General Land Office • Original Field Notes

Book Number

775

W.W. Alt - North boundary T 23 N, R 37 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"

Ex 9-15-1903

32

(4—679.)

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

FIELD NOTES

OF THE SURVEY OF

North Boundary

of

Township 23 N. Range 37 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 7, 1895.

Survey completed December 7, 1895.

(1319—2,500.)

Names and Duties of Assistants.

Clarence P. Haggard, Chainman

Sidney Short, Chainman.

Theodore Neeland, Flagman

James C. Rosengren, Monumentman

INDEX DIAGRAM.

N. Boundary

Township 23 N. Range 37 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 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

1/36

N. boundary T. 23 N. R. 37 W.

Chains.	
	At the cor. of Tps. 23 and 24 N., Rs. 36 and 37 W. I turn an angle of 90° from north to the W. from the range line bet. Rs 36 & 37 W, and run
	Through Sec. 1.
	West, on the tangent.
40.00	N. ½ lk. from the tangent set temp ½ 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. ½ sec cor.
80.00	N. 3½ " " " " " cor. of secs.
	2. 3. 34. and 35.
	Through Sec 3.
	S. 89° 58' W. on the tangent.
40.00	N. 6 lk. from the tangent set temp ½ sec cor.
80.00	N 8½ " " " " " 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 ½ 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. 18½ lks from the tangent, set temp ½ sec cor.
80.00	N. 23 " " " " " cor of secs
	5. 6. 31. and 32.

N. boundary T. 23 N. R. 37 W. continued.

Chains.	
	Through Sec. 6.
	S. 89°56' W. on the tangent.
40.00	N. 27½ lks from the tangent, set temp. ¼ sec. cor.
80.44	N. 33 " " " " " Cor of Tp.
	which falls 204 lks N. of the cor of Tps. 23 & 24 N., Rs. 37 and 38 W.
	Therefore the true course is N. 89°45' E., and the permanent corners will be set S. from the random line by offsets decreasing 17 lks per half mile.

Boundaries of Township 23 N. R. 37 W.—
Latitudes, Departures, and closing Errors.

Lines Designated.	True Bearing	Distance	Latitudes N.	Latitudes S.	Departures E.	Departures W.
		chs.	chs.	chs.	chs.	chs.
South boundary	S. 89°46' W.	480.40		1.94		480.40
West "	North	480.00	480.00			
North "	N. 89°45' E.	480.44	2.04		480.44	
East "	South	480.00		480.00		
Convergency					0.65	
Totals			482.04 481.94	481.94	481.09 480.40	480.40
Error in Latitude — — — —			0.10			
Error in Departure — — — — — —						0.69

Boundaries of Township 24 N. R. 37 W.
Latitudes, Departures, and Closing Errors.

Lines Designated.	True Bearing.	Distance	Latitudes N.	Latitudes S.	Departures E.	Departures W.
		chs.	chs.	chs.	chs.	chs.
South boundary	S. 89°45' W.	480.44		2.04		480.44
West "	North	502.58	502.58			
North " 6th S. Par.	S. 89°40' E.	479.45		2.56	479.45	
East "	South	497.31		497.31		
Convergency					0.65	
Totals			502.58 502.21	502.21	480.10	480.44
Error in Latitude — — — —			0.37			480.10
Error in Departure — — — — — — — — — —						0.34

N. boundary T. 23 N., R. 37 W., continued.

Chains	
	Thence Drawn
	N. 89°45' E. bet. secs. 6 and 31.
	Ascend along W. slope, over broken ground
14.00	Top of ascent, 50 ft above cor.; over very broken ground.
21.00	Begin descent along S.E. face of range over broken ground
28.00	Bottom of descent; thence along S. face of range.
40.44	Deposit a chained stake 12 ins in the ground for ¼ sec cor.; dug pits to 18×18×12 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.
60.00	Ravine 10 ft deep.; ascend along Sw. face.
77.00	Top of ascent on S. face of range; descend along SE. slope.
80.44	Deposit a chained stake 12 ins in the ground for cor. of secs. 5. 6. 31. and 32.; dug pits 18×18×12 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 32. on NE. R 37 W S 5. on SE. T 23 N S 6. on SW. and S 31. on NW. faces. with 1 notch on W. and 5 notches on E. edges. Land. rolling sand hills. Soil. sandy; 3rd rate. Bunch grass.

N. 89°45' E., bet. secs. 5 and 32.
Descend abruptly along SE. slope of range.

17.00	Enter level land; course NE & SW.
22.45	Wire fence; course N. 20° E. & S. 20° W.
23.45	Trail. bears N 60° E. & S. 60° W. Over level land.
40.00	Deposit a chained stake 12 ins in the ground for ¼ sec. cor.; dug pits 18×18×12 ins. E. & W. of cor.

N. boundary T. 23 N. R. 37 W. continued.

Chains	
	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.
57.00	Begin gentle ascent along N.W. slope.
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. 4. 5. 32. and 33., marked. T 24 N S 33. on NE. R 37 W S 4. on SE. T 23 N S 5. on SW. and S 32. on NW. faces. with 2 notches on W. and 4 on E. edges.; dug pits 18 x 18 x 12 ins in each sec 5½ ft dist. and raised a mound of earth 4 ft base 2 ft high. west of corner. Land. level and rolling. Soil. sandy; 2nd & 3rd rates. Prairie and Sand grass.

N. 89° 45' E. bet. secs. 4 and 33:
Ascend gently along N. slope of range.

12.00	Top of ascent. 40 ft above valley; thence along N. slope of range over rolling ground
26.30	Wire fence; course N. 20° W. and S. 20° E.
40.00	Deposit a chamfered stake 12 ins in the ground for ¼ sec cor.; dug pits 18 x 18 x 12 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.
42.00	Begin slight descent along N. slope.
74.00	Bottom of descent; ascend slightly along N. slope.
80.00	Deposit a chamfered stake 12 ins in the ground for cor of secs 3. 4. 33. and 34; dug pits 18 x 18 x 12 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.

N. boundary T. 23 N. R. 37 W. continued.

Chains	
	12 ins in the ground, marked T 24 N S 34. on NE. R 37 W S 3. on SE. T 23 N S 4. on SW. and S 33. on NW. faces. with 3 notches on E. and W. edges. Land. rolling foot hills. Soil. sandy: 3rd rate. Sand grass.

N. 89° 45 E. bet. secs. 3 and 34.
Ascend along N. W. slope of range over broken ground.

40.00	Deposit a chamfered stake 12 ins in the ground for ¼ sec. cor. dug pits 18 x 18 x 12 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.
49.00	Top of ascent on bluff. 100 ft above valley; thence along top of range. over broken ground.
64.50	Wire fence; Course N. 65° E. and S. 65° W.
69.00	Descend along E. face ridge.
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 24 N S 35. on NE. R 37 W S 2. on SE. T 23 N S 3. on SW. and S 34. on NW. faces. with 4 notches on W. and 2 on E. edges.; dug pits 18 x 18 x 12 ins in each sec. 5½ ft dist. and raised a mound of earth 4 ft base 2 ft high W. of cor. Land. rolling and broken sand hills. Soil. sandy: 3rd rate. Bunch grass.

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41

N. boundary T. 23 N., R. 37 W. continued.

Chains	
	N. 89°45' E. bet. secs. 2 and 35.
	Ascend.
5.00	Top of ascent, on ridge; Course N. & S., 30 ft above cor. and 150 ft above valley; descend abruptly along E. slope.
23.25	Bottom of descent, in pass or ravine; Course N. & S. ascend over broken sand bluffs.
33.75	Sand bluff 50 ft. above pass: thence over rolling ground along top of low range.
40.00	Deposit a channel stake 12 ins in the ground for ¼ sec. cor.; dug pits 18 x 18 x 12 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.
	Ascend gently along S. face of range over rolling ground.
50.00	Top of ascent 30 ft above ¼ cor.; descend along E. slope over low ridges
73.75	Bottom of descent, in depression; ascend.
77.70	Top of ascent, 20 ft above depression; thence ascend slightly along S. face, over rolling ground.
80.00	Deposit a channel stake 12 ins in the ground for cor of secs. 1. 2. 35. and 36.; dug pits 18 x 18 x 12 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 36. on NE. R 37 W S 1. on SE. T 23 N S 2. on SW. and S 35. on NW. faces, with 5 notches on W. and 1 on E. edges.
	Land, rolling and broken sand hills.
	Soil, sandy; 3rd rate.
	Bunch grass.

7
41

N. boundary T. 23 N., R. 37 W. concluded.

Chains.	
	N. 89°45' E. bet. secs. 1 and 36.
	Ascend slightly along SW. face of range.
9.00	Top of ascent, 30 ft above cor.; thence along S. face of range over rolling ground.
18.00	Begin descent along S.E. face.
22.10	Wire fence: Course N. 10° W., and S. 10° E.
36.00	Sand bluff, or peak 50 ft above valley; descend
40.00	Deposit a channel stake 12 ins in the ground for ¼ sec. cor.; dug pits 18 x 18 x 12 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.
52.00	Bottom of descent - thence over low rolling foothills; ascending gently
53.00	Trail to Whitman: Course N. & S.
80.00	The cor of Tps. 23 and 24 N., Rs. 36 and 37 W.
	Land, rolling sand hills.
	Soil, sandy: 3rd rate.
	Bunch and sand grass.

December 7, 1895.

General Description

This township is very rough and broken consisting of a series of sand ridges running through the Tp. from E. to W.

Along the N. boundary of the Tp., the valleys are subject to overflow. - but in S. part. the valleys are dry. - producing a thin sand grass.

The wet valleys produce a very fine quality of prairi grass.

Soil, unfit for cultivation.

No timber of any description, on any part of lines.

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

Dec. 7, 1895.

8/43

I hereby certify that I assisted Willard W. Alt, U.S. Surveyor, in surveying all those parts or portions of the east boundary of Townships No. 23 and 24 N. Range 37 W and the East-boundary of Townships No. 21 and 22 N R 39 W of the 6th Principal Meridian, State of Nebraska, 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 my knowledge and belief well and faithfully surveyed, and the corner monuments established according to the instructions furnished by the Commissioner of the General Land Office

Theodore Nelund
Woodsman

Subscribed and sworn to before me this 1st day of June 1896.

Willard W. Alt
U.S. Surveyor

9/44

I hereby certify that I assisted Willard W. Alt- U.S. Surveyor, in surveying all those parts or portions of the North and East boundary of Townships 23 N, Range 38 and 39 W, the East boundary of Township No. 24 N, Range 38 and 39 W. and the North boundary of Township No. 23 N, R 37 W of the 6th Principal Meridian State of Nebraska, 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 my Knowledge and belief well and faithfully surveyed and the corner monuments established according to the instructions furnished by the Commissioner of the General Land Office

Theodore Nelund
Woodsman

Subscribed and sworn to before me this 1st day of June 1896

Willard W Alt
U S Surveyor

10/45

11/46

I hereby certify that I assisted Willard W. Alt, U.S. Surveyor in surveying all those parts or portions of the North and East boundary of Townships No. 21 and 22 N Range 39 W, of Township No 21, 22 and 23 N. Range 40 W, the East boundary of Township No. 23 and 24 N Range 37 W. the East-boundary of Township No. 24 N, Range 40 W. and the North boundaries of Fractional Townships No 21, 22 and 23 North, Range 41 W, of the 6th Principal Meridian, State of Nebraska, which are represented in the foregoing field notes as having been surveyed by him and under his directions: and that said survey has been in all respects to the best of my knowledge and belief well and faithfully surveyed, and the corner monuments established according to the instructions furnished by the Commissioner of the General Land Office.

James G. Gunn, Flagman

Subscribed and sworn to before me this 8th day of September 1896

Seal.

J. Gunn.
Notary Public
My Comm. exp. Sept 18. 1896

12/47

~~Vol 768~~ Field Notes
Data lacking
Vol 768 - Oaths of Assists & Surveyors

Vol 769 - Pg 55 & 56 no oaths
69 — " "
97 — " "
105 — " "
125 — " "
139 — " "
174-5 " " no description - blank signed
188 - no oaths
206 - " "
217 " "
234 " "
256 " "
262 " "
282 " "
304 see R 38
316 no oaths
336 " "
9 no oaths
770 - 28 " "
28 " "

13/48

Final Oaths of Deputy Surveyors and their Assistants.

LIST OF NAMES.

A list of the names of the individuals employed by Willard W. Alt ~~[illegible]~~, United States ~~Deputy~~ Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the re survey of the East and North boundaries of Townships No 21, 22 and 23 North, Ranges 39 and 40 West, and the North and East boundaries of Townships 23 North Ranges 37 and 38 W, and the East boundaries of Townships 24 North, Ranges 37, 38, 39 and 40 W, and the North boundaries of Fractional Townships 21, 22 and 23 North Range 41 West of the 6th principal Meridian in the State of Nebraska showing the respective capacities in which they acted:

Sidney Blunt, Chainman.
Clarence P Haggard, Chainman.
James G. Gruner, Flagman ~~Moundman.~~
James C Rosengren, Moundman.
Theodore Neeland, Moundman ~~Axman.~~
Theodore Neeland, Flagman ~~Axman.~~
, Flagman.

seal

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Willard W. Alt, United States ~~Deputy~~ Surveyor, in re surveying all those parts or portions of the East and North boundaries of Townships No 21, 22 and 23 North, Ranges 39 and 40 West, the North and East boundaries of Townships 23 North Ranges 37 and 38 West, the East boundary of Townships 24 North Ranges 37, 38, 39 & 40 West and the North boundaries of Fractional Townships 21, 22 and 23 North, Range 41 West of the 6th principal Meridian in the State of Nebraska ~~of the base and meridian, of, which~~ are represented in the foregoing field notes as having been re 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~~ Commissioner of the General Land Office.

Clarence P Haggard, ~~Chainman.~~
Sidney Blunt, ~~Chainman.~~
James Gruner, ~~Moundman.~~
James C. Rosengren, ~~Moundman.~~
Theodore Neeland, ~~Axman.~~
, ~~Axman.~~
, ~~Flagman.~~

Subscribed and sworn to before me this 11th day of December, 1895.

SEAL

E E Lowe
County Clerk in and for Grant Co. Neb.

14/49

Final Oath of United States Deputy Surveyor.

I, Willard W. Alt, United States ~~Deputy~~ Surveyor, do solemnly swear that, in pursuance of instructions received from the Commissioner of the ~~United States Surveyor General for~~ General Land Office, bearing date of ~~the~~ March 8th and May 4th, 1895, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the Commissioner of the ~~United States Surveyor General for~~ General Land Office, the ~~Manual of~~ Surveying Manual ~~Instructions,~~ and the laws of the United States, re surveyed all those parts or portions of North and East boundaries of Townships 21, 22 and 23 N., Range 40 W. Townships 21, 22 and 23 N. Range 39 W. Township 23 N. Range 38 W. Township 23 N. Range 37 W. the E. boundary of Townships 24 N. Ranges 37, 38, 39 and 40 W. and the North boundaries of Townships 21, 22 and 23 N. Range 41 W. of the 6th ~~of the base and~~ principal meridian, in the State of Nebraska, which are represented in the foregoing field notes as having been re 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 Manual ~~Instructions~~, and the special written instructions of the Commissioner of the ~~United States Surveyor General for~~ General Land Office 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.

Willard W. Alt
United States ~~Deputy~~ Surveyor.

Subscribed ~~by said~~, United States ~~Deputy Surveyor,~~
and sworn to before me this 12th day of September, 1896.

SEAL

Cyrus Satterlee
County Clerk

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. 23 North Range No. 37 West of the 6th principal meridian State of Nebraska and 23 N. Range [illegible] principal meridian in the State of Nebraska.

executed by Willard W. 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 survey ~~in~~ of Exterior lines, 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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General Land Office • Original Field Notes

Book Number

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W.W. Alt - North boundary T 23 N, R 37 W

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