General Land Office • Original Field Notes

Book Number

774

W.W. Alt - East & North boundaries T 22 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.

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

OF THE SURVEY OF

The
East and North Boundary
of
Township No. 22 North.
of
Range No. 32 West.

Of the Sixth Principal Meridian,

In 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 21, 1896.

Survey completed July 21, 1896.

6—151

Names and Duties of Assistants.

Sidney Blout, Chainman
Frank H. Drach, Chainman
Fred D. Stratton, Flagman
Harry R. Knapp, Monumenter
Albert Niemoth, Monumenter

INDEX DIAGRAM.

E. and H. Bdy

Township 22 N, Range 32 W

8	9	10	10	11	12	
6	5	4	3	2	1	1
7	8	9	10	11	12	4
18	17	16	15	14	13	3
19	20	21	22	23	24	2
30	29	28	27	26	25	2
31	32	33	34	35	36	1

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 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

East boundary, T. 22 N., R. 32 W.

Chains.

July 21: Polaris observations impossible, as the sky was cloudy all night.
I prolong the range line brought from the 5th Standard: marking the line by a tack in Tp. cor. post, and in a stake driven 5.42 chs. S. of cor.
The magnetic bearing of this meridian at 8h am. is N. 12°50' W.: which angle reduced by the table on page 100 of the manual, gives the mean mag. dec. 12°44' E.

From the Tp. cor. I run North, bet. secs. 31 and 36.
Ascend along S.E. slope of bluff.
3.75 Top of ascent, 200 ft.: on E. face of sand-bluff. descend over broken ground.
40.00 Deposit a charred stake 12 ins. in the ground for ¼ Sec. cor.: dig pits 18x18x12 ins. N. and S. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base, 1½ ft. high, over deposit.
In S. pit drive an oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked
¼ S. on W. face.
45.00 Trail: bears N. 70° E., at bottom of descent.
53.00 Begin ascent, along S. slope.
71.00 Top of ascent, 50 ft.: thence, over broken ground.
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
T22N S30. on NE.
R31W S31. on SE.
S36. on SW. and
R32W S25. on NW. faces, with 1 notch on S. and 5 notches on N. edges.
Land: broken.
Soil: sandy: 3rd rate.

Chains.

North, bet. secs. 25 and 30.
Over rolling ground, on top of bluff.
12.00 Begin descent, along NW. slope.
16.58 Trail; bears N. 80° W.
17.00 Begin abrupt descent, along river bluff.
20.00 Bottom of descent; thence over river bottom.
32.25 Right bank Dismal river, 55 lks. wide.
Course East.
32.80 Ascend abruptly, along S. slope of bluff.
38.00 Top of abrupt ascent, 150 ft.; ascend gradually 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.
64.00 Top of ascent; thence descend gently, 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. 19, 24, 25, and 30, marked
T22N S19. on NE.
R31W S30. on SE.
S25. on SW. and
R32W S24. 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: broken.
Soil, sandy; 3rd rate.

North, bet. secs. 19 and 24.
Over rolling foot hills.
19.00 East point of low range; descend.
23.00 Basin, or depression; thence over low hills.
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.
Begin gentle ascent, along S.E. slope.
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
T22N S18. on NE.
R31W S19. on SE.
S24. on SW. and
R32W S13. on NW. faces, with 3 notches on N. and S. edges.
Land; broken.
Soil, sandy; 3rd rate.

North, bet. secs. 13 and 18.
Ascend gently, along E. slope of bluff.
18.00 Top of ascent, on E. point of range, 50 ft.; thence descend.
20.00 Bottom of descent; thence, over low rolling foot hills.
40.00 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.: dig pits 18x18x12 ins. N. & S. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high, over deposit.
In S. pit, drive an oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked
¼ S. on W. face.
50.00 Enter level land.
57.80 Trail; bears N. 60° W.
76.30 SW. cor. plowed field.
80.00 Set an oak post 3 ft. long, 4 ins. sq. with a

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

Chains.

Charred stake 24 ins. in the ground, for cor. of secs. 7. 12. 13. and 18. marked
T22NS 7. on NE.
R31WS18. on SE.
S13. on SW. and
R32WS12. on NW. faces, with 4 notches on S. and 2 on N. edges.
Land: broken.
Soil. sandy: 3rd rate.

North, bet. secs. 7 and 12.
Over level land.
17.00 NW. cor. plowed field: begin gradual ascent
35.00 Top of ascent. 50 ft.: 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.
60.00 Bottom of descent; ascend gently, over rolling ground.
70.00 Begin gradual ascent
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
T22NS6. on NE.
R31WS7. on SE.
S12. on SW. and
R32WS1. on NW. faces, with 5 notches on S. and 1 notch on N. edges.
Land: level and broken.
Soil. sandy; 3rd rate.

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

Chains.

North, bet. secs. 1 and 6.
Ascend along SW. slope.
12.00 Top of ascent: thence, along W. slope, over rolling ground.
29.00 Descend.
34.00 Depression.
36.50 Ascend.
40.00 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor.: dig pits 18x18x12 ins. N. and S. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base, 1½ ft. high. over deposit.
In S. pit. drive an oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground. marked
¼ S., on W. face.
41.00 Top of ascent, on low ridge: thence descend gradually, over rolling ground sloping to NW.
80.00 Set an oak post 3 ft. long 4 ins. sq. with a charred stake 24 ins. in the ground, for cor. of Ts. 22 and 23 N., Rs. 31 and 32 W. marked
T23NS 31. on NE.
R31WS 6. on SE.
T22NS 1. on SW. and
R32WS36. 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.
Soil. sandy: 3rd rate.

General Description

This line runs over broken and rolling sand hills. No timber, except on Dismal river. where are thickets of plum. and ash.
Bunch. and buffalo grasses.

William W. Alt
U. S. Surveyor.

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

Chains.

At the cor. of Tps. 22 and 23 N., Rs. 31 and 32 W. I turn an angle of 90° to the west 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 lk. " " " " " 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. 8¼ " " " " " " 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.

76.36 N. 33 " " " " " : cor. of Sp. which falls 270 lks. S. of the cor. of Tps. 22 and 23 N., Rs. 32 and 33 W.: which post I insert, and mark

T 23 N R 32 W S 31. on NE. and

T 22 N R 32 W S 6, on SE. faces, with 6 notches on E. and S. edges.

Therefore the true course is S. 89°41' E. and the permanent cors. will be set north from the random line by offsets decreasing 22½ lks. per half mile.

—Boundaries of T. 22 N., R. 32 W.—

Latitudes, Departures, and closing errors.

Line designatd.	True Bearing.	Distance	Latitudes N	Latitudes S	Departures E	Departures W.
		chs.	chs.	chs.	chs.	chs.
S. Bdy.	N. 89°43' W.	477.86	2.34			477.86
4th Guide	North.	480.00	480.00			
N. Bdy.	S. 89°41' E.	476.36		2.70	476.36	
E. Bdy.	South	480.00		480.00		
Convergency					.66	
Totals			482.34	482.70	477.02	477.86
				482.34		
Error in Lat.				36 lks.		477.02
Error in Dep.						84 lks.

Thence I run

S. 89°41' E. on true line bet. secs. 6 and 31.

Over low rolling foot hills.

36.36 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.

Chains.

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

61.00 Begin gentle descent, over rolling ground sloping to N. E.

76.36 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 23 N S 32, on NE.

R 32 W S 5, on SE.

T 22 N S 6, on SW. and

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

Land: rolling.

Soil. sandy; 3rd rate.

S. 89°41' E. on true line bet. secs. 5 and 32.

Over low rolling foot hills.

22.30 Trail: Dismal river to Mullen: bears N. & S.

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

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

¼ S., on N. face.

80.00 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 23 N S 33. on NE.

R 32 W S 4. on SE.

T 22 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 a mound of earth 4 ft. base. 2 ft. high. W. of cor.

Chains.

Land; rolling.
Soil, sandy; 3rd rate.

S. 89°41' E. on true line bet. secs. 4 and 33.
Over low rolling foot hills.

24.00 Begin gentle descent along NW. slope of low hills.

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

50.00 Top of ascent, 40 ft.: thence along S. face of low hills.

58.00 Begin descent along S.E. slope.

71.00 Bottom of descent: thence over level land.

80.00 Deposit a charred stake 12 ins. in the ground for cor. of secs. 3. 4. 33. and 34; 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 34, on NE.
R 32 W S 3, on SE.
T 22 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°41' E. on true line bet. secs. 3 and 34.
Over level land.

30.00 Begin gentle ascent, along W. 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

Chains.

3½ ft. base, 1½ ft. high, over deposit.
In E. pit drive an oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked
¼ S., on N. face.

42.00 Top of ascent, 50 ft.; descend gradually.

66.75 Bottom of descent; Trail to Mullen, from Signal river, bears N. 80° E.: thence over rolling valley land.

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 23 N S 35, on NE.
R 32 W S 2, on SE.
T 22 N S 3, on SW. and
S 34, on NW. faces, with 4 notches on W. and 2 on E. edges: dig pits 18x18x12 ins. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high, W. of cor.
Land; rolling.
Soil, sandy; 3rd rate.

S. 89°41' E. on true line bet. secs. 2 and 35.
Over rolling valley land.

18.00 Begin gentle ascent.

32.00 Top of ascent, 50 ft.: thence over rolling ground on top 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
¼ S., on N. face.

43.00 Begin gentle descent.

70.00 Bottom of descent: thence over nearly level land.

80.00 Deposit a charred stake 12 ins. in the ground for cor. of secs. 1. 2. 35. and 36: dig pits 18x18

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

Chains.

x12 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
T23N S36. on N.E.
R32W S1. on S.E.
T22N S2. on S.W. and
S35. on N.W. faces. with 5 notches on W. and 1 notch on E. edges.
Land: rolling.
Soil. sandy: 3rd rate.

S. 89°41' E. on true line bet. secs. 1 and 36.
Over level ground.

8.60 Trail: from Frank Crum's to Mullen: bears N.W. and S.E.: begin gentle ascent, along S.W. slope.

17.00 Top of ascent. 40 ft.: thence, along S. face 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
¼ S., on N. face.

50.00 Begin gentle descent, along S.E. slope.

74.00 Bottom of descent: thence over rolling ground

80.00 The cor. of Tps. 22 and 23 N., Rs. 31 and 32 W.
Land: rolling.
Soil. sandy: 3rd rate.

July 21, 1896.

North bdy. of T. 22 N., R. 32 W.

General Description.

This line runs over rolling ground and along gentle slope of low hills its entire length. No timber on line vegetation consisting of sand and buffalo grass. Soil sandy and unfit for cultivation

Willard W. Alt
U.S. Surveyor

July 21, 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

6—151

14/104 16/106

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. 22 North, Range No. 32 West, of the 6th Principal Meridian, State of Nebraska, as

executed by Willard W. Alf, 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.

6—151

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Book Number

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W.W. Alt - East & North boundaries T 22 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.

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