

226

ENGINEERS

OLD BOOK

No. 40015

Note: This book belongs to John W  
 Euro-if lost- finder please  
 Return-at once we may need  
 it badly - you will be helping  
 yourself and the public

Jahmed C. Jenkins  
 Jenkins Minn  
 June 1-1930

### Index

Pine Mountain Lake  
 Reservoir. Pg 1 To 44 inc  
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# Pine Mountain Lake Reservoir Project

6	3	2	1	6	5	1
		11	12	7	8	
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	23	24	# Hochmoosch			
	26	25	30	29		

31		35	36	31	32	33	34	35	36	
6		3	2	1	6	5	4	3	2	1
		10	11	12	7	8	9			
						from				
139-31		15	14	13	18	17	16			139-30
						or				
		22	23	24	19	20	21			
						or				
		27	26	25	30	29	28			
						or				

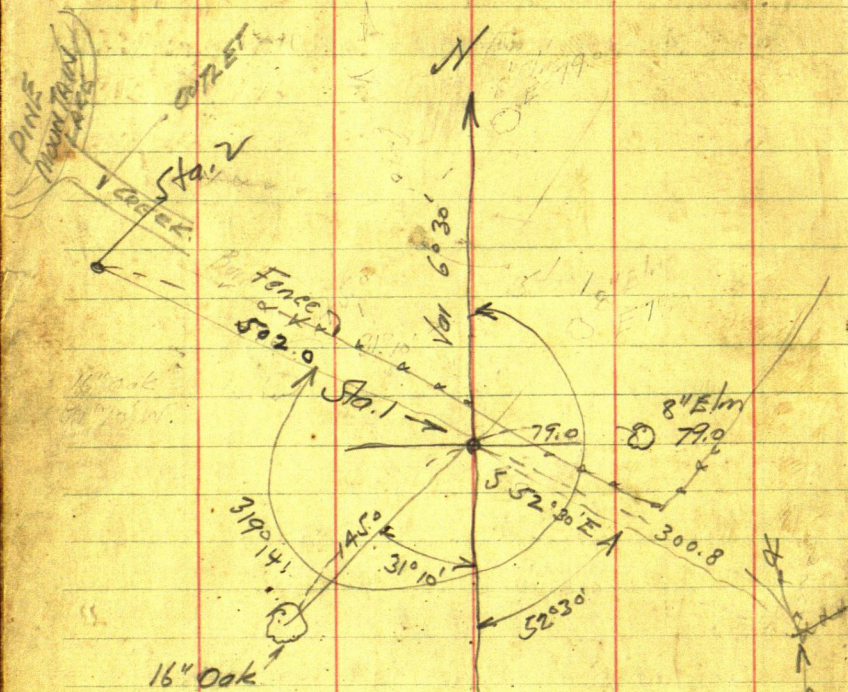
6	4	3	2	1	6	5			1
	9	10	11	12	7	8			

138-31 138-30

31 36 31 30

Isaac Norman

② Sunday June 1930



$531^{\circ} 10' W$   
 $145.0$

$319.0$   
 $180$   
 $139.0$   
 $52.30$   
 $191.44$

Old fence  
cor 116 cor 3

Inst on Sta. 1 F.S. due North

R 319° 14

502

Sta. 2

Inst on Sta. 2 F.S. to Sta. 1

554 = Elev. of water in River assumed

as Datum = 100.0

H. 1 = 105.54

R 191°	160	5.6	Sly side of River	100.0
R 158°	350	5.8	Ely side of lake	100.0
R 138°	500	5.6	" " "	100.0
R 354° 30'	90'	5.5	Sly " " River	100.10
R 6°	210'	5.5	" " " "	100.0
R 1° 30'	295	5.7	" " " "	99.8
R 354°	400'	5.7	Nly side of River	99.8
R 353° 40'	500	5.7	" " " " also	99.8

Elev. of water in River

R 14°	115	4.0	on hard ground	101.5
R 20°	120'	3.2	on hard ground Nly	102.3

pt. of patch of timber

R 13° 15'	177	4.0		101.5
R 13° 20'	240'	2.7		102.8
R 25°	250'	2.45		103.1
R 25°	123	3.4	in Timber	102.1
R 57°	155	3.4	in Timber	102.1
R 85° 30'	230'	2.7	Sly pt. of timber	102.8

4

[105.54] - H. 1

R 97° 20'	330'	2.8	on Dike	102.7
R 94° 40'	265	4.7	low land West of Dike	100.8
R 330° 30'	177	3.3	timber N. of River	102.0
R 313°	190'	2.65	" " " "	103.0
R 291° 40'	182	2.4	" " " "	103.1

Dec - 27 - 1930

last on Sta. 2 F.S. to Sta. 1

R 260° 40' 968.5 Conc. Man on  
shore of lake at SE. cor. of lake.

El. of lake 300 N. of outlet 100.0  
H. 1 [105.75] 5.75

El. top of Man on S. Township line 3.3 102.45

105.5  
2.8  
102.7

6

June 1930 Sunday

Paul - Garold and Doug Lv Emily  
in Doug's Dodge. Reed and I  
meet them at Pine River all drive  
to Bothers via 6 miles West of L N  
Take water leveler and look for  
corner all eat at Restaurant  
PM

continue in rain

Return to Pine River I hand Garold  
\$5. to pay for gas

August 1930

look over flowage prospect Pine  
Mountain Lake

Sept 1930

Gerald - and I set water gage at  
Pine River Dam - Harve helps

8

Sept 16-1930 Tues

Reed and I drive to Horse Shoe Lake  
eat dinner with W. H. Snyder

General Manager Federal Public  
Service Corporation of Minnesota  
at Horse Shoe Club Bldg

Arrange to start at once

Preliminary survey of Pine Mountain  
Lake PM

Look up old survey notes and start for  
St Paul for special notes Bench Marks &  
Sleep at Osseo no charge for today

Sept 17-1930 Wed.

Look up data in St Paul

Reed & I Bench Marks &c

Sept 18-1930 Thurs

St Paul to Sentinel look up old  
notes. Survey lines at Pine Mountain  
Lake Find SECOR 7-139-30 see Field  
Book No. -

Sept 19-1930 Friday ✓

Reed and I all day in jungle at  
Pin Mountain Lake hunting see corners  
FIND  $\frac{1}{4}$  Bat 17-18-139-30 See Book N°

Sept 20-1930 Saturday ✓

Same. FIND NECOR 19- and  $\frac{1}{4}$  Bat  
18-19-139-30 See Book N°

Sept 21-1930 Sunday

Still in Pin Mountain Lake  
Swamps Reed + I no charge for  
today

Sept 22-1930 Monday

Reed and I in Pin Mountain  
Lake Swamps hunt corners  
West side no charge for today  
See Field Book N°

Sept 23-1930 Tues

Reed and I establish SECOR 31-  
139-30 run lines see Field Book N°

Sept 24-1930 Wed

Reed & I locate USMC Point 31  
E side Lake 139-30 See Book  
run lines

Sept 25-1930 Thurs

Reed & I locate SE COR 36-139-31  
run lines see Book N°

Sept 26-1930 Friday

Reed & I locate SW COR 31-139-31  
and run lines see Book N°

Sept 27-1930 Sat

Reed & I locate SW COR 6-138-30  
+ run lines see Book N°

Sept 28-1930 Sunday

Reed & I work see Book N°

Sept 29-1930 Monday

Reed & I work  
see Book N° 1/4 Cor N Sec 18  
18-139-30

Sept 30-1930 Tues

Reed & I work  
see Book N° SECOR 19-139-30

# Time Sheet

Working For Federal Public Service Corp of Minn

Hodson Bldg Mpls W H Snyder Gen Ml

Sept 1930 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

John W. Curo @ 15<sup>00</sup> 1 1 1 0 1 1 1 1 1 0

car \$ 2.50 1 1 1 0 1 1 1 1 0

Expense minn 2 \$ 1 1 1 0 1 1 1 1 0

Reed Curo ant 13 0 1 1 1 1 1 1 1 0

\$ 86.00 pd. 1 1 1 1 1 1 1 1 1 0

\$ 99.50 pd. 1 1 1 1 1 1 1 1 1 0

1 2

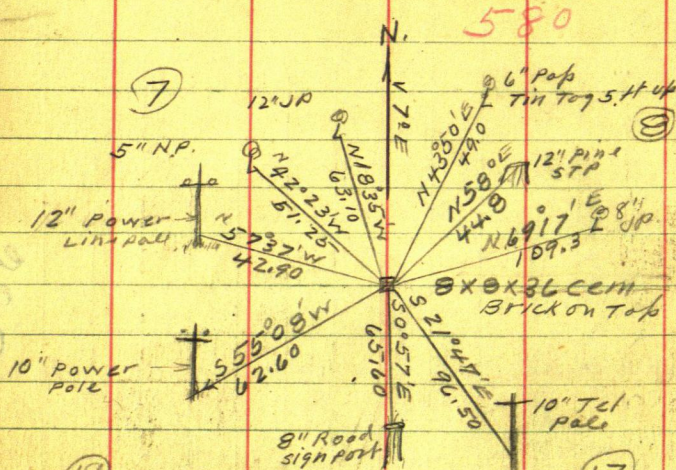
2

11

12

October 1-1930 Wed.

Reed and I at Pine Mountain Lake



(18)

139-30

(17)

7-8-17-18-139-30

Dig up 8x8x36" cement post  
8 inches underground at Moose Zoffke  
cor Brick set end up on top Level  
with ground Heller needle @ 7° Var

JP 8 N 69°17'E 109.30

12" Pine Stump N 58°00'E 44.80

Pop 6 N 43°50'E 49.0 To Tin Top x Nail 5 ft up

JP 12 N 18°35'W 63.10

NP 5 N 42°23'W 51.25

12" Light Pole N 57°37'W 42.90

10" " S 55°08'W 62.60

8" Road sign Post S 50°57'E 65.60

Tel Pole 10 S 21°47'E 96.50

To Flat Spot at base

Var reads 7°

Checked By Reed and I 3-10 PM

Oct 18-1930

Time sheet

Working For

F. P. S. Co. of Minn.

Sept 1930<sup>28</sup>

29 30

Oct 1 2 3

SUN 4 5

6 7 8 9 10 11 12

John W Curro

1 1

1 1 1

- 0 1

1 0

Exp 0

- 0

1 0

Car

0 1 1

1 1 1

- 0 1

1 0

Red Curro

1 1

1 1 1

- 0 1

1 0

5 @ 15 =

car 5 @ 2.50

Red 3 1/2 @ 3-

75.00

12.50

10.50

98.00

30.00

car 5 @ 2.50

Red 3 1/2 @ 3-

75.00

12.50

10.50

98.00

30.00

Red 3 1/2 @ 3-

75.00

12.50

10.50

98.00

30.00

3

98.00

4

43.00

PA

6.41.00

PA

14

Oct 1-1930 contd

Reed and I at Pine Mountain  
lake Set  $\frac{1}{4}$  bet 29-30 139-30

See field Book No. —

Oct 2-1930

Reed and I set

$\frac{1}{4}$  E side. Set 1-138-31

See Field Book No. —

Oct 3-1930

Reed & I Set  $\frac{1}{4}$  W side. Set 1-

138-31 See field book —

Oct 4-1930

Oct 5-1930

Oct 6-1930

Reed and I set NW cor. 12-

138-31 See field book No. —

Oct 7-1930

Oct 8-1930

Oct 9-1930

Oct 10-1930

Oct 11-1930

Reed + I set 4, set 35-36-139-31

See field book N°

Oct 12-1930 Sunday

Oct 13-1930

Reed and I work at Pine Mountain  
Lake See Book #

16

October 14-1930

Reed and I work at Pine Mountain Lake  
See Book N<sup>o</sup>

Oct 15-1930

Oct 16-1930

Oct 17-1930

Oct 18-1930

Reed and I at Pine Mountain Lake  
See Book N<sup>o</sup>

Oct 19-1930

1930 Time Sheet

	SUN	12	13	14	15	16	17	18	SUN	19	20	21	22	23	24	25	SUN	26	27	28	29	30
Oct	0	1	1	-	-	-	-	1	0	-	1	1	1	1	-	1	0	0	1	-	-	-
John W. Curo	0	1	1	-	-	-	-	-	0	-	-	-	-	-	-	1	0	0	-	-	-	-
EXP	0	1	1	-	-	-	-	-	0	-	-	-	-	-	-	1	0	0	-	-	-	-
Cor	0	1	1	-	-	-	-	1	0	-	-	-	-	-	-	1	0	0	1	-	-	-
Road Curo	0	1	1	-	-	-	-	1	0	-	-	-	-	-	-	1	0	0	1	-	-	-
John Rice	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	1/2	0	0	1	-	-	-

18

Oct 20-1930

Oct 21-1930

Reed and I at P.M. Lk See Benth <sup>N<sup>o</sup></sup>

Oct 22-1930 Same See Benth

Oct 23-1930 Same See Benth

Oct 24-1930

Oct 25-1930

Reed and I work see Benth

Rotm C. Rice cut brush 4 H @ 40c <sup>8</sup> 160

Oct 26-1930

Oct 27-1930

Reed and I work on Book No  
John C. Rice 8 Hrs @ 40¢ - \$3.20

Oct 28-1930

Rice 8 Hours @ 40¢ 3.20

Oct 29-1930

Robert C. Rice 8 Hours @ 40¢ 3.20

Oct 30-1930

Reed & I work on Field Book No

Oct 31-1930

20

Nov -1-1930

John C. Rice cut line 8 hrs @ 40¢

\$3.20

Last day for Rice Talit

\$4.40 <sup>pt.</sup> <sub>in 4</sub>

Nov 2-1930

Nov 3-1930

Nov 4-1930

Nov 5-1930

Nov 6-1930

Nov 7-1930

Nov 8-1930

Reed and I work See Book 11<sup>2</sup> \_\_\_\_\_

Nov 9-1930

Nov 10-1930

Nov 11-1930

Reed and I work See Book \_\_\_\_\_

Nov 12-1930

24

Nov 25-1930

Nov 26-1930

Nov 27-1930

Nov 28-1930

Nov 29-1930

Nov 30-1930

Sentin Time sheet N<sup>o</sup> 7. = \$ 82.00

Dec 1-1930 Monday

Dec 2-1930 Tues

Dec 3-1930 Wed

Dec 4-1930 Thurs

Dec 5-1930 Friday

Sent in Statement N: 7. For Nov 1930  
\$ 82.00 Reed and 1 one day

Dec 6-1930 Sat

Reed and 1 one day

26

Dec 7-1930 Sunday

Dec 8-1930 Monday

Reed and I one day

Dec 9-1930 Tues

Reed and I one day

Dec 10-1930 Wed

Dec 11-1930 Thurs

Dec 12-1930 Friday

6-30 PM Alma & Reed auto work

Dr Williams calls

Dec 13-1930 Sat.

Dec 14-1930 Sunday

Dec 15-1930 Monday

Taläl Dec 1 - to 15 = \$83.

Dec 16-1930 Tuesday

Dale Ellis and his car + I bring Amanda  
Mykkanen to work @ \$5 wk she gets supper

Dec 17-1930 Wed

Dec 18-1930 Thurs

28

Dec 19 - 1930 Friday

Dec 20 - 1930 Sat

Dale Ellis is working for me  
@ \$3. a day We use his Ford Coap  
I buy all gas and oil and feed  
Dale when he is here Dale  
slay at his home 3 mi NW of  
Jenkins Reed and JWC Chain  
Reed T H & B - 300' steel pipe  
Bey @ 8x8x36" Cem Mon set  
years ago by John W Ellis @  
SEC or 31-139-30 Chain  
Went along so side of pipe  
300 stakes: 320 R. Bank of creek  
Backus Brook  
325 entire ice Creek open 1 1/4 ft  
(1.3) deep good current run NE  
Sandy bottom swampy shore  
365 Lr Creek Left bank  
run NE solid bottom  
Throw chain over to Dale  
and walk 80 rods around

Dec 20 1930 continued

29

West on road 31-139-30

random line:  $300 + 150 = 450$

slake +  $82.7 = 532.7 = 10''$  Tel Pale

about 2 ft N of random  $450 + 122$

$= 572$  about =  $\frac{1}{2}$  Co road NW SE

$450 + 150 = 600$  slake in cut bank

$450 + 175 = 625.00$  Hut = R.R. spike

Under T.  $625 + 84 = 709. \frac{1}{2}$  M & Z

R.R. drive R.R. spike  $625 + 275 =$

$900.$  slake:  $900 + 199.7 = 1099.7$  Hut

R.R. spike in field about 12 ft N of

E-W-fence:  $900 + 300 = 1200$  slake

$1500 - 1800 - \text{slake} - 49 = 1751.$  Hut

MC. N<sup>o</sup>

Set N  $6^{\circ}10'W = 83^{\circ}10'R.$  22.00 ft

Continue Random

West: @ about 1950 end line: 2100

slake on is 2400 W. Hut R.R. spike

in is Pine Mountain lake

T over Hut 625. W. cement

Wagon Bridge bears  $S 35^{\circ}E 360$

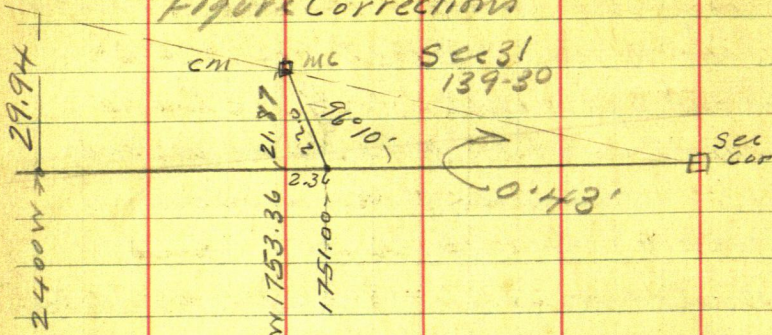
Stadia: Dark at 4-30 PM.

Drive home to Jenkins

Walton makes new life reel.

30

Dec 21-1930 Sunday  
Figure Correction



6°10'

S/MC 10742 X 22.0 = 2.36

COS/MC 99421 X 22.0 = 21.87

$$1753.36 / 21.87 = .124757 N = 0°43'$$

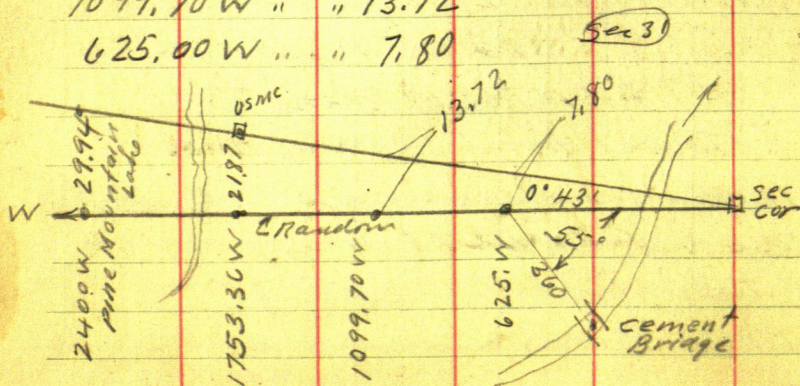
$$\text{Correction} = .124757 - 0.43'$$

2400 W. goes N 29.94

1753.36 W. " N 21.87 OK.

1099.70 W. " " 13.72

625.00 W. " " 7.80



Dec 21-1930 continued

31

Dale Ellis and his Ford sedan  
Drive Reed and I to Bachus.

Reg @ Cor 17-18-19-20-139-30 Ch  
West on True Section line

Bet Acers 18-19-139-30 2x2 oak

$300 + 155 = 455$  W. Lv open

cranberry bog n-s Solid

$600 \text{ stake} + 222.7 = 822.7$  Hub R.R. Sph

900 stake @ about 972 & Co road

$9 + 155 = 1055$  & M & I R.R. n.s.

1200-1500-1800-2100 stakes on  
n sid. graded Turp road

2101.8 Hub R.R. spike 12 ft n ground

2215 stake in line with road and

2290 West brink 2300 stake

2325 foot of slope: ends low land

Solid swamp 2400 stake

$2653.8 = \frac{1}{4}$  Cor Bet 18-19

139-30 = 4x4x6 ft stake True

$\frac{1}{4}$  set by Harry S Todd and

Chas Rice years ago OK.

Old US BTS still here

32 Dec 21-1930 continued

West bet 18-19-139-30

continue West passing thru  $\frac{1}{2}$  x Co  
Tam meadow Salix some timber

2700 stake: 2823 cross crooked two  
wire fence NW-SE 2940 same fence  
NE SW says 25 ft north

3000 stake in Tam swamp - some  
stumps:  $3000 + 161.7 = 3161.70$  W

40  $\pm$  wire spike in so half of 12"  
green Tam stump 3200 stake

3250 enter ice North end Rice bed  
Mouth of Creek 150 ft NW

3300 open water & creek 150 S  
of NE Cor Rice bed

Dale crosses on wire fence throw ch  
over 3325 in and eat tails - gone

$3200 + 300 = 3500$  stake on in 100 ft

So of N end Rice bed Reed & I cross  
Bridge 50 rods N. 3650 Lv Rice

Bed NE SW 3800 stake in

soft bog: 3601. old fence posts  
line north @ 3800 bog runs N

200. Rice bed lies so 75 ft

& Creek 300 so: 4100 stake in  
soft swamp -

Dec 21-1930 cont'd

33

@ 4100 swamp extends N 300 ft  
E creek 250 ft to 4340 L. soft  
swamp - entire higher solid swamp  
lain stumps to 4400 stake  
in cedar swamp. Creek 150 S  
Swamp 300 N. @ 4427 Hub  
3" cedar in swamp. 4700 sth  
in cedar. Creek 300 ft to 4885  
Cris old Two wire fence N-S  
5000 stake in cedar swamp  
 $5000 + 86.6 = 5086.6$  old cedar BT  
stump about 4. ft to

5102.5 old cedar 8" BT stp 6 ft N  
@ 5280 set 4X4X72" cedar post  
5300 W set stake at 5280 W creek  
lies E 143 ft to creek 30 ft wide  
in swamp runs west

Creek runs 350 west then swings  
almost straight south

Nat'l: From Hub 4427 west and  
cut line by eye Quit @ 2-35  
PM. eat our lunch - Meat  
banquets and drive E & N with

Jahnel C. Cress

34

Dec 21-130 continued

Went bet 7-8-139-30 on random-

3.00 PM. Reid-Dale Ellis and I

Beg @ Cement Cor.

7-8-17-18-139-30 ch

Went on random

259. & N PRR. 3-6-9-12 stakes

+ 202.2 = 1402.2 Tall Birch Pole

1410.7 wood Hub 1465 ends

low land 1500 stake 1725 LV

timber ends open meadow

1800 sth - 2100 stake in soft saps

Creek 25 ft wide & N 30 ft

Band of Creek S about 30' & 110 ft

2200 & creek floor S.E

crossed 2400 - sth + 212.1 =

2612.10 Red flag: 2700. 2920

cross new wide sled track from

the South Run N 20 ft then E

@ 3000 sth 3215 W LV Swamp.

NE SW @ 3300 Stake in soil Hill

Quit @ 4-55 PM Sundown

drive home to Jenkins on Lake

John W. Curo

Dec 22-1930 Monday

Figuring

Dale goes to Matley

US Notes Twp Line

139-30 "K" = S W Cor 18.

W Cedar 9" N 77° W 12 Lks = 7.92 Ft

W. Cedar 10 N 39° E 44 " = 29.04 " (OK)

" " 12 S 35° W 20 " = 13.20 "

" " 9 S 43° E 16 " = 10.56

Same Corner as above

139-31 "W" = SE Cor Sec 13.

White Cedar <sup>(9")</sup> 10 S (N?) 77° W 12 Lks = 7.92 Ft

" " 9 N 39° E 44 " = 29.04

" " 12 S 35° W 20 " = 13.20

" " 9 S 43° E 16 " = 10.56

Note: Notes check except:

N.W. Cedar is called "9" in one set of notes and "10" in the other. It stands N.W.

instead of "S.W." as called for in one set of notes.

I find stumps of NW & SE  
 lines plainly marked and the others  
 are still there will look this up  
 later in my old notes

See next Page "36"

36

139-31

139-30

Town Line

5102.5 W

OK

N77W  
7.92 US

N39E 29.04 US

Random

W

4x4x72 ced ant 52900  
set by me

53.5 W 13.2 US

10.56 US  
S43E

OK

5086.6 W

139-31

139-30

37

H

11

12

8

I

139-31

14

13

18

17

K

23

24

19

20

40 4066  
3225  
DeComps  
316845  
LMS

33

26

25

30

29

35

36

31

32

Pine Mountain Lake

2

138-31

6

138-30

5

38

Dec 23-1930

Tuesday  
On plat.

Dec 24-1930 Wed

Dale and his car with me at  
Bachus Art Miller favors  
higher water levels own  
Half mile lake shore so of  
Bachus

John Bailey does not favor  
3 ft raise, but says 8 ft up  
OK.

Look up corner to

Reg @ SE Cor 30-139-30

Corn under grade & EW  
road in line with fence &  
1 ft W of fence so ? then

West on E road bet sec-

30-31-139-30

300 w fin

@

Dec 24-1930 Cont'd

West bet 30-31-139-30

@

@

@ 861 Lat line so

@ 899.4 W West side Bailey stone  
900-910 W Lat line south1010 & M & I RR  $1200 + 110 = 1310$ 

E line of street runs

 $+3 = 1013 W = W. line Bailey res$  $1200 + 220 = 1420 W Iron pipe 33 N$  $1200 + 260 = 1460 West bench$ 

1500 pin R.R. spike not on line

1514 in line with Bailey fence E

1540 to 1550 entire swamp th'

1800-2100 stake  $2350 W = point$   
of Fill for Dock Entire in $2400 - 2700 - 3000 - 3300 - 3600 - 3900$   
stake on in water line

Further values on Page 43.

40

Dec 25-1930 Christmas  
no work  
Alma-Reed and I alone

Dec 26-1930 Friday  
All day in office on maps  
Douglas Town and his  
Dodge car with Paul  
Newshorn arrives from Mpls  
3 PM. work in office on maps  
Paul and Doug get supper  
stay over night with  
Mrs Gladys Crawford at  
Jenkins Car at Almas  
garage

Dec 27-1930 Sat

Paul-Doug and I with Town's  
car drive to Bachus

Take contour lines at outlet  
Pine Mountain lake dinner

and supper with Mrs Matt

Day. PM. Work till dark

See Field Book

Evening! Doug drives Paul + I  
to Senhins where I get letter  
from HARVE CROMBIE local  
Manager dated Dec 26-1930  
calling work off

We all drive back to  
Bachus to gather up tools  
Over nil. with Matt Day

42

Dec 28-1930 Sunday

Paul-Doug and I eat breakfast with Day. Give them my ck \$4.50 in full and drive to Jenkins where we flat up our work.

Dinner at R. D. Lawson Cafe. Reid-Doug-Paul & I

\$1.90 pd by me

Fill Doug's car with gas and they start home to supper at dusk.

## Old Nalis

Scrap paper = nalis kept by me

West Wet 19-30 - 139-30

 $300 - 600 - 900 + 67 = 967 \text{ \& Rood?}$  $900 + 149 = 1049 = \text{\& R.R.}$ 1200 - 1320.4 West of fence  
runs South 1500 - 1800 - 2100 $2400 - 2700 - 140 = 2560$  West  
bank of level land at ridge

2575 W. enter low land

2700 stake in low land Hard  
wood timber L. = 8 to 12" Bass  
wood, Elm - few Oak

2790 West bank of low ridge

2800 stake  $2700 + 300 = 3000 -$  $50 = 2950$  W Bank Original  
Sea wall 3000. Stake on

Brush on sand beach

3035 enter ice &amp; cat tails

3300 Lath stake on ice Pine

Mountain lake 4-10 PM

Meet young Green at Fish Ho  
Nali Mrs Dumont on land of

Wynman Packridge Co. 4-2x also

Dales car - Home to Junction

Dec 24 - 1930

John W Cress

44

Working For Power Company

Jan 1-1931 New Years Day

Home all day in Jenkin-

Alma-Mattie-Reed and I attend  
50<sup>th</sup> Anniversary Golden Wedding of  
Leonard Emery and Carrie Sleeper

Jan 2-1931

Cloudy - cold - North Wind

Downey calls. Copy Field Notes, Pg 12-37

US Notes - 139-31

1 NCN:1 NP 24S 65W 24  
NP 65 86'E 34 #61 For 139-30

2 2 W Birch 10N 50 1/2 W 18 =

WP 18 S 41 W 104 =

3 3 Willow 10N 45W 13

FIR 10 S 62 W 62 =

EIM 8N 5E 53 =

4 4 Fir 14N 48W 20 = #66 For T139-301/4 E Side 24 =  $\odot$  50 90' 65 68 E 32 = V-139-30

W.Cedar 9N 77W 12 = 7.92

NE Cor 24 = K W. Cedar 10N 39 E 44 = 29.04

W.Cedar 12S 35W 20 = 13.20

W.Cedar 9S 43E 16 = 10.56

1/4 N Side Sec 24 = KW @ 1 = NP 30N 4 1/2 E 21 = 13.86

WP 30S 4 1/2 W 112 =

NW Cor 24 " 24S 57 1/2 E 48 =

" 6N 20 1/2 W 92 =

" 20N 27 1/2 E 120 =

NP 16N 9 1/2 W 31 =

1/4 W Side 24 = O.F. 3 NP 18S 71 E 58 =

B. Oak 10S 69 1/2 E 25 =

SW Cor 24 Spr 6N 22 E 28

ASP 8N 16 1/2 W 75 =

only three

①

G. H. DeCamp

24-139-31

Lot 5 and 5 1/2

G. H.

Working For DeCamp 2314

2314

13100 mington

AVE NPLS

October or Nov 1930

I and Reed Call at DeCamp  
collage in W Side Pine Mountain Lake  
Mr and Mrs DeCamp show me where  
they have sold two 50 ft lots or tracts  
of land and agree to pay me \$200  
to crash up Dec 24-139-31

If I plat a part of the lake shore  
I am to have \$350 for plat but  
just now they want only the  
liver and lots surveyed @  
\$200. net. This \$200 will apply  
on the \$350 if ever I plat lot

December about Reed and I  
drive up and find ice nearly  
solid enough we set R.R.  
spike for living NE Cor 24-139-31  
from all 4. old cedar 137 Mc Camps  
plainly marked

Feb 1932

De Camp writes to ask about the survey

Feb 1932 I write him that the survey is progressing fine

Feb 26-1932 Friday

I and my Chevrolet Car with lunch for all pick up Lape Cyrus - Grover Birchett and Dale Ellis cut line.

West bet 24-25-139-31 picket line in cedar swamp. Cut about 80 rods Eat our lunch near Sawyers. Second warm day

I give each \$1. Quit at 5 PM.

Feb 27-1932 Sat

8-30 to Jenkins saws crew & lunch pick up Dale Ellis continues picket

West bet 24-25-139-31

Dale and I walk to NE cor 24-139-31

Ced 9N77W 12 = 7.92

10N39E 44 29.04

12S35W 20 13.20

9S43E 16 10.52

3 G.H. Decamp  
Feb 27-1932 cont'd 24-139-31

47

We find stumps of all 4 trees well  
marked BT. Set Cor by proportion  
using Chain only

Stumps NW-SE 1.30 too far apart

" NE-SW 0.50 to close together

NW-SE stumps  $7.92 + 10.56 = 18.48$

$18.48 \text{ in } 1.30 = .0703 \text{ long}$

New stumps  $7.92 + 0.57 = 8.49$

SE "  $10.56 + 73 = 11.29 \text{ my ch}$

$NE \times SW = 0.50 \text{ short in } 42.24 = .001183 \text{ st}$

$13.20 \times 1183 = 0.16 = 13.04 \text{ SW}$

$29.04 \times 1183 = 0.34 = 28.70 \text{ NE}$

Point for line cor fully 0.10 of foot  
NW of spike set by Reed and I  
Beg a pt

139-31  
NECOR 24

$\angle \approx 70^\circ$

4.80  
3x3 stake 185.  
5095.0  
5280.00 West

Beg @ small stake 4.80 So of TRUE NECOR 24-  
139-31 continue  $\pi$  line

West @ 185. my old 3x3 cedar stake  
marked "5280 W" Note: This line  
passes thru NECOR and  $\frac{1}{4}$  on N side  
See 19 of the East Trwp. and falls  
4.80 ft 20 of NECOR 24-139-31

4

T139-31 Feb 27-1932

West bet 13-24-139-31 contd  
 300-600-900-1200 stakes 1500 Hat  
 1800-2100-stake 5 ft we of & 10 ft log  
 road n-s- in swamp 2300 L<sup>v</sup>  
 Cedar Swamp N-S enter low land  
 2400 stake 2420 L<sup>v</sup> low land  
 Swamp 2532.4 Hat R.R. spikes  
 & main wagon road on ridge  
 n-s- 2572.10 Hat R.R. spikes on  
 2580 enter second swamp n-s  
 2700 stake Out for mile 5 PM  
 all drive to Senkvis  
 Fred Reed has returned by  
 bus-home from St Paul

Feb 28-1932 Sunday  
 All day in Senkvis

Feb 29-1932 Monday  
 Alma receives Telegram from  
 Cora-Luther Reed died 8-15  
 Today. I and some crew  
 with big lunch to Senkvis late  
 Pick up Dale as usual

Time Sheet working for John W Curo on his Contract No. 15 \$200 For survey of land owned by G.H. DeCamp 2314 Bloomington Ave.									
	26	27	28	29	March 1	2	Apr 8		
1932 Feb						Notes of field			
John W Curo. X	1	1	0	1		1	1		
Cor	1	1	0	1			1		
Expense	-	-	-	-		-	-		
Reed Curo	-	-	-	-		?	-		
Lofe Cyrus	pd	pd	0	1	pd	-	1		
Grover Burchell	pd	pd	0	1	pd	-	-		
Dale Ellis	pd	pd	0	1	pd	-	-		

50

6

24-139-31 Decamp

Feb 29-1932 could

West bet 13-24-139-31 cont'd

30-33- + 200 = 3520.5 slake L. tarp N.S.

3520 Foot big Hill N-S. + 188.8

chained E out down Hill = 3688.8

Hut R.R. Spike and red patch

15 ft. W of E. Brink big Hill 50

N Hi + 3 = 3988.8 slake + 74.2

= 4063. = 3" dead pop stump

+ 264.4 = <sup>Y 7' 30"</sup> 4327.4 Hut 20 d Spike

+ 237.6 = 4565. Hut R.R. Spike

+ 278.8 = 4843.8 slake + 237.0

= 5080.80 Hut R.R. Spike

Cut West to about 5300 and

Quit @ 4.15 P.M. Drive home

Call on Leonard + Carrie Emery

Tell them about Death Telegram

As Jenkins at sundown

US Nalis 1/4 Bet 13-24-139-31

also 13-14-23-24-139-31 See pg 44.

John W. Cress

March 1-1932 Tues

⑦

GHD & Camp  
24-139-31

51

Alma Reed and John W. Reed start  
for Decorah Ia. Funeral of Alma's  
father Luther Reed. Borrow \$15 at  
Pequot Bank (Ola Heath Hardy  
will close our house and go home to-day)

Alma calls on Dr Gerber who ad-  
vises her not to go. - Mattie Doughty &  
Mary at Bed - L. to Bed 12 Noon at  
St Paul 3-15 PM. Stay with Ilo  
Heavy snow storm All roads south  
reported bad. or blocked

Evening Call up Cora Baker  
Ilo & I offer to put Alma on train  
she refuses to go

Reed and I sleep at Carlton Hotel  
Jack Kelly by Ch. \$150 Alma on  
cat at apt 22-170 at Summit with  
Ilo & Melvin

Mar 2-1932 Wed

I copy us notes at Natl Capital  
139-31 also 137-25 also 104-30  
Eat with Ilo & cat at 4 PM drive home  
to Jenkins call one minute at Bed  
on Doughty & Mattie John W. Reed

52 March 3-1932 Thurs

Reed resumes school

Note: US Notes copied yes yesterday at St Paul 712

7139-R31 US Notes

Commence work Aug 30-1870 Completed Sept 20 1871

Meanders Completed June-1871

North Bet 25-26 Var 10° 40' E 50 Ent Tammuse

700 Burnt Land NESW. 4000 Set 1/4 Cor Y Birch 8

336E 26 Balsam 7 N 21 E 25 4800 Fir Spruce

7500 Burnt Land 8000 Cor 23-24-25-24 139-31

B.O. 10 S 64 1/2 E 25 SPRUCE 6 N 22 E 28. ASPEN 16 1/2 W 75

East True Line Bet 24-25-139-31 only 3° E

200 LV Burnt Land Enter WP. N-S

1500 LV Pine Ent Oak and Ash N-S

3168 MC. Willow 10 N 45 W 13. WB 10 S 62 1/2 W 62 Aug 30-

North Bet 23-24-139-31 Var 10° 40' E 1870

100. Enter WP & NP 1700 Creek 10 L Wide East

4000 Set 1/4 Cor NP 16 N 9 1/2 W 31. NP 18 S 71 E 58.

8000 Cor 13-14-23-24-139-31 WP 30 S 42 1/2 W 112. ✓

WP 24 S 57 1/2 E 48. WP 6 N 20 1/2 W 92. WP 20 N 27 1/2 E 120

EAST RANDOM Bet 13-24-139-31 Var 12° E 3100 Cedar

Swamp N-S. 4000 Temp 1/4 Cor 8011-25 S of Cor

West on True Line Bet 13-24 S 89° 49' W

4005 Set 1/4 Cor NP 30 N 4 1/2 E 21 WP 12 S 3 1/2 W 45

8011 Cor 13-14-23-24

NORTH Bet 13-14-139-31 Var 7 x x x x x Not copied today

NORTH Bet 22-23-139-31 Var ?

1300 Pond 2000 LV Pond. 3850 Set 1/4 Var Cor

NP 24 S 16 1/2 W 107 No other near 4195 Over Pond

5350 MC. NP 16 N 72 W 55. WB 6 S 25 W 56.

xxx @ 1234 N of Cor 14-15-22-23-139-31. Notes call for MC.

Plot shows 1239 + 2761 = 40.00 Set plot Cor. Var 2 1932

xxx

West True Line Bet 14-23-139-31 Var 11° 25'

4005 Set 1/4 Cor

7436 MC. Note: This was all I copied at St Paul

yesterday

US Notes

John W. Curo

○ See above. Must be 12 chains Not "17"

See also Page 70 creek 8000 of Cor

done June 18-1932

March 21-1932

Rec'd From M.R. Dr. in Air Mail from Harold  
Coronado, Coronado Beach Calif

March 22-1932 Cash check at Pequot

March 23-1932 Pay. Lofe Cyrus - Dale Ellis and  
Grover Burchett Each a check for \$2.00 in  
full for work done at Bochar in De Camp  
survey - checks by "Harold J. Cyrus"

Nat. 35% Lofe for sawing wood at

Ellis Mar 16-1932 There is still small bal  
due them

April 3-1932 Sunday

11:30 AM. Reed and I Lr Alma with  
Arma Ozear at Bochar Drive to Cor

13-14-23-24-139-31

We cut low stumps the last half  
mile Put on chains on old winter  
sled road Heller Tower 5080.80 or  
Chain down Big Hill 219.2 to 5300.  
Red spikes & old road now SE  
Turn 5300

Build fire set temp' cor 25 ft N

and 4 ft 90 N From 16" W stump so

Lake find true BTS. further

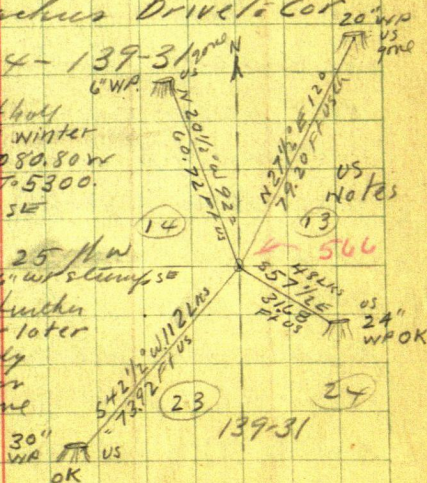
East will set true gold later

Quit 5 AM. Cold cloudy

Pick up Alma at Bochar

Rozzels too bad to come

back



John K. Cyrus

54 April 4 - 1932  
4 inches wet  
too bad to go on

Apr 5 - 1932 To  
Apr 6 - 1932 Ra

April 8 - 1932  
Reed to peguot  
9-30 AM. Lv  
and on to  
Pine Mountain  
Drive to Book  
Lv car at C  
West to Turp  
we cut out  
PM. put on  
Township

795  
T138-139 N

2x48" gate  
Not marked  
previously  
from old  
Heller Tree  
New BTS.

Jack McLawrence  
Jude J Farm  
Packers

Jean McLawrence  
has NE  $\frac{1}{4}$  NE  $\frac{1}{4}$   
lot 2  
lot 1  
see 24 - 139-31

Sept. 20 1957

54 April 4-1932  
4 inches wet  
too bad to go on

Apr 5-1932 T  
Apr 6-1932 R

April 8-1932  
Reed to peg out  
9-30 AM. L  
and on Sun  
Pine Mountain  
Drive to Rock  
L. Car at C  
West to Twp  
we cut out  
PM. put on  
Township

T138-139 N

2x48" gold

Not marked  
previously  
from old C  
Heller Twp  
New BTS. C

NENE  
WNNE  
SWNE  
SENE

NE NW  
Lot 1-2-3

NE  $\frac{1}{4}$  of SE  $\frac{1}{4}$   
except S 28 rods  
of that part lying  
E of Ry.

Lot 4  
Lot 5

all west of Ry. R/W  
in SE  $\frac{1}{4}$  of SE  $\frac{1}{4}$

Sec. 19. 139-30

54 April 4-1932 10 Monday

4 inches wet snow just left mile Roads  
too bad to go into country

Apr 5-1932 Tues Snow all guess off

Apr 6-1932 Rain all day

April 8-1932 Friday

Reed to peguot school on Bus

9-30 AM Lr Jenkins with Lefe Cyros  
and our lunch Try to get to N side

Pine Mountain lake Roads too soft

Drive to Bocher and so to so end of lake

Lr Car at creek outlet and walk  $\frac{3}{4}$  mile  
west to Turf Co. Find old road which

we cut out Eat our lunch at car

PM. put on chains - drive to

Township Corner

T138-139 N R 30-31 west Find

2x48" galvanized iron pipe cap

Not marked set in small mound  
previously set by me Established  
from old OS BTS at the true corner.

Heller Transit run from pipe take  
New BTS. @ 70° or

Turp. Cr.

566

J. P. 11 N 28° 00' E 37.35 Feet

Oak 12 N 35° 50' W 39.40 " T. Aspat

Oak 7 S 63° 05' W 27.65 " at base  
7000

Oak 14 S 9° 40' E 44.90

Focus North @ 7° Var Looking 2 1/2  
Miles North to N. Shore Pine MountainLake Note: My line cuts off point about 40  
feet East of Big Red Barn. 1 1/2 ftE of E Point of limbs on small pine  
tree in the yard only <sup>pine</sup> tree in sight  
also cuts 1 ft E of fence stake near tree  
and hits a white stake which appears  
to be 200 ft North of barn

North on Town line

17.50 @ old road NW SE

93.70 RR spike and red patch N

Brink big hill 100 p.m. Thence

North down Big Hill P.B. Ch

187.3 @ 5" green WP slumps 3 ft Ht.

200. Stake on top <sup>rock</sup> sea wall E W

202 ~ Brink sea wall 4 ft Ht.

210 out in 300 N stake on ice

56

(12)

April 8-1932 continued

Set Red flag 24x24 on 3" white Birch  
pole 6" Ht with 3/4" cross arm at top  
Cor Thend drive to N side of Pine M.  
Lake. find our sight points and to  
avoid cutting trees I work Heller  
Transit 1 1/2 ft East. and set R.R.  
spike and red patch under it

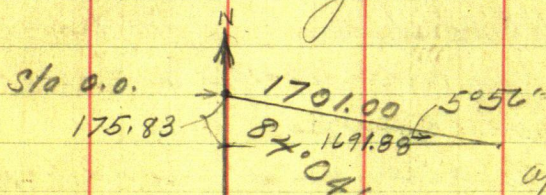
Hub  
o.o { Black Ash L. N 7°50'W 24.40 ft } T. Light  
{ Hard Maple 10 S 77°30'E 7.25 ft } spot at  
var reads. 7°00' O.K. same as at top cor

Focus South 2 1/4 miles across lake

Fed flg at top cor plain sight

Set a row of R.R. spikes from Lake  
shore north into hard wood timber.

Quit 6 P.M. Car stalls in mud  
near R.R. track - John H. Curo



Apr 16-1932

584°04'E 1701. = 5°56'

✓ Sine 10337 x 1701 = 175.83 S

COSIN 99464 x 1701 = 1691.88 E

139-31 (36) (31) 139-30

138-31 Cam Mon (1) (6) 138-30

138-139-30

138 139-31

John H. Curo

(13)

April 16-1932 Saturday

10-30 AM. Reed and I with big lunch  
pick up Lafe Cyrus. 11:30 At N End  
Pine Mountain Heller B.S. on red  
Flag 2 1/2 miles to and run

North on Town Line Random  
Needle still reads 7:30 Cut half  
a mile North to Creek.

Hub o.o. R.R. Spike N Side Pine M. Lake

Ties on Page 56. Focus 2 1/2 M' S. Run

S84°04'E 3-6-9-12-1500 using 298. Feet  
of a 300ft steel tape adding 2. Ft to each  
chain which has broken end. + 201

Call this 201.0 to allow one tenth % P.B.  
and slightly rough ground very care-  
ful chain. 1500 + 201 = 1701. Ft

Set 3x72" white Birch stake and red  
flag set on N Bank P.M. Lake For  
Triangulation purposes.

5 PM. Lofe loads outfit Reed and CG  
North on Town Line o.o. + 49.7 R.R. Spike  
95.8 R.R. Spike Hub 105 & Private Road NW  
300 pin 592.6 Hub = R.R. Spike N Edge  
Field 600 pin. 659.2 Hub R.R. Spike N of  
Fence. 900 Stake. 931.3 Hub R.R. Spike

Twp 139-31 139-39 John H. Caro  
 Cor 138-31 138-39



Apr 17-1932 continued

Intersect line N.T.E.V. Random Town IP

Set R.R. Spike 151.5030 Thence 100. W @ 90

town 100. Hub 2434.5 bears S 27°57'E

FIGURING

$$7^{\circ}29' \text{ Tang } .13136 \times 12880.06 = 1691.92 \text{ VS } 1691.38 \text{ OK}$$

$$7^{\circ}29' \text{ Cot } 761287 \times 169188 = 12880.06 + 175.832$$

$$= 13.055.89 + 93.7 = 13.149.59 \text{ To Sta 00. over}$$

$$\text{Lake} + 2434.5 = 15.584.09 \text{ To sk whl 2434.5}$$

FIGURING

$$27^{\circ}57' \text{ Cot} = 1.88.469 = 188.47 \text{ over creek}$$

$$15.584.09 + 188.47 = 15.772.56 \text{ Hub over creek}$$

$$95/11 \text{ N of creek} + 151.5 = 15.924.06 \text{ To IP E-W line.}$$

$$\text{TO OVER } 15.924.06 \text{ N Cor } 13-18-19-24 - \text{Bears}$$

$$\text{N } 87^{\circ}50' \text{ W } 125.60 \text{ FT}$$

$$87^{\circ}50' = 2.10'$$

$$\text{Sine } 03781 \times 125.6 = 4.75 \text{ N}$$

$$\text{Cosine } 99929 \times 125.6 = 125.51 \text{ W}$$

$$15.924.06 + 4.75 = 15.928.81 \text{ N}$$

$$15.928.81 \text{ N Cor } 13-18-19-24 \text{ L of } 125.51$$

#15.924.06 N Intersect E.V. Random

Set R.R. Spike in wet swamp

Ties turned from E-W Random viz

Tack in base green Ced stump 8" diam

S 7°47' W 27.60 ft: 20 d spikes and

red Patch in top of old 10' ced stp

East 7.38 Ft Turned from E-W

Random SW angle of Random

lines reads 89°55'

Quit at 4-30 PM.

John W. Cress

Figured Apr 19-1937 17

61

15.928.81 into 12551 = .0078794 = 0°27'06" W

15.928.81 my ch

15.840.00 US

88.81 Long =

Each 400 is 7.4 Long

" " 9000 10.46

Section 125.51

corner RR spike

125.51

15.928.81 N

15.924.06 E-W Random

15.772.56 N

95 FT K Creek N.B.R.

6 Creek to S BR creek

40 15.584.09 N

Stake only

Stake and Hub

R.R. spike MKd

2434.50

" "

2145.10

15.294.69 N

"

1514.30

14.663.89 N

"

1011.00

14.160.59 N

"

931.30

14.080.89 N

"

659.20

13.808.79 N

"

592.60

13.742.19 N

49.70 =

13.199.29 N

Section 19 56.

0°27'

00 13.149.59 N

PINE MOUNTAIN LAKE

TRAILING  
Jury Line  
Random

200 N  
Stake on saw well

93.7 N R.R. spike

139-30

Cem New 8x8x36

TW PCOR

138-31

138-50

Jahm W Curo

62. April 18-1932 Monday

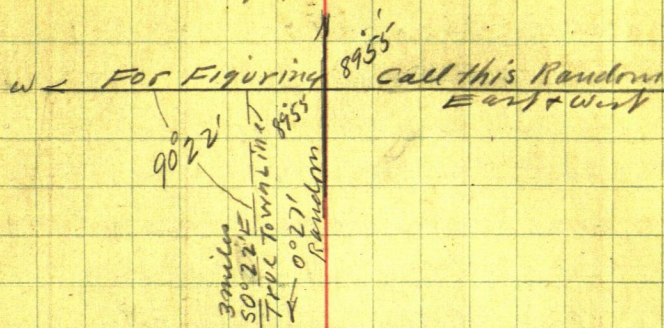
This is my Birthday '61' Today

11 AM Alma and I take Reeds  
lunch to Pegat Sch Ho - Drive to NE 1/4  
Sec 1-136-29. Call on Mrs Ira  
(Louise) Johnston (widow 2 years?)  
Lives with her father Edmund  
Schnell. They are leaving for  
Brainerd Lock my car and go  
with them - (Mattie and Dwight  
flash by on their way to Jenkins)

"Lew" sells her 45 dz eggs @ 8¢ dz and  
we at Schnell res 3-30 PM stay to  
supper at Home in Jenkins 6 PM  
Reed home. Ellsworth Satio home  
from Fresno Calif I eat again  
with Satio family

April 19-1932 <sup>(19)</sup> Tues

Need still to Pegue school I figure  
corrections see pg 61.



Figuring Corrections Page 61

1/4 Cor But 24-19 on Town Line

$$13.200 N + 74 = 13274 N 90 \text{ or } W 104.60' \quad \checkmark$$

N 1/16 But 24-19 - 14520 N 90 or 81.40 to

$$14.601.4 N \text{ and } 115.06 W = N 1/16 \quad \checkmark$$

Forty Corners viz:

$$1327.4 - 2654.8 - 3982.2 - 5309.6 = 1 \text{ mil}$$

$$6637.0 - 7964.4 - 8291.8 = 10619.2 = 2 \text{ mi}$$

$$11946.6 - 13274.0 - 14601.4 - 15928.8 = 3 \text{ mi}$$

64

April 24 - 1932 Sunday

JWC. H & B  $\pi$  300' tape 9-30 AM. Take over  
Lunch Reed and I pick up Frank Bryant  
fr. 13-14-23-24-139-31 Seep 53. Bk 226.

check line West Big fire ahead L. car at  
main road walk West -  $\frac{1}{4}$  mile - check chain  
walk East and eat dinner at car

PM Drive  $\frac{1}{2}$  mile NE See Fitz get water  
drive back - walk half mile West Big fire  
ahead 2-30 PM Too much smoke ahead

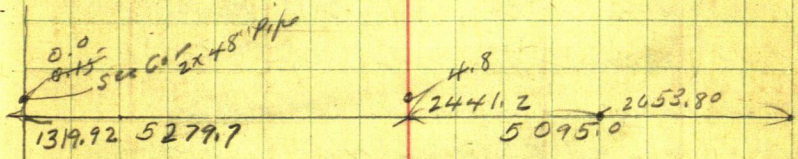
Quit work and go home Call at Fitz-  
imons res also at Sawyer res Miss  
Sawyer says fire must have formed  
up from old fire which was burning  
a week ago here - meet Sawyer return-  
ing from Bocher - drive back to his res

Sawyer say he will report and watch  
that fire will not get into Do Camp Bldgs  
so we return home to Jenkins. See  
Four other fires burning on our way home  
5:15 in full to Bryant

John H. Carr

May 14-1932 Saturday

Alma-Reed and over lunch Pick up  
 Dale Ellis 9-AM to Jenkins 10-10 on  
 Walk west to Cor 13-14-23-24-139-31 Pp 53  
 West bet 13-24-139-31 Town Hat 5080.80  
 + 200.0 - 110 = 198.9 added to 5080.80 =  
 5279.7 Cor 13-14-23-24-139-31 sets  
 North  $0^{\circ}05'$  of a foot Ties 546



Walk East drive to De Camp Cottage  
 Still boarded up Alma Reed Dale & I  
 eat our lunch-drive  $\frac{3}{4}$  mile N and  
 walk west to Ca

13-14-23-24-139-31

Find SW & SE B6 OK

set 2x  $37\frac{1}{2}$  Pipe in East edge of  
 old log road SE and NW-west

New BTS. Turned from True random E

WPins 108  $48^{\circ}50'W$  77.54  $17^{\circ}$

NP 125  $64^{\circ}20'E$  34.52

Paplar 10 N  $76^{\circ}20'E$  30.75

Spine 6 (Newly burned) N  $27^{\circ}25'W$  77.90

726

66

22 GHD camp

May 14-1932 cont'd 139-31

$\pi$  over Cor 13-14-23-24-139-31 "Pm"  
South 90° to Randon

1-2-3-4 sticks at foot of Big Tree 5 sticks  
+ 96.00 and 54.75 = 150.75 = 650.75  
Hub = R.P. spike on top + 49.25 = 700 sticks

June 2<sup>nd</sup> Reed and I return Parker's car  
Reed goes with Marion Walton Cross Lake  
Park and buy Walton's old Ford \$21.

10-30 AM. Reed and his "New" old Ford  
and a lunch Lakes Lake Cyrus Cutler  
South. Wash; They get stuck in mud  
3 hours Burn out rod - Return Walton  
Car to be fixed. 1/2 day for Laff

June 6-7-8-10 Reed and Laff cut  
South Wash 1/2 day June 8.

June Baldue Lake \$5.

June 11<sup>th</sup> at 9:30 AM. I and Reed & Laff  
with Chevrolet and lunch at  
South Bet 23-24-139-31 Hilly Reed & I  
plumb-bob Big 6 sticks 700 So  
872.2 Hub = 2 pins. 1000 sticks 1130 foot of  
hill 2 acre swamp 100 ft SE

# 1932 Time Sheet Working for Myself John & Cousin my \$200

Contract with Geo. H. DeCamp

May	14	June 2	6	7	8	10	11	12	13	14	15	16	17	18	SUN 19	20	21	22	23	24	25	26
John W Euro	1	-	-	-	-	-	-	0	-	-	-	1	1	-	0	-	1/2 pm	-	1	1	-	-
Cor	1	-	-	-	-	-	-	0	-	-	-	1	1	-	0	-	1	-	1	1	-	-
<del>Exp</del>	1	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	-
Reed	1	1/2	1	1	1/2	1	1/2	0	-	1	-	1	1	1	0	-	1	1/2	1	1	-	-
Dale Ellis	1	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0
Alma	?	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	?	?	?	?	-	0
Lafe Cyrus	-	1 1/2	1	1	1/2	1	1/2	0	-	1	-	1	1	1	0	-	1	-	1	1	-	-
Reed's Cor	-	1	1	1	1	1	1	0	-	1	-	-	-	1	0	-	1	1	-	-	-	-
Frank Bryant Jr								0				1	-	-	0	-	-	-	-	-	-	-
Herbert Kemper								0						1	0	-	1	1/2	1	1	-	-

68 JUNE 11-1932 DeCamp

1300 slake 50 ft west of 609

1590.2 Hat = 2 pins. 1600 slake + 209.8 =

1809.8 Hat = 2 pins

1900 slake 2200 slake. 2248.4 Hat =

2 pins Double Center 22 + 181.7 = 2381.7

Hat - 2 pins. 2390 slake. 2400 front of hill

West end of row 2390 - 2343 = 2624.3

Hat 2 pins 2690 pin + 10 = 2700 slake

<sup>2779.10 Hat - 2 pins</sup>  
3000 slake at South end of Cutting

Nat. 1 Left and Reed that they had  
a whole mile cut At 2640 S

$\frac{1}{4}$  Bet 23-24 - 139-31 US Nat.

NP16 N  $9\frac{1}{2}^{\circ}$  W 31 = 20.46 ft

NP18 S  $58^{\circ}$  E 58 = 38.28 "

We look slightly for slumps

11-45 AM Quit and walk  $\frac{1}{2}$  mile

East to road Reed and I get car

All eat lunch at De Camp Pkch

PM. drive home to Jenkins  $\frac{1}{2}$  day

2-30 PM Reed and I drive to Pequot

Bank only. 51 E in Harold's account

4 PM in office

Baldue Life 85.50

Jahm H. Curro

June 12-1932 Sunday

Reed takes Alma

home

I go to Bremer's

Play away all night

June 13-1932 Monday

I go to Memphis - Call on Oscar

Peterson. Dinner with Henry Sabiston

Set 100 on W bank north lake Home at 4 pm

Reed gets up 1 1/2 late to work

June 14-1932 Tuesday

Lafe and Reed cut line so 600 ft. ch

Swamp bet sec 23-24 - 139-31

June 15-1932 Wed

Too hot to work Alma Reed and I

with lunch go to Menliworth farm

Home @ 7:30 pm

June 16-1932 Thurs

Alarm set for 5 am. Alma calls

me at 6:15 AM. 7:30 AM

Frank Bryant - Lafe Cygus

Reed and I with lunch

70 June 16-1932 continued

South bet 23-24-137-31

Gurley T @ 2779.10 S. Chain from  
3000 stake 3200 culm swamp 33 Hobs  
3600 stake 3800 L swamp heavy  
linker 3900 Hat = 2 pins 3958.10  
Hobson hill

2640. S. set hub Heller over  
2640 so turn 90° and cut line  
East 295. Hat 300 stake Rain Hard  
at 1 PM  
Set back shot and Hat  
West 79.0 Feb lunch PM.

Reed and Frank go for water  
Laf and I cut to 1-35 with  
<sup>500 ft</sup> water 3958.10 Hat 3960 Hat  
4000 stake 4300 stake over draw  
4346 2 Hat = 2 pins 4400 stake  
4480 to 4523 Line cuts sharp left  
Bank - NW-S Bank left E. Creek  
5/16 4359 stake on line = Hat  
on Pt of Land from East Creek  
20 NW 4557 L Bk 4580.  
E Creek NW SE 4600 T.  
4635 R Bank Hi bank  
4700 stake 4952.6 E 9' up  
5000 stake 4.55 PM quit

John W. Cress

June 17-1932 Friday

9-AM. Left Alma-Reed and I w.  
Jenkins Henry Downey and his car  
leaves also for Bemidji

Alma stays at Boches 10-30

As on work Hetter over 20<sup>d</sup> spikes in 4"  
9" v.p. stump = 4952.6 S. chain from sth  
5000.20 + 34.0 = 5034.0 S Hub

5280.5 Red spike in low ground

Eat dinner - Lunch PM. Run

East 90° 1/2 Random 2 T. 2.30 PM Hard  
rain 292.2 Hub 2 pins 300 stike  
set Boche shot about 100 ft on

Ride hill 546.7 Hub = 2 pins 600 sth

795.8 Hub = 2 pins 900 stak

Cut East into swamp Gunt @ 5 PM

Walk E NE 1/2 lake and N 1/2 Car Home 7 PM.

Alma stays overnilt with

Ozear at Boches Reed + I batch

John W. Curo

June 18-1932 Sat

Up at 5:30 Reed and his Ford Corp  
and lunch take Lyle Cyrus Herb  
Kemper and drive to Becker Coal

I drive to Brainerd to @ 11-10

back home @ 1-10 Call on Geo Nordin  
and Ashley McKinley. Mail

Henry Downey's shoes to H.C.

Downey 816 American Ave

Bemidji 9<sup>th</sup>. Mailed @ 10-15 am.

Dale & Elis eat lunch with me

Reed cuts line East to Pine  
Mountain Lake no chain on Home  
5:50 PM.

US Notes Page 52 Plot Pg 37

Time Sheet Pg 11- 49-67-

I figure Corrections and

Police the Jernins dance

Carl Tracy of Pequot throws

bottle in Highway. State patrol

twist his arm Alma at Becker

June 19-1932 Sunday

Reed and I drive to Seekel Resort

Back at noon Home all day and on mail

Alma at Ozars Becker



74

JUNE 20-1932 Monday

Reed and I home alone. Rec D-ennen  
 Ch 8 150.00 Land GMAC 845.00 9 p.m.  
 my car PM I drive to Brainerd - and to  
 Little Falls - show Buck late

JUNE 21-1932 TUES

At home 4 AM - Reed and his car  
 takes Lape Cyrus - Herb Kemper and  
 cuts line at Becker I write letters  
 till noon and in PM. I drive up and  
 help cut line East on So 716 line  
 Reed and Kemper in Reeds car - Lape alone  
 and I in my car come home.

JUNE 22-1932 Wed

Herb and Reed cut line East on S.  
 716 line - how blow out and only work  
 1/2 day - Lape buys potatoes

31

G.H. DeCOMP

75

137-31

139-30

5279.7

5095.0

⊙

⊙

5280

24

19

5309.6

2090.88 US

2192.6 NY

0.16'

24.8

25

30

36

31

June 23-1932 Thurs

Alma - Lofe - Herb - Reed and I in my  
car to Brecken Complete P'110 line to lake  
I meet James V. Kelly (Agnes H.) 3543  
Harett Ave Mpls No phone Foreman for  
Pullman Sleeping Car Co in R.R. yards 20 years  
Bot Lot #1. 50' wide Lake to foot of hill  
he shows me the slates

Bollenper bot L.A.H. 2

Chief Engr (stationary) G.N.R.R.

Daugherty Bro-in-law of  
DeCamp bot Lot #3.

June 24-1932 Friday

Alma-Lofe-Herb-Reed and I & Becker  
Lofe & Herb Cut E on & Sec 24-139-31

Reed and I chain from stake 900-  
East on so line Sec 24-139-31

100 to 1000 stake 1060 out swamps & S

1180 to 1300 stake 1324.0 Hub 1600 + 150

1750 - stake 1850 out swamps 1750 + 154 = 1904

Creek - 2 wide runs S 1750 + 185 = 1935 + 4 surf

1750 + 260.4 = 2010.4 Hub 2050 stake -

39.8 = 2

2010.2 " same hub

OK 2010.2 - 2050 + 142.4 = 2192.6 stake on

Seawall - 20 ft west of lower dike sea  
wall Walk to dinner

PM

Reed and crew continue & E stake  
I walk west and check chainage

of so half mile OK. Out at PM

rain - Pick up Alma at Ocean.

Home at 5 PM

810.4 Alf Olson on account

Alf loses the "two pins"

John H. Curcio

June 25-1932 Sat

Alma Reed and I to Emily Callon  
Harry Bowman. Examine lines bet 2-3  
137-26 Lose Bailey Compass. Reed  
picks it up. Pine L. Beaver  
Callon Lewis Knudson - Hilding  
and Fred Swanson. Alma visits  
Dr Garber \$2.10 for medicine  
Home. 7 PM. Nati I cash Nelson  
\$35.00 check

Police Jenkins dance \$1 T. Sali  
W. Lof and Herb Cook

June 26-1932 Sunday

Alma Reed and I to Buchanan  
Callon Mrs Bailey alma stays with  
Ozear. Reed and I get boat  
from Kelly skool - & see 24 East  
Que Pine Mountain Lake  
Pick up Alma & Ozear at creek  
Mrs Bailey goes home with us

June 27-1932 Monday

Charley Southland. Harry Bournan  
call. Lewis and Mrs. Irving for dinner  
Wildred Killingsstad washer.

PM- 1.45 Reed and I & Walker  
meet Godfrey & Arfat at Ho

Dino & Berner call on John  
W. Green 7-PM home in Perkins

June 28-1932 Tuesday

Reed and I & Bocher

Foreman Nelson tries to slip  
our survey. Reed and I set  
Keller on E side lake continue  
line E & intersect ranch line

135 ft N of Hat 13.149.59 Pg 58

See this page 56.

13.149.59 + 135 = 13.284.6 cross Hamilton

135.01  
13.284.60

Figuring

15.928.81  
13.284.59  
2.644.22 OK

21.926.0  
20.90.8805  
101.72  
33.4x  
68.28

2044.80  
2044.22  
0.58 off close

80

June 28-1932 continued

Jim Kelly and Donald help us check  
his lot stakes Catherine and her sister  
? helps. Eat our lunch

P.M.

Kelly and family pack to leave for  
Mpls Reed and I go to Cor

23-24-25-26-139-31

US Natis call for

SPRUCE 6N 22E 28=18.48 ASP 8N 10 1/2 W 75=49.50  
BOOK 10S 69 1/2 E 25=16.50 only 3.

We find stumps of all 3 which check  
out OK for course and distance @ 7° V

Set 2x36" stakes for line corner

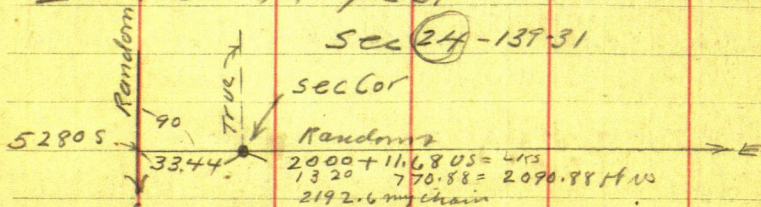
NEW BTS. Viz: 7° V Gurley compass.  
B. Giliad 12N 34° E 18.7 Poplar 64 1/2 W 20.5  
Poplar 9S 24W 16.9 Poplar 86 1/2 E 63.4  
to flat spot at base Distance out mtd on trees  
with chalk. Old spotted line tree N 8.79r

At 5280 So Cor to

23-24-25-26-139-31 set

East 33.44 feet

Sec 24-139-31



Look for Mr. Rains @ 5.50 and we

come home

John H. Curcio

June 29-1932 Wed

11 AM. Reed and I drive to Bochner  
at MC. N<sup>o</sup> 3 Bet Secs 24-25-139-31  
on W Side Pine Mountain Lake OS Nalis  
cell for Port and

Willow 10 N 45° W 13 = 8.58 FT

White Birch 10 S 62 1/2° W 62 Lhs = 40.92 FT

August 30 - 1870

We find Point of old stake in  
hole on top of sea wall at Hub  
2192.6 East. From which we find  
the SW Birch line down in the  
mud plainly marked. Only the  
roads of the NW Willow

We Mark new Bearings @ 7°

E 1 m 14 N 49° W 6.40

3 inch Birch bet 10 inch Twin

Birches S 8° W. 19.0 Feet to

Flat spot at base. Gurley Compass 7° W

Walk North and start survey  
of The Kelly Lots. Heller over  
Hub on N Body of Gov Lot 5  
Sec 24-139-31 at pt 12 ft E of road  
and 1 ft E of NW Cor Run

S 27° 26' E 311.0 Ft 16 ft on SO Line  
of Kelly tract. Home @ 7-30.

304 To Mr A. Moberly of Verndale Agent

Jahn W. Curd

June 30 - 1932 Thurs.

Figuring

 $S 27^{\circ} 26' E 311.$  $\sin 46072 \times 311 = 143.28$  $\cos 88755 \times 311 = 276.03$  $\times 12.143.28$  $311.0$  $276.03$  $527.31$  $276.03$ 

Mrs Gosle - Alma - Reed and  
I with lunch camp at DeCamp Cottage  
Mrs Gosle helps me pack tools

P.M Ch Easton S.  $1/16$  Sec 24-139-31.

165 enter swamp N-S - Mixed timber  
no value 300 stake 352 Creek 1 ft  
wide runs SE 500 L.V. Swamp

NW SE 600 stake 728.2 Pop log foot  
of hill + 45. = 773.2 NP log + 271.4

10 44.6 Hub on top 1235 Ent Low Land

1320.10 Hub Two pins + 245 = 1344.6

stake 1350 ent swamp 1644.6 SLK

in bog 1743 West edge of spring hole

over 100 ft across Sharkey bog

Reed and I lay 6 or 8 long spr +

tam pikes 100 ft or more East

over spring hole 1944.6 Stake

in bog - still soft over spring hole  
(1743 to 1900 soft) 1944.6 + 300 =

2244.6 stake 2300 L.V. Bog

 $146.4$ 

2391.0 Hub on hill

June 30-1932 continued

2396. E DeCamp road 2391. + 16.9 =  
 2407.9 Hub 2<sup>nd</sup> angle point for Lot  
 surveys (not used) + .30 = 2408.2  
 Tail Hub Mrs Gosley and Alma meets  
 us here. Our temp lot stakes  
 check about Three Tenths off? Puckham map.  
 2407.9 Ch East 143.6 Hub on 1/16 line  
 2551.5 E Turn 90° South 127.0 Hub  
 N line Tract #3 + 50 = 177. Hub N line  
 Tract #2 + 50 = 227 N line Kelly Tract  
 + 50 = 277. Hub S line Kelly Tract  
 Home lab

July 1-1932 Friday

9 AM. Red & I to Beamed. Call on  
 Curo family. See Moulster at State Highway.  
 Bldg. grind axes Grind stone N.G. Dwight  
 Mary and Mattie at my office in Jenkins

2526.42 E 9 1/16

84

G. H. DeCamp.

July 7-1932 Thurs

Reed and I with lunch. Stakes in Lots

1-2-3 of Gov Lot 5 Sec 24-139-31

- 2551.5 -	
2508 5 1/16	2526.42
	90
	127.0
	Hub #1
	50 3
	Hub #2
	50 2
	Hub #3
	50 1
	Hub #4

SW Cor Sec 24

At a point on True S  $1/16$  Line Sec 24  
 139-31 Being True N line Gov Lot 5  
 at stake 2551.5 E of Random and  
 2526.42 Ft E from NW Cor turn  
 90° So @ 127 Hub #1 on N Line Lot 3.  
 + 50 = 177 Hub #2 on N Line Lot 2  
 + 50 = 227 Hub #3 on N Line Lot 1  
 + 50 = 277 Hub #4 on S Line Lot 1.

See Page 83.

Reed and I layout the 3 Lots Leave  
 @ 33 ft road at foot of hill over Lots  
 3 and 2 but no road over Lot 1.  
 Set 2x2x16" white painted pine stakes  
 then chain in as follows. We first  
 layout Tract 1-2-3 then cut off a 33 ft  
 road from Tract 2-3. From SW Cor Tract 1  
 run N 13° W

 33 44  
 1872



86

Charming So line Track #3. From Hub #2  
 West 40.5 T. Roadway + 33.9 = 74.4. To W side  
 of Roadway 6. Ft W of foot of hill  
 Hub #2 Ch East 40.5 (also) l. p. l. n. I.M. @ 45 E  
 Brink seawall @ 55 foot @ 60 water edge

N Line Track #3 From Hub #1. Ch E 36.8  
 T. p. l. n. I.M. @ 54 Low Brink @ 63 Foot at 70 <sup>water</sup> edge  
 Ch West 52.3 Stk NW cor Track #3. + 33.9 = 86.2  
 Stake W side roadway 9.0 W of foot of Hill  
 + 45.0 To E of old crooked road

On 1/4 Line N Line Gov Lot #5  
 From Hub 2526.42 E From 1/16 cor ch  
 East on line line 65.0 + 9.4 = 74.4 +  
 Hub 2600.42 E 2526.42 + 79.0 = 2605  
 E Brink + 90 = 2616 Foot sea wall +  
 110 = 2636.4 water edge  
 From Hub 2526.42 E Ch West 98 ft l. foot  
 of hill

43

G H Decamp

87

2551.5 E of Random  
2526.42 E of 1/16

98 To Foot

90.

00.

744

Brink

Foot

Water

1270.5

45 To  
all Road

33.86

86.2

52.3

#3

36.8

1m

Low Brink

26.0

54

Foot of seawall  
Water edge

33.86

40.5

#2

40.5

1m

Brink

46.

Foot  
Water edge

53. Foot  
Water edge

53.0 T.

2 Road

33.86

62.8

28.9

#1

19.0

1m

25. E Brink

38. Foot

23. Foot

7.9

5

88

Geo H DeCamp

Jan 1-1933

Old Notes

New Lot:

From SE Cor Chain East 69.05 W. side  
100 pin 102. Stake (or Lake)

From NE Cor Chain East @ 57.53

91.44 (E. line?) 100 Pin 143.55

N.S. Base line 143.48

May 19-1935 Sunday

Miss DeCamp - Geo and I. B29 @ IM SE Cor F.W

Bellinger tract ch East: @ 29.95 old hub 2x12 E of  
Drive - E Brink 69.15 white stake vs side street way. 102.90Stk SW Cor Lot 3 - @ 143.4 white stk on 90° angle from  
Hub 2526.42 E (P987) @ 183.8 Hub SE Cor Lot 3 -  
10 W of Sea Wall foot and 20, from WaterBeg @ NE Cor Bel Tract ch E 27.2 Hub E Brink  
57.25 Road Stk W. side 91.0 E side Rd way stk NW  
Cor Lot 3. @ 143.2 Stake on 90° angle from Hub  
2526.42 E on true 1/4 line @ 179.8 Hub on top  
Bank 30 ft from water. From Hub 143.2 ch N  
1270 To Hub on line 1/4 line 2526.42 EHeller x over SE Cor Belinger tract - Focus  
E on SE Cor Lot 3 Run West: @ 51.3 Hub - 125 spikes <sup>100.05 Hub</sup> 120°  
150' cut 2x36" pipe: @ 178.6 Limber line in New  
cut out road NESW 180 SW CorBeg @ NE Cor ch W 57.25 white 2x2 stake 89.00 spike 120°  
150' IN 2x36" @ 156 Lx Timber R/W @ 180 ft from NW Cor  
in cut out R/WNorb Kemper runs  
old Notes



Bert A.  
Barnichener re-Survey Twin Beaches  
Manhatten Beach Secs 6-137-27-41-137-28

<sup>Monday</sup>  
April 17-1933. Lr Jenkins Drive to Pine River  
9 AM. Lv note @ Michener Apartments and drive  
to 50 Lakes P.O. 7 PM. at Myrtle Lodge  
Bert gets my lunch Sleep here

April 18-1933 Tues  
I am 62 years old to-day. 8 AM I drive to  
Bill Stowe telephone pay 20¢ Call Hal  
Wilkes store via Brainerd to say that I will  
be in Jenkins to-nite

10 AM. Lew Knutson Co Surveyor calls and  
eats dinner with us. PM. Bert and I  
cut out E line of sec 6-But 5-6-137-27  
Drive Bert's car to Range Line bet 1-6-  
137-27-28 Cut out my old Random Page  
13-15-19-20-21 Book #159  
<sup>22-23-33-35</sup>

Page 19-Book #159 Dated Jan 23-1922 colls for  
Pg 35 Book 159 Says:

"Hob 7832.7 So is really 8132.70 So on my  
random line 10 ft N of cut Brink N shore  
Whitefish Lake: Bert gas for rake and  
shovel and we find my old 60<sup>d</sup> spike

92

Apr 18-1933 Cont'd ② B.A. Michener

Range Line T-6-137-27-28

I take New Tics to old spike 8132.705

4" NPN about 40 W 15.00: 5" NPN about 80 E 14.55

6" JPS. about 45° E 12.80 2" Birch S. " 45 W 11.30

Small hawk marks at base of line

Mc chain 216.00 Ft N and look for my old

Spike 7916.70 S. on random Then E 23.82

and scrape leaves for my old spike at

1/4 Cor Bet 1-6-137-27-28

Find small hole in the ground I must  
have pulled spike just now with garden

rake. Suffer with Bert and drive home to

Jenkins Alma-Reed and I eat my

Birthday Cake 36.80 From Bert

April 19-1933 Wed.

I drive to Beamed Bay 4 new lines from

NW to Drive to Little Falls + back to

Beamed - 10-30 PM Lv Beamed

Find Co Surveyor Knutson and his

cart and Bert all asleep

I sleep with Michener

BA Michener Twin Beaches - Manhattan

April 20-1933. Thurs

Knotson and his man continue traverse of shore line I search notes Old Nalis

Random 6950 S 7000 Foot of hill

✓ 7108.5 21.39  
7300

✓ 7516.75 22.62 Nail  
7600

7400  
7916.7 23.82 1/4

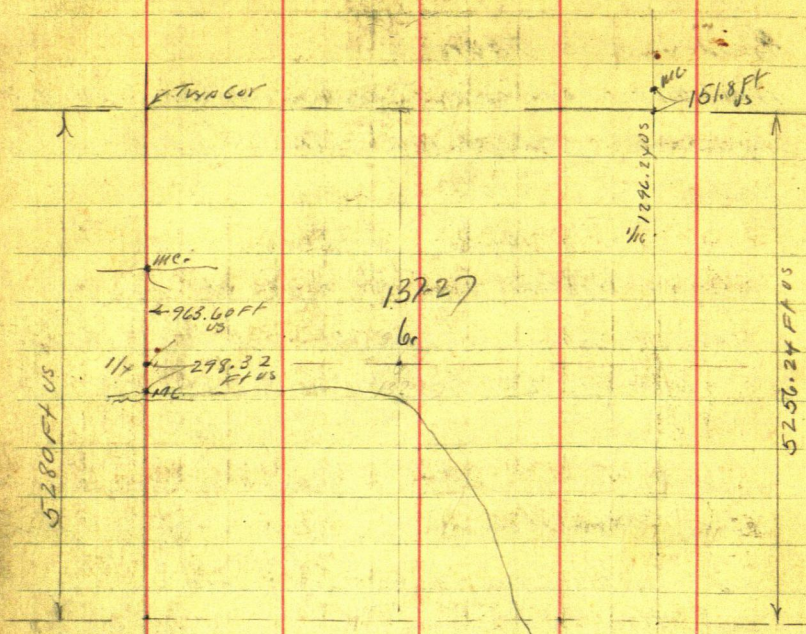
✓ 7832.7 = 8132.7 S 24.48 1/4

81755 Foot cut Bank

See Pg 35  
BOOK 159

Random Range Line

93



April 20-1933 Continued

Michener works with Co Surveyor Knudsen & helper  
I go out alone and work lat on notes

P.M.

Crew get in for dinner 12-15 AM.

Michener goes to Pine River for supplies I take  
crew to Range line Knudsen and his man  
run whitfish shore line I return and work  
on notes

Evening: Knutson and his car takes  
Bert Michener and Knutson's man

and drive to Beamin

They go to school play

I am supposed to "keep house"  
but at dark drive home to Jenkins  
for over mile. Do not know what line  
Knutson got in

April 21-1933. Friday. L. Jenkins to

I and cut out West line  
of Myrtle Lodge Knutson figures  
P.M.

Get 4 chain E side Myrtle Lodge

Knutson & man go to Beamin Mich pays  
me \$10. and I go home to Jenkins

John W. Cocco

95

6

May 1-1933 Monday

6-30 PM. Lu Jenkins 7-15 PM at  
 Myrtle Lodge. Find Michener not  
 at home but lamp burning  
 Michener arrives 8-30

Supper at Jenkins sleep at  
 Michener cottage

May 2-1933 Tuesday

BA Michener and I chain Holmes  
 Lake to Lake Bet White Fish & Trout  
 Note:

On December 19-1930 I made  
 a survey of shore line

Today I am checking same

To-day - May 2-1933.

Michener and I 300ft Lake Rough  
 Chain Beg @ Walrus edge Today

35 ft SO. of SW Cor Lot 1 Sec 6  
 Being 32 ft N of Low water mark at  
 North on West side of Myrtle  
 Lodge @ 35 = 1/16 Cor - 300 st k 340

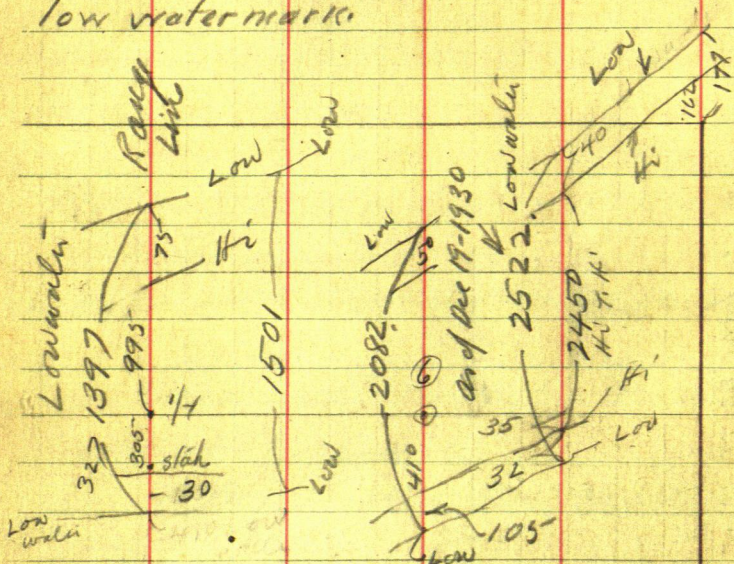
about  $\frac{1}{2}$  grade runs West 6-9-  
 12-15 + 202 = 1702 So side of street  
 18-21 - stake 2118  $\frac{1}{2}$  road about,  $\frac{1}{2}$  W  
 continued Page 97

April 1933	Time	Sheet	For	B.A. Michener
3 <sup>rd</sup> 17	18	22	May	1 2 3
John W. Caro	1	1	0	1 1 1
Expense	-	-	0	- - -
Car Miles	20	-	-	15 -
B.A. Michener	1	1	1	- 1 1
Expense	1	-	-	- - -
Car	20	-	40	-
Louis Knudsen	1	1	1	
Expense	-	-	-	
Car Miles	50	-	-	
Knudsen Helper	-	1	1	
Sig Flaata				

8  
97 May 2-1933 cont'd

137-27

North on West side Myrtle Lodge  
2400 stake 2405 N edge low  
sea wall (indefinite). 2450 edge  
of Trout Lake Hi water 40 ft 20 of  
low water mark.



Begin @ 1/4 Cor in center Sec 6 - Ch  
South 130 to 135 Foot cut bank  
305 Hi water edge 105 ft of Low water  
410. Low water mark. Shore runs  
NW SE Begin @ NE Cor in Myrtle Lodge  
North 801 to NE Cor Sec 6 - 137-27  
over mile with much John W. Allen

April 1933	Board Sheet with Michener									
	16 Sun	17	18	19	20	21	22	SUN 23	May 1	2 3
John W. Caro			DB	DB	DB	DB	DB	DB	DB	DB
BA Michener		SL	SL	LS	LS	LS	LS	LS	LS	LS
Louis Knudsen		SL	4	4	4	4	4	4	4	4
Sig Floata		-	D	D	DB	DB	DB	DB	-	-
		-	-	D	SL	SL	SL	SL	-	-

99 <sup>10</sup> Beg @  $\frac{1}{4}$  in center sec 6-1378) cl.  
 Northern  $\pm$  300 stake 31 about n of  
 & road 600 stake 124 about n of  
 cor Lot 12-24.  $600 + 100 = 700$  stake  
 So side of big. Revere 1000 stk  
 40 ft n of E-W road + 134 =  
 1134 & road E-W  $1300 + 151 =$   
 1451 Lot bet 4-8 and 9-4

1600 stake on sand 23 ft n of  
 sea wall 1622 <sup>st</sup> walrus edge  
 Hi walrus 50 ft so of low walrus  
 mark.

	1622
	<u>50</u>
2082 Low walrus	1672
To Low walrus	<u>410</u>
	2082

Beg @  $\frac{1}{4}$  on W side 6 - Rang Line &  
 South 219.4 spikes 297 Hi walrus  
 + 30 = 327 Low walrus

$\frac{1}{4}$  Ch North 3-6-9- 950 foot Hi  
 959. Sea wall 995 Hi walrus stk  
 + 75 = 1070 Low walrus

	327
1397	<u>walrus to walrus</u>
	Low walrus

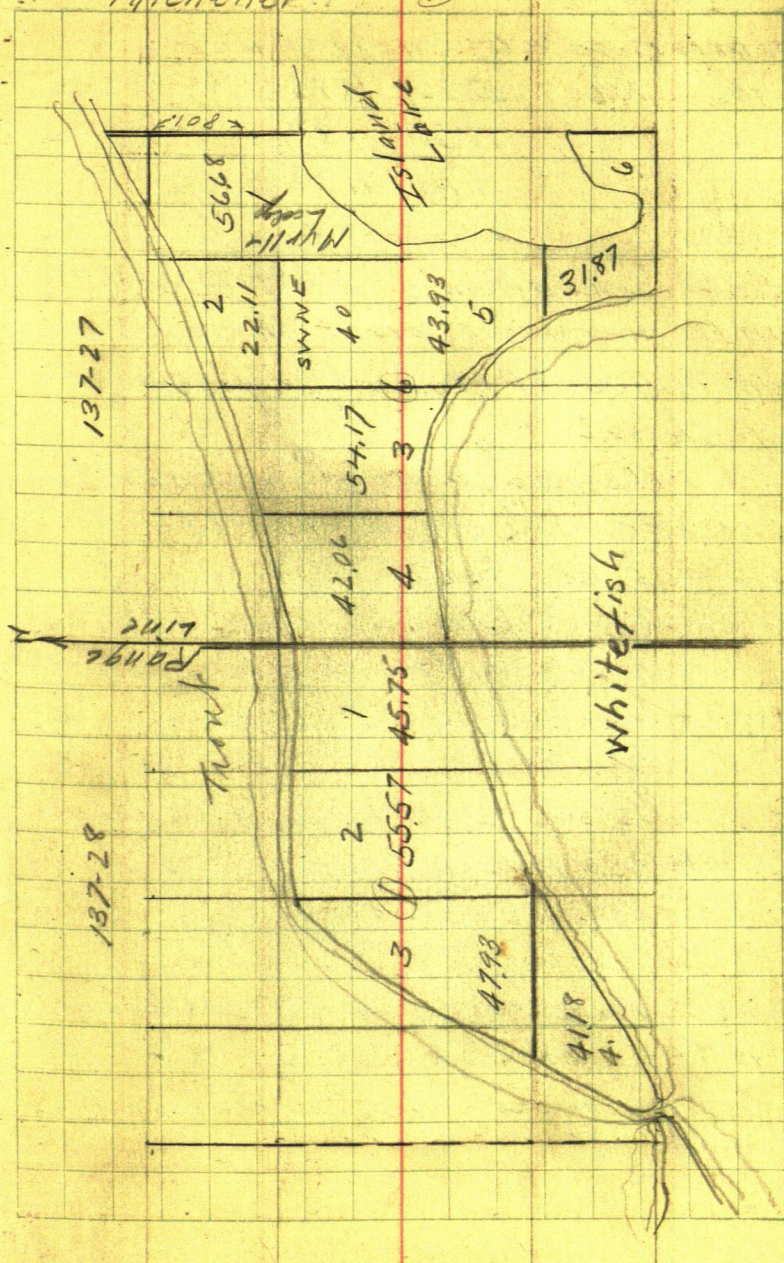
Dinner at camp

Jahn W Curo

Michigan

(11)

100



101

197<sup>30</sup>

(12)

T. over	FS on	R.	Rod	1622
995	N75°53'E 1622	197°30	575	N86°37'W
"	"	17°30	180	=586°37'E
180	N74°36'E "	9°48	1100	N84°24'E
1100	"	2°52'	687	

Course and distance. Sta 687 to 1622  
not taken - runs straight and extends  
about 500 or 600 feet beyond E  
of Sta 1622

Beg @ old line E-W near SW  
Cor Gov Lot 3 Sec 6-137-27

Sta = 0.0 ch South 96 ft to wall  
40 ft from old low wall mark 136 Low  
o.o. chain about North 375 to & road  
Offset East about 125 ft then

North on road @ 675 pin + 175 = 850  
& Road E-W = 3 = 1150 pin - 1270 sec quad  
1150 + 165 = 1315 wall edge 50' S of old  
wall edge 1365 Low wall  
136 1501 Low wall to  
1501 Low wall

Our crooked line hills Trout Lake  
218 ft E of Stades Sta 1100 see above  
From NE cor Sec 6 = 162 to wall + 15 = 177  
old wall line

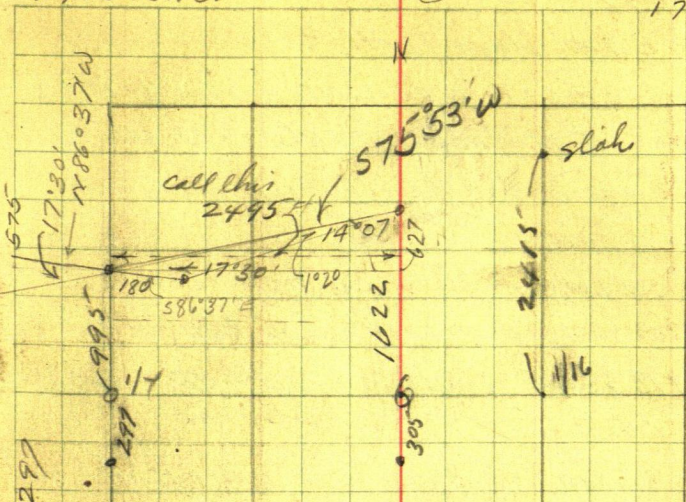
Not to 600. May be 215.6 50' E W Randon  
See page 54 March 159

Michener

250

(13)

19530. 102  
180  
1730



$$627 - 2495 = 25130 = 14^{\circ}07'$$

$$\begin{array}{r} 75^{\circ}58' \\ 14^{\circ}07' \\ \hline 89^{\circ}60' \text{ OK} \end{array}$$

$$\begin{array}{r} 89^{\circ}60' \\ 3^{\circ}23' \\ \hline 86^{\circ}37' \end{array}$$

$$\begin{array}{r} 17^{\circ}30' \\ 17^{\circ}07' \\ \hline 3^{\circ}23' \end{array}$$

$$\sin 99826 \times 180 = 179.7$$

$$\cos 5902 \times 180 = 10.625$$

$$2815) 637.62 = 2254 = 15.24$$

103

Nichener

(14)

Sec 1-137-28

May 3-1983 Wed.

Up at 5 a.m. Clear Cool. 7-30 a.m. Drive  
my car to SECOR Gov' Lot 3 Sec 1-137-28  
Page 100. Find small IM. Chain E 105 to  
water's edge today 50 ft W of old shore line  
@ 155 E Low water line

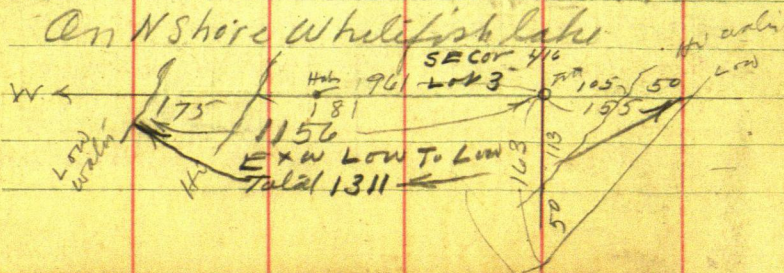
From SECOR Lot 3 ch So Rod reads 120.  
18° down Ver Tang 18" = 32.49 On 95016  
-7 = 113 ft to low water's edge + 50 = 163  
to Low water line

From SECOR Lot 3 ch West @ 961 Knudson's  
Hub: @ 981 West, water's edge today old  
shore line line 175 W =  $\frac{981}{175}$  1156 to Low  
water line

TOV6 IM @ SECOR Lot 3, Sect 137-28  
BS. West, about - on Telpale Run  
N 56° 44' E Rod reads 752. @ 2° 40' down  
TOV6 752 BS-S 56° 44' W Run  
N 65° 41' E 574 Stadia at water's edge  
TOV6 574 BS-S 65° 41' W

Take water's edge Vizi:  
N 72° 05' E 500 and N 77° 15' E 945

On N Shore Whetfish Lake

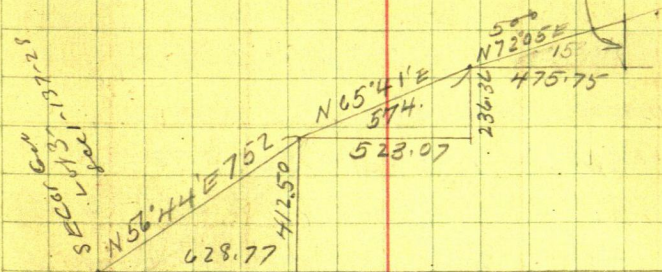


HAM Back to camp figuring

N 56° 44' E 752

$$\sin 83613 \times 752 = 628.77 \text{ E}$$

$$\cos 54854 \times 752 = 412.50 \text{ N}$$



$$\begin{array}{ll} \sin 91128 \times 574 = 523.07 \text{ E} \\ \cos 41178 \times 574 = 236.36 \text{ N} \end{array}$$

$$\begin{array}{ll} \sin 95150 \times 500 = 475.75 \text{ E} \\ \cos 30763 \times 500 = 153.81 \text{ N} \end{array}$$

$$\begin{array}{ll} \sin 97534 \times 945 = \\ \cos 22070 \times 945 = \end{array}$$

N	E
412.50	628.77
236.36	523.07
153.81	475.75
<u>792.67</u>	<u>1627.59</u>

105

(16)

N Side Lots 1 and 2 - Sec 1 - 137-28

Trout Lake side

Pt on Range line 995 N of  $\frac{1}{4}$  Co  
 BS # 14°07' <sup>N</sup> on stake on N-S & G.  
 1622 ft N of Center  $\frac{1}{4}$  Run 197°30' R  
 Run N 86°37' W 575 ft - Water 5' R.  
 Low water mark 55' R.

⌒ over S to 575 BS-S 86°37' E  
 Run S 81°02' W 753 ft to Hut Water  
 10' R and 75 R Low water line  
 Run N 89°07' W 690 - Water 20' R.  
 LW mark 100' R.

⌒ over 690 BS-S 89°07' E Run  
 N 67°14' W 785 to stake on Point  
 Water 2' R. and 75 R for Low water

Then ⌒ over 785. Take shore  
 S 53° E 75 ft from which edge of  
 water run Ely to S to 690 From  
 690 to 785 Low water line about  
 75 to 100 ft out Run

S 27° 25' W

at 20 Water 25 R Low water 100 R.

" 50	"	"	"	" 100 R
100	"	20 "	"	100 "
200	"	5 "	"	100 "
300	"	5 "	"	100 "
400	"	0 "	"	150 "
674	"	2 "	"	150 "

May-3-1933 cont'd ⑦ 27-28

Drive to camp Find Ralph  
Robideau and his wife.

Lewis Knudson arrives shortly  
He and Bert go for mail. I will  
notis 4.P.M. now.

See Page 19 Book #159 = 1/4  
Bet 1 and 6. - 137-27-28 Range line

5.15 Knudsen and Michener return  
from Pine River and I Lu for den-  
kies - supper at home.

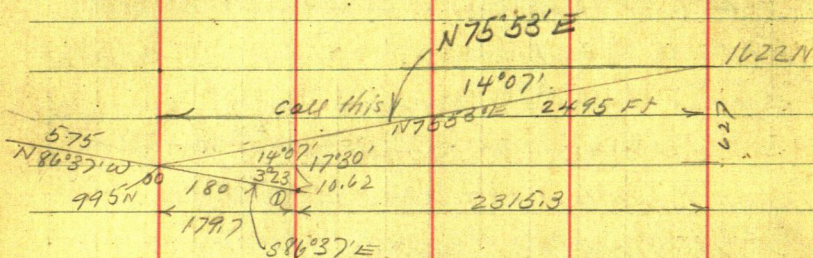
Jahm W. C. W.

107

(18) B.A. Michener

May 9 1933 Monday

Figuring So Shore Trout Lake - at Jenkins office



N 984.38

D

 OK  
 N 74° 36' E 15° 24'  
 948 1524  
 H 100° 4' E 5° 36' 1524  
 N 84° 24' E 5° 36' 1524

2315.3 637.62 =

= 15° 24'

East North South

S 86° 37' E 180 =

S 11 995.23

179.70

10.62

N 84° 24' E 1100 CO 09758

1094.75

107.34

N 84° 24' E 1000

995.23

97.58

995.00 N

995.23

10.62

179.70

984.38

1174.93

97.58

1081.96 =

10

1092 Hi water

68

1160

West side Lot 3 - Sec 6 137

FROM E-W &amp; North 1092 Hi water

+

1160 To Low water

B. A. Michener

19

8960  
5648  
3316

108

May 9-1933

Figuring White Fish Lake Lot 2 and 1-See 1 <sup>137-</sup>28

N56°44'E 752 = 33°16' Tang = 656 in 1500

N65°41'E 574 = 24°19' Tang = 451.87 in 1000

N72°05'E 500 = 17°55' Tang = 323.31 "

- @ about 155 Feet cross E-W @ about 698.86 N <sup>and 50 ft</sup> <sub>at low</sub> water line

Taking Trout Lake shore Pg 105 N. and Lots 1-2

Stk 0.0. is 996 ft N of 1/4 cor on Range Line But

See 1-6-137-27-28 Run

N86°37'W 575 to Stk 1- Low water line 50 ft R.

S81°02'W 753 to Stk #2. Hi water 10' R Low 75 R.

81°02' = 8°50' Tang = 155 in 1000

= 0°53'

#2 Run N89°07'W 690 water 20 R and 100 R. Tang = 15.

#3 Run N67°14'W 785 water 2' R and 75 R = Tang 22°46' = 420 ft

D

$$\begin{array}{r} 117.50 \\ 3.53 \\ \hline 120.77 \end{array}$$

110

Sept 28-1933 Thurs

Reid got home last night and @ 10-30 we take lunch. on Hape Cottage set lay out stakes Eat our lunch with Walter's crew

P.M.

111.50

110.77

.77  $\frac{1}{2}$  L

Adjust Survey &amp; and set levels

BNTA	+S	H I	-S	Elev	Grade	
B	10.60	110.60		100.00		Top of water Rush Lake Dalum
TP 1	12.26	121.30	1.56	109.04		in Road
TP 2	3.60	120.53	4.37	116.93		Per N of center
BM 1			3.53	117.00		Nail in 12" oak W of H
BM 2			3.53	117.00		Nail in oak SW
BM 3			3.53	117.00		Nail in oak SE
	120.43					Top of Foundation station 8 stakes
	111.50					Note: we want a 7.25' center
	8.87					
			2.49	118.81	118.81	
				110.77	111.56	
			9.74	110.79		.77 Too Low?

Sept 29-1933 Discover Mistake 0

BM 1	3.43	120.43				117.00
			8.87			
			9.64			on level station 77 Too good

111

BMP	+ S	HI	- S	Elev	Grade
1	2.43	120.43		117.00	
			2.41	118.02	118.02
			9.66	110.77	110.77
			4.50	115.93	
Checking back			4.50	115.93	
	4.50				

Re Run Beg @ Lake shore Leo Walton Road.

				10	
	10.50	110.50		100.00	
TP 1			13 1.37	109.13	
" 2.	12.34	121.47	4.46	117.01	
BMI	4.37	121.38	3.29	118.09	
			2.28	119.10	
			9.53		

241

12043

$$\begin{array}{r} 450 \\ 1593 \end{array}$$

7.25

9.60

110.50

1.37

109.13

on old Foundation Slakes OK.

on Bottom of Celler 7.25 deep OK.

109.13

12.34

121.47

121.47

4.46

117.01

117.01

4.37

121.38

2.28

119.10

water level

on spike in Twin 7x7" oak West of New House  
on Foundation Elev. Slake

① Nov 21-1934

James J. Huspek

515 Commerce Bldg St Paul Sold to  
Leo Windorski and Brothers whose home  
address is Frank Windorski Sr Rt 3 Como  
Sta Saint Paul. the land viz Lot 4 Sec 4  
139-29. @ \$450.00 The land included pt of  
land and small island

Later; Huspek took back the island and paid  
back \$100.00 As the west line appears  
to leave out also the Point of land They have it  
surveyed If they get the point Windorski  
keeps the land and pays cost of survey But in  
any case Huspek will pay John W. Curo  
\$50. for the Engineer work Windorski & Bros  
to cut all lines

Nov 21-1934 Wed

Reed and I go to Remer. Return via Windorski  
cottage on Arrowhead Lake and arrange for  
survey in the morning

Nov 22-1934 Thurs

Reed and I & L. Jenkins 10 AM Meet Frank  
and Leo Windorski @ S.W. Cor Sec 4-139-29

All go to dinner with Doc

Reed and I have bread-Supper &amp; Butte

Nov 22-1934 cont'd

(2)

114

P.M. At Cor 4-5-8-9-139-29. U.S. Notes say  
WB 4 N 51° E 111 = 73.26 Asp 4 N 29° W 65 = 42.90  
Asp 5 S 78 1/2° W 50 = 33.00 BP 4 S 79° E 59 = 38.94

We find 2 1/2 x 36" galvanized pipe-capped  
set in line with E of road East and in line with  
West wheel track - 3 ft W of E of road so

Note: I surveyed both roads and set this corner  
years ago about 25 years ago.

New BTS. 4-5-8-9-139-29

Aspen 7 N 23° 08' E 66.40 W Oak 3 N 32° 17' W 51.00  
" 6 S 66° 20' W 50.40 NP 15 S 56° 20' E 75.35 partly  
dry Old asp Sta 10° N 41° 45' W 45.00  
Var 7° 40' SE angle of Roads 88° 50'

checked Aug 1-1939  
560

Reed and I return to Jenkins for supper

Friday

Nov 23-1934 - at 11 AM Reed and I find Frank  
and Leo Windorski cutting @ SW cor Sec 9.  
139-29 all take dinner with Doc Moffett

P.M. Frank drives Reed to N Side Long Lake

I drive Leo to SW cor 4-139-29. Bug @ Hub 623.2 N

chd by x Reed Leo and I continue

Bug @ Cor 4-5-8-9-139-29 Leo & I continue

North on random but 4-5-139-29.

623.2 Hub + 106.8 = 730. Sta + 250 = 980 Sta

- 3.8 = 976.2 Hub = 2 pins no spread Perfect

adjustment Heller  $\pi$  980 + 75.7 = 1055.7 Hub

+ 8.4 = 1064.1 M.C. No 60. sets West 4.95

1064.1 + 79.2 = 1143.3 Birch Stake on sand 3 1/3 - 1

water  
1067.22 us -  
1064.1 14 ch  
3.125 short

115

③

Nov 23-1934 Continued

M.C. N<sup>o</sup> 6080 Side Long Lake bet Secs 4-5N<sup>o</sup> 12579 W 11 = 90m  
139-29 US Notes Call for N<sup>o</sup> 18557 1/2 E 24 = 15.84 okWe find S.E.B.T. Standing green Plainly mxd From  
which we set 2 1/2 x 30" pipe in Pile of Stone  
True Meander Corner var 7' 40" ENote: Reed and Frank Over Lake Cuts line  
North: Double Cen Pins show perfect adjustment  
Line cuts East of PointSupper with Doc I give Frank 81. Reed  
sleeps 3 in a bed with Windorski Ber  
I drive home to Jenkins Jr + I alone.

Nov 24-1934 Saturday:

Reed runs Transit-Windorski's cot line N.  
I give "Fat" King 15¢ to help Jr clean shed  
Jr goes to Pine River Sch Play I give him 25¢Evening: Windorski Ber + Reed get light  
supper with Doc and they bring Reed home  
all eat supper again with me 35¢ to Frank  
for ex his gas. Reed and I alone. Junior  
returns an hour after midnight and I 10¢  
Mel @ an hour later Reed Jr + I 3 in a bed

Nov 25-1934 Sunday

I 10¢ Mel @ 1-300m. Rain and sleet all day  
I 10 and Reed drive to Martin Ware. No Deer  
PM Reed and Mel drive to Bill Shepard's Return  
with 2. Deer 8-30 I 10 and Mel start back to  
St Paul. Dark & cloudy

John W. Deer

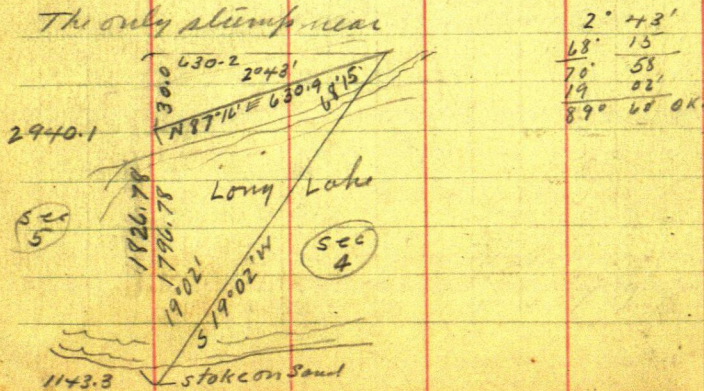
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NOV 26 1934 Monday 139-29

Cloudy. No snow. It starts again to Pegvot School  
 Reed and I am in Jenkins. Dinner at home  
 I will Mattson. Windorski Bros haul wood for Doc  
 3 pm. Reed and I as Docs. Take Windorski Bros  
 work and we start to triangulate on N Side  
 Long Lake Too cloudy here to T all eat  
 supper and sleep at Doc's Reed and I have our  
 own quilts Reed drives Frank and I to  
 Maggie Smith's Store. I give Frank \$1.

Nov 27-1934 Tues

I give Frank 50¢ and he goes to Maggie's Store.  
 Our car takes us and our lunch to N side  
 Long Lake. Find Heller Transit out of adj  
 Set dbl cen hubs Hubs 310 feet apart in 500 ft  
 M.C.N° 62 on N Side Long Lake bet 4-5-139-29  
 US Nahr call for WP 14 N 1° E 108 = 71.28 only one  
 Stump is here. It is now 18" and marks are fully gone  
 The only stump near



Lot 4: Sec 4-			
139-29			

⑥ Huspek-Windorski 118

Board Sheet

Nov 1934

22 23 24 25 26 27

ANS

with Doc. Moffett

John W Curo

*L. Reed Caro*

Leo Windorski

1847

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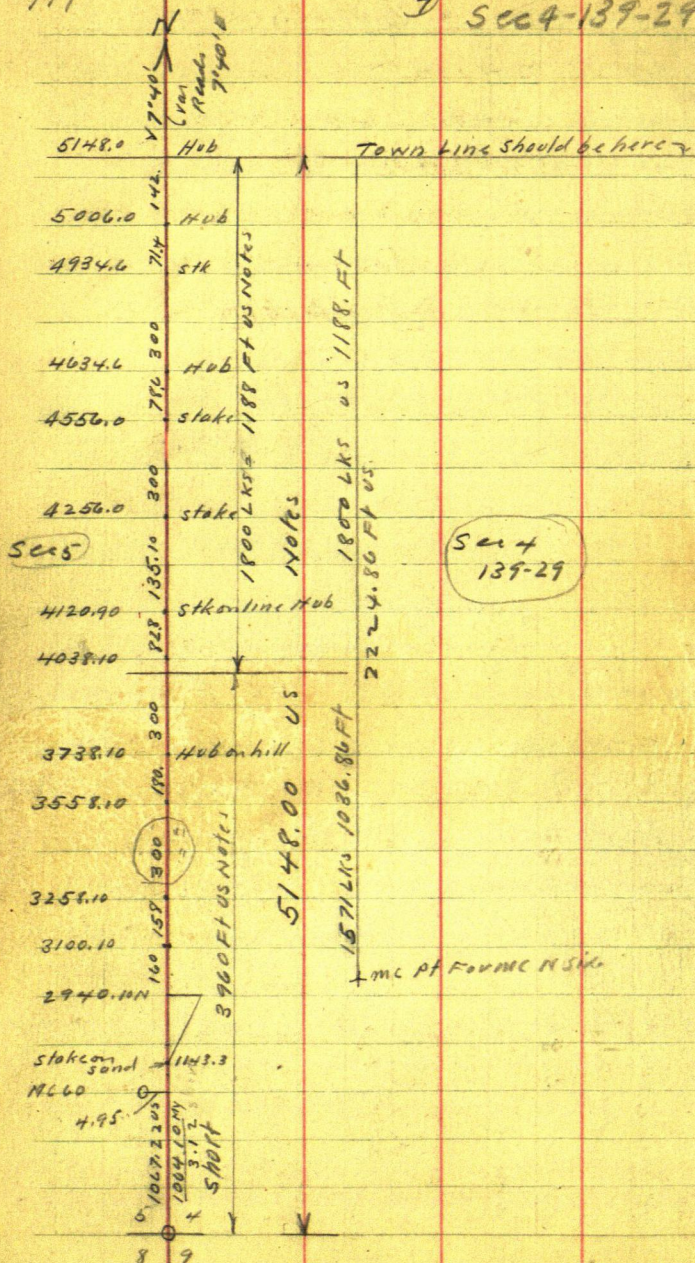
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119

Sec 4-139-29



⑧ HOSPEK

120

J.J. Huspek-Windorski Lot 4 Sec 4-139-29

NOV 27-1934 Tues continued

Snow and sleet light covering snow

North on Random bit 4-5-139-29

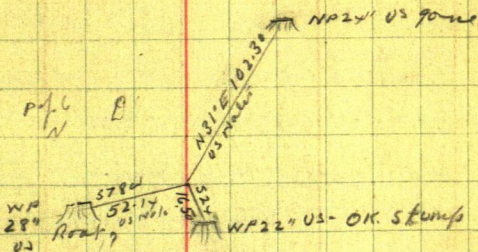
Set hubs and stakes as shown on my 119.

At 5148 N- which is US chain set hub and look  
for Cor 32-33-4-5 Bit Twp 139-140-29

US Nails call for: "C" 139-29.

WP 22 S 24° E 25' = 16.5 NP 24 N 31° E 155' = 102.30

" 28 S 78° W 79' = 52.14 No alk. ?



We believe we found SE and SW stumps. Cut brush  
till dark and drive to "Doc" Moffett Res

Doc has no pork but cooks beans with lard. Frank  
but all eat beans for supper. Reed and I

drive home to Senheim. Junior missed school.

Quit survey for a few days. Windorski Bros  
will cut brush and look for corner. I shoot  
hose for Jacobs after dark.

Nov 28-1934 Wed.

Dr. Messers Sch Reed and I all on in Senheim  
Windorski Bros Brush out near corners  
on nails

John H. Cucco

121

Dec 13-1934 Thurs @

12-15 PM Reed and I L Jenkins

2 P.M. @ MC 62 N Side Long Lake

OS Notes call for WP 14 N 1° E 108 Lks =

71.28 Feet We find stump of old BT

Dirtly Mkd from which we set 2x30" pipe

on Brink of seawall for TRUE MC. 17°40'

New Ties VIZ

HT 2940.1 N MC stands N 85°20'E 58.80

SINE:  $0.8136 \times 58.8 = 4.78$  NCOS:  $0.99668 \times 58.8 = 58.60$  E

HT 2944.88 N. MC sets E 58.60

Walk half a mile N. to cor 32-33-4-5

139-140 N R. 29 W We find stump of old SE BT

from which we set 2x30 pipe My old BTs

Oak Tree 16" N 48° E 138.3. My old scar

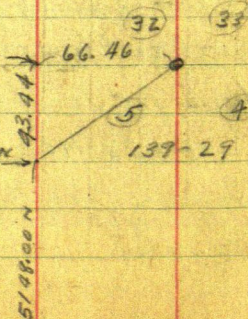
VIZ MARK near base

Old 42" WP. stump S 26° E 93.2 ft to my old

rusty 10 d nail in root 17°40'

Mark New BT = 8" Poplar tree S 87° W 31.3

Roots and hole in the ground bear N 98° W 50. ft

Holler & perfect adjustment over Hub  
(wood) 5148.0 N Sec Cor pipe bears R. or  
N 56°50'E 79.4 Feet
$$\begin{aligned} 5191.44 \text{ N} \\ \text{SINE } 54708 \times 79.4 &= 43.44 \text{ N} \\ \text{COSINE } 83708 \times 79.4 &= 66.46 \text{ E} \end{aligned}$$
5148.00 N  
Wood Hub

Dec 14 - 1934 Huspek  
Figuring

10 4-139-29

$$\begin{array}{r} 2224.86 \\ \times 21.70 \\ \hline .009755 \text{ Long} \end{array}$$
$$\begin{array}{r} 1036.86 + \\ 10.11 \\ \hline 11046.97 \end{array}$$
$$\begin{array}{r} 1188.00 + \\ 11.59 \\ \hline 1199.59 \end{array}$$

1199.59+ N  
1046.97  
2246.56 OK. my ch.

2944.88  
1046.97  

---

3991.85 N  $\frac{1}{4}$  E 62.

$$2246.56) 7.86 = .0035E+58.6$$

Correction

$$5191.44 \text{ N. goes } = 66.46$$

$$= 2246.56 \text{ N.}$$
$$5006.00 \text{ N} = 2061.12 \text{ N } 90.5^\circ \text{ E}$$

$$7.21 + 58.6 = 65.81$$

46 34.60 N = 1689.72 N, 60.15 E  
5.91 + 58.6 = 64.51

4120.90 N = 1176.02 N 90.25 E  
E 4.12 + 58.6 = 62.72

$$3991.85^{\circ}N = 1046.97^{\circ}N \text{ goes E}$$

3738.10 N = 793.22 N 9003 E 0  
2.78 + 58.60 = 61.

$$3100.10 N = 155.22 N900$$

$$0.54 + 58.6 = 59.$$

2944.88 N 9085 E 58.60

2940.10 N

Hobs on Pg 119.

John W. Cline  
HKB 300 FT Tape  
Perfect adjustment  
P. Bob Chain DBL Cen Hubs

123

(10)

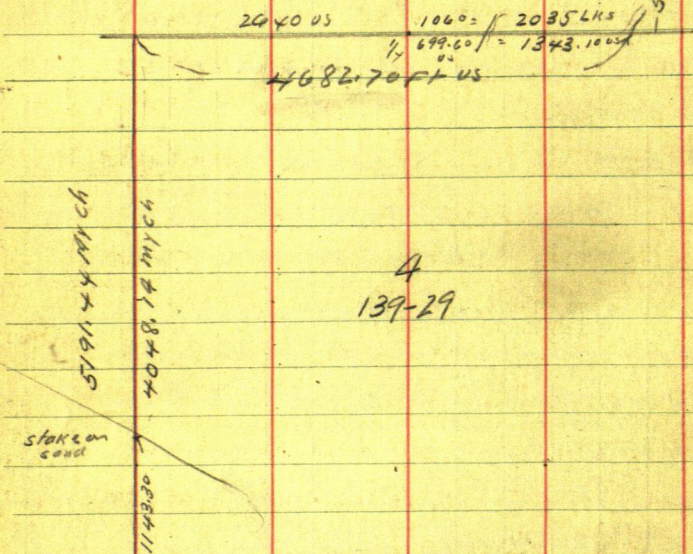
DEC 14-1934 continued

Up 6-AM. Get Junior Bobcock to School Reed and  
Figure corrections of Line bet Seas 4-5-139-29

All North of MCG 2. ON N Shore Long Lake goes

East.  $0035 = 0^{\circ}12'12''$  PLUS  $58.60$  Feet

See Page 122 This book.



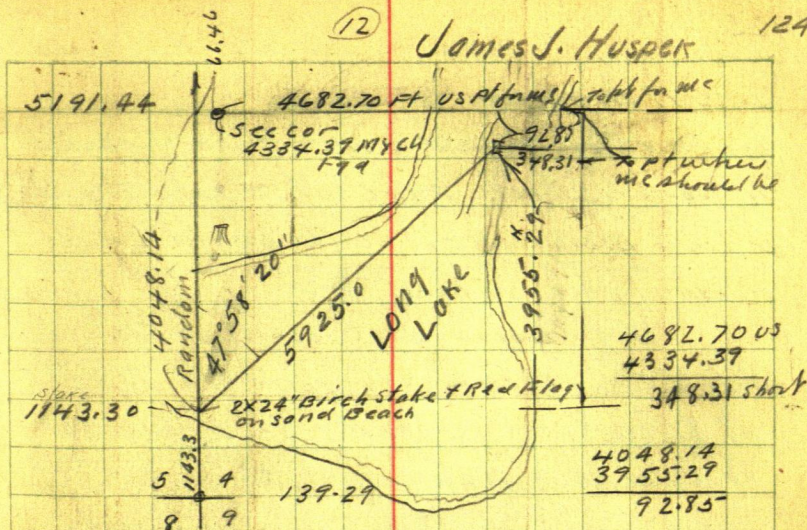
Reed and I Lr Jenkins 1.P.M. Call on.  
Cooke Drive on ice Find Big Post in pile of  
stone on E shore of Long Lake N. of Townline  
Put red Flag on Post and drive on mile SW  
Heller Rover Hub on random Mark 1143.3 N  
Focus N on Random Big Post bears N  $47^{\circ}58'$  E  
Lr Car and chain 300' Taps 19 x 3 F 5700 PL on  
ice + 125 - 5825 Lr ice N-S - + 35 - 5860  
Seo well + 225 = 5925.00 Big Post

$47^{\circ}58'$  Sine =  $74276 \times 5925 = 4400.85$  E  
Cos =  $66756 \times 5925 = 3955.29$  N

James J. Huspek

124

(12)



Something wrong here - US Notes - Plot must be wrong as to distance from NVCOR Sect - 139-29 East is MC. on E side Long Lake on Town Line JENCH plots show 4682.70 FT Our chain = 4334.39 May be OK with MC. on West side - we will go see

Dec 15-1934 Sat. 10-45 AM. Reed-Ivers Jr and I at Jenkins - cloudy - Sleet, warm.

See Book 27. Meet Rutger Bros at Ideal Town Hall Reed and I re-chain Gould Road, over ridge in Brainerd Junior at Jenkins alone

Dec 16-1934 Sunday Reed and I in Brainerd

Dec 17 " Monday Home in evening

Dec 18 " Fix Trailer at Jenkins

Dec 19-1934 Wed

up @ 6 AM Clear - N Wind - zero - Ivers Bobcock Jr. goes to school. Reed and I take Trailer Drive to Blackwater Lake Lv car at Lawn Field's cabin Ice 5" thick

Hugie Larson Asst Cashier at Farmers State Bank at Pequet will pay me \$100. if I sell at \$1200. Cash, Gov't Lot 1 - Sec 35-140-29 = 14.55 acres on Blackwater Lake

MC N<sup>o</sup> 13 Bet Secs 26-35-140-29 West

Side of Blackwater US Notes call for  
W PINK 15° N 22° E 8 LKS = 5.28 FT OK Stp. Plain  
W. Birch 75 85° W 44 " = 29.04 " gone

We find stamp of old 15" WP plainly marked from which a new line 2 years old runs west

This Lot is hilly and rough NG. for Resort  
Pick up Birch bark and Pitch wood along road and drive on ice to So end Long Lake

Correction Bet Secs 4-5-139-29

Page 122.  $\frac{1}{16}$  Cor NW Cor Lot 4 - Sec 4 - 139-29  
2x30" Pipe, NP 11 N 59° 20' W 36.3  
NP 10 S 37° 20' W 61.50 W. OK 45 81° E 12.55  
Turned from course of Random 7° 40'

At Hub 3738.10 N (Pg 122) was set R. P. Spike Hub ch East 61.38 set R. P. Spike Hub mtd True Line

Ties to MC N<sup>o</sup> 62 Bet Secs 4-5-139-29  
N Side Long Lake (Pg 122) 2x30" Pipe  
NP 14 N 63  $\frac{1}{2}$ ° E 16.90 WP 10 N 37  $\frac{1}{2}$ ° E 9.60  
8.00 R 85 84° W 70.40 Old US BT STUMP N 1° E 71.28  
7° 40' Var

Dec 19-1934 Con'd Huspek

T Heller over MC 62 Take edge of ice

South 60 Feet: S 20° W 100 and 150

S 10° W 125 S 2° E 275 South 425

N 83° E 600 Feet

Note: Meridian is a line focused so or sw 1/-

MC 60 over Lake This line runs SW

The original seawall is 50 ft back from ice

Beg @ Ht. MC 2940.10 N we rough chain

South on a road

100 to 140 ice 20' L @ 45° so my old Birch line  
stake on sand beach from which shore line  
runs S 45° W 100 then NWDrive N to Big stake where Town Line chain  
West on line on Town Line on Long Lake

1155 Feet to top of seawall. Note this

distance is 2035 LK vs = 1343.10 FT vs = 1155 FT

my chain is 188 short

However at apt 100 to 200 farther North  
the lake might be 100 ft widerThis leaves us still 160 ft short from MC on  
W side to NW Cor Sec 4-139-29

We call on Geo Cooke also Theo J. Albrecht

Pond Lake Store Backus P.O. who owns

Fractional NE 1/4 and Lot 2 Sec 15-139-29

also S 1/2 NW 1/4 Sec 14 on Hanel Lake

Albrecht sold 2 Tracts Surveyed by John

Green on Sand Lake Lake N 1/2 E 1/2 Sec 14

Lot 1 Sec 15

He has sold a 200 foot strip

Between the first 2 Tracts Paid Jim Flynn

\$10 in full for coming down and now Flynn

cannot furnish a description

I offer to coach up all of sec 15-139-29

@ \$200 and will pay Albrecht \$100 or half of

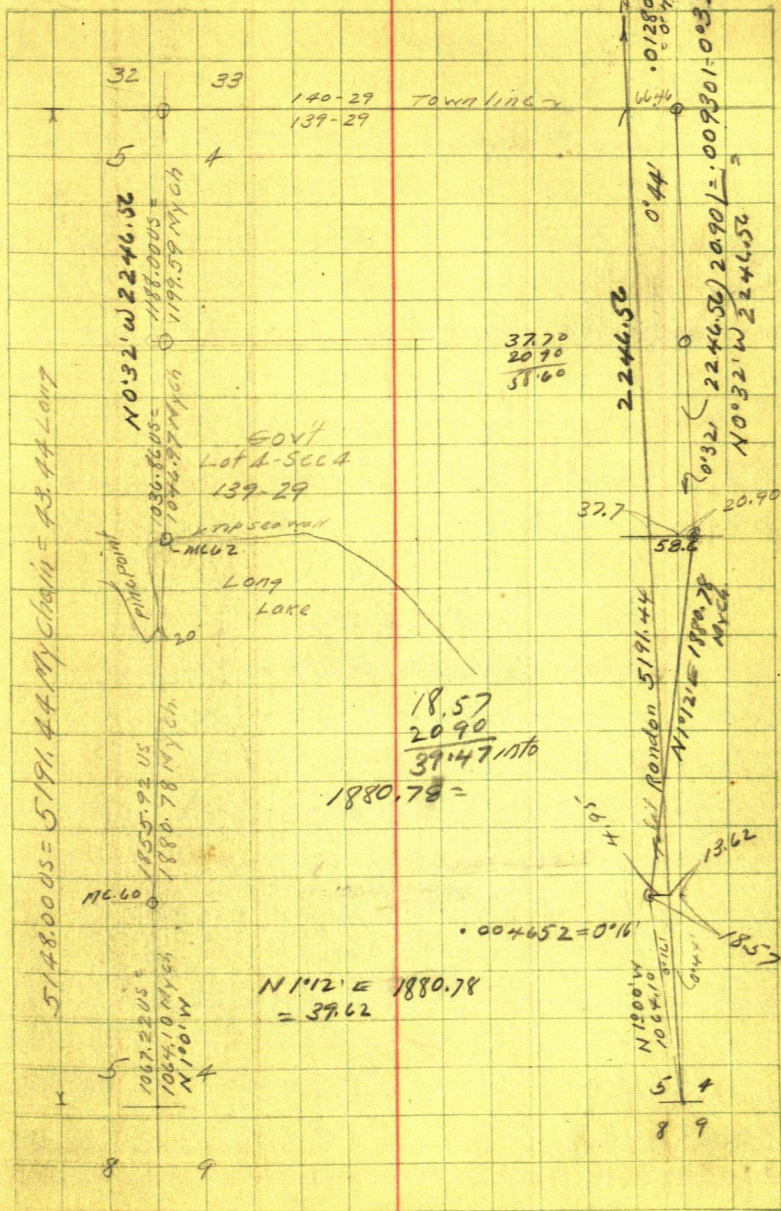
it if board me and cut the brush

He refuses to do this I promise to look up

Greens descriptions in Walker

Reed-Junior and I batching

John N. Curo



129

May 1-1935 Wed

①

Cass Co Minn

Ponto Point - Clarence Peterson

Carl Ryan Survey Fractional  $8\frac{1}{2}$  Sec 9-139-29

Up early - L. Brainerd 7-AM - Ar Jenkins.

8 AM. At 11-30 Carl R. Ryand and his car  
take S. P. Hanson to Walker (dinner at Pine  
River 35¢) P.M. Copy Plat Ponto Point at  
Walker Otto - Home to Jenkins at dark

May 2-1935 Thurs All AM in Jenkins  
PM. Drive to Ponto Lake 4 PM. Supper and  
over night at Peterson's Camp - Hoffman Bros.

May 3-1935 Friday

Mr Hoffman, Boss. furnishes one man - viz  
Wm Brody - Backus Minn - 21 Single Son of Kin  
Brody of Vinton Ia -

At Cor 8-9-16-17/39-29 Notes Call for  
BP 5 N 75 1/2 E 35 = BP 6 N 35 W 6 =  
" 5 S 42 W 17 = " 6 S 36 E 33

checked Aug 1-1939

We find  $2\frac{1}{2} \times 48$ " Capped Galvanized Iron  
Pipe set in a cement base set too high  
Top has been bent NW about 18" we try to  
straighten it Reference to base with AB.  
Dig up Cor Break it trying to straighten it  
Set the top 24" 4" below road level  
in cen of E wheel track

New Ties viz: POP 10 S 19° 25' E 83.00  
JP 7 S 40° 40' E 73.04 JP 8 N 63° 30' E 61.30  
40' SPIKE in Heart of 24" WP STUMP  
N 26° 33' E 75.10 Birch 4 N 21° 25' E 48.93  
Tel P 10 N 8° W 163.6 Tel P 6 S 52° 25' W 27.05  
Fence Runs S 89° 57' W 31.6 to Cor Post 8"  
x 6" 25' turned from road line East  
T. Spd at Base

John W. Curran

Board Sheet With					Paterson's Camp														
	1	2	3	4	SUN	5	6	7	8	9	10	11	12	SUN	13	14	15	16	17
May 1935																			
John W Curo	D.B.	S.L.	D	-	P					D	3	-	B B O P B	= 21					
Wm Brody	J.D.	S	-	-	-					-	-	-	O	-					
Walter Pehoski	D	-	-	-	D					-	S	-	S L S L S L S	= 18					
Zlo May Gramling	-	-	-	-	-					-	-	-	O	-					
<u>Time Sheet</u>																			
John W Curo	1/2	1	-	-	1/2 AM		1	-	-	-	1/2 PM		7	1	1	1	1	1	7
Car	M/L	18	-	-	FLOS 2 lbs car cer			-	-	-	40		18	10	10	10	10	10	10
EXR	-	-	-	-	GOS 80% New Old 24			-	-	-	-		O	-	-	-	-	-	-
Wm Brody	-	8	-	-	-			-	-	-	-		O	-	-	-	-	-	-
Cliff Peterson	-	7	-	-	1/2 P.M.		1/2	-	-	-	1/2 PM		O	1	10 Hrs	1	1	1	1
Walter L. Pehoski	1/2 PM	-	-	-	1/2 AM		1	-	-	-	1/2 PM		O	1	1	1	1	1	1
Zlo May Gramling	-	-	-	-	1			-	-	-	-		O	-	-	-	-	-	-
Fred Haaglund	-	-	-	-	-			-	-	-	-		O	1	1	1	1	1	1
Hector Provencher	-	-	-	-	-			-	-	-	-		O	-	2.H	-	-	-	-
Henry B. Olson	-	-	-	-	-			-	-	-	-		O	-	-	-	-	12 AM	-
Roy Stang	-	-	-	-	-			-	-	-	-		O	-	-	-	-	-	1/2 PM
John Bergstrom	-	-	-	-	-			-	-	-	-		O	-	-	-	-	-	-



May 4-1935 Sat

(4)

132

The Walter-Waller and I all day in Jenkins

May 5-1935 Sunday

Dedication Com @ pt bet 7-16 @ 39.0 E of  $1/4$  sec 101.2 W of MC

58 then N  $5^{\circ}40'E$  603.0 to

Place of Beginning: Then N  $5^{\circ}40'E$  97.0

N  $6^{\circ}25'E$  907.5 N  $28^{\circ}16'W$  445.7 N  $10^{\circ}16'W$  375.2

N  $27^{\circ}52'E$  14.30 N  $89^{\circ}52'E$  176.0 To shore Pontile Lk

The shore viz S  $0^{\circ}38'N$  170.9 S  $19^{\circ}32'E$  200.0

S  $33^{\circ}52'E$  700.0 S  $21^{\circ}52'E$  300.0 S  $11^{\circ}9'W$  116.0

S  $62^{\circ}10'W$  500.0 S  $21^{\circ}10'W$  306.0 S  $89^{\circ}32'W$  57.0

T. & Co. Rd Place of beg

Dinner @ Jenkins - 2 P.M. Ilo drives Wall & I

to Pontile. Beg @ 2700 E. Ch @ bet 7-16 - 3634.9

3-6-9 + 34.9 = 3634.9 I.M. MC N. 58. 2642.9

T139R-29



Close check 0.20 short 992.2 Horstch.

992.0 My chain From Hub 101.2 W of MC 58

Focus W. on Sec Cor-run N  $5^{\circ}40'E$  603.0 Hub & from

to pt fl West of SW Cor Lot 8. Find both

marks at so end Lot 8 set red flags. Horst's N.

$5^{\circ}40'E$  does not appear to fit.

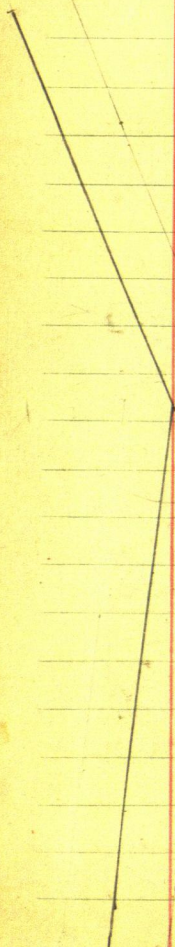
Ilo runs X. Wall and I chain Home Lake

H & B Transit 300' tape

Jahob A. Cress

133

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891.0 3  
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N 5°.40'E 603

101.2

273.2

202.9

8

100

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9

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188

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981

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961

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108.3

OUT LOT  
A

200.2

S 72°.12'W 550

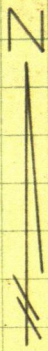
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82.3

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PONTO LAKE



134



May 7-1935 Tues. up @ 7:30 - Mattie cooking.

To Cross Lake - Webber - Storr - Stoff - Brunel

May 8-1935 Wed. Conley - Lx Ada

May 9-1935 I to and I to Park Rapids

May 10-1935 Friday.

11-15 AM. Walter L. Pehoski and I L. Jenkins

Dinner at Camp.

P.M. Pick up Clifford

Peterson.  $\pi$  @ MC 58 Focus W on SW Cor Sec

9-139-29. Ch W 101.2 Set 60' spike 0.25' x

of Hub on line line Spike = St 1.

Heller over Sta #1 Focus  $\frac{3}{4}$  x mile W

And run N  $5^{\circ}30'E$   $1603.2$  To St 2.

(Note: St 1 is 3533.7 E of SW Cor Sec 9)

Heller  $\pi$  over St 2 - 135 S  $5^{\circ}30'W$  Run

N  $24^{\circ}18'W$  421.4 To St 3.

St 3 Run N  $8^{\circ}21'W$  392.8 To St 4.

St 4 Run N  $28^{\circ}58'E$  193.3 To St 5

$\pi$  over St 5 Fence Cor N  $1^{\circ}50'W$  9.60

St 5 Run N  $84^{\circ}43'E$  @ 75.3 Hub @ 126.6

aporn 0.20 So of IM on W Shore Lx

Ada 2x48" IM Set by Dep Co. Surveyor

Horst for True E -  $\pi$  @ Sec 9.

Look for  $\frac{1}{4}$  Cor W Side Sec 9.

Supper at Camp Home L. Jenkins at

6-10 PM.

Jahn W Curo

137

May 11-1935 Sat

Up 8 am - Raining. Last night Walt and I figured Liavene and found 100. ft short. Must have dropped 100. ft bet Sta 1 and 2.

1603.2 must be 1703.2 See later

Rain all day - Copy notes

US Notes - 139-29

3-4-9-10:  $ASP 4N 83E 35 = 23.10$   $WP 20N 39W 164 = 108.24$   
 $NP 18S 60W 113 = 74.58$   $NP 21S 35E 88 = 58.08$

$\frac{1}{4}$  Bet 8-9 = R.T.C 35.  $BP 5N 87E 119 = 78.54$

$\frac{1}{4}$  Bet 4-9 = H.T. 44  $WP 20N 43E 120 = 79.20$

Night Club "Paul Bunyon Club"

Open till 2 am Sunday morning 8<sup>th</sup> p.s.

May 12-1935 Sunday - 2 am. Bar

closes - Rec 8 4. in full for Jenkins

Police Dept Sleep late - Raining

Noon - Walt and I drive to Gull Lk & back supper and overn. at camp

May 13-1935: Monday Cliff Peterson & Slim

(Fred Hoaglund) Curbline. Evening.  
 Walt and I @ Cor 3-4-9-10 - Find all points the  
 check o.k. for chain. Put in 2x30" Pipe 1. Ft E of  
 wheel track in line with N side of short road E  
 and in line with S side road a mile west  
 TICS: To IM. E Post of Gate 8<sup>th</sup> NE 39.65  
 Oak 7 NW 43.9 JP 3 SW 55.70  
 Birch 5 S about 30° E 58.10 Old BT stamps  
 check perfect for distance and not over  
 1° off for course 3 pin stamps no other  
 stamps near sleep at camp.

John C. Cune



139

(11)

May 14 - 1985 - Twp

Fred cuts E on S  $\frac{1}{2}$  line Walt and I line N  
Beg @ Pt 5.6 So of Cor 4-5-8-9-139-29 ch

East along graded road 3-6-9-12-15

18-21-24-27 Pins - 2750 - 58.8 - 2641.2 Hub

Spike on random cont E 30-33-36-3900

big 120" spike &amp; road - 42-4500 - 28.6 =

4471.4 Wood Hub - 45+1 = 4600 pin

49-5200 + 18.8 = 5218.8 Hub spike

5291.6 E IM Cor 3-4-9-10-139-29

Sets to 3.70 @ 2641.2 E ch E 46.75

2645.8 E Then N 0.95 ft set

 $\frac{1}{4}$  Cor bet 4-9-139-29

2x30" Pipe N Edge 8" wheel track and 3 ft

N of &amp; road - 3 ft E of Peet Kruckow's

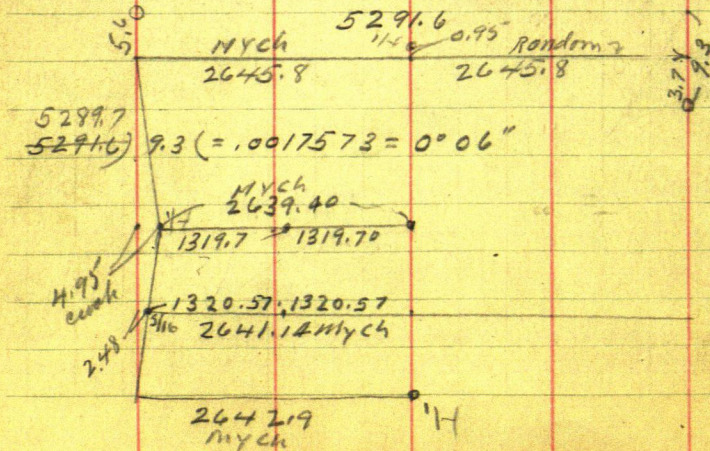
JP 6 N 70° 40' E 36.70

Fence JP 8 N 16° W 10.30

Pop 14 N 42° 20' W 62.75 JP 15 N 57° 10' W 88.45

JP 9 S 55° 20' W 25.70 old 1" pipe Lorne only

Stock light-beam N 46° 30' W 10.2 - pulled up



May 14 - 1935 continued

Beg @ 1/4 Cor W Side Sec 9 Ch E S89°E  
East parallel with So line 1093.2 Hub

Correction 0°04'45" = .0013825 S

Correction: @ 1093.2 E Ch So 1.51 Act <sup>6' N</sup> of line  
60 d spike on True Line @ 1319.7 E

set 2 1/2 x 40" Birch Stake in water  
Hole whd "1/16 Coro" @ 2000 E St.

2 x 10 Pine Hub 4 ft N of EW Fence

After Supper

1976.7 Screw in heart of 10" JP Stump

2000 + 125 = 2125 + 300 2 x 25 stake

+ 70.1 = 2495.10 Hub 2435 T.

2500 on Fence line 2425.0 + 214.3 =

2639.3 E IM Sels N 1.95 - @ 2725

Plk. Hector Provencher and Cliff  
Peterson work 2 Hours with Wolf and I

after supper (supper at 4.20 to 5 PM)

Still at camp

	2644.35	2645.8
	2642.90	2642.9
	<u>21529.725</u>	2) 5288.7
	2643.62	2644.35
	248	4.95
2)	<u>2641.14</u>	2) 2639.40
	1320.57	1319.70

141 May 15-1935 Wed <sup>(13)</sup>

Cliff and Roy Stang cut line E on &  
Walt and I with Henry Olson Beg @ S  $\frac{1}{16}$  Ch  
East on S  $\frac{1}{16}$  Line Sec 9-139-29

3-6-9 + 110.8 = 1010.8 Hub Correction =  $0^{\circ}02'22''$   
= .0006912-S 1010.8 Set 120 d spikes 0.70

1320.57 E goes so 0.91 To  $\frac{1}{16}$  Esw  $\frac{1}{4}$   
East 15-18 + 254.10 = 2054.10 Hub

Set Hub 1.42 So To True Line 21-24

2641.14 Set short red flag for  
True  $\frac{1}{16}$  Center of South Half  
Sec 9-139-29.

2700 - 2711.70 Hub 30-33-36 -  
+ 61 = 3661. Hub = 120' Spike 3684.5 E Road

P.M. - John Bergstrom works - Olson sick

Beg @  $\frac{1}{4}$  Ch W - 1321.45 Set 2 x 15' Pipe

W  $\frac{1}{16}$  Cor 7 ft N of & Road

Cliff - Roy and John cut line

North on W  $\frac{1}{16}$  line. Walt and I continue

East on S  $\frac{1}{16}$  line. at 3662. E Set 2 x 30'

Pipe 1 ft W of tel line and 22.5 W of &

Road and 174.2 S of Spike. 1500 N 5'30" E P<sub>9136</sub>

Being 1327.8 N 5'30" E from pt 101.2 W  
of MC 58" which pt is Sta 0" and 0.25 N of True

Sec Line P<sub>9136</sub> = Line Bet Gov Lots

3 and 4 Sec 9-139-29

May 15-1935 cont'd

Evening continues E on & S on 9-138-29

$$2725 + 111.7 = 2836.7 \text{ Hub} - 3025 -$$

$$3325 + 269.8 = 3594.8 \text{ Hub} - 4.8 =$$

$$3590. \text{ IM } 2 \times 15 @ 3594.8 + 7.5 -$$

$$3602.3 \text{ S to N } 5 \text{ P } \text{ Sels } 1.70$$

$$@ \text{ Big Post sels N } 7.80$$

$$3590 + 27.5 = 3617.50 \text{ \& Rood NE SW}$$

$$3590 + 85 = 3675.0 = \text{IM } 2 \times 30 \text{ on}$$

$$\text{E Brink } 3675.0 + 49.0 = 3724.0 \text{ M.}$$

2x36" Pipe 10.10 S of Pipe Set  
by Horst Balth in old sea wall

3736 New Sea wall NE SW

3750 water N. End Plot IM

Sels SW 194 + about half of rat

OK. Called 194.0 Full

Walter L. Pehoski eat supper at  
camp - 4-30 to 5.0 PM Then work till  
dark light finish. I show Peet Kruckow  
the lines. I police Jenkins - dance  
@ Paul Binyon Rite Club - small crowd.

2645.8

S 88° 50' 30" E

2645.80  
3652642.15  
1.95

2644.10

1322.05

S 88° 52' 52" E

0° 04' 45" = .00138

0° 04' = .00116

0° 05' = .00145 = 3.65 short

in 1/2 mile

5299.7

S 88° 55' 15" E

S 88° 57' 37" E

S 89° E 2642.9

COURSE

2.

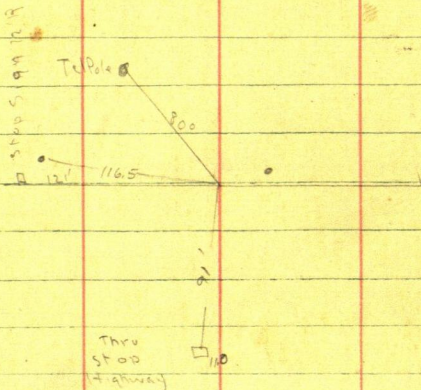
145

①

①

3-22-34

Notes



TELEPHONE  
218/828-1546

# ***SALT SALES***

**LEIGH REINER**

1006 E. WASHINGTON ST.  
BRAINERD, MN. 56401

WATER SOFTENER SALT, SUNFLOWER SEEDS, DOG FOOD, CHARCOAL  
WHOLESALE & RETAIL - WE DELIVER

750<sup>00</sup>

# E-Z LUMBER CO., INC.

Box 32 Highway 371 & 87

BACKUS, MINNESOTA 56435

(218) 947-3456

CUSTOMER'S ORDER NO.		PHONE		DATE	
				4-23 1981	
NAME					
ADDRESS					
CASH	C.O.D.	CHARGE	ON ACCT.	MDSE. RET'D.	PAID OUT
1 24 MAGH. PREHUNG					52.29
				LESS 1/2	52.3
					47.06
				TAX	1.88
SOLD BY	RECEIVED BY		TOTAL		48.94

2265

All claims and returned goods MUST be accompanied by this bill.

**Thank You**

Curve

$\Delta 90^{\circ}30'$

EX-94.0

Tan=224'

(2)

North

(2)

146

Level 550'  
From Int'ec.

Tw Road

Frank Highway

Cornfield

Tan

15'

16'

17'

18'

19'

20'

21'

22'

23'

24'

25'

26'

27'

28'

29'

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324'

325'

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327'

328'

329'

330'

331'

Wm and Maud King Auto Accident

Augst 27-1935 - 1-PM. Cor hit by

Oct 6-1935 I and Reed - Bill and  
Louis King - Nick Ritchie Survey  
Ackerman Corner

Heller  $\pi$  over Iron Pipe Cor 16  
4-5-32-33 T 137-138 N R 29 W Run  
North on E road bet 32-33-138-29

@ 50 <sup>corn</sup> vegetation 12' west L  
60 " 10' " L  
73 " 10' " L  
73 SE Cor Hole 20' west = L  
73 Tel PI 30.50 " L

100

200

214 <sup>corn</sup> vegetation 8 to 10' L

214 Corn Fld 16' L

214 TRUNK HY sign 15' L

214 Tel PI 31' L

300

400

436 vegetation 9 ft L - west

436 Corn Field 15' " "

436 Tel PI 31 " "

500 Top of hill Level N Brink

540 On N slope - Can see sig 0.0

540 Can see "stop" sign

600 on N slope

650 About - Foot of hill in reverse 10' deep

West: @ 110 To 150 Enter Tor surface  
Tor 18 To 30' wide - 31' in curve

South 90 Ft. "STOP" sign 12' R. west  
135' Enter Tor

NW N45°W 37' } To edge of vegetation 9m  
N73°W 40' } ft and Corn stacks  
N76°W 43' }

East. @ 88 oil spot 3' diam - 7' South = R.

4

148

9330'

32  
138-29

HILPI

15 15

+300' N

16

88

STOP

W. Road

+214' N

+200' N

33

+100' N

+73' N

HILPI

9330' corn

100W

224' N

200W

Co Rd

100E

88

86.45

90.5

100S

STOP 30' E

5  
137-29

7H

4

200S

22x5

300S

May 4-1936

John W Curo - Reed Curo

Wm and Maud King - Nick Ritchie

Re-check NECON Sec 5-137-29

West: Tar on So Side of  $\frac{1}{2}$  110 to 150 West

South: Stop sign 90 So 12' W Tar 135 So on W  $\frac{1}{2}$

North: Trunk Hiway Sign 214 N - 15' W

East: Oil Spot 3 ft diam  $\frac{1}{2}$  Spot 88 E 7' S  $\frac{1}{2}$

July 11-1941

7-8-17-18-139-30

580

Page 12 this book 226

Page 92 Book 234

151

RON &amp; DAN E. (DAN E.)

11/22/77

(1) SEC CUR @ 337.0

100

100.0  
20.0  
150.0  
67.0

337.0

(2) 180° @ 228.86

31

30.0  
20.0  
185.0

(3) 180° @ 600 + 279.88 = 879.88

150.0  
125.0  
90.0

(4) 180° @ 319.71

115.0  
160.044.71  
319.71

600.0

50.0

110.0

(5) 180° @ 507.26

100  
100  
150157.26  
507.26

50.0

40.0

29.88

(6) 180° @ 777.19

279.88

(7) 180° @ ~~1660.75~~ 1660.75

1655.0

+5.75

1660.75

367

200

170

40.19

777.19

150

78.86

(8) 180° @ 75.43 ~~1655~~

228.86

(9) 180° @ 191.18

1655.0

410.19

2065.19

A @ 4 BS 5 TR LT 134.00 47' 20 PINK ST

PONTO LAKE T 139 N. R 29 W SEC 8

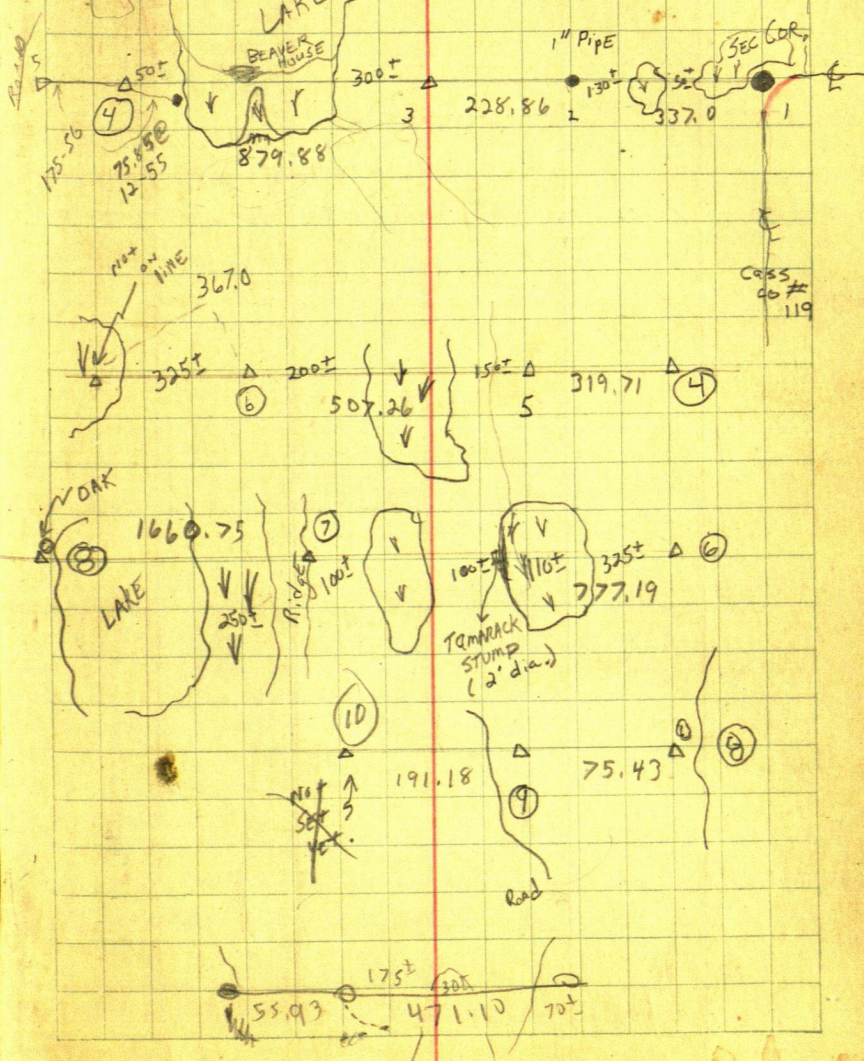
152

(North line)

US TIE TO MC #61  
ASP. 4 523 W 26.38'  
NP 20 N 86 W 89.30'

20.85 CH

Trail



153

Payl Gary Dan G

63-01  
126-01-50 63-00-53

① 359-36-46 66.97

② 337-37-20 41.90

? ③ 323-40-20 62.94

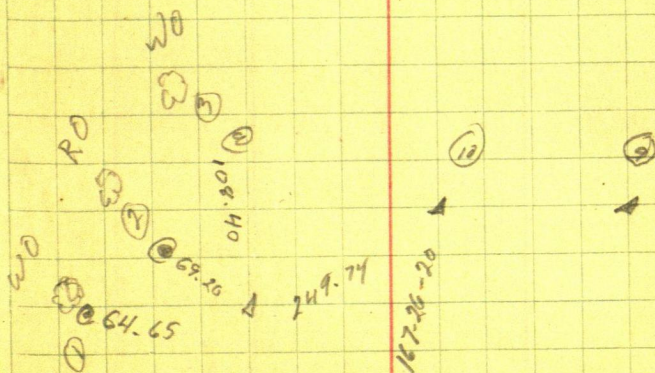
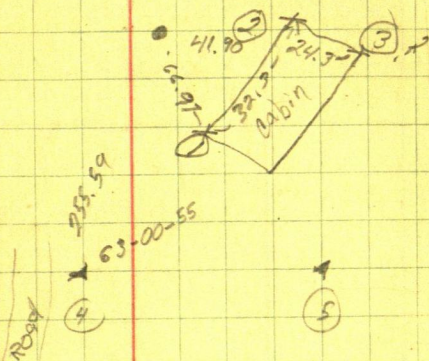
167-25-40  
334-52-40 167-26-20  
167-25-20  
334-52-50 167-26-25  
167-25-40  
334-52-10 167-26-35

NO ① 190-13-40 @ 109-57-20 64.65

RO ② 196-47-20 @ 103-44-50 69.2

NO ③ 208-12-15 @ 98-20-40 108.40

Dec 28, 77



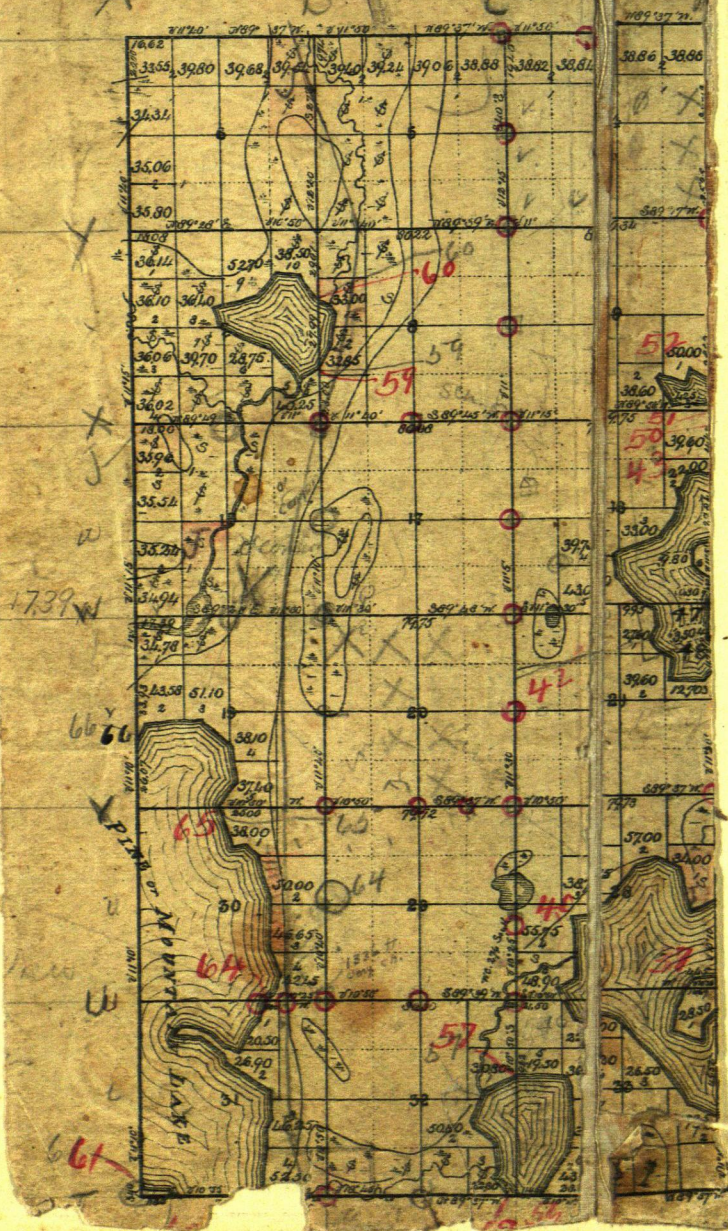
139-30

A

B

Township N<sup>o</sup> 139

Raz



$$\begin{array}{r} 8945 \\ 9320 \\ 9000 \\ \hline 27275 \end{array}$$

$$\begin{array}{r} 35900 \\ 27815 \\ \hline 8645 \end{array}$$

$$\begin{array}{r} 222.3 \\ 118 \\ \hline 224.1 \end{array}$$

26°

$$\begin{array}{r} 26 \overline{) 2223} \\ \underline{5779.9} \\ 32 \\ \underline{57} \\ 529 \\ \underline{32} \\ 197 \end{array}$$

222.3

$$\begin{array}{r} 95 \overline{) 256} \\ \underline{188} \\ 528 \\ \underline{470} \\ 589 \\ \underline{564} \end{array}$$

2.6°

$$\begin{array}{r} 27 \overline{) 214} \\ \underline{5779.9} \\ 54 \\ \underline{37} \\ 27 \\ \underline{109} \\ 108 \\ \hline 19 \end{array}$$

A	a	B	b	C	c	D	d	E	e	F	f	G
	$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$	
Y	6		5		4		3		2		1	9
X	$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$	H
x	7		8		9		10		11		12	4
X												I
w	18		17		16		15		14		13	
W												K
v	19		20		21		22		23		24	
V												L
u	30		29		28		27		26		25	
U												M
t	31		32		33		34		35		36	
T												N
	6		5		4		3		2		1	

$$\begin{array}{r} 214.07 \\ 27 \overline{) 5779.9} \\ \underline{54} \phantom{00} \\ 37 \phantom{00} \\ \underline{27} \phantom{00} \\ 109 \phantom{00} \\ \underline{108} \phantom{00} \\ 100 \phantom{00} \\ \underline{99} \phantom{00} \\ 100 \phantom{00} \end{array}$$

$$\begin{array}{r} 214.07 \\ 1.98 \\ \hline 216.05 \end{array}$$

$$\begin{array}{r} 26.7 \\ 90 \overline{) 2408.0} \\ \underline{180} \phantom{00} \\ 608 \phantom{00} \\ \underline{540} \phantom{00} \\ 680 \phantom{00} \\ \underline{540} \phantom{00} \\ 1400 \phantom{00} \end{array}$$

$$\begin{array}{r} 26.5 \\ 2408.9 \\ \underline{188} \phantom{00} \\ 628 \phantom{00} \\ \underline{564} \phantom{00} \\ 649 \phantom{00} \end{array}$$

D = 26°

# DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

Roadway 16 feet wide. Side Slopes 1 on 1½.

For Single Track Embankment.

H	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	H
0	8.0	8.2	8.3	8.5	8.6	8.8	8.9	9.1	9.2	9.4	0
1	9.5	9.7	9.8	10.0	10.1	10.3	10.4	10.6	10.7	10.9	1
2	11.0	11.2	11.3	11.5	11.6	11.8	11.9	12.1	12.2	12.4	2
3	12.5	12.7	12.8	13.0	13.1	13.3	13.4	13.6	13.7	13.9	3
4	14.0	14.2	14.3	14.5	14.6	14.8	14.9	15.1	15.2	15.4	4
5	15.5	15.7	15.8	16.0	16.1	16.3	16.4	16.6	16.7	16.9	5
6	17.0	17.2	17.3	17.5	17.6	17.8	17.9	18.1	18.2	18.4	6
7	18.5	18.7	18.8	19.0	19.1	19.3	19.4	19.6	19.7	19.9	7
8	20.0	20.2	20.3	20.5	20.6	20.8	20.9	21.1	21.2	21.4	8
9	21.5	21.7	21.8	22.0	22.1	22.3	22.4	22.6	22.7	22.9	9
10	23.0	23.2	23.3	23.5	23.6	23.8	23.9	24.1	24.2	24.4	10
11	24.5	24.7	24.8	25.0	25.1	25.3	25.4	25.6	25.7	25.9	11
12	26.0	26.2	26.3	26.5	26.6	26.8	26.9	27.1	27.2	27.4	12
13	27.5	27.7	27.8	28.0	28.1	28.3	28.4	28.6	28.7	28.9	13
14	29.0	29.2	29.3	29.5	29.6	29.8	29.9	30.1	30.2	30.4	14
15	30.5	30.7	30.8	31.0	31.1	31.3	31.4	31.6	31.7	31.9	15
16	32.0	32.2	32.3	32.5	32.6	32.8	32.9	33.1	33.2	33.4	16
17	33.5	33.7	33.8	34.0	34.1	34.3	34.4	34.6	34.7	34.9	17
18	35.0	35.2	35.3	35.5	35.6	35.8	35.9	36.1	36.2	36.4	18
19	36.5	36.7	36.8	37.0	37.1	37.3	37.4	37.6	37.7	37.9	19
20	38.0	38.2	38.3	38.5	38.6	38.8	38.9	39.1	39.2	39.4	20
21	39.5	39.7	39.8	40.0	40.1	40.3	40.4	40.6	40.7	40.9	21
22	41.0	41.2	41.3	41.5	41.6	41.8	41.9	42.1	42.2	42.4	22
23	42.5	42.7	42.8	43.0	43.1	43.3	43.4	43.6	43.7	43.9	23
24	44.0	44.2	44.3	44.5	44.6	44.8	44.9	45.1	45.2	45.4	24
25	45.5	45.7	45.8	46.0	46.1	46.3	46.4	46.6	46.7	46.9	25
26	47.0	47.2	47.3	47.5	47.6	47.8	47.9	48.1	48.2	48.4	26
27	48.5	48.7	48.8	49.0	49.1	49.3	49.4	49.6	49.7	49.9	27
28	50.0	50.2	50.3	50.5	50.6	50.8	50.9	51.1	51.2	51.4	28
29	51.5	51.7	51.8	52.0	52.1	52.3	52.4	52.6	52.7	52.9	29
30	53.0	53.2	53.3	53.5	53.6	53.8	53.9	54.1	54.2	54.4	30
31	54.5	54.7	54.8	55.0	55.1	55.3	55.4	55.6	55.7	55.9	31
32	56.0	56.2	56.3	56.5	56.6	56.8	56.9	57.1	57.2	57.4	32
33	57.5	57.7	57.8	58.0	58.1	58.3	58.4	58.6	58.7	58.9	33
34	59.0	59.2	59.3	59.5	59.6	59.8	59.9	60.1	60.2	60.4	34
35	60.5	60.7	60.8	61.0	61.1	61.3	61.4	61.6	61.7	61.9	35
36	62.0	62.2	62.3	62.5	62.6	62.8	62.9	63.1	63.2	63.4	36
37	63.5	63.7	63.8	64.0	64.1	64.3	64.4	64.6	64.7	64.9	37
38	65.0	65.2	65.3	65.5	65.6	65.8	65.9	66.1	66.2	66.4	38
39	66.5	66.7	66.8	67.0	67.1	67.3	67.4	67.6	67.7	67.9	39
40	68.0	68.2	68.3	68.5	68.6	68.8	68.9	69.1	69.2	69.4	40

**Example**—If point is 22.6 ft. above grade, how far should it be from center line to be a slope stake point? Ans. from Table 41.9. For same slopes but other widths of roadbed correct above figures by one-half difference in width of roadbed; thus in example above for 20 ft. roadbed distance will be  $41.9 + (20 - 16) \div 2$  or 2 ft. added to 41.9 = 43.9. For slopes of 1 on 1 see inside of front cover.

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