General Land Office • Original Field Notes

Book Number

774

W.W. Alt - East boundary T 24 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.

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

OF THE SURVEY OF

East Boundary
of
Township No. 24 N., Range 32 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 July 23, 1896

Survey completed July 23, 1896

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Names and Duties of Assistants.

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

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E. Bly

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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

East bdy. T. 24 N., R. 32 W.

Chains.

From a tack in the cor. post of Tps. 23 & 24 N., Rs. 31 and 32 W. I observe Polaris at eastern elongation, in accordance with instructions in the Manual, at 11h 20m PM. July 22, and mark the line thus determined by a tack in stake driven in the ground. 5 lks. N. of station.

July 23: I lay off the azimuth of Polaris, 1°41' to the W. and mark the true meridian thus determined by a tack in stake driven 5 lks. N. of my station. which meridian agrees exactly. with the range line through T. 23. At 8h am. the magnetic bearing of the true meridian is N. 12°35' W. which angle reduced by the table on page 100 of the manual, gives the mean mag. dec. 12°29' E.

From the Tp. cor. I run
North, bet. secs. 31 and 36.
Over rolling valley land.

40.00 Deposit a charred stake 12 ins. in the ground for ¼ sec. cor. I 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 2½ ft. long 2 ins. sq. 12 ins. in the ground. marked ¼S, on W. face.

42.00 Old trail: bears E. and W.

48.00 Foot of hills: bear S. 80° W. and N. 70° E. ascend.

55.00 Top of ascent. 75 ft.: on E. face of range.

67.00 Descend along N.E. slope.

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.

Chains.

long, 2 ins. sq. 12 ins. in the ground. marked
T24N S30. on NE.
R31 W S 31. on SE.
S36. on SW. and
R32W S 25, on NW. faces. with 1 notch on S. and 5 notches on N. edges.
Land: rolling, and broken.
Soil, sandy: 2nd and 3rd rate.

North, bet. secs. 25 and 30.
Descend gradually, along NE slope.
8.00 Bottom of descent: thence, over rolling ground.
21.70 Enter E edge of plowing.
34.50 Leave "
38.00 Ruins of an old sod house, bears W. 2 chs. dist.
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.
50.00 Leave valley: ascend over rolling ground.
64.75 Trail: bears N. 20° E.
79.75 Top of ascent, on low sand bluff.
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 24 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: broken, and rolling:
Soil, sandy: 2nd and 3rd rate.

Chains.

North, bet. secs. 19 and 24.
Over rolling ground. along S. face of hills.
2.20 Trail: bears N. 10° W.
17.00 Top of range: E. and W.: descend 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.
55.00 Bottom of descent: thence over rolling foot hills.
78.00 Bottom of circular depression.
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 SE. pit. drive an oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground. marked
T 24 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: rolling, and broken.
Soil, sandy: 3rd rate.

North, bet. secs. 13 and 18.
Over rolling ground.
13.50 Trail: N 80° W.
20.00 Wire fence: along railroad.
21.57 Center of track. Burlington and Missouri River railroad; N. 81° 33' W. - on 1° curve. in cut, 20 ft. deep.
22.30 Telegraph line, along railroad.
23.74 Wire fence: thence over very broken ground.

East bdy. T. 24 N. R. 32 W.

Chains.

29.45 Trail: bears N. 80° W.

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 Begin descent, over rolling ground.

63.45 Right bank Loup river, 110 lks. wide: course N. 80° E.: from left bank, 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. 7, 12, 13, and 18, marked
T 24 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 mound of earth 4 ft. base, 2 ft. high, W. of cor.
Land: broken.
Soil: sandy; 3rd rate.

North, bet. secs. 7 and 12.
Ascend along S. slope, through a break in bluffs.

34.00 Top of ascent: 150 ft. above river. Thence along E. face of bluffs.

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.

63.00 Begin descent along N. slope.

74.00 Enter abandoned plowed field, E and W.

East bdy. T. 24 N. R. 32 W.

Chains.

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 24 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: broken.
Soil: sandy; 3rd rate.

North, bet. secs. 1 and 6.
Through abandoned plowed field.

2.70 Leave plowed field: ascend over rolling foot hills.

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.

65.00 Top of ascent: 50 ft.: thence, descend over rolling ground.

84.96 Intersect 6th Standard Parallel, N. 89° 12' W. 5.27 chs. dist. from the ¼ sec. cor. on S. bdy. Sec. 32, T. 25 N., R. 31 W.
Set an oak post 3 ft. long, 4 ins. sq. with a charred stake 24 ins. in the ground for closing cor. of Tps. 24 N., Rs. 31 and 32 W. marked
CC T 24 N. on S.
R 31 W S 6. on E. and
R 32 W S 1. on W. faces, with 6 grooves on E., S., and W. faces: dig pits 30x24x12 ins. crosswise on each line, E. and W. 4 ft. and

East bdy. T. 24 N., R. 32 W.

Chains.

S. of post 8 ft. dist. and raise a mound of earth 5 ft. base, 2½ ft. high. S. of cor.
Land: broken.
Soil: sandy; 3rd rate.

July 23, 1896.

General Description.

This line runs over a series of low sand hills, excepting the descent to and ascent from the Loup river —

The soil is very sandy and is unfit for cultivation. No timber on line except along river, where there is scattering cedar and ash — with underbrush of plum — Vegetation consists of sand and buffalo grass.

Willard W. Alt
U. S. Surveyor.

July 23. 1896.

Boundaries of T. 24 N., R. 32 W
Latitude, Departures and Closing Errors.

Lines Designated	True Bearing	Distance	Latitude N.	Latitude S.	Departure E	Departure W
		ch.	ch.	ch.	ch.	ch.
S. bdy	N. 89°40' W	475.38	2.88			475.38
W. bdy 4th Guide	North	487.00	487.00			
N. bdy. 6th Standard	S. 89°33' E	476.34		3.84	476.34	
E. bdy	South	484.96		484.96		
Convergency					0.66	
Totals			489.88	488.80	477.00	475.38
Error in Latitude			488.80		475.38	
			1.08			
Error in Departure					1.62	

Boundaries of T. 24 N., R. 31 W.
Latitude, Departure and Closing Errors.

Lines Designated	True Bearing	Distance	Latitude N	Latitude S.	Departure E	Departure W.
		chs.	chs	chs.	chs.	chs.
S. bdy	N. 89°41' W	462.06	1.89			462.06
W. bdy	North	484.96	484.96			
N. bdy 6th Standard	S. 89°29' E	461.67		4.38	461.67	
E. bdy	South	482.76		482.76		
Convergency					0.66	
Totals			486.85	487.14	462.33	462.06
Error in Latitude				486.85		
				0.29	462.06	
Error in Departure					0.27	

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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gives the mean magnetic declination to ...

4/134

10/140

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 East Boundary of Township No. 24 North, Range No. 32 West of the 6th Principal Meridian, State of Nebraska.

as executed by Willard H. Alt, United States Surveyor, under his contract ~~No.~~ ....., dated January 26th, 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 Surveyor General ~~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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