General Land Office • Original Field Notes

Book Number

774

W.W. Alt - East & North boundaries T 23 N, R 32 W

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

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

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"Duplicate"

eived with letter from W. W. Alt, U.S. Surveyor, dated February 1, 1897.
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FIELD NOTES

OF THE SURVEY OF

The
East and North Boundary
of
Township No. 23 North.
of
Range No. 32 West.

Of the Sixth Principal Meridian,

On the State of Nebraska.

AS SURVEYED BY

Willard W. Alt, United States Deputy Surveyor,

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

Survey commenced July 22, 1896

Survey completed July 22, 1896

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Names and Duties of Assistants.

Sidney Blout, Chainman

Frank H Dratt, Chainman.

Fred D. Stratton, Flagman.

Harry R. Knapp. Monumenter.

Alex Niemoth, Monumenter

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E. and N. Bdy.

Township 23 N., Range 32 W.

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Preliminary Oaths of Assistants.

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

.....

....., *Chainman.*

....., *Chainman.*

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

SEAL

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

.....

....., *Moundman.*

....., *Moundman.*

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

SEAL

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

.....

....., *Axman.*

....., *Axman.*

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

SEAL

I, ..., do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of .....

....., *Flagman.*

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

SEAL

Chains.

July 22: Polaris observation impossible, as the sky was cloudy all night.
I prolong the range line from T. 22 N., which I mark by tack in cor. post. and in stake driven 5 lks. S. of cor.

From the Sp. cor. I run
North, bet. secs. 31 and 36.
Over rolling ground.
2.50 Ascend along S.E. slope.
6.00 Top of ascent, 40 ft.: thence, ascend gently over rolling ground.
40.00 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.: dig pits 18x18x12 ins. N. and S. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base, 1½ ft. high, over deposit.
In S. pit drive an oak stake 2 ft. long, 2 ins. sq. 12 ins. in the ground, marked ¼ S. on W. face.
42.00 Top of ascent, 50 ft.; on low bluff.
45.00 Begin descent, over rolling ground.
70.50 Enter abandoned plowed field; cross about 1 chain.
75.00 Bottom of descent; enter rolling land.
80.00 Deposit a charred stake 12 ins. in the ground for cor. of secs. 25, 30, 31, and 36; dig pits 18x18x12 ins. in each sec. 4 ft. dist. and raise a mound of earth 4 ft. base 2 ft. high, over deposit.
In S.E. pit drive an oak stake 2 ft. long, 2 ins. sq. 12 ins. in the ground, marked
T 23 N S 30. on NE.
R 31 W S 31. on SE.
S 36. on SW. and
R 32 W S 25. on NW. faces, with 1 notch on S. and 5 on N. edges.
Land: broken.
Soil: sandy: 3rd rate.

North, bet. secs. 25 and 30.
Over rolling land.

Chains.

19.80 Leave plowed field: begin gradual ascent along S. slope.

39.00 Top of ascent: thence over rolling ground

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

43.00 Begin descent. along N. slope.

67.00 Bottom of descent: enter abandoned plowed field.

75.60 Leave plowed field: thence over rolling land: along foot of range.

80.00 Set an oak post 3 ft. long. 4 ins. sq. with a charred stake 24 ins. in the ground. for cor. of secs. 19. 24. 25. and 30: Marked
T 23 N S 19. on NE.
R 31 W S 30. on SE.
S 25. on SW. and
R 32 W S 24. on NW. faces. with 2 notches on S. and 4 on N. edges; dig pits 18x18x12 ins. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base. 2 ft. high. W. of cor.
Land: rolling.
Soil. sandy: 3rd rate.

North. bet. secs. 19 and 24.
Over rolling ground. at foot of range.

14.00 Enter rolling valley.

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

52.00 Begin ascent along SW. slope.

Chains.

76.00 Top of ascent. 75 ft.: thence along W. slope. over ridges.

80.00 Deposit a charred stake 12 ins. in the ground for cor. of secs. 13. 18. 19. and 24: dig pits 18x18x12 ins. in each sec. 4 ft. dist. and raise a mound of earth. 4 ft. base. 2 ft. high. over deposit.
In S.E. pit. drive an oak stake 2 ft. long. 2 ins. sq. 12 ins. in the ground. marked
T 23 N S 18. on NE.
R 31 W S 19. on SE.
S 24. on SW. and
R 32 W S 13. on NW. faces. with 3 notches on N. and S. edges
Land: broken.
Soil. sandy: 3rd rate.

North. bet. secs. 13 and 18.
Along W. slope, over ridges and ravines.

13.00 Begin descent, along N. slope.

30.00 Enter rolling valley.

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

76.20 Trail: bears N. 40° W.

80.00 Set an oak post 3 ft. long 4 ins. sq. with a charred stake 24 ins. in the ground. for cor. of secs. 7. 12. 13. and 18: marked
T 23 N S 7. on NE.
R 31 W S 18. on SE.
S 13. on SW. and
R 32 W S 12. on NW. faces. with 4 notches on S. and 2 on N. edges: dig pits 18x18x12 ins. in each sec. 5½ ft. dist. and raise a

Chains.

mound of earth 4 ft. base 2 ft. high. W. of cor.
Land: rolling.
Soil. sandy: 3rd rate.

North. bet. secs. 7 and 12.
Ascend along SW. slope.
12.00 Top of ascent. 50 ft.: on W. face.
20.00 Descend gently over rolling ground.
40.00 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.: dig pits 18x18x12 ins. N. and S. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base. 1½ ft. high. over deposit.
In S. pit drive an oak stake 2 ft. long. 2 ins. sq. 12 ins. in the ground. marked
¼ S. on W. face.
46.50 Bottom of descent. bet. low ranges: ascend along S. slope.
77.00 Top of ascent: descend gently along W. face.
80.00 Deposit a charred stake 12 ins. in the ground for cor. of secs. 1. 6. 7. and 12: dig pits 18x18x12 ins. in each sec. 4 ft. dist. and raise a mound of earth. 4 ft. base. 2 ft. high. over deposit.
In S.E. pit. drive an oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground. marked
T 23 N S 6. on NE.
R 31 W S 7. on SE.
S 12. on SW. and
R 32 W S 1. on NW. faces. with 1 notch on N. and 5 notches on S. edges.
Land: rolling.
Soil. sandy: 3rd rate.

North. bet. secs. 1 and 6.
Descend over ridges. along NW. slope.
17.00 Bottom of descent: thence, over rolling ground
40.00 Deposit a charred stake 12 ins. in the ground

Chains.

for ¼ sec. cor.: dig pits 18x18x12 ins. N. and S. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base, 1½ ft. high. over deposit.
In S. pit. drive an oak stake 2 ft. long. 2 ins. sq. 12 ins. in the ground. marked
¼ S. on W. face.
Ascend over rolling ground.
53.00 Top of ascent. on low bluff: descend over rolling ground, along N. slope.
80.00 Set an oak post 3 ft. long, 4 ins. sq. with a charred stake 24 ins. in the ground. for cor. of Tps. 23 and 24 N., Rs 31 and 32 W. marked
T 24 N S 31. on NE.
R 31 W S 6. on SE.
T 23 N S 1. on SW. and
R 32 W S 36. on NW. faces. with 6 notches on each edge: dig pits 24x24x12 ins. on each line. E., W., and N., 4 ft. and S. of post 8 ft. dist. and raise a mound of earth 5 ft. base, 2½ ft. high. S. of cor.
Land: rolling. and broken.
Soil. sandy: 3rd rate.
No timber: Sand. and bunch grass.
July 22, 1896.

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North boundary T. 23 N. R. 32 W.

Chains	
	At the cor. of Tps. 23 and 24 N., Rs. 31 and 32 W., I turn an angle of 90° to the W., from the range line, and run
	Through Sec. 1.
	West, on the tangent.
40.00	N. 0¼ lk. from the tangent, set temp. ¼ sec. cor.
80.00	N. 1 " " " " " " cor. of secs. 1. 2. 35. and 36.
	Through Sec. 2.
	S. 89°59' W. on the tangent.
40.00	N. 2½ lks. from the tangent, set temp. ¼ sec. cor.
80.00	N. 3½ " " " " " " cor. of secs. 2. 3. 34. and 35.
	Through Sec. 3.
	S. 89°58' W. on the tangent.
40.00	N. 6 lks. from the tangent, set temp. ¼ sec. cor.
80.00	N. 8 " " " " " " cor. of secs. 3. 4. 33. and 34.
	Through Sec. 4.
	S. 89°58' W. on the tangent.
40.00	N. 11 lks. from the tangent, set temp. ¼ sec. cor.
80.00	N. 14 " " " " " " cor. of secs. 4. 5. 32. and 33.
	Through Sec. 5.
	S. 89°57' W. on the tangent.
40.00	N. 18¼ lks. from the tangent, set temp. ¼ sec. cor.
80.00	N. 23 " " " " " " cor. of secs. 5. 6. 31. and 32.

Chains.

Through Sec. 6.

S. 89°56' W. on the tangent.

40.00 N. 27¼ lks. from the tangent, set temp. ¼ sec. cor.

75.38 N. 33 " " " " " " cor. of Tps.: which falls 2.88 chs. S. of the cor. of Tps. 23 and 24 N., R. 32 W.

Therefore the true course is S. 89° 40' E., and the permanent cors. will be set N. from the random line, by offsets decreasing 24 lks. per half mile.

—Boundaries of T. 23 N., R. 32 W.—

Latitudes, Departures, and closing errors.

Lines designated	True Bearing	Distance	Latitudes N.	Latitudes S.	Departures E.	Departures W.
		chs.	chs.	chs.	chs.	chs.
S. Bdy.	N. 89°41' W.	476.36	2.70			476.36
4th Guide	North	480.00	480.00			
N. Bdy.	S. 89°46' E.	475.38		2.88	475.38	
E. Bdy.	South	480.00		480.00		
Convergency					.66	
Totals			482.70	482.88	476.04	476.36
				482.70		476.04
Error in Lat.				18 lks.		
Error in Dep.						32 lks.

Thence I run

S. 89°40' E. on true line bet. secs. 6. and 31.

Ascend over rolling ground, along S. W. face.

9.00 Top of ascent; thence along S. face of range over broken ground, sand bluffs, and ridges.

35.38 Deposit a charred stake 12 ins. in the ground, for ¼ sec. cor.: dig pits 18x18x12 ins. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base, 1½ ft. high, over deposit.

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

¼ S., on N. face

45.00 Descend over broken ground, along S. E. slope.

Chains.

75.38 Deposit a charred stake 12 ins. in the ground for cor. of secs. 5. 6. 31. and 32: dig pits 18x18x12 ins. in each sec. 4 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high, over deposit.

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

T 24 N. S 32, on NE.

R 32 W S 5, on SE.

T 23 N S 6. on SW. and

S 31. on NW. faces, with 1 notch on W. and 5 notches on E. edges.

Lamb; broken.

Soil, sandy; 3rd rate.

S. 89°40' E. on true line bet. secs. 5 and 32.

Descend along S. E. slope, over broken ground.

12.50 Trail; bears N. & S.; at bottom of descent.

Thence, over broken foot hills.

40.00 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.; dig pits 18x18x12 ins. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base, 1½ ft. high, over deposit.

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

¼ S., on N. face.

43.50 Ascend over rolling ground.

53.50 Top of ascent, 75 ft.; thence over rolling ground, along top of range of sand hills.

80.00 Set an oak post, 3 ft. long, 4 ins. sq. with a charred stake 24 ins. in the ground, for cor. of secs. 4. 5. 32. and 33: marked

T 24 N S 33. on NE.

R 32 W S 4. on SE.

T 23 N S 5, on SW. and

S 32. on NW. faces, with 2 notches on W. and 4 on E. edges: dig pits 18x18x12 ins. in each sec. 5½ ft. dist. and raise

Chains.

a mound of earth 4 ft. base, 2 ft. high. W. of cor.
Land: broken.
Soil, sandy: 3rd rate.

S. 89°40' E. on true line bet. secs. 4 and 33.
Over rolling ground, along top of range.

27.00 Begin gradual descent, along NE slope.

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

65.95 Trail: bears N. and S.; ascend gently, over rolling ground.

80.00 Deposit a charred stake 12 ins. in the ground for cor. of secs. 3. 4. 33. and 34: dig pits 18 x 18x12 ins. in each sec. 4 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high, over deposit.
In S.E. pit drive an oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground. marked
T 24 N S 34. on NE.
R 32 W S 3. on SE.
T 23 N S 4. on SW. and
S 33. on NW. faces, with 3 notches on E. and W. edges.
Land: rolling.
Soil. sandy; 3rd rate.

S. 89°40' E. on true line bet. secs. 3. and 34.
ascend gently, along N. slope.

18.00 Top of ascent. 75 ft.; thence, over rolling ground, along top of range.

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

Chains.

of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base, 1½ ft. high. over deposit.
In E. pit drive an oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground. marked
¼ S., on N. face.

44.00 Begin abrupt descent, along E. slope.

60.25 Trail: bears N. & S. at bottom of descent; ascend over rolling ground.

80.00 Set an oak post 3 ft. long 4 ins. sq. with a charred stake. 24 ins. in the ground. for cor. of secs. 2. 3. 34. and 35. marked
T 24 N S 35. on NE.
R 32 W S 2. on SE.
T 23 N S 3. on SW. and
S 34. on NW. faces. with 2 notches on E. and 4 on W. edges.; dig pits 18x18x12 ins. in each sec. 3½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high. W. of cor.
Land: broken.
Soil, sandy: 3rd rate.

S. 89°40' E. on true line bet. secs. 2. and 35.
Ascend gradually along W. slope.

14.00 Top of ascent: thence along NE. face of range.

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

50.00 Begin abrupt descent, along E. slope.

70.20 Trail: bears N. 30° W. at bottom of descent. ascend gently. along NW. slope.

80.00 Deposit a charred stake 12 ins. in the ground for cor. of secs. 1. 2. 35. and 36: dig pits 18x18 x12 ins. in each sec. 4 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high. over deposit.

North bdy. T. 23 N., R. 32 W.

Chains.

In S.E. pit, drive an oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked T24NS36, on NE.
R32WS1, on SE.
T23NS2, on SW. and
S35, on NW. faces, with 1 notch on E and 5 notches on W. edges.
Land; Broken.
Soil, sandy; 3rd rate.

S. 89°40' E. on true line bet. secs. 1 and 36.
Ascend gently along NW. slope.
15.00 Top of ascent; thence along N. slope of low hills.
40.00 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.; dig pits 18X18X12 ins. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high, over deposit.
In E. pit, drive an oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked ¼S., on N. face.
50.00 Begin gentle descent, along NE. slope, over rolling ground.
80.00 The cor. of Tps. 23 and 24 N., Rs. 31 and 32 W.
Land; broken and rolling.
Soil, sandy; 3rd rate.
No timber. Sand grass and Bunch grass.

July 22, 1896.

East and North bdy. T. 22 N., R. 32 W.

General Description.

The East boundary runs over low sand hills and rolling valley or basin lands. — The North boundary runs along the top and the North slope of a range of hills.
No timber of any description on any part of the line — Soil very sandy and unfit for cultivation — Vegetation consists of sand grass.

Willard W. Alt
U. S. Surveyor.

July 22, 1896.

Final Oaths of Deputy Surveyor and his Assistants.

LIST OF NAMES.

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

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

.....

showing the respective capacities in which they acted:

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

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

.....

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

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

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

SEAL

.....

.....

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Final Oath of United States Deputy Surveyor.

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

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

.....
United States Deputy Surveyor.

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

SEAL

.....

.....

APPROVAL.

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

General Land Office, October 22, 1897

The foregoing field notes of the survey of The East and North Boundary of Township No. 23 North, Range No. 32 West of the 6th Principal Meridian, State of Nebraska, as

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

Binger Hermann,
Commissioner and Ex-officio United States Surveyor General.

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

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

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General Land Office • Original Field Notes

Book Number

774

W.W. Alt - East & North boundaries T 23 N, R 32 W

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