

See Sup. plat Secs 3 & 4 T1S R1W Fm
 amended S. 16 by addendum 1684

PLAT
 OF
U. S. SURVEY NO. 805
 OF THE
HOMESTEAD CLAIM
 UNDER ACT OF MAY 14, 1898
 AS AMENDED BY ACT OF MARCH 3, 1903
 OF
ALPHONS ZEHNDER
 SITUATE
 1/4 MILE NORTH OF FAIRBANKS

DISTRICT OF ALASKA

SCALE OF 6 CHS. TO INCH
 VARIATION 30° 45' EAST
 AREA 260.04 ACRES
 AS SURVEYED BY
C. E. DAVIDSON
 U. S. DEPUTY SURVEYOR
 Aug 11 to 13 1909

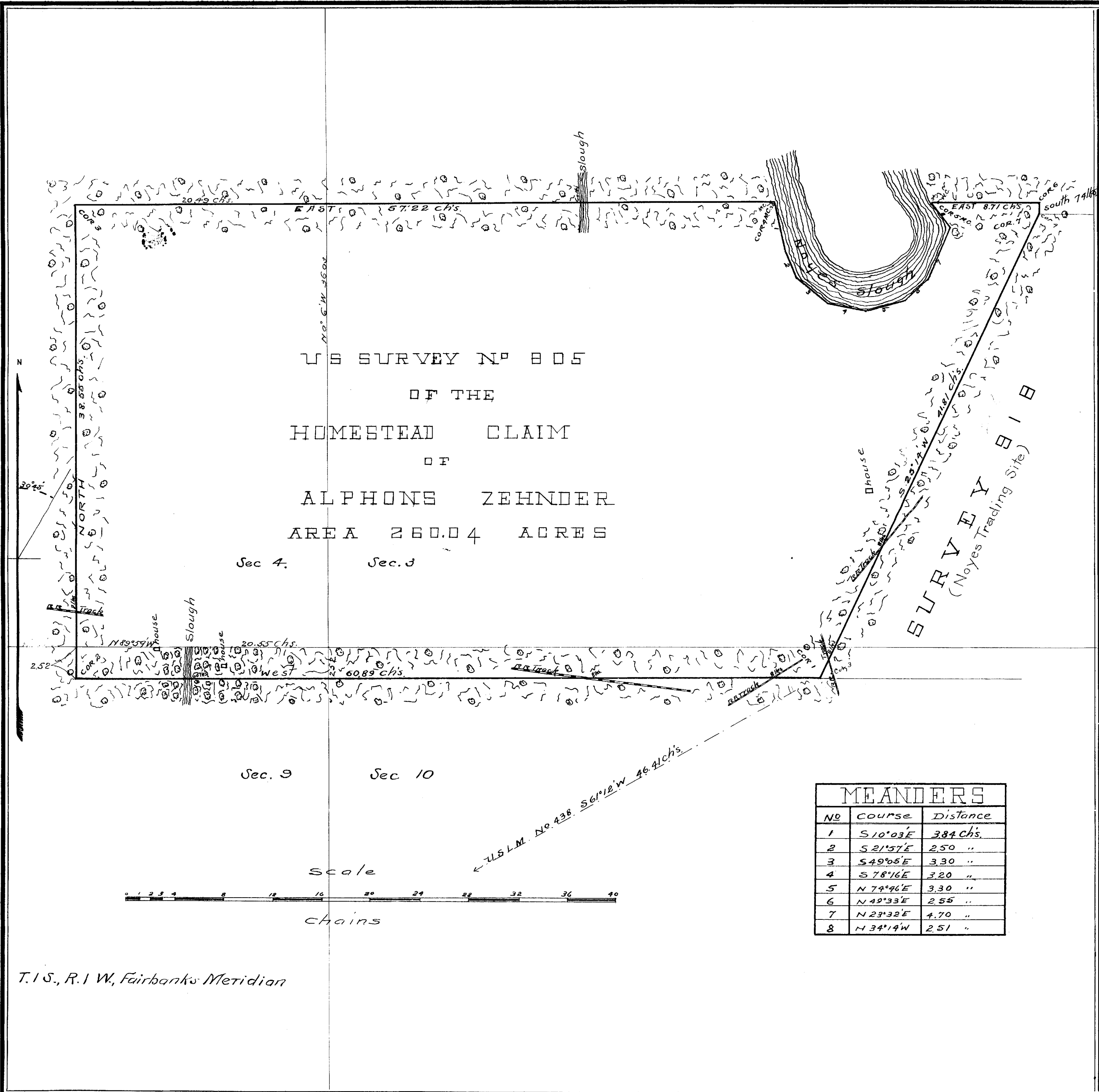
U. S. SURVEYOR GENERAL'S CERTIFICATE

Surveyor General's Office
 Juneau, Alaska, December 15, 1909.

The original field notes of the survey of the
 Homestead Claim of Alphons Zehnder
 from which this plat has been made have been
 examined and approved and are on file in this office; and I
 hereby certify that they furnish such an accurate description of said
 claim as will, if incorporated into a patent, serve fully to identify
 the premises, and that such reference is made therein to natural
 objects and permanent monuments as will perpetuate and fix
 the locus thereof.

And I further certify that this is a correct plat of said
 claim, made in conformity with said original field notes of the
 survey thereof. And the same is hereby approved.

Charles E. Davidson
 Surveyor General of the District of Alaska.



RECEIVED
S. G. O.
→ DEC 13 1910 ←
ANSWERED

F I E L D N O T E S

-of-

U. S. SURVEY NO 808

-of the-

HOMESTEAD CLAIM

-of-

ALPHONS ZEHNDER

Under Act of Congress Approved May 14, 1898.

(Amended March 3, 1903)

Situate

About $\frac{1}{4}$ mile North of Fairbanks,
Fairbanks Land District
District of Alaska,

As surveyed by

CHARLES E. DAVIDSON,
U.S. Deputy Surveyor.

Survey Commenced, August 11, 1909

Survey Completed, August 13, 1909.

::::::::::::

P.O. Address of claimant,

Fairbanks, Alaska.

NAMES AND DUTIES OF ASSISTANTS.

WILL HAUSER,	chairman,
MATTY HARTER,	chairman

Preliminary Oaths of Assistants

In Survey of Alphonse J. Ender Homestead

We Emil Hauser and Math. Harter

do solemnly swear that we will well and faithfully execute the duties of chain carriers; 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 length 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 the Alphonse J. Ender Homestead known as

claimed by Alphonse J. Ender situate within the suburbs Recording District, suburbs Juneau Land District, District of Alaska.

Emil Hauser, Chainman.

Math. Harter, Chainman.

Subscribed and sworn to by the above named persons before me this eleventh day of August, 1909

H. A. Day
Notary Public for
Alaska

I, _____, do solemnly swear that I will well and truly perform the duties of axeman, in the establishment of corners and other duties, according to instructions given me, and to the best of my skill and ability, in the survey of the _____ known as the _____ more fully described in the preceding affidavit.

_____, Axeman.

Subscribed and sworn to by the said _____ before me this _____ day of _____, 190_____

FIELD NOTES OF HOMESTEAD CLAIM SURVEY No. 803

Survey commenced Aug. 11, and completed Aug 13, 1909, and was executed with an A. LEITZ light mountain transit; the horizontal limb having double verniers placed opposite each other, and reading to 1' of arc; and is also fitted with a prismatic eye-piece for taking direct observations of the sun.

The instrument was examined and approved by the U.S. Surveyor General for Alaska.

August 3, 1909, I set transit over corner No. 7 and observe the sun to obtain the meridian:

$$\cos \frac{1}{2} P.Z.S. = \frac{\sqrt{\text{Sine } \frac{1}{2} S \times \text{Sine } (\frac{1}{2} S - \text{co Dec.})}}{\text{Sine Co. Alt.} \times \text{Sine Co. Lat.}}$$

Where S = Co. Dec. + Co. Alt. + Co. Lat.

Time of observation: 2:50 p.m. Aug 3--1909
Latitude: 64° 50' 33"
Approximate Longitude, 148° 45'
Altitude of Sun's center, 34° 41' Turn L. 59° 21" to tree.
Refraction, 1' 24"
True Alt. of Sun's Center, 34° 39' 36"

Co Lat. 25° 09' 27"	A.C. Log Sine .371501 ✓
Co Alt. 55° 20' 24" ✓	A.C. Log Sine .084842 ✓
Co Dec. 72° 31' 04" ✓	Log Sine $\frac{1}{2} S$ 9.987846 ✓
S = 2) 153° 00' 55"	Log Sine $\frac{1}{2} S - \text{Co Dec.}$ 8.842468 ✓
$\frac{1}{2} S =$ 76° 30' 27"	2) 19.286657
	9.643328 ✓

Co Dec 72° 31' 04"
S-co Dec. 30 59' 23" ✓

Log Co Sine 63° 54'
2
127° 48'
59° 21'
187° 09' West of North.
180°
57° 09' E bearing to tree.

I turn R 7° 09' and mark the true meridian by a peg driven in the ground. The magnetic bearing of the true meridian is N. 30° 45' W. which gives the magnetic declination as 30° 45' East.

August 11, 1909, I set transit over point of observation and deflect R. 25° 14' from my meridian established on the 3rd Inst. to Coy No. 1 an iron pipe with cap show

FIELD NOTES OF HOMESTEAD CLAIM SURVEY No. 805

Chains -ing 1 ft above ground, being corner No.3 Sur.No.918, Noyes Trading site, with pits 2 x 2 ft x 18 inches deep on lines of Survey 918, approaching and leaving corner earth and 6 ft. distant and mound of $4\frac{1}{2}$ ft base, $2\frac{1}{2}$ ft high, E of corner.

In addition to marks already on corner, I mark S.805 on side facing homestead, from which cor. a stump 6 inches in diameter bears N.50° 22' E.-36 lks distant, marked S 918 Cor.3, B.T.

A stump 8" diam. bears S.16° 57' W 2.01 chs dist, marked S.918 Cor 3 B.T. U.S.L.M. No.438 bears S.61° 12' W 46. chs dist. No bearings within 3 chains .

.....

Thence West var. 30° 45' East

Over level land, through stumps, scattering timber and underbrush.

4.07 Center R.R. track, 8 lks wide bears N.58° E & S.58° W

19.05 Center R.R. track 8 lks wide bears N.82° 22' W & S.82° E.

46.81 Enter heavy cottonwood & birch timber, bears N & S t

51.44 pt from which S.W. Cor of house 25 x 35 lks bears N.72° 06' E, 2.56 chs dist.

51.65 to slough 60 lks wide, flows north.

55.02 to pt from which the S.E. cor of log house 20 x 35 lks bears N.20° 22' E. 2.40 chs distant.

Leave heavy timber bears N & S; enter scattering timber stumps and underbrush

60.89 to Cor.No.2 an iron pipe capped, 3

ft long, 3 inches in diameter, set 2 ft in the ground.

marked S 805 C2 on side facing homestead, with X on t

at point of intersection, from which an alder tree 5

ches in diam bears N.23° 30' E.13 lks distant.

Marked S.805 C2 B.T.

A spruce 4 inches in diam bears S.17° 35' E, 21 lks.,

marked S.805, C2, B.T.

Land level

Soil, sandy loam, 1st rate

Timber, birch, cottonwood and spruce.

FIELD NOTES OF HOMESTEAD CLAIM SURVEY No. 805

Chains Aug. 12, 1909

Thence North

Over level land through small scattering timber, stumps and underbrush.

5:41 Center R.R. track, bears N. 82° 22' W. & S. 82° 22' E.

38:55 to cor. No. 3, an iron pipe capped, 3 ft long, 3 inches in diameter, set 2 ft in the ground, marked S 805 C3 on side facing homestead with X on top at pt of intersection, from which a birch 5 inches in diam. bears N. 28° 02' W, 2.14 chs dist., marked S 805, C3, B.T. A birch tree 5 inches in diam. bears N. 24° 44' E, 2:10 chs dist marked S. 805, C3, B.T.

Hand level

Soil sandy loam, 1st rate.

Timber, spruce and birch.

.....

Thence East

Over level land, through scattering timber, underbrush and stumps,

41.17 to edge of slough 60 lks wide, flows North,

57.22 to the bank of Noyes slough, not being suitable place to set Cor., set W.C. West 28 lks., an iron pipe capped, 3 ft long 3 inches in diam/ marked S. 805, W.C. 4 on side facing claim, & M.C. on side facing water, with X at point of intersection, from which a spruce 5 inches in diameter bears S. 21° 00' W. 51 lks dist. marked S. 805 W.C. 4, M.C., B.T. A spruce 6 inches in diameter bears N. 31° 40' W. 45 lks dist marked S. 805, W.C. 4, M.C., B.T.

Land level

Soil, sandy loam 1st rate.

Timber, small spruce & birch

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Meanders.

Aug. 13, 1909

Thence along the left limit of Noyes' slough at mean high

3
See page 26, Surveying Program

3,
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Inches
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46.41
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W
.82° 22'
S to
.72°
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on top
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ks., dist

FIELD NOTES OF HOMESTEAD CLAIM SURVEY No.805

Chains water mark, over level land
 S.10° 03' E 3:84 chs.
 S.21° 57' E 2:50 chs
 S.49° 05' E 3:50 chs
 S.78° 16' E 3:20 chs
 N.74° 46' E. 3:30 chs
 N.49° 33' E. 2:55 chs
 N.23° 32' E. 4:70 chs
 N.34° 14' W 2:51 chs to point on bank of Noyes

slough, not being suitable place to establish cor. on a
 count of the liability of being destroyed by ice and hi
 water, set W.C.East 34 lks dist.an iron pipe capped, 3
 long, 3 inches in diameter, set 2 ft in the ground.
 Marked S 805,W.C.5 on side facing claim & M.C. on side
 facing water, with X at point of intersection, from wh
 a willow 5 inches in diameter bears S.8° 07' E., 25
 lks dist., marked S.805 W.C.5m M.C. B.T.
 A willow 4 inches in diameter bears S.57° 30' E., 16 l
 dist. marked S.805,W:C:5, M.C. B.T.

Land along river bank, level.

Soil, sandy loam, 1st rate.

Timber, spruce, birch & willow.

.....

Thence East

8:71 Over level land through scattering timber
 to cor.No.6, an iron pipe capped, 3 ft long, 3 inches
 in diameter, set 2 ft in the ground, marked S.805,C6
 side facing homestead with X at point of intersection
 from which a birch 4 inches in diameter bears N.64°
 W.95 lks dist.

Marked S.805, C6 B.T.

A birch 4 inches in diameter bears N.18° 45' W, 1:22
 chs distant Marked S.805,C6,B.T.

Land level

Soil sandy loam, 1st rate

Timber: spruce and birch.

FIELD NOTES OF HOMESTEAD CLAIM SURVEY No.805

Chains

Thence south.

Over level land, through scattering timber,
 74 to Cor. No.7 identical with Cor.No.4 Noyes Trading site
 Survey No.918, an iron pipe capped , 3 inches in diame-
 ter, one foot above ground, marked S.918, Cor.4 on side
 facing Survey 918 and S.805,C.7 on side facing homestead
 with X at point of intersection, from which a stump 6 in-
 ches in diameter bears S.82° 54' W, 53 lks dist. marked
 S.918 Cor.4,B.T.

A stump 10 inches in diameter bears N.00° 15'E. 1.03
 chs distant, marked S.918 Cor.4, B.T.

A spruce tree 4 inches in diameter bears N.60° 00' W.
 2.08 chs dist., marked S.805,C7,B.T.

A birch 5 ~~times~~ inches in diameter bears S.86° 58' W.
 1.95 chs distant, marked S.805,C7,B.T.

Pits 2 x 2 ft.x 18 inches deep,S.W.& East of cor. and
 6 ft.dist.

Mound of earth 4½ ft base, 2½ ft high, S.E.of Cor.

Land level.

Soil, sandy loam.

Timber, spruce and birch

.....

Thence S.25° 14' W.

Along line 4-3 Noyes Trading Site, Survey No.918, over
 level land, through small scattering timber

27.52 to point from which the S.E.Cor. of Alphons Zehnder's
 cabin bears N.41° 55' W. 2.77 chs dist.

30.03 Center R.R.track 8 lks wide bears S.40° 30' W.& N.40°
 30' E.

40.32 Center R.R.track 8 lks wide, bears N.15° W.& S.15°
 00' E.

41.81 to Cor.No.1, the place of beginning.

Containing an area of 260.04 acres.

Land level.
 Soil, sandy loam, 1st rate.
 Timber, spruce.

GENERAL DESCRIPTION.

This claim is situate about $\frac{1}{4}$ mile north of Fairbanks
The soil is sandy loam.

About four acres have been cleared and sown to potatoe
-es, beets, carrots and turnips.

Most of the timber of commercial value has been re-
moved, leaving the land covered with stumps, small
scattering timber & underbrush.

: : : : : : : : : : : :

NOTE: The corners were marked with steel dies.

: : : : : : : : : : : :

NOTE: In order to determine the course and distance to
U.S.L.M, I ran West 28.46 chains to a point from which
Monument bears S.28° 37' West

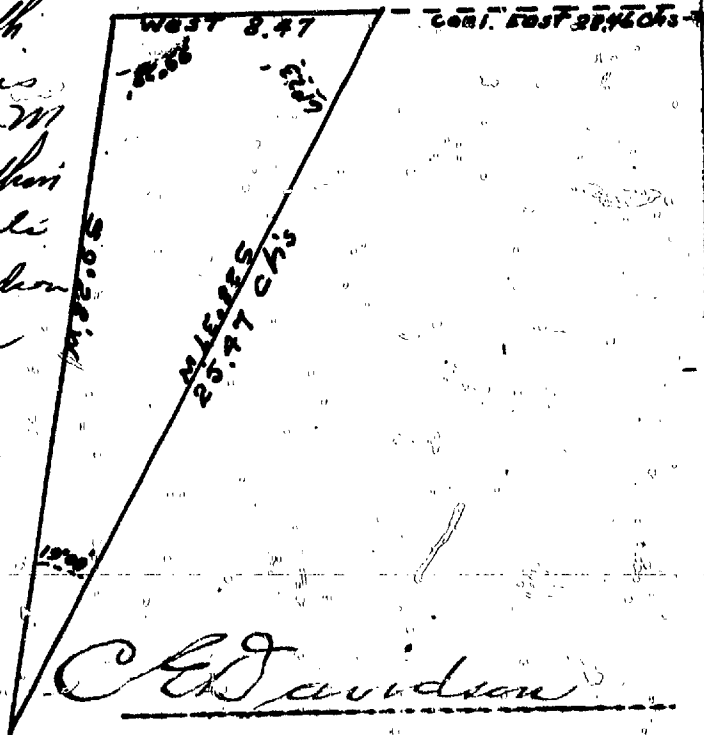
Thence from same point West 8.47 chains to point fro
which Monument bears S.9° 28' W.

Sine 19° 09'; Sine 80° 32'; 8.47 chs.: x

.32804 ; .98638; 8.47 chs.:25.47 required

dist. Thence by Latitude & departures, I find the
course West 28.46 chs; thence S.28° 37' W, 25.47 chs to
mound, giving S.61° 12' W, 46.41 chs course & distance
to monument.

*U.S.L.M. 740 438 with
which this survey is
connected is U.S.L.M.
No 2 Situate within
Fairbanks Township
Charles E. Davidson
U.S. Deputy Sur*



U.S.L.M. 408

U.S. Deputy Surveyor.

Survey No. 805

Tabling and Calculations of Area Homestead Claim

No.	COURSE	DISTANCE	LATITUDES			DEPARTURES		DOUBLE M. D.	N. AREAS	S. AREAS
			North	South	East	West				
	West	6089				6090				
	North	3855	3855		5721	6089	0000			
	East	5722			5722		5721			
	S10°03'E	384	378	67			11509	43504		
	S21°57'E	250	232	93			11669	27072		
	S49°05'E	330	216	249			12011	25944		
	S78°16'E	320	65	313			12573	8172		
	N77°46'E	330	87	318			13204	11487		
	N49°33'E	255	165	194			13716	22631		
	N23°32'E	470	431	188			14098	60762		
	N34°14'W	251	208		141		14145	29421		
	East	871		870			14874		11651	
	South	74		871			15744			
	S25°14'W	4181	3782	1782			13962	528093		
			4746	4747	8013	8012		124301	644386	
			4747	4747	8013	8013		124301	124301	
								2	520083	
								10	260042	
									260042	

Tabling and Calculations of *Traverse from U.S. M. 438 to cor. Sur 803*, Survey No. *805*

No.	COURSE	DISTANCE	LATITUDES		DEPARTURES		DOUBLE M. D.	N. AREAS	S. AREAS
			North	South	East	West			
	N 28° 37' E	2547	2236		1220				
	East	2896			2896				
	S 01° 12' W	4641		2236		4067			
			2236	2236	4066	4067			

4067. Course and dist. to Monument.

Final Oaths of Assistants

In Survey of Alphons Johannes Hoesel

LIST OF NAMES

A list of the names of the individuals employed by E. Davidson

United States Deputy Surveyor, to assist in running, measuring, and marking the lines, corners and boundaries described in the foregoing field notes in the survey of the Alphons Johannes Hoesel

known as Sec 805

claimed by Alphons Johannes Hoesel

situate within the Suburbs Recording District,

Suburbs Land District, District of Alaska, and showing the respective capacities in which they acted.

Emil Hauser, Chainman.

Matth Harter, Chainman.

_____ Axeman.

We, Emil Hauser - Matth Harter

and _____ do solemnly swear that we assisted

E. Davidson U. S. Deputy Surveyor in marking the corners and measuring the boundaries, described in the foregoing Field Notes in the survey of the Alphons Johannes Hoesel

known as Sec 805

claimed by Alphons Johannes Hoesel

situate within the Suburbs Recording District

Suburbs Land District, District of Alaska.

As having been surveyed by said Deputy U. S. Surveyor, and under his direction, and that said survey has been in all respects, to the best of our knowledge and belief, faithfully and correctly executed, and the corner and boundary monuments established according to law, and the instructions furnished by the U. S. Surveyor General for the District of Alaska.

Emil Hauser, Chainman.

Matth Harter, Chainman.

_____ Axeman.

Subscribed and sworn to by the above named persons before me this thirteenth day of

August 1909

A. A. Day
Notary Public for Alaska

Final Oath of U. S. Deputy Surveyor.

I, C. E. Davidson, U. S. Deputy Surveyor for Alaska, under Act approved March 3, 1903, do solemnly swear that in pursuance of the written instructions received from the U. S. Surveyor General for Alaska, I have well, faithfully and truly in my own proper person and in strict conformity with the laws of the United States, the Official Regulations, the Surveying Manual and the instructions thereunder, and the instructions of the U. S. Surveyor General for Alaska, faithfully and correctly executed the survey of the tract of public land in Alaska, claimed by Alphonso Jelander situate about 1/2 mile N.W. of Herby's Juneau Land District, and designated as Survey No. 805 as represented in the foregoing field notes, as having been surveyed by me and under my instructions; and that said field notes accurately show, and in a specific manner describe, the boundaries of said tract, as distinctly marked, established and perpetuated by proper monuments on the ground, that the foregoing are true and original field notes of said Survey and my report therein. That the above mentioned Survey was made by me on the 11th 13th day of August, 1907, that said field notes and the plat or sketch of said Survey hereto attached are true and correct, the said tract of land is not known to contain either coal or the precious metals, that said Survey includes no improvements made by or in possession of another, nor any land to which the Natives of Alaska have prior right by virtue of actual occupation, nor any portion of a townsite; nor any land occupied by a Missionary Station; or reserved, located or occupied by the United States for any purpose; or the U. S. Commissioner for fish and fisheries, or reserved for sale under the provisions of said Act; and that said field notes as given above furnish such an accurate description of said surveyed tract as will, if incorporated into a patent, serve fully to identify the premises, and that said references are made therein to natural objects, permanent monuments and initial points as will perpetuate and fix the exact identity of the said tract so surveyed. And the said Survey does not include more than forty (40) chains of shore line on any navigable water, and that said tract is not within eighty (80) rods of any tract surveyed or claimed under said Act.

C. E. Davidson
U. S. Deputy Surveyor.

Subscribed and sworn to before me this 11th 13th day of August

1907.....

Mark

ZENDER'S HOMESTEAD

Survey No. 805. Oct. 19, 1911.

Examination of Zender's homestead, Survey No. 805 executed
by C. E. Davidson, D. S.

I commence at cor. No. 1, which is an iron post, 4 ins.
in diam., 1 ft. above ground, firmly set; marked cor
No 1 S 805 on N. side of post, witnessed by two pits
36 x 36 x 12 ins; from which

A birch stump, 8 ins. diam., 4 ft. high, bears N. 50°
10' E., 35 lks. dist., marked cor No 1 S 806 B T.

The Astronomical Station bears S. 44° 13' E., 4.52 chs.
Thence I run N. 25° 16' E.

At 41.81 chs., intersect Cor. No. 7, which is an iron
post firmly set, witnessed and marked.

This cor. is also cor. No. 9 for Noyes Millsite, Survey
No. 806, executed by C. E. Davidson, D.S.;

From this cor., cor. No. 6 bears N. 74 lks. dist., which
is an iron post firmly set and marked Cor No 1 S 805;
from which

A birch, 6 ins. diam., bears N. 60° W., 95 lks. dist.,
marked Cor No 6 S 805 B T.

A birch, 5 ins. diam., bears N. 20° W., 122 lks. dist.,
marked cor 6 S 805 B T.

Thence N. 89° 56' W., 8.38 chs., W.C.M.C. on left bank

Noyes Slough, true point for M C 38 links west of W C M C

Oct 19

Oct. 20th, at cor. No. 1, heretofore described, I run W.
along south bdy of homestead.

- 4.16 R.R. Spur to Noyes Saw Mill N & S.
- 14.90 Telephone line, N. 86° 30' W. and S. 86° 30' E.
- 18.89 Tanana Valley R.R., bears N. 86° 30' W., S. 86° 30' E.
- 21.52 Right bank Chena River, bears S. 27 lks.
- 23.55 U.S. Telegraph Line, NW. & SE.
- 24.30 Wagon road, bears NW. & SE.
- 28.53 " " SW. & NE.
- 30.50 U.S. Telegraph Line, bears SW. & NE.

Zenders Homestead - Survey 805.

- 40.32 Intersect N & S line, bet. secs. 9 and 10, 2.53 chs. S.
of cor of secs. 3, 4, 9 and 10, T. 1 S., R. 1 W., FBM.
- 50.00 A cabin bears N. 7° W., 52 lks. to SW cor
- 51.45 Slough, 150 lks. wide, N. 10° W.
- 60.97 Cor. No. 2 bears N. 2 lks. dist, which is an iron post,
4 ins. in diam., 1 ft. above the ground, firmly set;
marked cor No 2 S 805 NE. face; from which
A spruce, 4 ins. in diam., bears S 19° E., 18 lks.
dist., marked cor No 2 S 805 B T.
A birch stump, 3 ft. high, bears N 22° 30' W, 13 lks.
dist., marked cor No 2 S 805 B T
Thence I run N. along W. bdy of homestead
- 2.52 Intersect E & W line bet. secs. 4 - 9.
- 4.37 U.S. Telegraph line E & W
- 5.40 Tanana Valley R.R., bears N 85° W, S 85° E.
- 5.73 Wagon road N 85° W S 85° E
- 38.54 Intersect cor. No 3, which is an iron post, 3 ins. diam.
1 ft. above ground, firmly set; marked cor No 3 S 805
face; from which
A birch, 6 ins. diam., bears N 28° 05' W, 214 lks. dist.
marked Cor No 3 S 805 B T.
Thence I run East along No bdy
- 20.49 Intersect N & S line bet secs 3 & 4 36.03 chs. N 6 W of
cor. of secs. 3, 4, 9 and 10.
- 41.06 Slough 100 links wide C. N.
- 56.95 Intersect W C M C on left bank Noyes Slough, cor. No. 4
a 3 ins. pipe, 1 ft. above ground, marked W C M C No 4
S 805. This cor. is 13 lks. West of the true point.
From which;
A spruce, 6 ins. diam., bears N 31° W, 45 lks. dist.
marked W C M C cor No 4 S 805 B T.
A spruce, 6 ins. diam., bears S 20° W, 51 lks. dist.,
marked W C M C No 4 S 805 B T.
Thence with meanders along left bank Noyes Slough.
S. 12° 15' E. 5 ft. banks 3.87 chs.

S.	S. 21° 57' E.	5 ft. banks	2.50 chs.
BM.	S. 49° 05' E.		3.30 "
	S. 78° 16' E.		3.20 "
	N. 74° 46' E.		3.20 "
st.	N. 49° 33' E.		2.55 "
;	N. 23° 32' E.		4.70 "

To cor. No. 5, heretofore described.

I found distance and alignment good, corner well set witnessed and marked.

These lines I tested from the Astronomical Base line, the initial point is described at the beginning of these notes.

The lines are well blazed and all brush cut out.

I, therefore, recommend that the survey be approved.

W. H. Thorn

U.S. Surveyor.

lian.,
805 SE

. dist.,

W of

No. 4,

No 4

int.

ist.,

st.,

ps.

U. S. SURVEYOR-GENERAL'S CERTIFICATE OF APPROVAL.
OFFICE OF U. S. SURVEYOR-GENERAL.

Juneau, Alaska, *December 15, 1913*

The foregoing field notes of a survey made by
Charles E. Davidson..... U. S. Deputy Surveyor,
of a tract of public land situate *about 1 mile north*
of Fairbanks.....
District of Alaska, claimed by *Alphens Zehnder*.....
..... for entry under provi-
sions of law relating to the acquisition of title
under *U.S. Reclamation Act*.....
.....
have been examined, the necessary corrections and
explanations made, the said field notes and the sur-
vey they describe are hereby approved.

Charles E. Davidson
.....
U. S. Surveyor-General for
Alaska.

WJ