General Land Office • Original Field Notes

Book Number

775

W.W. Alt - East boundary T 24 N, R 40 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" X

(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 40 W

Of the 6th Principal Meridian,

State of Nebraska

AS SURVEYED BY

William W. Alt, *United States Deputy Surveyor,*

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

Survey commenced August 25, 1895.

Survey completed August 26, 1895.

(1319—2,500.)

Names and Duties of Assistants.

Clarence P. Haggard, Chainman
Sidney Dent, Chainman
James G. Grover, Flagman
James C. Rosengren, Mounduman

INDEX DIAGRAM.

East Boundary

Township 24 . *Range* 40

6	5	4	3	2	1	5
7	8	9	10	11	12	4
18	17	16	15	14	13	3
19	20	21	22	23	24	3
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 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

.....

.....

See Oath of Chainmen, Axmen & Flagmen Page 1347

Chains.

August 25, at 10 o'clock P.M., central standard time, I observe Polaris at eastern elongation, from the cor of Tps. 23 and 24 N., Rs. 39 and 40 W. in accordance with instructions in the Manual and mark the line thus determined, by a point in stake driven in ground North of cor.

August 25, 1895.

Aug. 26, at 8 a.m. I lay off the azimuth of Polaris 1°41' to the west, and mark the true meridian thus determined by a tack in stake firmly driven in the ground 5 chs. North of corner.

The magnetic bearing of the true meridian is N. 13°06' W. at 8 a.m. The angle thus determined reduced by the table on page 100 of the Manual gives the mean mag. decl. 13°00' E.

Thence I run

North, bet. secs. 31 and 36.

Descend slightly over rolling ground.

7.60 Trail; course E. and W.; from Larkins to Hoyannis

12.00 Foot of range of hills.; Course W. and N. 40° E.; ascend.

20.00 Top of ascent, 75 ft above valley; thence along top of range over broken ground.

40.00 Deposit a chamed stake 12 ins in the ground for ¼ sec. cor.: dug pits 18x18x12 ins. N. & S. of C.r. 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.

49.00 Begin descent along N.E. slope of range.

75.00 Bottom of descent; enter rolling ground; Course E. & W.

75.50 Trail, Course E. and W. - from Ashby to Hoyannis.

77.57 Center of track of Burlington and Missouri River Railroad. Course N. 86°27' W. & S. 86°27' E.

78.13 Western Union Telegraph line parallel to railroad

E. boundary T. 24 N. R. 40 W. continued.

Chains	
80.00	Deposit a chained 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 T24N S30, on NE. R39W S31. on SE. S36. on SW. and R40W S25. on NW. faces. with 1 notch on S. and 5 notches on N. edges.
	Land. broken sand hills, and rolling valley.
	Soil. sandy: 3rd rate.
	Sand grass in valleys, bunch grass on hills.
	North, bet. secs. 25 and 30.
	Over level land.
15.00	Begin gentle ascent. SE. slope of foot hills.
34.00	Top of ascent. 50 ft. above valley, on E. face low range, descend over rolling ground.
40.00	Deposit a chained 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.
49.00	Enter level ground, course E and W.
58.00	Begin gentle ascent along S. slope.
59.23	Trail: course N.40°W. ; S.40°E. ; to Hyannis.
73.00	Top of ascent 40 ft above valley. ; thence over rolling foot hills.
80.00	Set an oak post 3 ft long 4 ins sq. with a chained stake 24 ins in the ground for cor of secs. 19. 24. 25. and 30. marked T24N S19. on NE. R39W S30. on SE. S25, on SW. and R40W S24. on NW. faces. with 2 notches on S. and 4 on N edges

E. boundary T. 24 N. R. 40 W. continued.

Chains	
	Land, level and rolling.
	Soil, sandy; 2nd and 3rd rates.
	Prairie and bunch grass.
	North, bet. secs. 19 and 24.
	Ascend gently over rolling ground, along top of low range of hills.
18.00	Top of ascent 20 ft above cor. ; descend along N. slope.
20.00	Enter level land ; course E and W.
36.00	Leave level land ; ascend gently along S. slope low hills.
40.00	Deposit a chained 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.
	Ascend over low hills.
54.00	Top of low sand peak 50 ft above valley. descend gently over rolling ground
80.00	Deposit a chained 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 T24N S18. on NE. R39W S19. on SE. S24. on SW. and R40W S13. on NW faces. with 3 notches on N. & S. edges.
	Land. level and rolling sand hills.
	Soil. sandy; 2nd & 3rd rates.
	Prairie and bunch grass.
	North. bet. secs 13. and 18.
	Ascend gently along S.E. slope.
26.00	Top of ascent on ridge, Course N. & S. - 40 ft above cor.
28.00	Begin descent along N. slope.

E. boundary T. 24 N., R. 40 W., continued.

Chains

40.00 Deposit a chanced 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.

50.00 Enter rolling ground, course E. and W.

58.00 Begin ascent along S.E. slope, range of hills.

70.00 Top of ascent on bluff, 75 ft above valley; descend along N.E. slope.

79.00 Bottom of descent in depression; on E. slope of range; ascend.

80.00 Set an oak post 3 ft long 4 ins sq. with a chanced stake 24 ins. in the ground, for cor of secs 7, 12, 13, and 18, marked
T 24 N S 7, on NE.
R 39 W S 18, on SE.
S 13, on SW. and
R 40 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 N. of corner
Land, low rolling sand hills, and rolling valley.
Soil, sandy; 3rd rate.
Sand, and bunch grass.

North, bet. secs. 7, and 12.
Ascend along S.E. slope over rolling ground.

10.00 Top of ascent, 50 ft above cor.; thence along W. face of range over rolling ground.

40.00 Deposit a chanced 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

49.00 Begin descent along N. slope.

61.00 Bottom of descent, in ravine. Course E. and W. ascend along S. face of range.

E. boundary T. 24 N., R. 40 W., continued.

Chains

77.00 Top of ascent, 75 ft. above valleys; thence along N. face range or bluff.

80.00 Deposit a chanced 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 39 W S 7, on SE.
S 12, on SW. and
R 40 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.
Over rolling ground along W. face of range

11.00 Begin descent along N. slope.

22.00 Bottom descent, thence over rolling foot hills.

37.00 Descend along N. slope.

40.00 Deposit a chanced 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.
Descend.
Bottom of descent, in ravine or pass: course N 80° E. S. 80° W.; ascend along SW. slope range.

74.00 Top of ascent 100 ft above valley: Course E. & W.

80.50 Begin descent along N. slope.

102.75 Trail to Hyannis. Course S. 60° E. & N. 60° W.

106.00 Intersect 6th Standard Parallel N. at a point S. 89° 35' E. 0.60 chs. from the ¼ sec. cor. on S. bdy. of sec 32, T 25 N., R. 39 W., where I
Set an oak post 3 ft long 4 ins sq. with chanced stake 24 ins in the ground for closing cor

E. boundary T. 24 N. R. 40 W. concluded.

Chains.

of T. 24 N. Rs. 39 and 40 W. marked
CCT 24 N, on S.
R 39 W. S 6. on E. and
R 40 W. S 1. on W. faces with 6 grooves on
S. E. and W. 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 corner.
Land rolling sand hills.
Soil, sandy; 3rd rate.
Bunch, and sand grass
August 26, 1895.

Boundaries of T. 24 N. R. 40 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	S. 89°55' W.	474.37		0.72		474.37
W. bdy. 5th Guide	N 0°55' E	517.15	517.15		8.30	
N. " 6th Stand. Par.	S 88°51' E	465.01		9.42	465.01	
E. boundary	South	506.00		506.00		
Convergency					0.65	
Totals			517.15	516.14	473.96	474.37
			516.14			473.96
Error in Latitude - - -			- 1.01			
Error in Departure - - - - - - - -						0.41

General Description

This township consists of a series of rolling sand hills or ranges, in eastern portion, with much rolling valley land in western and southern part. The ranges are very high and broken, with narrow dry valleys. A prairie or sand grass grows in valleys, and a bunch grass on the hills.
No natural water in township and no timber of any description. Soil very sandy and unfit for cultivation.

Willard W. Alt.
U. S. ~~Deputy~~ Surveyor.

August 26 '95.

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

10
309

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 30th, 1897.

The foregoing field notes of the re survey of the east boundary line of Township No 24 north Range No 40 west of the 6th principal meridian State of Nebraska

..... executed by Willard V. Alt U.S. Surveyor under his Contract No. ....., dated December 26, 1894 having been critically examined, the necessary corrections and explanations made, the said field notes, and the re 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 surveys of the east boundary line of T 24 N, R 40 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.

310

General Land Office • Original Field Notes

Book Number

775

W.W. Alt - East boundary T 24 N, R 40 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.