. falls in bottom of canon.
	Ascend abrupt.
44.60	Top of ascend — deposit charred stake 12 ins. in ground for witness Cor. to 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.

Subdivision of T. 21 N. R. 33. W. Continued..

Chains	
	In E. pit drove an Oak Stake 2 ft long 2 ins. sq. 12 ins. in ground. marked W. C. 1/4 S. on N. face Cor. 20 lks. E. of canon.
	Ascend gradually.
48.70	Trail. course N. E. and SW.
57.70	Top of ascent on N. face hills.
67.00	Descend along E. slope over broken ground.
80.20	The Cor. of Secs. 10. 11. 14 and 15.
	Land broken
	Soil sandy. 4th rate.

S. 0° 7' W. bet Sec. 14 and 15.

3.00	Descend S. slope.
16.00	Bottom descent. thence over low hills.
19.00	Trail. course N. 10° E..
39.00	Low ridge.
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.
80.00	Deposit charred stake 12 ins. in 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 S.E. pit drove an Oak Stake 2 ft. long. 2 ins. sq. 12 ins in ground. marked. T. 21 N. S. 14 on N. E. R. 33 W. S. 23 on S.E. S. 22 on SW. and S. 15 on N. W. face. with 3 notches on S. and 2 notches on E. edges. Land rolling Soil sandy. 4th rate.

Subdivision of T. 21 N. R. 33 W. Continued..

Chains.	
	N. 89° 57' W.. on a random line bet. Secs. 15 and 22
40.00	Set. temp 1/4 Sec. Cor..
80.16	Intersect N. and S. line 33 lks. S. of the Cor. of Secs. 15. 16. 21. and 22. Thence I run S. 89° 43' E.. on a true line bet. Secs. 15. and 22.
	Ascend gently over rolling ground.
15.00	Descend over ridges
34.00	Sand bluff on ridge. over ridges along S. slope hills..
40.08.	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 S.E. pit drove an Oak Stake 2 ft. long 2 ins. sq. 12 ins. in ground. marked. 1/4 Sec. on N. face.
50.00	Low ridges. descend.
65.00	Bottom descent. thence over low hills.
79.80	Trail, bears. N.E. and SW.
80.16	The Cor. of Secs. 14. 15. 22. and 23.
	Land broken.
	Soil sandy 4th rate.
	July 26. 1899.

S. 0° 7' W. bet. Secs. 22 and 23.

0.50	Trail course SE. and N. W. Over low hills.
38.00	Begin gradual ascent. N. slope 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. 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	Top of ascent. 100 ft. above Sec. Cor. on E. face bluff.
62.00	Descend along S.E. face hills.
80.00	Deposit charred stake 12 ins. in ground for Cor. of Sec. 22. 23. 26 and 27. dug pits 18X18X12.

Chains

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. 21 N. S. 23 on N. E.
R. 33 W. S. 26 on S.E.
S. 27 on S.W. and
S. 22. on N. W. face with 2 notches on S. and E. edges—
Land broken.
Soil sandy 4th rate.

N. 89° 43' W. on a random line bet. Secs. 22 & 27.
40.00 Set temp 1/4 Sec. Cor.
80.10 Intersect N. and N. line 17 lks. S. of the Cor. of Secs. 21. 22. 27. and 28.
Thence I run
S. 89° 50' E. on a true line bet. Secs. 22. and 27.
Along S. slope hills over ridges.
14.00 Ascend along S.W. slope.
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 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.
49.00 Top of ascent on S. face ridge.
70.00 Ridge – Descend.
80.10 The Cor. of Secs. 22. 23. 26. and 27.
Land broken
Soil sandy 4th rate.

S. 0° 7' W. bet. Secs. 26 and 27.
Along E. face ridge descending gradually.
22.00 Bottom descent enter rolling valley.
27.00 Trail course E. and W.

Chains

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
Ascend gradually N. slope.
80.00 Deposit charred stake 12 ins. in ground for Cor. of Sec. 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 S.E. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground. marked
T. 21 N. S. 26 on N. E.
R. 33 W. S. 35 on S.E.
S. 34 on S.W. and
S. 27 on N. W. face with 1 notch on S. and 2 notches on E. Edges.
Land broken and rolling
Soil sandy 4th rate.

N. 89° 50' W. on a random line bet. Secs. 27. and 34.
40.00 Set temp 1/4 Sec. Cor.
80.00 Intersect N. and S. line 5 lks. S. of the Cor. of Secs. 27. 27. 33. and 34.
Thence I run
S. 89° 48' E. on a true line bet. Secs. 27. and 34.
Over broken ground on top range.
3.00 Descend E. slope.
21.00 Bottom of descent in ravine course N. and S.
Ascend gradually along W. slope.
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 3½ ft. base 1½ ft. high over deposit.
In E. pit drove an Oak stake 2 ft. long

Chains	
	2 ins. sq. 12. ins. in ground. marked 1/4 S. on N. face.
80.00	The Cor. of Secs. 26. 27. 34 and 35.
	Land rolling and broken.
	Soil sandy 4th rate.

S. 0°7' W. on a true line bet. Secs. 34 and 35.

	Ascend SW. face hills.
8.00	Top of ascent. thence along W. face
24.00	Descend S. slope 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 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.
59.30	Trail course E. and W. at bottom descent. ascend over foot hills.
65.00	Low ridge - thence over broken ground.
81.06	Intersect 5th Standard Parallel to a point N. 89°10' W. 4.52 chs. dist from the Standard Cor. of Secs. 34 and 35 when I deposit a charred stake 12 ins. in ground for closing Cor. of Secs. 2 1 and 35. dug pits 24X18X12 ins. crosswise on each line N. E. and W. of Cor. 11 ft. dist. and raised a mound of earth 4 ft. base. 2 ft. high. over deposit. In N. pit drove an Oak Stake 2 ft. long 2 ins. sq. 12 ins. in ground. marked C. C. T. 21 N. R. 33 W. on N. S. 35 on E. and S. 34. on W. face with 2 grooves on E. and 4 grooves on W. sides — Land broken Soil sandy. 4th rate.

July 29, 1899.

Chains	
	From the Cor. of Secs. 1, 2, 35. and 36. on N. bdry. of Tp. I run parallel to W. bdry. of Tp. S. 0°8' W. bet. Secs. 1. and 2.
	Ascend N. W. slope broken hills.
36.00	Top of ascent Low Bluff - thence over ridges.
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.
58.00	Descend along E. face ridge.
62.10	Trail, course N. W. and S. E.
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 S.E. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground. marked T. 21 N. S. 1 on N. E. R. 33 W. S. 12 on S. E. S. 11 on S. W. and S. 2. on N. W. face with 5 notches on S. and 1 notch on E. Edge. Land Broken. Soil sandy. 4th rate.

West on a random line bet. Secs. 2 and 11.

40.00	Set temp 1/4 Sec. Cor.
80.30	Intersect N. and S. line. 3 Chs. S. of the Cor. of Secs. 2. 3. 10. and 11.

Thence I run S. 89°59' E. on a true line bet. Secs. 2 and 11.

	Along river bottom.
9.00	Ascend over ridges and ravines along N. slope
28.50	W. edge canon descend abruptly.
32.50	Bottom descent.

Subdivision of T. 21 N. R. 33 W. Continued.

chains.

38.00 Ascend abruptly.

40.15 1/4 Cor. will face in canon, Set no corner.

41.00 E. edge canon.

41.30 Deposit charred stake 12 ins. in ground for Witness Cor. to 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 W.C. 1/4 S. on N. face.
Ascend gradually over low ridges.

49.00 Trail, course N.W. and S.E.

65.00 Top of ascent thence over low hills.

72.00 Descend S.E. slope.

80.30 The Cor. of Secs. 12. 11. and 12.
Land broken.
Soil sandy. 2nd and 4th rate.

For reasons set forth in notes of T. 22 N. R. 33 W. I run the latitudinal lines in East tier of Sections — East on a true line to intersect 4th Guide Meridian.
East on a true line bet. Secs. 1. and 12.
Along N. slope low hills.

1.40 Trail. course N.W. and S.E.

15.20 Trail N.W. and S.E.

22.70. Top of slight ascent, descend E. slope gently.

27.40 Trail. course N.W. and S.E.

36.00 Bottom of descent in N. Edge rolling valley.

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.

76.46 wire fence. bears S. 40° E. enter low hills

84.68 Intersect 4th Guide Meridian at a point

Subdivision of T. 21 N. R. 33 W. Continued.

chains

N. 7.42 chs. dist from the Cor. of Secs. 6 and 7 T. 21 N. R. 32 W. when I deposit a charred stake 12 ins. in ground for Cor. of Secs. 1. and 12. dug pits 24X24X12 ins. in each Sec. 4 ft. dist. and raised a mound of earth 4 ft. base 2 ft. high over deposit.
In SW. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground. marked T. 21 N. S. 12 on SW. and R. 33 W. S. 1 on N.W. face with 5 notches on S. and 1 notch on N. edge —
Land rolling —
Soil sandy 3rd rate.

S. 0° 8' W. bet. Secs. 11 and 12.
Over rolling ground.

1.80 Trail. course SW. and N.E. ascend gradually.

20.00 Ridge. course E. and W.

32.00 Top of ascent on W. face hills — descend.

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

65.70 Trail. course E. and W. at bottom descent.
Ascend over low hills. gently.

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 SE. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground. marked T. 21 N. S. 12 on N.E.
R. 33 W. S. 13 on SE.
S 14 on SW. and
S. 11 on N.W. faces with 4 notches on S. and

Subdivision of T. 21 N. R. 33 W. Continued..

Chains.

1 notch on E. edges.
Land rolling and broken
Soil sandy 4th rate.

N. 89°59' W. on a random line bet. Secs. 11 and 14
40.00 Set temp. 1/4 Sec. Cor.
80.10 Intersect N. and S. line W 15 lks. S. of the Cor. of Secs. 10. 11. 14 and 15.
Thence I run
S. 89°53' E. on a true line bet. Secs. 11 and 14.
Descend over broken ground.
1.50 Trail course N. and S.
11.50 Sand bluff - thence over broken ground & ridges.
39.80 Ridge. descend
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 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
56.00 Bottom descent in ravine, ascend
58.90 Trail course N. and S.
70.00 Ridge. descend
80.10 The Cor. of Secs. 11. 12. 13 and 14.
Land broken
Soil sandy. 4th rate.

East on a true line bet. secs. 12 and 13.
Along N. face hills over broken ground.
15.00 Descend along N. E. slope
32.00 Enter rolling valley land.
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

Subdivision of T. 21 N. R. 33 W.. Continued..

Chains..

1/4 S. on N. face
76.00 Trail, course N. E. and S.W.
84.82 Intersect 4th Guide Meridian at a point N. 7.30 chs. dist. from the Cor. of Secs. 7 and 18. T. 21 N. R. 32. W. when I deposit a charred stake 12 ins. in ground for Cor. of Secs. 12 and 13. dug pits 24X24X12 ins. in each Sec. 4 ft. dist. and raised a mound of earth 4 ft. base 2 ft. high over deposit.
S.W. pit drove an Oak Stake 2 ft. long 2 ins. sq. 12 ins. in ground. marked
T. 21 N. S. 13 on S.W. and
R. 33. W. S. 12 on N. W. faces with 4 notches on S. and 2 notch on E. Edges
Land rolling and broken.
Soil sandy. 2nd and 4th rate.

S. 0°8' W. bet. Sec. 13 and 14.
Ascend over low hills.
14.00 Low sand ridge. thence over broken ground
32.00 Descend
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
44.00 Bottom of descent. thence over low hills.
63.80 Trail. course S.E. and N. W. ascend
80.00 Set an Oak Post. 3 ft. long 2 ins sq. with a charred stake 24 ins. in ground. for Cor. of Secs. 13. 14. 23 and 24. marked
T. 21 N.. S. 13 on N. E.
R. 33 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. Edge. dug pits 18X18X12 ins.

Chains

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.

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N. 89° 53' W. on a random line bet. Secs. 14. and 23.
40.00 Set temp ¼ Sec. Cor.
80.14 Intersect N. and S. line 12 chs. N. of the Cor. of Secs. 14. 15. 22 and 23.
Thence I run
S. 89° 58' E. on a true line bet. Secs. 14. and 23.
Over low hills ascending gently.
17.00 Trail course N. and S.
37.00 Top of ascent on N. face low ridge.
40.07 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
60.00 Ridge descend
75.00 Bottom descent. thence ascend gently.
80.14 The Cor. of Secs. 13. 14. 23. and 24.
Land broken.
Soil sandy. 4th rate.

July 29. 1899.

East on a true line bet. Secs. 13 and 24.
Ascend along N. W. slope over rolling ground
38.00 Top of ascent. thence along N. face hills.
40.00 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

Chains

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
Descend gradually N. E. slope.
71.60 Bottom descent in ravine. at trail canon N. and S. ascend W. slope
12.00 Top of low range thence descend gently over broken ground on N. slope.
84.90 Intersect 4th Guide Meridian at a point. N. 7.16 chs. dist North from the Cor. of Secs. 18 and 19. T. 21 N. R. 33 W. when I deposit a charred stake 12 ins. in ground for Cor. of Secs. 13. and 24. 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 SW. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground marked T. 21 N. S. 24 on SW.
R. 33 W. S. 13 on N. W. face. with 3 notches on N. and S. edges.
Land rolling and broken
Soil, sandy 4th rate.

S. 0° 8' W. bet. Secs. 23 and 24.
Ascend gently
14.00 Top of ascent on low hills
35.00 Descend along S. E. slope over ridges.
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 an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground marked ¼ S. on W. face
72.40 Bottom descent at Trail course
N. 60° E. thence over rolling ground
80.00 Deposit charred stake 12 ins. in ground

Subdivision of T. 21 N. R. 33 W. Continued.

Chains	
	for Cor. of Secs. 23. 24. 25. and 26. dug pits 18X18X12 ins. in each Sec. 4 ft. dist. and raised a mound of earth. 4 ft. base 2 ft. high. over deposit.
	In S.E. pit. drove an Oak Stake 2 ft. long 2 ins. sq. 12 ins in ground. marked T. 21 N., S. 24 on N.E. R. 33 W. S. 25. on S.E. S. 26 on S.W. and S. 23 on N.W. face. with 2 notches on S. and 1 notch on E. edge.
	Land broken.
	Soil. sandy 4th rate.

	N. 89°58' W. on a random line bet. Secs. 23. and 26.
40.00	Set temp 1/4 Sec. Cor.
80.12	Intersect N. and S. line 7 lks. S. of the Cor. of Secs. 22. 23. 26. and 27.
	Thence I run
	S. 89° 55' E. on a true line bet. Secs. 23 and 26.
	Over low ridges along S. slope range.
38.00	Trail. course N. and S.
40.06	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.
60.60	Ridge. descend abrupt S.E. slope.
72.00	Bottom descent. over rolling ground.
73.00	Trail course N.E. and S.W.
80.12	The Cor. of Secs. 23. 24. 25. and 26.
	Land rolling and broken
	Soil, sandy 4th rate.

Subdivision of T. 21 N. R. 33 W. Continued.

Chains	
	East on a true line bet. Secs. 24. and 25.
	Ascend gently along N.W. slope
28.40	Trail course S.W. and N.E.
33.00	Top of ascent 4.0 ft. above Sec. Cor.
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 gradually along N.E. slope.
50.00	Bottom descent. thence ascend over rolling ground, gradually.
65.00	Top of ascent on low hills.
73.00	Descend N.E. slope.
84.82	Intersect 4th Guide Meridian at a point N. 7.03 chs. dist. from the Cor. of Secs. 19 and 30. T. 21 N. R. 33 W. where I deposit a charred stake 12 ins. in ground for Cor. of Secs. 24. and 25. dug pits 24X24X12 ins. in each Sec. 4 ft. dist. and raised a mound of earth 4 ft. base 2 ft. high, over deposit.
	In S.W. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground. marked T. 21 N. S. 25 on S.W. and R. 33 W. S. 24. on N.W. faces. with 2 notches on S. and 4 notches on N. edges.
	Land rolling and broken
	Soil, sandy 4th rate.

	S. 0°8' W. bet. Secs. 25. and 26.
	Over rolling ground.
10.00	Trail. course N.E. and S.W.
35.00	Ascend gently over foot hills.
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.

Subdivision of T. 21 N. R. 33 W. Continued..

Chains

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
Ascend SW. slope hills gradually.
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 SE. pit, drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground. marked
T. 21 N. S. 25 on NE.
R. 33 W. S. 36 on SE.
S. 35 on SW. and
S. 26 on NW. face with 1 notch on S. and
E. edges.
Land rolling.
Soil, sandy 3rd and 4th rate.

N. 89° 55' W. on a random line bet. Secs. 26. and 35.
40.00 Set temp 1/4 Sec. Cor.
80.00 Intersect N. and S. line 5 lks. S. of the Cor. of Secs. 26. 27. 34. and 35.
Thence I run
S. 87° 53' E. on a true line bet Secs. 26. and 35.
Along N. slope hills descending gently.
40.00 Deposit charred stake 12 ins. in 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 ground. marked
1/4 S. on N. face
60.0
72.0
73.0
80.1
65.00 Trail, course N. and S. at Bottom descent.
70.00 Ascend along S. W. slope
80.00 The Cor. of Secs. 25. 26. 35. and 36.
Land broken.
Soil, sandy 4th rate.

Subdivision of T. 21 N. R. 33 W. Continued..

Chains..

East on a true line bet. Secs. 25. and 36.
Ascend gradually along N.W. slope hills.
29.00 Top of ascent on N. slope high range of hills. thence over ridges.
40.00 Deposit charred stake 12 ins. in 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 ground. marked
1/4 S. on N. face.
42.00 Descend slightly.
65.00 Descend abruptly along N. E. slope.
84.94 Intersect 4th Guide Meridian at a point N. 6. 78. chs. dist. from Cor. of Secs. 30. and 31. T. 21 N. R. 32. W. when I deposit a charred stake 12 ins. in ground for Cor. of Secs. 25 and 36. 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 SW. drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground. marked
T. 21 N. S. 36 on SW. and
R. 33 W. S. 25 on N.W. face with 1 notch on S. and 5 notches on N. edge.
Land broken.
Soil sandy. 4th rate.

S. 0° 8' W. on a true line bet. Secs. 25. and 36.
Ascend along N.W. slope.
13.00 Top of ascent, 50 ft. above cor. thence along W. face –
19.00 Descend along S. face.
34.00 Land bluff, descend abruptly.
40.00 Deposit charred stake 12 ins. in ground for 1/4 Sec. Cor. dug pits 18 x 18 x 12 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

Subdivision of T. 21 N. R. 33 W. Concluded.

Chains.	
	ins. sq. 12 ins. in ground. marked ¼ S. on N. face.
42.50	Trail. course N.W. and S.E. at bottom descent. thence over rolling ground.
53.00	Trail. course E. and W. ascend N. slope, gradually.
81.42.	Intersect 5th standard parallel at a point N. 89°26' W. 4.62 chs. dist. from Standard corner of Secs. 35 and 36. when I deposit charred stake 12 ins. in ground for closing Cor. of Secs. 35 and 36. dug pits 24X18X12 ins. crosswise on each line N. E. and W. of Cor. 4 ft. dist. and raised a mound of earth. 4 ft. base 2 ft. high. over deposit.
	In N. pit. drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in ground. marked C.C. T. 21 N. R. 33 W. on N. S. 36 on E. and S. 35 on W. faces. with 1 groove on E. and 5 grooves on W. side.
	Land rolling
	Soil. sandy 4th rate.

July 31. 1899.

General Discription

This Tp. is very broken and rough. Consisting of irregular range of hills with narrow basin like valleys — The land along the S. fork of Dismal River is very broken the banks or slope being very abrupt — except in Sec 2. where there is a narrow river bottom where small gardening can be done there is no land in this Tp. which can be called agricultural land — but is very good grasing land.

The S. fork Dismal river is a very swift running stream supplied entirely by springs — Spring creek in Sec. 10 is about ½ mile in length and supplied

Subdivision of T. 21 N. R. 33 W.

from springs — where it empties into the Dismal it is a stream of 10 lks. wide and 6 inches deep —

There is scattering Ceader and plum thickets along Dismal and in canons —

Willard W. Alt.
U. S. Surveyer.

July 31. 1899.

I do not survey any claims in this Tp. as no representatives or owners could be found after delligent inquiry.

Willard W. Alt.
U. S. Surveyer.

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

6—151

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 GENER~~AL,

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

The foregoing field notes of the survey of Subdivision Lines of Township No. 21 North, Range 33 West.

executed by Willard W. Alt U.S. Surveyor under his contract No. —, dated April 17, 1899, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Bruce Hermann
~~United States Surveyor General.~~
Commissioner and Ex-officio Surveyor General for Nebraska

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

.....
United States Surveyor General.

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W.W. Alt Subdivision of T 21 N - R 33 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.