General Land Office • Original Field Notes

Book Number

774

W.W. Alt - North boundary T 22 N, R 31 W

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

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

"Duplicate"

Ex Ok 7-3-1893
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eived with letter from W. W. Alt, U.S. Surveyor dated February 1, 1897
eived by letter E. Feb 25th 1898.

4—679.

FIELD NOTES

OF THE SURVEY OF

North Boundary

of

Township No. 22 N., Range 31 W.

Of the 6th Principal Meridian,

State of Nebraska

AS SURVEYED BY

Willard W. Alt, United States Deputy Surveyor,

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

Survey commenced August 18, 1896

Survey completed August 18, 1896

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Names and Duties of Assistants.

Sidney Blout, chainman.
Frank H. Drutt, chainman.
Fred D. Stratton, flagman.
Harry R. Knapp, monuman.
Albert Niemoth, monuman.

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INDEX DIAGRAM.

N. Bdy

Township 22 N., Range 31 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

North bdy. T. 22 N., R. 31 W.

Chains	
	At the cor. of Tps. 22 and 23 N. Rs. 31 and 32 W., I turn an angle of 90° to the East from the range line, and run
	Through Sec. 6.
	East on the tangent.
40.00	N ¼ lk. from the tangent, set stump ¼ Sec. Cor.
80.00	N 1 " " " " " Cor. of
	Secs. 5, 6, 31 and 32.
	Through Sec. 5.
	S. 89° 59' E., on the tangent
40.00	N 2½ lks. from the tangent, set stump ¼ Sec. Cor.
80.00	N 3½ " " " " " Cor. of
	Secs. 4, 5, 32 and 33.
	Through Sec. 4
	S. 89° 58' E. on the tangent.
40.00	N. 6 lks. from the tangent, set stump ¼ Sec. Cor.
80.00	N. 8¼ " " " " " Cor. of
	Secs. 3, 4, 33 and 34
	Through Sec. 3.
	S. 89° 58' E. on the tangent.
40.00	N. 11 lks. from the tangent, set stump ¼ Sec. Cor.
80.00	N. 14 " " " " " " Cor. of
	Secs. 2, 3, 34 and 35.
	Through Sec. 2.
	S. 89° 57' E. on the tangent.
40.00	N. 18¼ lks. from the tangent, set stump ¼ Sec. Cor.
80.00	N 23 " " " " " " Cor. of
	Secs. 1, 2, 35 and 36

North bdy. T. 22 N., R. 31 W.

Chains

Through Sec. 1.

S. 89° 56' E. on the tangent.

40.00 N. 27¼ lks. from the tangent, set temp. ¼ Sec. Cor.

70.40 N. 31 " " " " " Cor. of Tp.

which falls 190 lks. N. of the Cor. of Tps., 22 and 23 N., Rs. 30 and 31 W.

Therefore, the true course is N. 89° 46' W. and the permanent Cors. will be set south from the random line, by offsets decreasing 16¼ lks. per half mile.

Boundaries of T. 22 N., R. 31 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° 53' W.	479.00	1.02			479.00
W. bdy	North	480.00	480.00			
N. bdy	S. 89° 46' E	470.40		1.90	470.40	
E. bdy	S. 0° 57' E	480.00		480.00	7.98	
Convergency					66	
Totals			481.02	481.90	479.04	479.00
				481.02		
Error in Lat.				88 lks.	479.00	
Error in Dep.					04 lks.	

Thence Iron

N. 89° 46' W. on true line bet. Secs. 1 and 36.

Over broken foot hills.

12.00 Ascend along S. E. slope

25.00 Top of ascent 100 ft. on S. face of range. descend along S. W. slope

30.40 Deposit a charred stake 12 ins. in the ground for ¼ Sec. Cor.; dig pits 18 × 18 × 12 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

North bdy. T. 22 N., R. 31 W.

Chains.

44.00 Bottom of descent, in pass. N. and S. ascend abruptly.

54.40 Top of ascent, 100 ft; on sand bluff.

59.00 Begin descent along S. W. Slope

70.40 Deposit a charred stake 12 ins. in the ground for Cor. of Secs. 12, 35 and 36, dig pits 18 × 18 × 12 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. 36 on N. E.

R. 31 W., S. 1 on S. E.

T. 22 N., S. 2 on S. W. and

S. 35 on N. W. faces, with 1 notch on E. and 5 notches on W. edges.

Land, broken

Soil, sandy 3rd rate.

N. 89° 46' W. on true line bet. Secs. 2 and 35.

Ascend

1.00 Top of ascent, on S. slope of ridge; descend along S. slope of hills.

28.00 Bottom of descent, ascend along E. slope

33.00 Top of ascent 75 ft., thence over rolling ground

40.00 Deposit a charred stake 12 ins in the ground for ¼ Sec. Cor., dig pits 18 × 18 × 12 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 descent along W. slope

65.00 Bottom of descent, in ravine, thence over rolling foot hills.

80.00 Set a hackberry 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

North bdy. T. 22 N., R. 31 W.

Chains.

T 23 N. S 35 on N.E.
R 31 W. S 2 on S.E.
T. 22 N S 3 on S.W and
S. 34 on N.W. faces, with 2 notches on E. and 4 notches on W Edges. dig pits 18x18x12 in. in each Sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high, W. of Cor.
Land, broken and rolling.
Soil, Sandy 3rd rate.

N. 89°46' W. on true line bet. Secs. 3 and 34
Over low foot hills.
40.00 Deposit a charred stake 1 in. in the ground for ¼ Sec. Cor., dig pits 18x18x12 in. 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 in. sq. 12 in. in the ground, marked
¼ S. on N. face
52.00 Begin descent.
55.00 Bottom of descent; thence over rolling ground.
80.00 Deposit a charred stake 1 in. in the ground for Cor. of Secs. 3, 4, 33, and 34, dig pits 18x18x12 in. 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 in. sq. 12 in. in the ground, marked
T 23 N., S. 34 on N.E.
R. 31 W. S. 3 on S.E.
T. 22 N. S. 4 on S.W. and
S. 33 on N.W. faces, with 3 notches on E. and W. Edges.
Land, rolling.
Soil, Sandy 3rd rate.

N. 89° 46' W. on true line bet. Secs. 4 and 33.
Cov. rolling ground

North bdy. T. 22 N., R. 31 W.

Chains.

7.00 Begin ascent, along S.E. slope
17.00 Top of ascent, thence over rolling ground along N. slope
28.00 Begin descent, along S.W. slope
40.00 Deposit a charred stake 1 in. in the ground for ¼ Sec. Cor.; dig pits 18x18x12 in. 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 in. sq. 12 in. in the ground, marked
¼ S. on N. face
50.00 Bottom of descent, ascend along N.E. slope
60.00 Top of ascent 50 ft.; thence descend gently along N. slope of hills.
80.00 Set a hackberry post 3 ft. long 4 in. sq. with a charred stake 24 in. in the ground, for Cor. of Secs. 4, 5, 32 and 33, marked
T 23 N. S. 33 on N.E.
R. 31 W. S. 4 on S.E.
T 22 N. S. 5 on S.W. and
S. 32 on N.W. faces, with 4 notches on E., and 2 on W. Edges.
Land, rolling and broken
Soil, Sandy 3rd rate.

N. 89° 46' W. on true line bet. Secs. 5 and 32
Over low rolling hills, descending slightly.
40.00 Deposit a charred stake 1 in. in the ground for ¼ Sec. Cor., dig pits 18x18x12 in. 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 in. sq. 12 in. in the ground, marked
¼ S. on N. face
41.00 Bottom of descent, ascend gradually along N.E. slope
60.00 Top of ascent; 50 ft. descend gradually along N.W. slope
80.00 Deposit a charred stake 1 in. in the ground.

North bdy. T. 22 N., R. 31 W.,

Chains

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

T23N S.32 on N.E.,

R.31W. S.5 on S.E.

T22N. S.6 on S.W. and

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

Land, rolling and broken

Soil, sandy 3rd rate.

N.89°46' W. on true line bet. Secs. 6 and 31.

Over rolling ground

2.00 Begin gradual ascent along N.E. slope

30.00 Top of ascent 50 ft. descend along N.W. slope over rolling ground

40.00 Deposit a charred stake 12 ins. in the ground for 1/4 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

1/4 S. on N. face

45.00 Bottom of descent, in ravine N.E. and S.W., ascend along S.E. slope

63.00 Top of ascent, on sand ridge 70 ft., descend along W. slope

80.00 The Cor. of Tps. 22 and 23 N., Rs. 31 and 32 W.,

Land, rolling and broken.

Soil, sandy 3rd rate.

August 18, 1896

North bdy. T. 22 N. R. 31 W.,

General Description.

This line runs along the top and the slope of a range of moderate sand ridge its entire length, over broken and rolling land.

No timber of any description on line, vegetation consists of a sand grass. Soil, very sandy and unfit for cultivation.

Willard W. Alt.
U.S. Surveyor

Aug. 18. 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 North Boundary of Township No. 22 North, Range 31 West of the 6th Principal Meridian, State of Nebraska, as

executed by Willard W. Alt, 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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W.W. Alt - North boundary T 22 N, R 31 W

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