General Land Office • Original Field Notes

Book Number

775

W.W. Alt - North boundary T 22 N, R 39 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 98925—'96

FIELD NOTES

OF THE SURVEY OF

North Boundary

of

Township 22 N. Range 39 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 September 21, 1895.

Survey completed September 21, 1895.

(1319—2,500.)

Names and Duties of Assistants.

Clarence P. Haggard, Chainman.
Sidney Scott, Chainman.
James G. Grover, Flagman.
James C. Rosengren, Monumentman.

INDEX DIAGRAM.

Township 22 N. boundary. Range 39 W.

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

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

.....

.....

North boundary T. 22 N., R. 39 W.

Chains

I commence at the cor. of Tps. 22 and 23 N. Rs. 38 and 39 W. which I established April 13. 1895. At 8h 15m central Standard time, night of September 20 1895. I observe Polaris at eastern elongation, from a tack driven in top of corner post; in accordance with instructions in the Manual, and mark the line thus determined by point in stake driven N. of cor.

September 20 1895.

September 21 at 7 o'clock 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 chains N. of corner. The magnetic bearing of the true meridian is N. 13°10' W., the angle thus determined reduced by the table on page 100 of the Manual gives the mean. mag. decl. 1°04' E.

I turn an angle 90° to the West from the meridian, and run

Through Sec. 1

West, on the tangent.

40.00 N. ¼ lk. from the tangent, set temp ¼ sec cor.
80.00 N. 1 " " " " " 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.

N. boundary T. 22 N., R. 39 W. continued.

Chains

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.

Through Sec. 6.

S. 89°56' W., on the tangent.

40.00 N. 27¼ lks from the tangent, set temp ¼ sec. cor.

81.04 N. 33 " " " " " cor of Tp.

which falls 96 lks. N. of the Cor of Tps 22 and 23 N., Rs. 39 and 40 W., therefore, the true course is N. 89°53' E., and the permanent corners will be set south from the random line, by offsets decreasing 8 lks per half mile.

N. boundary T. 22 N., R. 39 W. continued.

Boundaries of T. 22 N., R. 39 W.

Latitudes, Departures, and Closing Errors.

Lines Designated	True Course	Distance	Latitudes. N.	Latitudes. S.	Departures. E.	Departures. W.
		chs.	chs.	chs.	chs.	chs.
S. boundary	S. 89°58' W.	482.12		0.30		482.12
W. "	North.	480.00	480.00			
N. "	N. 89°53' E.	481.04	0.96		481.04	
E. "	South	480.00		480.00		
Convergency					0.65	
Totals			480.96 480.30	480.30	481.69	482.12 481.69
Error in Latitude - - -			0.66			
Error in Departure - - - - - - - - - -						0.43

Chains

Thence I run

N. 89°53' E. bet secs. 6 & 31.

Over level ground.

16.00 Begin gentle ascent over foot-hills, sloping to the NW.

24.00 Top of ascent 30 ft above cor., thence descend over rolling ground.

41.00 Enter circular basin of about 1 acre.

41.04 Deposit a chained stake 12 ins in the ground for ¼ sec. cor. dug pits 18x18x12 ins E and W of cor. 4 ft dist. and raised a mound of earth 3½ ft. base 1½ ft high, over deposit.

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

¼ S, on north face.

42.74 Trail; course N. 10° W. and S 10° E., to Hyannis. ascend gently along SW. slope.

81.04 Deposit a chained stake 12 ins in the ground for cor of secs. 5. 6. 31. and 32. 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 23 N S 32. on NE.

R 39 W S 5. on SE.

Chains

T22NS6, on SW. and
S31. on NW. faces, with 5 notches on E. and 1 notch on W. edges.
Land, level, and rolling.
Soil, sandy: 3rd rate.
Sand grass, and bunch grass.

N. 89°53' E. bet. secs. 5 and 32.
Ascend slightly along SW. slope.
19.00 Top of ascent, 20 ft. above cor. thence along S. face low range, over ridges and ravines.
22.20 Ravine 30 ft deep, runs S.
40.00 Deposit a chanced stake 12 ins. in the ground for ¼ sec cor., dug pits 18x18x12 ins. E and W. of cor. 4 ft dist, and raised a mound of earth 3½ ft base 1½ ft high, over deposit.
In E. pit drove an oak stake 2 ft long 2 ins sq. 12 ins in the ground, marked
¼ S, on N. face.
53.00 Begin descent along S.E. slope range.
64.00 Bottom descent, in Pass or ravine. Course N & S.
ascend over rolling foot hills.
79.00 Top of ascent, 30 ft above Pass.
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. 4, 5, 32, and 33. marked
T23NS33. on NE.
R39WS4. on SE.
T22NS5. on SW. and
S32. on NW faces, with 4 notches on E. and 2 notches on W. 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 cor.
Land, rolling sand hills.
Soil, sandy. 3rd rate.
Sand and bunch grass.

Chains

N. 89°53' E. bet. secs. 4 and 33.
Over rolling foot hills.
4.00 Ascend along SW. slope.
17.00 Top of ascent 30 ft above cor., thence descend gently along S.E. face.
40.00 Deposit a chanced stake 12 ins in the ground for ¼ sec cor., dug pits 18x18x12 ins. E and W. of cor. 4 ft dist. and raised a mound of earth 3½ ft base. 1½ ft high over deposit.
In E pit drove an oak stake 2 ft long 2 ins. sq. 12 ins in the ground. marked
¼ S, on N. face.
41.30 Begin descent along S.E. slope.
45.00 Bottom descent, in neck of narrow valley N. 40° E., S. 60° W., begin ascent along NW. slope of range.
73.30 Top of ascent 75 ft high, on N. slope ridge descend over broken ground.
80.00 Deposit a chanced stake 12 ins in the ground for cor of secs 3, 4, 33, and 34. 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 S.E. pit drove an oak stake 2 ft long, 2 ins. sq. 12 ins in the ground. marked
T23NS34. on NE.
R39WS3. on SE.
T22NS4. on SW. and
S33. on NW. faces with 3 notches on E. and W. edges.
Land, rolling and broken sand hills.
Soil, sandy. 3rd rate.
Sand and bunch grass.

N. 89°53' E. bet. secs. 3 and 34.
Ascend
3.00 Top of ascent on ridge 30 ft. above cor. on N. face of range 75 ft high, descend abruptly.
7.00 Bottom descent. thence along top of range over rolling ground.

N. boundary T. 22 N. R. 39 W. continued.

Chains

36.00 Low sand bluff., descend along E. face of range

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

46.50 Begin descent along E. slope of range.

51.50 Bottom descent 50 ft below, in neck of valley extending to N. W.

53.84 Wire fence, course N. 30° W. from a point about 4 chs. S.

56.33 Trail to Hyannis, N. 20° E., S. 20° W.
ascend along NW. slope.

70.00 Top of ascent 40 ft above trail. thence along N. slope of range, over low ridges.

80.00 Set an oak post 3 ft. long 4 ins sq. with a chamfered stake 24 ins in the ground for cor. of secs. 2. 3. 34. and 35. marked
T 23 N S 35. on NE.
R 39 W S 2. on SE.
T 22 N S 3. on SW. and
S. 34, on NW faces, with 2 notches on E. and 4 notches on W. 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 cor.
Land. rolling sand hills.
Soil, sandy; 3rd rate.
Sand and bunch grass.

N. 89° 53' E. betw. secs. 2. and 35.
Along N. slope, over ridges and ravines.

35.00 Begin gentle ascent along SW. slope.

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

N. boundary T. 22 N., R. 39 W. continued.

Chains

In E pit drove an oak stake 2 ft long 2 ins sq. 12 ins in the ground, marked
¼ S., on N. face.
Ascend along W. slope over broken ridges.

54.00 Top of ascent on N. slope range 75 ft above valley. descend along NE. slope.

62.00 Begin gradual descent along NE. slope.

80.00 Deposit a chamfered stake 12 ins in the ground for cor. of secs 1. 2. 35. 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 23 N S 36. on NE.
R 39 W S 1. on SE.
T 22 N S 2. on SW. and
S 35. on NW faces. with 1 notch on E. and 5 notches on W. edges.
Land rolling sand hills.
Soil. sandy: 3rd rate.
Sand. and bunch grass.

N. 89° 53' E. bet. secs. 1 and 36.
Ascend gently along NW. slope.

12.00 Top of ascent 30 ft above cor. descend along N. slope over low ridges.

27.00 Begin gentle descent along N.E. slope.

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

41.60 Trail. course N. 60° E., S. 60° W.

50.00 Enter level ground. SE. and NW.

69.14 Trail to Hyannis. Course N. 10° W., S. 10° E.

72.00 Enter marsh or wet land. NW & SE.

80.00 The cor of Tps 22 and 23 N, Rs. 38 & 39 W.
Land. rolling and level.

N. boundary T. 22 N. R. 39 W., concluded.

Chains

Soil. sandy; 1st and 3rd rates.
Heavy slough grass. and sand grass.

General Description

This line follows a series of low ranges of sand hills. except the east ½ mile which is located in valley.
The township is very broken, consisting of a series of sand ridges or bluffs, with narrow valleys between ranges.
The vegetation consists of a "Bunch" grass which grows on the hills, and a thin "Sand" grass in valleys.
No timber of any description, and the soil unfit for cultivation, but very good for grazing purposes.

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

September 21, 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

10/197

198

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 North boundary line of Township No. 22 North Range No. 39 West of the 6th principal meridian State of Nebraska

..... executed by Willard W. Att 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 ~~in~~ of the North boundary line of T. 22 N, R. 39 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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W.W. Alt - North boundary T 22 N, R 39 W

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