General Land Office • Original Field Notes

Book Number

775

W.W. Alt - East boundary T 24 N, R 38 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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(4—679.)

Received with letter from W. W. Alt, U. S. Surveyor, dated Sept. 13, 1896. 98725-'96

FIELD NOTES

OF THE SURVEY OF

East Boundary

of

Township 24 N., Range 38 W.

Of the 6th Principal Meridian,

State of Nebraska

AS SURVEYED BY

Willard W. Alt, United States Deputy Surveyor,

Under his Contract No. _____, dated December 26, 1894

Survey commenced December 6, 1895.

Survey completed December 6, 1895.

(1319—2,500.)

✓

[illegible] ascend over broken ground.

Names and Duties of Assistants.

Samuel P. Haygood, Chainman.
Sidney Blout, Chainman.
Theodore Neeland, Flagman.
James C. Rosengrens, Woodman

INDEX DIAGRAM.

East boundary

Township 24 . Range 38 W.

6	5	4	3	2	1	5
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30	29	28	27	26	25	2
31	32	33	34	35	36	1

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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 distance 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. 24 N. R. 38 W.

Chains	
	I prolong the range line brought through T 23 N. to a point 2.72 chs. N. of the cor. of Tp 23 and 24 N., Rs. 37 and 38 W. where I drive tack in stake firmly driven at this point.
	From this point I observe Polaris at western elongation, at 3 o'clock Central standard time on morning of December 6, 1895, as per instructions in the Manual, and mark the line thus determined by a point in stake driven North of my station.
	At 9 A.M. I lay off the azimuth of Polaris 1°41' to the east, and mark the true meridian thus determined, by driving tack in oak stake firmly driven in the ground 6.28 chs. north of my station.
	The magnetic bearing of the true meridian is N. 13°06' W. which reduced by the table on page 100 of the manual gives the mean magnetic declination 13°04' E.
	From the Tp cor. I run
	North, bet. secs 31 and 36.
	Ascend slightly over ridges and ravines along W. face of range.
15.00	Top of ascent 40 ft above cor., descend along N.W. slope.
40.00	Deposit a charred stake 12 ins in the ground for ¼ sec cor. dug pits 18x18x12 ins N T 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 the ground. marked ¼ S. on W. face.
47.00	Trail; Hyannis to Whitman. parallel to railroad.
47.08	Wire fence. parallel to railroad.
48.70	Center of track of Burlington and Missouri River railroad in Nebraska. Course N. 71°03' E. S. 71°03' W.
49.29	Telegraph line. parallel to railroad.
54.00	Bottom descent, in neck of valley. extends to the east.
59.00	Foot of range of sand hills. course N. 70° E. S. 60° W., ascend over broken ground.

chains

70.00 Top of ascent 50 ft above valley, thence over broken ground.

80.00 Deposit a charred stake 12 ins in the ground for cor of secs. 25. 30. 31. and 36: 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 the ground, marked
T 24 N S 30. on NE.
R 37 W S 31. on SE.
S 36. on SW. and
R 38 W S 25. on NW. faces, with 1 notch on S. and 5 notches on N. edges.
Land. rolling sand hills.
Soil. sandy: 3rd rate.
Sand grass, and bunch grass.

North. bet. secs. 25 and 30.
Over broken ground along W. face of range.

19.00 Ravine 20 ft. deep. Course SE. and NW.; ascend.

38.00 Top of ascent, 50 ft.; thence over broken ground.

40.00 Deposit a charred stake 12 ins in the ground for ¼ sec. cor.: dug pits 18x18x12 ins N & 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 the ground. marked
¼ S., on W. face.

42.00 Begin descent along N. slope.

66.00 Trail, Course E. & W. - enter neck of valley.

67.00 Begin ascent over rolling foot hills.

74.00 Top of ascent, thence over broken foot 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. 19. 24. 25. and 30. marked.
T 24 N S 19. on NE.
R 37 W S 30. on SE.
S 25. on SW. and
R 38 W. S 24. on NW. faces. with 2 notches on S. and 4 on N. edges. dug pits 18x18x12 ins. in

chains

each sec 5½ ft dist; and raised a mound of earth 4 ft. base 2 ft high. W. of cor.
Land. rolling sand hills.
Soil. sandy: 3rd rate.
Bunch grass and sand grass.

North, bet. secs. 19 and 24.
Ascend slightly over broken ground.

10.00 Sand bluff. 30 ft high; descend.

11.00 Wire fence, course E. and W.

26.00 Bottom descent, in neck of valley: Course E. & W.

30.00 Begin ascent along S.W. slope.

40.00 Deposit a 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 the ground. marked
¼ S., on W. face.

53.00 Top of ascent on W. face range, 100 ft above valley.

61.80 Begin descent along N. slope of range.

80.00 Deposit a charred stake 12 ins in the ground for cor. of secs. 13. 18. 19. and 24.: 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 the ground, marked
T 24 N S 18. on NE.
R 37 W S 19. on SE.
S 24. on SW. and
R 38 W S 13. on NW. faces. with 3 notches on N. and S. edges.
Land, rolling and broken sand hills.
Soil. sandy: 3rd rate.
Bunch grass and sand grass.

E. boundary T. 24 N. R. 38 W. continued.

Chains	
	North, bet. secs. 13. and 18.
	Descend gently.
4.20	Trail; S. 70° E.; N. 70° W.; enter level land.
11.10	Trail; course E. and W. begin ascent along S. slope.
30.00	Top of ascent. 40 ft above valley, - Over broken ground.
40.00	Deposit a charred stake 12 ins in the ground for ¼ sec. cor.: dug pits 18x18x12 ins N. & 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 the ground, marked ¼ S., on W. face.
42.00	Begin descent over rolling ground.
52.00	Bottom descent, in neck of valley; course E. and W.
60.00	Begin ascent along Sw. slope of range over low ridges.
80.00	Set an oak post 3 ft long 4 ins sq. with 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 37 W S 18. on SE.
	S 13. on SW. and
	R 38 W S 12. on NW. faces. with 4 notches on S. and 2 on N. edges.; dug pits 18x18x12 ins in each sec. 5½ ft dist. and raised a mound of earth 4 ft base 2 ft high W. of corner.
	Land, level valley, and low sand hills.
	Soil, sandy; 1st and 3rd rates.
	Prairie, sand. and bunch grass.

	North. bet. secs. 7 and 12.
	Ascend along Sw. slope over broken ground:
37.00	Top of ascent 100 ft above valleys; thence along N. face of range. over broken ground.
40.00	Deposit a charred stake 12 ins in the ground for ¼ sec. cor.; dug pits 18x18x12 ins. N & 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.

E. boundary T. 24 N. R. 38 W. continued

Chains.	
	12 ins in the ground. marked ¼ S., on W. face.
59.00	Top of range. 150 ft. above valley.; descend along N. slope.
80.00	Deposit a charred stake 12 ins. in the ground for cor of secs 1. 6. 7. 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 SE. pit drove an oak stake 2 ft long 2 ins sq. 12 ins in the ground. marked
	T 24 N S 6. on NE.
	R 37 W S 7. on SE.
	S 12. on SW. and
	R 38 W S 1. on NW. faces with 5 notches on S. and 1 notch on N. edges.
	Land rolling sand hills.
	Soil. sandy; 3rd rate.
	Bunch grass.

	North. bet. secs. 1 and 6.
	Descend slightly along N. slope.
7.00	S. edge dry bed of Raymond lake, Course E. & W.
28.00	Leave lake bed; thence over level ground.
40.00	Deposit a charred stake 12 ins in the ground for ¼ sec cor. dug pits 18x18x12 ins. N & 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 the ground. marked ¼ S, on W. face.
	Frank Palmer's sod house bears S. 85° 50' E.
	Ascend along S. slope range of sand hills.
50.00	Top of ascent. 50 ft above cor.; ascend along S. face of hills.
60.00	Top of range; Course E. & W., 100 ft. above valley.
75.00	Begin descent along N. slope.
102.58	Intersect 6th Standard Parallel at a point S. 89° 58' W. 13.06 chs. dist from S. ¼ sec cor of sec 32, T. 25 N, R. 37 W.

E. boundary T. 24 N. R. 38 W. concluded.

Chains

Set an oak post 3 ft long 4 ins sq. with chamfered stake 24 ins in the ground for closing cor of T 24 N., Rs. 37 and 38 W., marked
C C T 24 N, on S.
R 37 W. S6. on E. and
R 38 W S1. on W. faces. with 6 grooves on S.E. and N. faces; dug pits 30 x 24 x 12 ins. crosswise on each line, E. and W., 4 ft. and S. of post 8 ft dist. and raised a mound of earth 5 ft base 2½ ft high. S. of cor
Land. level valley and rolling sand hills.
Soil, sandy; 3rd rate.
Sand grass, and bunch grass.

December 6 1895.

Boundaries of T. 24 N. R. 38 W.
Latitudes. Departures. and closing errors.

Lines Designated		True Bearing	Distance	Latitude. N.	Latitude. S.	Departure. E.	Departure. W.
			Chs.	Chs.	Chs.	Chs.	Chs.
South	boundary	N. 89°45 W.	481.00	1.74			481.00
West	"	North	497.87	497.87			
North	"	N. 89°41 E	478.85	2.58		478.85	
East	"	South	502.58		502.58		
Convergency						0.65	
Totals				502.19	502.58	479.50	481.00
					502.19		479.50
Error in Latitude - - - -					0.39		
Error in Departure - - - - - - - - - -							1.50

General Description.

This township is very rough and broken, consisting of a series of sand ridges, with narrow valleys, most of which are subject to overflow; thereby causing the growth of a very rank grass. Soil is very sandy and unfit for cultivation; but very good for grazing purposes. No timber in any part of the township, the vegetation consisting of a "sand" and "bunch" grass.

Willard H. Alt
U. S. Deputy Surveyor.

Dec. 6 1895.

Final Oaths of Deputy Surveyors and their 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 instructions 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 directions; 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 *true* 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 ....., United States Deputy Surveyor, and sworn to before me this ..... day of ....., 189 .

SEAL

.....

.....

APPROVAL.

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

Washington D.C. April 30 –, 1897.

The foregoing field notes of the survey of the East boundary line of Township No 24 North Range 38 West of the 6th principal Meridian State of Nebraska.

Milford W. Alt U S Surveyor executed by under his Contract No. ....., dated December 26, 1894, having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Binger 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 survey ~~on~~ of the East boundary line of T 24 N, R 38 W, has been correctly copied from the original notes on file in this office.

Binger Hermann
~~United States Surveyor General~~ Commissioner and ex officio Surveyor General for Nebraska.

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