General Land Office • Original Field Notes

Book Number

774

W.W. Alt - North & East boundaries T 22 N, R 34 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.

Ex Ok RH, 7-3-1900

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1900

Filed with letter from W. W. Alt, U.S. Surveyor, dated April 30, 1900.

FIELD NOTES

OF THE SURVEY OF THE

North and East Boundary of Township No. 22 North, Range 34 West

Of the 6th Principal Meridian, State of Nebraska

AS SURVEYED BY

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

Under his Contract ~~No.~~ ——, dated April 17, 1899

Survey commenced June 15, 1899

Survey completed June 16, 1899

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NAMES AND DUTIES OF ASSISTANTS.

Arthur H Mielenz, Chainman
Archie J. Stratton, "
Eugene C Paine, Flagman
Daniel H Templeton Monudman

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INDEX DIAGRAM.

N. and E. Boundary

Township 22, *Range* 34

2	3	3	4	5	5	
6	5	4	3	2	1	10
7	8	9	10	11	12	10
18	17	16	15	14	13	9
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31	32	33	34	35	36	7

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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 over 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

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North boundary T 22 N. R 34 W

Chains		
	At the old Cor of T 22 and 23 N R ~~34~~ 33 and ~~35~~ 34 W, which is an Oak Post 4 ins sq. 12 ins above ground marked.	looks like error see closing 6 mi W
	T 23 N. S 31 on NE	
	R 34 W S 6 on SE	
	T 22 N. S 1 on SW and	
	R 35 W S 36 on NW faces with 6 notches on each edge with pits 24 ins sq dug on each line N. E and W 4 ft dist and S of post 8 ft dist and with mound S of Cor — at 2.30 Central Standard time, I observe Polaris at Eastern Elongation in accordance with instructions in the manual and mark a point on the line thus determined by tack in stake 3 Chs N of Cor — at 7.30 AM I lay off Azamuth of Polaris 1°39' to West — reverse my telescope and mark the true meridian thus determined by a tack in an Ash stake firmly driven in ground 6.80 Chs S of Corner — The magnetic bearing of the true Meridian is N 12°55' West the angle thus determined reduced by the table on page 100 of the manual gives the mean magnetic declination 12°50' E.	
	June 15th 1899	✓
	From the Township Cor I run	
	West on tangent through Sec 1	
40.00	Set temp 1/4 sec Cor on tangent	
80.00	N 1 lk from tangent Set temp Cor Secs 1. 2. 35 and 36	✓
	S 89°59' W on tangent through Sec 2	
40.00	N 2½ lks from tangent Set temp 1/4 Sec Cor	
80.00	N 3½ lks from tangent Set temp Cor of Secs 2, 3, 34 and 35	✓
	S 89°59' W on tangent through Sec 3	
40.00	N 6 lks from tangent Set temp 1/4 Sec Cor	
80.00	N 8¼ lks from tangent Set temp Cor of Secs 3. 4. 33 and 34	✓

North boundary T 22 N., R 34 W.

Chains	
	S 89° 58' W on tangent through Sec 4
40.00	N 11 lks from tangent Set temp 1/4 Sec Cor
80.00	N 14 lks from tangent Set temp Cor of Secs 4, 5, 32 and 33
	S 89° 57' W on tangent through Sec 5
40.00	N 18 lks from tangent Set temp 1/4 Sec Cor
80.00	N. 23 lks from tangent Set temp Cor of Secs 5, 6, 31 and 32
	S 89° 56' W on tangent through Sec 6
40.00	N 27 lks from tangent Set temp 1/4 Sec Cor
79.00	N 33 lks from tangent Set temp Cor of T 22 and 23 N R 34 and 35 W which falls South 2.58 chs from Cor of Tps 22 and 23 N. R 34 and 35 W. The true bearing of the line will therefore be N 89° 42' E and the temporary corners will be set North by offsets decreasing 2.1/2 lks for each 1/2 mile
	S 89° 42' E on true line bet Secs 6 and 31
	Ascends over broken ground
7.00	Ridge N and S descend along SE slope
30.00	Bottom descent thence along S slope
39.00	Deposit Charred stake 12 ins in ground for 1/4 Sec Cor dug pits 18×18×12 ins E and W of Cor 4 ft dist and raised a mound of earth 3 1/2 ft base 1 1/2 ft high over deposit. In E pit drove a Cedar Stake 2 ft long 2 ins sq 12 ins in ground marked 1/4 S on W face.
49.00	Descends along NE slope gradually
79.00	Deposit a Charred stake 12 ins in 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 mounds of earth 4 ft base 2 ft high over deposit In NE pit drove an Oak Stake 2 ft long 2 ins sq 12 ins in ground marked

North boundary T 22 N., R 34 W.

Chains	
	T 23 N. S 32 on NE R 34 W, S 5 on SE T 22 N, S 6 on SW and S 31 on NW faces with 5 notches on E and 1 notch on W edge.
	S 89° 42' E on true line bet Secs 5 and 32
	Descends gently NE slope
27.00	Bottom descent, ascends W slope hills
36.00	Top of ascent over rolling ground
40.00	Deposit marked magnesia stone 12 ins in the ground for 1/4 Sec Cor. dug pits 18×18×12 ins E and W of Cor 4 ft dist and raised a mound of earth 3 1/2 ft base 1 1/2 ft high over deposit In E pit drove a Cedar stake 2 ft long 2 ins sq 12 ins in ground marked 1/4 S on W face
43.00	Descends E slope
50.00	Bottom descent in basin
63.00	Ascends gently
80.00	Set a Cedar post 3 ft long 4 ins sq with Charred stake 24 ins in the ground for Cor of Secs 4, 5, 32 and 33 marked T 23 N. S 33 on NE R 34 W S 4 on SE T 22 N S 5 on SW and S 32 on NW faces with 4 notches on E and 2 notches on W edge dug pits 18×18×12 ins in each Sec 5 1/2 ft dist and raised a mound of earth 4 ft base 2 ft high west of Corner
	S 89° 42' E on true line bet Secs 4 and 33
	Over low hills. ascends gently
10.00	Top - Descends gently
25.00	Bottom - ascends gently
40.00	Deposit a charred stake 12 ins in the ground for 1/4 Sec Cor dug pits 18×18×12 ins E and W

North boundary T 22 N., R 34 E.

Chains	
	of Cor 4 ft dist and raised a mound of earth 3½ ft base 1½ ft high over deposit
70.00	Top of low ridge. thence along S face low hills over low ridges.
80.00	Deposit Charred stake 12 ins in the ground for Cor of Secs 3, 4, 33 and 34 dug pits 18×18×12 ins in each Sec 4 ft dist and raised a mounds 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 grounds marked T 23 N S 34 on NE R 34 E S 3 on SE T 22 N S 4 on SW and S 33 on NW faces with 3 notches on E and Wedges

S 89° 42' E on true line bet Secs 3 and 34
Over rolling ground on S face low hills

5.00	Trail to from Course NW and SE. ascends gently
40.00	Deposit Charred stake 12 ins in ground for ¼ Sec Cor dug pits 18×18×12 ins E and W of Cor 4 ft dist and raised a mounds of earth 3½ ft base 1½ ft high over deposit In E pit drove a Cedar stake 2 ft long 2 ins sq 12 ins in grounds marked ¼ S on N face
80.00	Set an Oak Post 3 ft long 4 ins sq with Charred stake 24 ins in the ground for Cor of Secs 2, 3, 34 and 35 marked T 23 N. S 35 on NE R 34 W, S 2 on SE T 22 N, S 3 on SW and S 34 on NW face with 2 notches on E and 4 notches on W edge dug pits 18×18×12 ins in each Sec 5½ ft dist and raised a mound of earth 4 ft base 2 ft high west of Cor

North boundary T 22 N., R 34 E.

Chains	
	S 89° 42' E on True line bet Secs 2 and 35 along S face low hills, descends gently
7.20	Trail to Mullen Course NE and SW
	Ascends along NW slopes hills
23.00	Top of ascent along N face
29.00	Descends gradually along NE slope
40.00	Deposit Charred stake 12 ins in ground for ¼ sec Cor dug pits 18×18×12 ins E and W of Cor 4 ft dist and raised a mounds of earth 3½ ft base 1½ ft high over deposit In E pit drove a Cedar stake 2 ft long 2 ins sq 12 ins in grounds marked ¼ S on N face.
65.00	Bottom descent, over rolling grounds
80.00	Deposit Charred stake 12 ins in the grounds for Cor of Secs 1, 2, 35 and 36 dug pits 18×18×12 ins in each Sec 4 ft dist and raised a mounds 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 grounds marked T 23 N S 36 on NE R 34 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

S 89° 42' E on true lines bet Secs 1 and 36
Over rolling ground

40.00	Deposit Charred stake 12 ins in ground for ¼ Sec Cor dug pits 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 a Cedar stake 2 ft long 2 ins sq 12 ins in the ground marked ¼ S. on N face
60.00	Ascends W sloped range, gradually
80.00	The Cor of T 22 and 23 N R 33 and 34 W

June 15, 1899

East boundary T 22 N., R 34 W.

Chains	
	As the west boundary of this township is 482.36 Ch and the bearing of the North boundary S 89°42' E the theoretical length of East boundary will be 482.36 - 2.58 = 479.78 therefore from the Cor of T 22 and 23 N., R 33 and 34 W., I run S on random line setting temporary corners as per instructions
	S bet Secs 1 and 6
39.78	Set temp 1/4 Sec Cor
79.78	Set temp Cor of Secs 1, 6, 7 and 12
	S bet secs 7 and 12
40.00	Set temp 1/4 sec Cor
80.00	Set temp Cor of Secs 7, 12, 13 and 18
	S bet Secs 13 and 18
40.00	Set temp 1/4 sec Cor
80.00	Set temp Cor of Secs 13, 18, 19 and 24
	S bet secs 19 and 24
40.00	Set temp 1/4 sec Cor
80.00	Set temp Cor of Secs 19, 24, 25 and 30
	S bet Secs 25 and 30
40.00	Set temp 1/4 sec Cor
80.00	Set temp Cor of Secs 25, 30, 31 and 36
	S bet Secs 31 and 36
40.00	Set temp 1/4 sec Cor
80.02	Intersect Dismal River Correction line at a point 50 Lks west of the temporary Cor of T 21 and 22 N. R 33 and 34 W where I set an Oak Post 3 ft long 4 ins sq with a Charred stake 24 ins in the ground for Cor

East boundary T 22 N., R 34 W

Chains	
	of T 21 and 22 N., R 33 and 34 W marked T 22 N., S 31 on NE R 33 W. S 6 on SE T 21 N S 1 on SW and R 34 W S 36 on NW faces with 6 notches on each edge - dug pits 24 x 24 x 12 ins on each line N, E and W 4 ft and S of Post 8 ft dist and raised a mounds of earth 5 ft base 2½ ft high S of Cor. The temporary Corners should be moved South 2 links
	North bet Secs 31 and 36 —
	Over rolling ground
18.00	Ascend abrupt S slope hills
31.60	Top of ascent 100 ft over broken ground
40.00	Deposit a Charred stake 12 ins in the ground for 1/4 Sec Cor dug pits 18 x 18 x 12 ins N and S of Cor 4 ft dist and raised a mounds 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 1/4 S on N face
46.00	Descend N slope gradually
61.91	Bottom descent over rolling ground at wire fence, Course about E and W
80.00	Deposit Charred Stake 12 ins in the ground for Cor of Secs 25, 30, 31 and 36 dug pits 18 x 18 x 12 ins in each Sec 4 ft dist and raised a mounds 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 22 N. S 30 on NE R 33 W S 31 on SE S 36 on SW and R 34 W S 25 on NW faces with 1 notch on S and 5 notches on N edge

East boundary T 22 N., R 3 & 4 W.

Chains	
	North bet Secs 25 and 30
	Over rolling ground
17.00	Ascend gently over low broken hills
30.60	Top 50 ft over very broken ground
40.00	Deposit Charred stake 12 ins in the ground for 1/4 Sec Cor dug pits 18×18×12 ins N and S of Cor 4 ft dist and raised as mounds 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 1/4 S on W face
42.50	Descend gradually
49.00	Bottom descent, 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 19, 24, 25 and 30 marked T 22 N., S 19 on NE R 33 W., S 30 on SE S 25 on SW and R 34 W. S 24 on NW faces with 2 notches on S and 4 notches on N Edge - dug pits 18×18×12 ins in each sec 5½ ft dist and raised a mound of earth 4 ft base 2 ft high. W of Cor.

North bet secs 19 and 24
Ascend over broken ground

19.00	Top 40 ft, over broken ground
31.00	Descend N Slope
40.00	Deposit Charred stake 12 ins in the ground for 1/4 sec Cor. dug pits 18×18×12 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 1/4 S on N face
49.90	River Trail Course E and W
52.50	Descend River bank
55.70	Dismal River 30 lks wide flows E
	Ascend S slope

East boundary T 22 N., R 3 & 4 W.

Chains	
69.70	Top of over bluff - ascend S slope hills
80.00	Deposit Charred Stake 12 ins in the ground for Cor of Secs 13, 18, 19 and 24 - 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 ground marked T 22 N, S 18 on NE R 33 W, S 19 on SE S 24 on SW and R 34 W & 13 on NW faces with 3 notches on N and S edges -

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North bet Secs 13 and 18
Ascend over very broken ground

11.90	Top 150 ft above river, descend gently
24.70	Wire fence Course NE and SW.
32.00	Ravine E and W at bottom descent, over very broken low hills
40.00	Deposit a Charred stake 12 ins in the ground for 1/4 sec Cor dug pits 18×18×12 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 1/4 S on W face
	Ascend over low hills
57.00	Top - Descend N slope
72.00	Enter rolling ground
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 22 N, S 7 on NE R 33 W, S 18 on SE S 13 on SW and R 34 W, S 12 on NW face with 4 notches on S and 2 notches on N edge. dug pits 18×18×12 ins in each sec - 5½ ft dist

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East boundary T 22 N. R 34 W.

Chains	
	and raised a mound of earth 4 ft base 2 ft high. W. of Cor
	N bet secs 7 and 12
	Over rolling ground
9.00	Ascends over low hills
20.00	Top of ascent, thence along E face low hills over broken ground
40.00	Deposit Charred stake 12 ins in ground for 1/4 Sec Cor dug pits 18×18×12 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 ground marked 1/4 S on W face
	Descends over low hills.
79.00	Bottom descent.
80.00	Deposit a Charred stake 12 ins in ground for Cor of Secs 1, 6, 7 and 12 dug pits 18×18×12 ins in each sec 4 ft dist and raised a mounds 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 grounds marked T 22 N. S 6 on NE R 33 W. S 7 on SE S 12 on W and R 34 W S 1 on NW faces with 5 notches on S and 1 notch on N Edge

North bet secs 1 and 6
Over rolling ground
20.50 Trail Course E and N
28.00 Ascends along S slope hills
40.00 Deposit Charred stake 12 ins in the ground for 1/4 Sec Cor dug pits 18×18×12 ins N and S of Cor 4 ft dist and raised a mounds of earth 3½ ft base 1½ ft high

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East boundary T 22 N R 34 W

Chains	
	over deposit
	In S pit drove an Oak Stake 2 ft long 2 ins sq 12 ins in ground marked 1/4 S on W face
	Ascend gently along SW slope
71.00	Top of ascent along W face hills
79.80	The Cor of T 22 and 23 N R 33 and 34 W

The North boundary of this Township passes over rolling and broken ground along the top and slopes of nearly regular ranges of hills - the east boundary is very rough and broken for a distance N and S of River - and runs over regular ranges of high hills with narrow basin like valleys between.

The vegetation consists of sand grass - with scattering growth of pines on River bottom

Soil sandy 4th rate

and unfit for cultivation

Boundaries of T 22 N R 34 W

Lines Designated	True Bearing	Distances	Latitude N	Latitude S	Departure E	Departure W
Diamal River Correction	W	479.50				479.50
West boundary lines	N	482.36	482.36			
North boundary	S 89° 42'	479.00			2.58	479.00
East boundary	S	479.80		479.80		
Convergency					0.65	
			482.36	482.38	479.65	479.50
				482.36	479.50	
Error in Latitude				0.02		
Error in Departure					0.15	

June 16. 1899

Willard W. Alt
U.S. Surveyor

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 .....

..... 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 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.....

..... 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.

General Land OFFICE OF THE UNITED STATES ~~SURVEYOR-GENERAL~~,

Washington, June 30, 1900, ~~189~~

The foregoing field notes of the survey of North and East Boundary of Township No 22 North, Range 34 West,

executed by Willard W. Alt, U.S. Surveyor under his contract No. —, dated April 17, 1899, 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

~~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 is~~ ....., has been correctly copied from the original notes on file in this office.

.....

6—151 *United States Surveyor General.*

General Land Office • Original Field Notes

Book Number

774

W.W. Alt - North & East boundaries T 22 N, R 34 W

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