

273

LEAD BOOK

F 364

FBIK N^o 273

Paul Hordy 2nd Survey
Sec 31-138-28

Paul Hordy Book 273
and 265
and 455

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

The paper in this book No. F364
is made of 100% high grade rag stock
with a **WATER RESISTING** surface sizing.

1
Note:

This Book belongs to Curo
Engineers. If lost, finder
please return for suitable
reward

Notify Jack Curo or Harold Curo
at Walker Minn or Jenkins Minn
or any of the Curo family
a post card will do

The book is not worth a damn to
anyone except the Curo Surveyors

And listen:

Try to notify us as soon as you
find it We may need it now

Thank you.

John W Curo

and Harold J. Curo. Walker July 13. 1945

Time Pg 13-65

Board Pg 15

Maps Pg 17-17-

Old Surveys

Book 146

US Notes Bk 154 Pg 30

29-30-31-32-138-28

Tam 7 N 82° E 80' 52.90 ft

WP 16 N 40° W 97' = 64.02

Tam 8 S 55° E 20' = 1320

WP 12 S 65° W 14' = 10.56 ft

Barn Pg 31

July 13-1945

Hymes Lease?

Paul Hardy

Walter Schultz

3/
138-28

Hymes

Roy White

4.

July 12 1945

all day in Walker on old notes

Old Survey Books

2 P. M. Eat at

pull Walker

July 14-1945

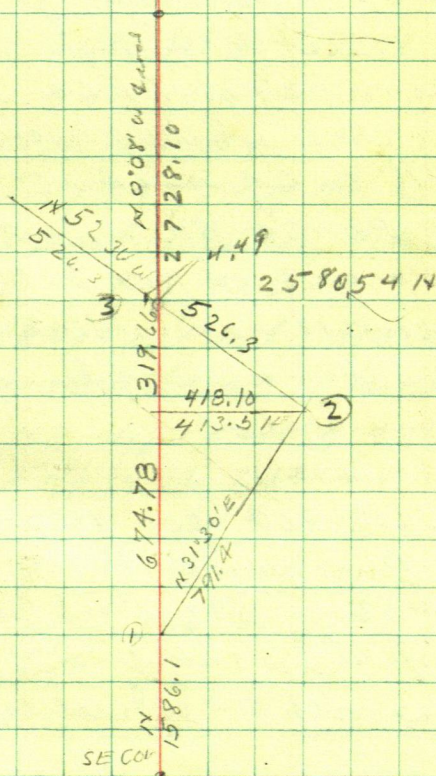
N $31^{\circ}30'E$ 791.4Sine $522499 \times 791.4 = 413.57 E$ Cosine $852640 \times 791.4 = 674.78 N$ N $52^{\circ}36'W$ 526.30 $52^{\circ}36' = 37^{\circ}24'$ Sine $607376 \times 526.3 = 319.66$ Cosine $794415 \times 526.3 = 418.10$

1586.16

674.78

319.66

1080.54



6 July 14, 1945

Harold and I eat breakfast with
Mrs Paul Hardy. @ 8-30 AM Lv in
my car. Zeboth in his car

joins us at SE Cor 31-138-28
where we dig up nail punch
I set last winter
for line corner.

Drive 80 rods north and set
Buff π over pt under flag Harold
and I set yesterday

BS so on flag at SE Cor Sec 31
and chain what we assume as
NORTH on $\frac{1}{2}$ graded road

Romsey St Road
Harold and show Rev Zeboth
how accurate we want to chain
he helps chain a part of line where
ground is level

North (assumed)

$$300., 600., 900., 1200., 1500 - 83 =$$

1417 fence runs East

$$1500 + 83.1 = 1583.10 \text{ Hub St 1}$$

= 60' spike on shoulder of road
in line with $\frac{1}{2}$ of wheel track 5

1586.11

1417.

169.1

from fence

Sec 31-138-28- Saturday July 14-1945 7
continued

Ties to Sta 1.

20" Jack pine S $8^{\circ}20'E$ 160.25

12" Birch S $23^{\circ}42'E$ 69.35

14" J.P.S $47^{\circ}19'E$ 81.98

all 2 spots chained to spot at base

& road in curve 12 ft East

Sta 7, Run N $31^{\circ}30'E$ To Sta 2

@ 300 pin @ 400 road curves NW

@ 500 road is 12' W to &

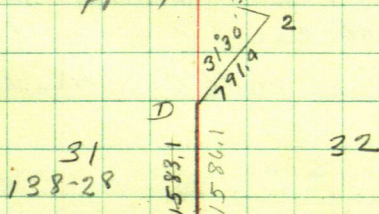
600 pin + 191.4 = 791.4 Hub 60 d

spike in East of Ramsey Schultze cornfield Ties To Sta 2

Turn W.R. 9x9 m to line N $1^{\circ}30'E$ 75.2

12" Birch N $72^{\circ}11'W$ 134.3 Birch

stands 10 1/2 steps East of & Road stepped off by Mr. Zeborn



8

Sta 2 Run N $52^{\circ}36'W$ 526.3 T. 81 3

@ 210 \angle road bears SE x NW

@ 276 \angle of so half of small
bridge Dead water runs S

@ 300 pm in road so wheel track

@ 470 \angle road 12' S

@ $300 + 226.3 = 526.3$ Hub 8/9 3

= 60 \angle spike 2' W of west wheel track
in curve

Ties to Sta 3.

Big SW Cor post of fence running

Post - 10' poplar bears

N $4^{\circ}31'E$ 118.2 To side of post

2 inch Elm N $65^{\circ}33'E$ 24.75

Road half a mile N bears N $40^{\circ}08'W$

Rev Zebach and Harold

drive and set Hub on top

sake in line and set Hubs

along road

Rev Zebach cannot work this pm

Dinner With Paul Hardy

July 14th 1945 continued

9

12 Tol. drive

PAH

Paul Hardy sends Andrew M.
Ingberg Rt 1, Pine River ^{4 mi E of Pine River} Minn
(who is also working for Paul)

1 PM LV Hardy res

Call at Roy Whitlitz's grind
Andy's age 10 minutes and drive
N over Sta 3 Run $N 0^{\circ} 08' W$
along narrow graded road.
bet secs 31-32-138-28

Ramsey Schultze Road

$2\frac{1}{2}$ +- miles long

$N 0^{\circ} 08' W @ 118.7$ Hub 60' spikes
in line with old fence running E

Harold + Jess with 300' tape

@ 300-600-900 pin - 138.5 = 766.5 Hub

1200-pin 1500 Hub on rise

1800-2100-2400 pin 2400 + 3.60

2403.6 Hub on tape

Turn

$2400 \times 100 = 2500 \text{ pin} + 228.1 = 2728.1$

Hub 60' spikes in line with old fence
East on CCC cut out line dim now

10

July 14-1945 continued

29-30-31-32 - 138-28

US Notes Say

North Bet 31-32 U $9\frac{1}{2}^{\circ}$ E

@ 1300 LKs Ent Tam Swamp. E-W

3400 LV EW

40.00 Set $\frac{1}{4}$ Pat.

Bich 55 55° E 25

Spr 7 8 45° W 20

US Notes

8000 Cor 29-30-31-32

Tam 7 N 82° E 80 = 52.80 ft

WP. 16 N 40 W 97 = 64.02 "

Tam 8 55° E 20 = 13.20

WP 12 S 65 W 15 = 10.56

West Random bet 30-31 \checkmark $9\frac{1}{2}^{\circ}$ E

4000 Temp $\frac{1}{4}$

50.40 Shiem 25 W. 1/2 m S.

8009 Rang Line 15 A of Cor

East line line bet 30-31 \checkmark $9\frac{1}{2}^{\circ}$ E

4009 $\frac{1}{4}$ Br Oak 12 N 6° E 40

WP 20 S 67 W 32 =

8009 Cor 29-30-31-32

Paul Hardy 31-138-29

11

Harold and I leave Andy
to cut brush around cor 29-30-31-32
138-28. Drive 4 miles.

We use Machine to Figure
Get back @ 6-15 PM and find
Andy gone. Pack K & C in Car
Over like And near Paul Hardy res.
Andy got in 9 Hours for Paul
But only

5 Hours 20 minutes with us.
Rev 2 cabth worked 8-30 to 12
3 1/2 Hours

Harold and JMC figure at
our Trailer House till 7-30

Eat Supper with Mrs Harold

Then drive to Walker

Over night at home in Paddock
Ho. Walker now rented by Harold
\$50 from Harold from her ch for 900

John W Curo

12

July 15-1945 Sunday all day at Walker

3 PM Harold and I go to CHo

Search old field Book copy notes

till 10 PM - 7 Hours No supper

no charge for this

$$\begin{array}{r} 6.35 \\ 5.50 \\ \hline 11.85 \end{array}$$

$$\begin{array}{r} 2728.10 \\ 6 \\ \hline 2734.10 \end{array}$$

$$\begin{array}{r} 1586.10 \\ 674.78 \\ \hline 319.66 \\ 2580.54 \\ \hline 2728.10 \\ \hline 5308.64 \\ 6.00 \\ \hline 5314.64 \end{array}$$

$$5314.64) 11.85 = 003082$$

$$= 0^{\circ} 10''$$

$$3082 \times 1586.1 = 4.89W$$

$$" \times 2580.54 =$$

$$\begin{array}{r} 794 \\ 449 \\ \hline 3.45 \end{array}$$

$$008' \text{ Tang} = 002327 \times 2734.10 = 6.36$$

$$+ 514.3$$

$$\begin{array}{r} 4.49 \\ 10.85 \\ \hline 5.36 \\ 16.35 \end{array}$$

$$5314.64) 16.35 = 003076 = 0^{\circ} 10''$$

$$1) 3076 \times 1586.1 = 4.88$$

$$3) 3076 \times 2580.54 = 794 - 4.49 = 3.45$$

$$\begin{array}{r} 5314.64 \text{ Total} \\ 2580.54 \\ \hline 2734.10 \end{array}$$

Time Sheet Working For Paul Hardy et al

Harold get 15 a day + Board as Tech JWC. 9 am hours + 15.00 Apt-
 July 1945- 13 14 (Sun) 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 11th

Pr Hm

1.87 1/2

51.

Harold J. Curo 4 8 0 8 9 8 4 8 10 0 4 9 10 1/2 4 - 0 8 8 9

John W. Curo 4 8 0 8 9 8 5 8 10 0 4 - - 0

Car @ 2.50 day 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1

Exp - - 0 85⁵² - 85⁵² - 0

Rev Zeboah - - 0 - 8 7 9 8 0 8 9 1/2 11 5 - - 0 5 8

Zeboah Car - - 0 1 - 1 - - 1 0 1 1 1 - - 0 1 1

Amshall Ingersberg - - 0 - 8 8 7 9 8 0 8 9 1/2 - 4 - 8 0 9 8 9

" " Car 0

Sept 10 on Barn pg 31-57

June 6 1/2

July 6 1/2

Aug 6 1/2

Continued on Page 65

July 16-1945 Monday

7-30 I call Paul Hardy from
Lk Shore Hotel Walker Pay 300

15 for gas to Pine River

We are to eat dinner with Rev

Zebath 9-30 find Rev Zebath and

Andy Ingberg cutting fence line

for Hardy 50 N of E State Road

Meet Paul at 10 am

Harold and I drive N to Cor

29-30-31.32-138-29 US Notes

US Notes Pg 10, this book Call for

Tom 7 N 82° E 80 = 52.80 ft

Whitepine 16 N 40° W 97 Lm = 64.02. // OK Stomp

Tom 8 S 55° E 20 = 13.20

W.P. 12 S 65° W 15 = 10.56 OK Stomp

We find stomps of old US BTS NW and SW
from which we set the True Corner
by flat chain from face of old stump.

Drive 1x20" iron for true cor

2 ft west of west wheel track

6 ft north and 5 1/2 ft west of

Temp. Cor which sets in line with

old fence running E

Board With Mrs Paul Hardy

July 1945

Harold

Jack

1945

Sept 1

gwc

Forward

Miller

May 27th

27A

2789101112

1946

15-

16

Second Survey

July 16-1945 cont'd we drive
So and East 10 RR spike set
last year Total So line Sec
31-138-30, by bridge

Book 265 Pages

We find our old RR spike
and set ball finch

Drive West and eat dinner
with Rev Zebath

Met "Mike" Schultze at Raysey's

P. M

Andy arrives and we all L 1-PM

Andy + Zebath cut along road For Hardy
Harold + Joe drive east and figure

S/51. goes west 4.88

r 3 " " 3.45 P 912

4984.14 "

1/4 Paul Hardy & Co

17

.66
2
59.4

5285.94 US
188-28

1325.94 US

1320 US

1320. US

1320 US

Paul
Hardy
40

160 Rented
By
Hardy and
Hyams?

Paul
Hardy
40

Walt
Schultz 80

(31)

32

Paul
Hardy
40

Roy White
40

70

Paul
Hardy
40

Roy
White
40 9217.30

0058
2563.20
OK

1378.2
1/4

1378.2
2756.4

18

$$0^{\circ}08 = 002327W$$

S163 To Top of hill is 2403.6

$$2327 \times 2403.6 = 5.59W + 4.49 = 10.08$$

$$\begin{array}{r} 4.49 \\ 1008 \end{array}$$

$$0^{\circ}10' = 3076 \times 4984.14 = 15.33 - 5.59$$

$$\begin{array}{r} 5.59 \\ 9.74W \end{array}$$

$$\begin{array}{r} 2403.60 \\ 2590.54 \\ \hline 4984.14 \end{array}$$

$$\begin{array}{r} 16.35 \\ 10.08 \\ \hline 6.27 \end{array}$$

S16 x on top of Hill goes W 9.74

$$4) 5314.64 = 1328.66$$

$$1328.66 - 2657.32 - 3985.98 - 5314.64$$

To be raked in later

pg 12

Sta 1. we set West 4.88

" 3 " " 3.45

" x on Top we set West 9.74 ^{9.25} 6.27

set set flags at all 3 points

$$0^{\circ}08 = 2327 \times 2734.1$$

31-138-29

19

$$\begin{array}{r} 449 \\ 559 \\ \hline 1008 \end{array}$$

5.50
16.35
2734.1
6.0
6.36
4.49

$$\begin{array}{r} 6364 \\ 449 \\ \hline 1085 \\ 550 \\ \hline 1635 \end{array}$$

X 1008 2403.6
559 4.49

5214.54

$$\begin{array}{r} 559 \\ 449 \\ \hline 1008 \\ 794 \\ \hline 748 \\ 346 \end{array}$$

2403.6

N 00° 00'

4.49

Leased
By
Hardy
& Co.

Hardy
Roy
80
White
Schultz

87 1/2

BK 265 PG

Extended

20

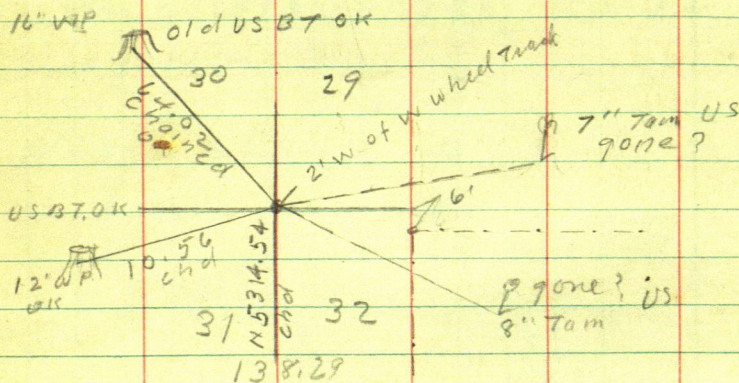
$$0^{\circ}08' \text{ Tang} = 2327 \times 2734.0 = 6.36$$

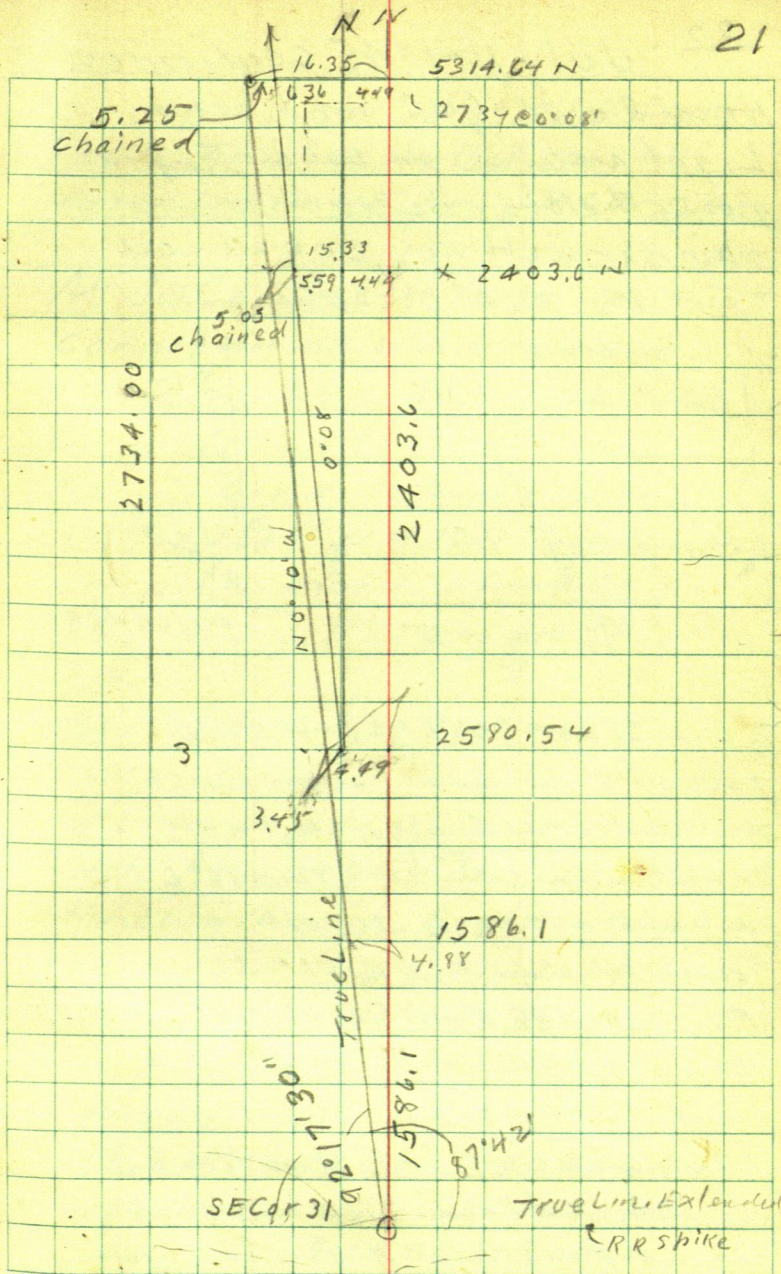
K over true SECOR 31-138-28
 NE Angle Reads $87^{\circ}42' - 175^{\circ}24' +$
 $263^{\circ}07' - 350^{\circ}50'$

4) 350 (875

$$\begin{array}{r}
 32 \\
 30 \\
 24 \\
 \hline
 20
 \end{array}$$

Cutout Lin S Reads $50^{\circ}1^{\circ}32'$
 From to Lin Sec 31- Extended E
 US Noles P914





22 July 16-1945 continued

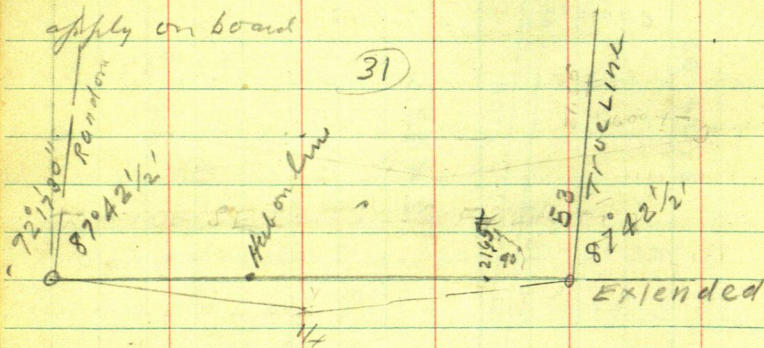
Harold and JWC work alone

Light rain in am but we keep on going % cloudy weather

Dinner with Rev Zeback & wife

I give Mrs Z. \$1. but does not apply on board

(31)



X OVER SECOR SEC 31 FSE on RR spike

Transit Telescope and extend line

west set RR spike about 600 ft +- W

RR spike in N half of road turn 90° L

put spot on Tel pole 21.65 out

on west slope of big hill

F.S. E thro SECOR Sec 31

Harold and Car drive 3/4 mile west

and set Hub on line

Flag @ SW Cor Sec 31 is hard to

see - Harold holds big white map

behind Flag @ SW Cor 31 over line from

top of big hill hits flag @ SW Cor
 Sec 31 Twp Cor so that our
 extended line E from SE Cor is OK

At SW Cor Sec 31-138-28

cannot dig up old spike set
 last year so we chain from old
 fence Cor on N side of Bill King
 Fence Cor on So side of road
 101.90 - @ 51 ft N of Bill King Fence
 cor set 60 & spike a foot so of
 what appear to be & of Big Stone
 Road

Old spike set by Paul and I
 last winter must be within 4 inches
 of our new SW Cor Sec 31-138-28

Note At SW Cor 10-31 - Twp Cor
 there was a rock (Book 34) Palmer
 survey but to-day it must be more
 than 3 ft down in big fill
 and we cannot dig it up

Paul & wife in Brainerd

supper at Hardy Res (bread and milk
 with the kids OK) hauled help's kids
 milk cows 9-30 T. 6-3-8 Hours

24

July 17-1945 Tues

Wf. @ 6 AM Slept in Trailer Ho at Hardy Farm

Breakfast @ 7.50 Lv at 8

Figured check on angle Pg 20

87°	42'½
174	84'
175°°	- 66
- 87°	24' +
262	42
<u>1</u>	<u>66</u>
263°	60
87	07
<u>350°</u>	+ 43
	48 = 350°50

OK Pg 20 This Book

87°42'½

Paul brot Mrs

Muensen home with him last night

Mrs Paul stays in Beamed where

Paul's boy is to have his

2nd operation at 8 this morning

Rev Zeboth with her car follow

Harold and JWC in the car

up the Ramsey Shultz's road

and cut out a few small trees on

west side to give us a clear line

from Sta 3 - North to NE cor

Sec 31-198-28

North on True line bet 31-32

138-28 work Buff π on line on

Top of Big hill West of Hub

2403.6 P9 21 set 60 d spike under

π then sep back 20 or 30 ft So

and set 60 d spike and flag on

true line Pack π to 1x20" bolt

at true Cor to 29-30-31-32

138-28. BS So on true line

and start random

S $87^{\circ}42\frac{1}{2}'$ W 300 ft and set
60 d and picket

Parallel to So line of Sec 31

π still over true Sec Cor

New ties:

Stump of old BT, br N $46^{\circ}45'$ W 64.02

= 16" WP P9 14

Old BT Stp S $51^{\circ}43'$ W 10.56

Page 14

Note. This cor set by flat Ch
from face of old BT stump

which is the true procedure in

"Measurement Hold over Courses"

in most cases

26

29-30-31-32-138-28

Pop 9 N $32^{\circ}41'E$ 79.55

W Oak LN $44^{\circ}19'W$ 81.58

Pop 6 S $50^{\circ}28'W$ 26.82

Pop 8 S $35^{\circ}14'E$ 77.90

NW Cor Old Fence

S $70^{\circ}47'E$ 14.90

Cor set 5.8 N and 5.25 W

@ Road 4.2 E

@ wheel track 1.6 E

All turned from line
line so

Set $2 \times 18"$ pipe

11-30 am

12.00 noon Have dinner at

Paul Hardy res with Mr Hynes

12-50 10 M

Andy + Rev Zebath cut line
North on old fence on Range

Line bet 31-138-28 and

36-138-29

Watt Schultze says. I once
set IWS at NW Cor 31-138-28

5-6-31-32-137-138-28

Effie Parmer Book No 34

Page 72 says:

April 14 1927 we set this cor
which is now covered with
a three foot fill on State
Road 100 feet wide.

old value on Pg 72 Bk 34 call for
new BTS,

Spike in coat of US BT Stump
N 42° 12' E 24.75

Oak 5 N 62° 55' W 84.95 ft OK

Spike in 15" W.P. Low Stump

S 37° 47' W 51.45 ft

Pop 2" S 30° 45' W 48.40

Spike in coat of 6" Oak S 26° 44' E 47.00 OK

Last year Paul Hardy and
Jack Curo Re-established this
cor from spike in NW + SE new BT
and set nail set for line cor

We found this nail set
yesterday 3" down Today
July 17th 1945 Harold Hare to
chain in to find it

28

run north

2580.54

118.7

2699.24

N 1/16 Be 31-32-138-28

Sta 3 P95 is 2580.54 N

Stake in bed 1500.00 N

15

4080.54 N

3985.98 P918

94.56

From 4080.54 we ch to 94.56

to 3985.98 N Raked in

Hit Rock and set RR Spike True 1/16

bet 31-32, 138-28 in W shoulder of road

6 ft W of E and 3 ft W of wheel track

New True

W Oak 4 N 76° 56' W 26.75

W Oak 4 S 20° 52' W 55.28

Turned from True line N-S

1/4 Bet 31-32-138-28

Raked in

Sta 3 P9 P95 is 2580.54 N + 118.7

P99 = 2699.24 from which are

ch to 2657.32 P918

41.92 S

Drive 2 x 15' pipe one ft W of E of N-stake

42 ft S of old fence E

56.71

101.25

57.72

29

1/4 Bet 31-32-138-28

New Ties SW Cor Post old fence P99

Leas N $17^{\circ} 38' E$ 42.90 To SW SidePop 12° S $61^{\circ} 13' E$ 57.72Ramsay and Mike drive north to
old homestead I get water at Ramsays

So 1/16 Bet 31-32-138-28

Town Corrected Hub near

From Random Hub 1586.10 Ch to P97

~~1328.66~~

P118

257.44

To 1328.66N

Drive 2x15" pipe 1/2 foot-E of C
NS Road 10.4 N of old Fence East
New tiesJP 18 N $15^{\circ} 46' E$ 101.25Pop 9 S $56^{\circ} 43' E$ 56.78 ft

Turned from line line N-S

I show Mike and Ramsay the

S 1/16 bet 31-32-138-28

S. P. M. July 17-1945

John W. Curo
Harold J. "

138-28

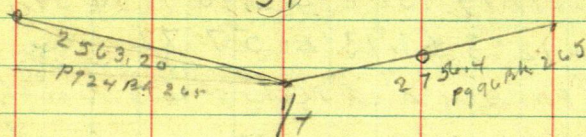
30

July 17-1945 contd

1/4 So side 31-138-28

Book 265 Page Last year's

(31).



See Bk 265 page 94

JP 10 N 61°3' E 60.50

JP 9 N 42°17' W 88.55 = 88.65 Rk ch

We chain in - dig but do not find it

Drive to Paul Hardy's on old Huss
Farm @ 6 P.M.

9 full hours

Note. Today a Fox crossed the
road 300 ft So of RamseySchultz Road @ 4 P.M. and at
5 P.M. he again crossed going EFine cool cloudy weather the
past three days. Supper with Paul
Cook - Mrs. Munson Chicken for supper
Paul returns from Bearmead about

7 P.M.

JMC

Harold J. Cook

July 18-1945

Up at 5.45 in Trailer House
 punch Harold and he roles out
 at 7. Breakfast @ 7.30 Lv at 7.55
 drive So and try to find my old
 spot on hill half a mile So of H
 on N side Sec 6-137-28 Pg 94 Bk 265

Barn

Note: Mr Hymes wants to know if
 the HUSS Barn stands N x S as
 Paul wants to build a new Barn
 50 ft +- East of the old barn

MERIDIAN

I will use the Range Line of
 this Twp. West Side Sec 7.12
 137-28 as Meridian The West
 Side of Sec 6-137-28 is almost
 the same as Sec 7 as the Twp Cor
 is only 11.95 ft west of NW Cor Sec 7

All Carried up in Palmer Svy

Bk 34

(Barn)



Continued To Page
 57 This Book No 273.

Harold + JWC drive N + W
To NW COR

At 1/4 COR on So side 31-
138-28 we dig up our old RR
spike which sets 6ft + - So of
& EW State road 100ft R of W
Pg 30 this book We set 2x14"

pipe 2" below ground True 1/4
where we set flag and drive
80 rods find 60' spike which
checks perfect with new ties

on Pg 96-Book-265 we
drive 2x14" pipe about E & W road
two inches below ground

East 1/16 bet 6-31-137-138-29

Pg 96 Bk 265 call for

10" J.P. N 16° 12' E 101.70 To spot at base

6" " N 41° W 113.35

Bridge NE COR N 89° 10' W 168.05

NW COR N 89° 50' W 210.35

SE COR S 84° 10' W 168.2

SW COR S 84° 50' W 210.25

Taken from the end of 8x8 timbers
balled inside the Bridge rails
Turned from TRUE North

Cont'd 93° 11' = 93° 11'
 July 18-1945

92° 71'
 92 17 1/2
 00 54 ket flag 33

Put flag in E 1/16 and pack T E
 to Top of west slope of hill where we
 work T on line bet 1/16 and Cor to

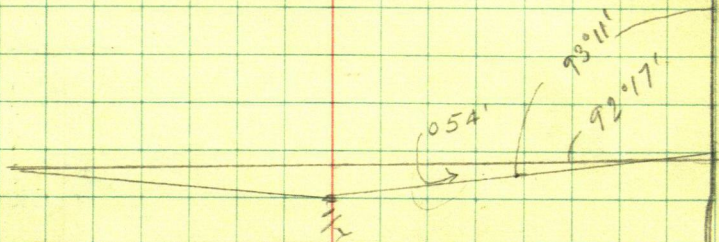
5-6-31-32-137-138-1428

where Harold set the Buft T
 in perfect adjustment and take
 NW angle. Sight North on true
 connected line bet Secs 31-32-138-28
 NW angle to flag on straight line
 clear thro amib bet Cors

Reaches 92° 17' - 185° 28' - 279° 39'
 and 371.50

Then to flag in line with 1/4 Cor
 93° 11' 186° 22' - 279° 32' - 372° 44' =
 = 93° 11'

60° spike on each line 600' W +



34

31-138-28

5314.64

3985.98

ASSUMED

2657.32

NORTH
P09218

1328.66

93°11'

92°17'30"

S 87° A 21 30° 12 15

2756.40

1378.2

586° 49'

87° 12'

EXCLUDED

July 18-1945 cont'd

Change of Meridian
For Sec 31, onlyTrue East Line assumed as
North

$$\begin{array}{r} 179^{\circ} 59' 60'' \\ 87^{\circ} 42' 30'' \\ \hline 92^{\circ} 17' 30'' \end{array}$$

$$\begin{array}{r} 179^{\circ} 60' \\ 93^{\circ} 11' \\ \hline 86^{\circ} 49' \end{array}$$

$$\begin{array}{r} 93^{\circ} 11' = 92^{\circ} 71' \\ 92^{\circ} 17' \\ \hline -0^{\circ} 54' \end{array}$$

$$\text{Since } 0.15707 \times 2756.46 = 43.29$$

$$\cos 999877 \times 2756.46 = 2756.06$$

$$\tan 0.15709 \times 2756.06 = 43.29$$

Try 0.58

$$\text{Since } 0.16871 \times 2563.2 = 43.24$$

$$\cos 999858 \times 2563.2 = 2562.84$$

$$\tan 0.16873$$

$$\begin{array}{r} 2562.84 \\ 2756.06 \\ \hline 5318.90 \end{array}$$

July 19-1945 THURS

North but 713843 28-29 along creek

fence 677.2 Hub 911.50 - @ 1150 ent

meadow NE 800 W 1250 L SE SW

1355 Hub 1832.7 Hub 2201.2 Hub

2476.4 Hub 854 for pockets

Harold . 4 Hours

p913

JWC

5 Hours

Nolan re

"

Car

July 20-1945 Friday

37

Up @ 5:45 am Breakfast 7 am Paul Hardy
to Pine River at 8-15 - Meet Harold
at Bus from Walker 8:47 am

Harold & I at

\$2.25 to Barhu 82 for I m 5 at

Blacksmith shop 10 am taking
angles @ SW Cor 31-138-29

Dinner with Hardy

PM

Harold - JWC - Andy & Preacher

LI @ 1 PM - Nebath parker $\pi \frac{1}{2}$

mi, N - Harold I & Andy drive
around West to Res then on old

hay road to NW Cor 31-138-29

Big @ 2400 stake 2476.4 Ht 2700

Ht 3000 - Ht 3103.5 cross EW fence

30+ 3164.5 Ht 3177. Only field

150 ft - W from SE Cor

3300 Ht in field 3540 hnt 3550 4v field

3670 Hay road NE SW 3900 Ht

4200 Ht 4370 hnt field E 4500 Ht

48-51 pin 5400 hnt in meadow

π over 5400 Sec Co NW Cor 31 bear

N 55° 47' E 227.93

Quit 5:30

38

July 20-1945 cont'd

5528.11

188.40

128.11

128.11

55°47'E

227.83

5400 N

N 27.03
31-

$$55^{\circ}47' = 34^{\circ}13'$$

$$\text{Sine } 52324 \times 227.83 = 128.11 \text{ N}$$

$$\text{Cor } 826917 \times 227.83 = 188.40$$

$$\text{Tang } 680025 \times 188.40 = 128.11$$

$$4 - 5528.11 / 188.40$$

$$5528.11 / 188.40 = .03408030$$

$$\text{Tang} = 1^{\circ}57'$$

$$1382.03 - 2764.06 - 4146.09 = 5528.11 \checkmark$$

$$\checkmark \text{ Hat } 1355 \text{ gms N } 27.03 \text{ T. } 1382.03 \text{ Then E } 47.1 \text{ S } \frac{1}{16} \checkmark$$

$$\checkmark 2700 \text{ gms N } 64.06 \text{ T. } 2764.06 \text{ Then E } 94.20 \text{ T } \frac{1}{4} \text{ Cor}$$

$$4200 \text{ gms S } 53.91 \text{ T. } 4146.09 \text{ Then E } 141.30 \text{ N } \frac{1}{16} \text{ Cor}$$

$$\begin{array}{r} 5528.11 \\ 2764.06 \\ \hline \end{array}$$

1°57'

Range line Ac 31-138-28

Correction

39

1° 57' = .034047	
034047 X 677.2 =	23.08 E
911.50	31.06
03408036	
X 677.2 =	23.08 E To Line
X 911.5	31.06 "
X 1355	46.18 "
1832.7 gon	62.46 L
2201.2	75.02 L
2476.4 N gon	84.40
2700	92.02
3000	102.24
3164.5	107.85 L
3300	112.47
3540	120.64 L
3900	132.91
4200	143.14
4500	153.36 L
5400	184.03
5528.11	188.40

40

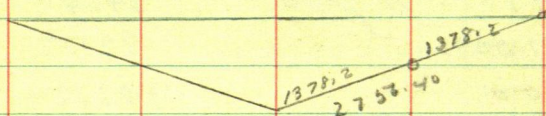
July 20-1945 continued

@ 5-30 back to Cor 6-PM at home Paul

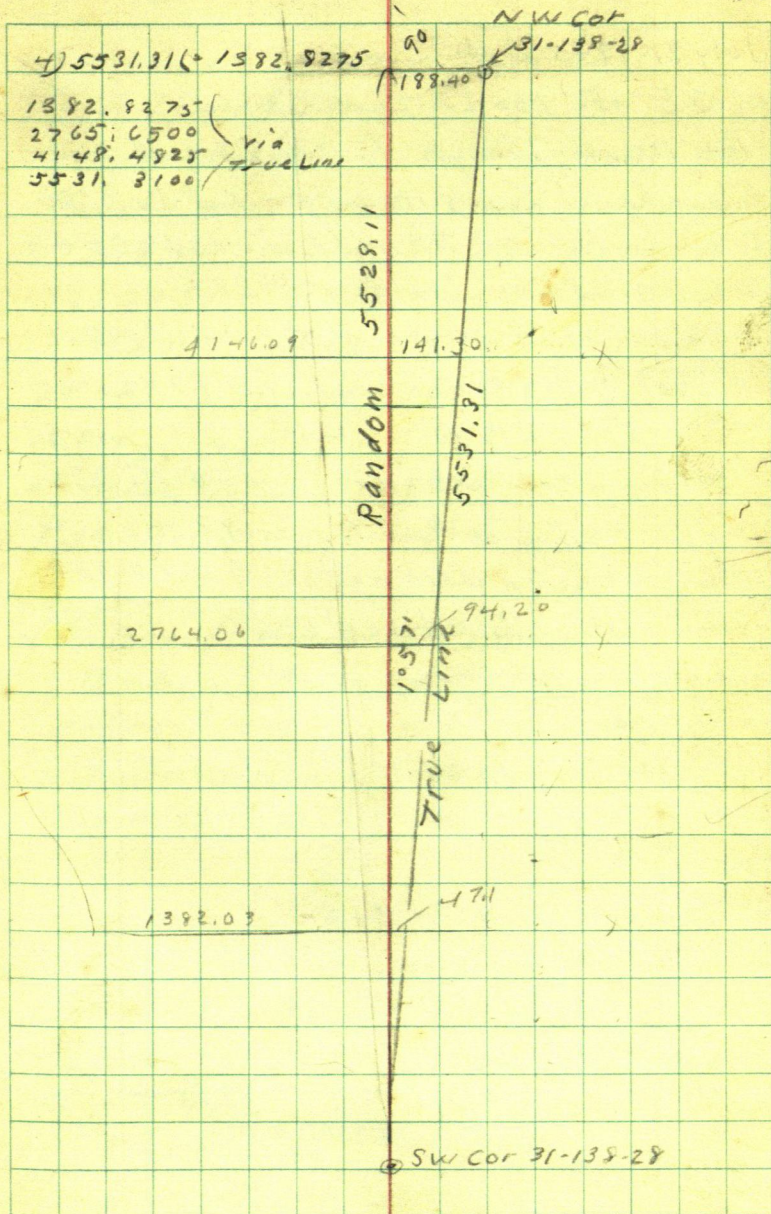
+ family gone Eat bread + milk with
Pauls kids

2 hrs in evening figuring angles

North for this SV



$$\begin{array}{r} 2) \ 2753.40 \\ \underline{1378.20} \end{array}$$



42

Harold Curo @ 1 + Board

gwc x

u @ 187 1/2 x Cor + Board

July 21-1945 Sat

up @ 5.45- 7.00 LV Trailer Ho

Mrs Hardy says to come back for
breakfast in 1 1/2 Hours would be 8.30
We drive E at RR spike about 600 ft -
West of SECOR Sec 31-138-28

RR spike 21.65 ft so of Tel Pole @ 90°

x over 21.65 Focus West 92° 17 1/2' L

= S 87° 42' 12" W

87 42' 30"

our lin. cuts 0.50 ft

1.79 59 60

N of 2nd limg 60° spike

87 42 30

which we set a week ago

92° 17 30

because the spike set last winter

is gone

NW COR 31-138-28

Pg 38-39-

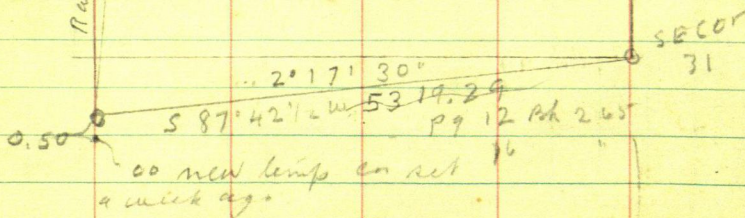
FIR COR

1' 57"

9

1.048

Range line N 0° 09' 40" W
1.57
N 1° 48' E



8 am meet Zebath & Andy and
start them cutting

North ($N 1^{\circ} 48'$) on Line Range Line

Harold and Andy walk Half a mile
w but no sign of US 44 Cor Bet 31-36

138-28-29 $1 \times 18"$ Pipe & EW Road

TO OVER Twp Cor TIES

20" NP $N 32^{\circ} 13' E$ 159.9 TO 20 d north
in spot at

16" Pop $N 35^{\circ} 32' W$ 80.0 base

20" ^{Pop stamp} Green $S 67^{\circ} 01' W$ 124.5 "

7" Jack Pines $S 51^{\circ} 42' E$ 82.5 "

1 1/2 Hour for dinner with Harold

Boring hot day Est 12-50 AM to 1.20 PM

Zebath and Andy cut True Twp Line

Bet 36-31 Harold and me drive to & back

1/4 bet 31-32-138-28

5314.68

5318.90

587' 42" W

2111.91

2° 17'

SIN 039841

COS 999206

Tany 039873 X 5314.68 =

92' 17"

44

N 8.2 31.2 5285.94 / 05

51.40.75

14499 short

m 528594

5531.31

51

553080

173.173

W 5140.95 F 9 d (west) 1.006

1325194

0001' M

5528.07 N

55330.8

5318.89

173 73

5145.16

31-138-28

140.44

1048

N 48° E 5531.31

1.09

588° 52'

1.2108

5314.64 CHA

5528.07
21.17
5316.16
5317.52

1211.91

2.17' Via Lim

5318.90

587° 42' W

5314.89

921.7

July 21⁶⁶ 1945 Sat

white

13782 45
13200

58.2 over
Length

$$1^{\circ}48' \sin 031411 \times 5530.8 = 173.735$$

$$\cos 999507 \times 5530.8 = 5528.07 W$$

$$\tan 031426 \times 5528.07 = 173.73 \text{ check}$$

Figuring Roy White West Line

$$586^{\circ}49' W = 3^{\circ}11' \text{ Left}$$

$$\begin{array}{r} 179.60 \\ 93.11 \\ \hline 86.49 \end{array}$$

$$\sin 055531 \times 1378.2 = 76.535$$

$$\cos 998457 \times 1378.2 = 1376.07 W$$

$$\tan 055617 \times 1376.07 = 76.53 \text{ check}$$

Figuring US Ch 144.99 Short

02742181 Short

$$02742181 \times 1320 = \overset{30.2}{\text{in case our chain is OK}}$$

we work late and do not wait for
supper but drive home to watch tele-
10 hours

July 22 Sunday all day in water

July 23-1945 132-28

46

1325.94	1320	1320	1320
36.36	36.2	36.2	36.2
1289.58	1283.8	1283.8	1283.8
F9d			

31

1283.8	
385.14	1376.07
1289.58	1283.80
5140.98	92.27

5391.55) 92.27 = 017113817

85°	109
0°	59
85	50

5391.55 NORTH ASSUMED

N 0° 59' E

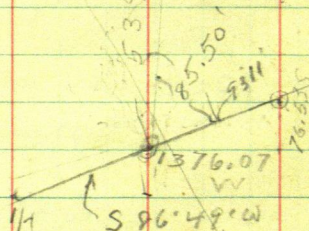
5391.17 + 0.38 =

185.50

1376.07

S 86° 49' W

1405.46
5374.64



July 23-1945 Monday

Harold and I Ld Walker 8 am

Finish my Gurley Tripod in old
school bus at Log Ho Jenkins

Go to Peguete shamed

Meet Paul Hardy at barber shop

11 am Eat lunch with Mattie
at Jenkins 1 PM as at Temp Cor

Check in his Harold Walker &
bring Zebach & Andy back

Drive E and N to NE Cor

Sec 31-138-28

work on line till 4 PM

4 PM to 6 PM work on A10 tripod

Supper at 6 with Hardy

7 to 8 on line at Temp Cor

Total 4 Hours

Evening Harold takes JWC to

PR Hotel to take to St Paul on
night line

48

July 24-1945 Tues

JWC in St Paul - Harold
eats breakfast with Hardy at

730 Meet Andy at Zebath

and drive to NE cor Sec 31-138-28
two cars arrive at cor. at 8 o'clock

π over NE Cor Sec 31-138-28 run

N $89^{\circ}59'$ WEST on N side Sec 31

@ 13 cross Fence N+S @ 33 R.R. spike

for road limit @ 300-600-900 W

stakes @ 935.65 W 60^d spike for hub

@ 1010 cross fence N+S @ 1200 stake

I drive to Hardy's for dinner

1 hr. for noon

Zebath and Andy have their
lunch with them.

PM

@ 1283.8 W 60^d spike for Temp
E $\frac{1}{4}$ on N side Sec 31.

@ 1500 spike hub 1800 Spike hub

Cut line west until six o'clock

Andy and Zebath take only 30'
for dinner get in $9\frac{1}{2}$ hr each

I get in 9 hr. supper with Hardy

Paul Hardy meets us at NE cor Sec 31

tell Andy he has to go work at the point

Harold Curo

July 24 - 1945 Tues Cont'd

to morrow. He wants me to go to Pine River and try to get a nother man to help for a few days I told him I would but at supper he said he wanted us to pay the man. so I don't think I will be able to get one

Mr. Mack S was with Paul. Mack came to see about a call J.W.C. had left for him about Mack old car which is for sale He wants \$375 with \$10 off to fix the brakes

J W C in St Paul.

Harold Curo

50

Sec 31-138-28

July 25 1945 Wed

Up at 6 - Breakfast at 6:45 with
Hardy leave @ 7:00 o'clock drive to
NE cor Sec 31-138-28 I find
Zebath already there with his
car we continue N line Sec
31 west. @ 1834.4 hub 60th spike
@ 2100 - 2400 spike hubs

@ 2567.6 spike hub Temp $\frac{1}{4}$ N side 31

@ 2675.00 spike hub @ 2700 stake

Cut line until Noon arrive home 12:15

Dinner with Hardy Zebath has his
lunch and eats on the line takes
only 30 min. for noon I take 1 hr.

P. M.

Continue West @ 3000 spike and stake

@ 3300 spike and stake Zebath and

I cut line until after 6 arrive at

car's at 6:20 home to Hardy's at 6:30

for Supper with Hardy's

Harold Curo 10 $\frac{1}{2}$ hr.

Zebath 11 hr.

JWC still in St Paul

Harold Curo

Sec 31-138-28

51

July 26-1946-Tues.

Up @ 6 Breakfast a little late
7 o'clock, Mrs. Hardy fixes me
a lunch as she will not be
home at noon. JWC Calls
he is in Pine River. I drive
to NE Cor of Sec 31-138-28
Zebath's car is there and he
is working on the N line
of Sec 31. Andy has not
showed up yet. I drive to
Pine River and pick up JWC
We drive back to NE Cor Sec 31
Andy's car is there

Zebath starts work at 7 o'clock

Andy " " " 8 "

JWC stays in the car I walk
West on N Line Sec 31. 138-28
Zebath and I chain. Andy
cuts line

⌒ over hub 3300 W

@ 3600-3900 spike hubs and stakes

@ 3937 enter creek @ 3947 leave

@ 4200 stake and spike hub

@ 4500 W stake

52

Sec 31-138-28

July 26-1945 cont'd

@ 45 15.5 spik sub

Zebath leaves at Noon

Andy and I stay a while
but quit as it is raining

Zebath gets in 5 hrs.

Andy " " 4 "

JWC & I drive to Pine River

Look up Iron cor to Sec 25-138-30

July 27-1945 Friday

Nelson send two men to
cut N line of Sec 25-138-30

They cut line 2 hrs and quit
because of Rain

JWC & I drive to Pequot
in P.M. Then to Walker
Fri night

July 28-1945 Sat

look up Notes and drive to
Mule Lake where we check
up on the lines to Sec. 19-140-28

Then back to Paul Hardy's
over night at trailer house

Andy finishes cutting N line of 31-138-28
then works on W side rest of day

H Curo

Sec. 31-138-28

53

July 29-1945 Sun

JWC & I drive to Jenkins
to try and get John to help
us at Pine River. But he has
to go play golf so JWC & I
drive to Sec 25-138-30

and work on the W half mile
on south line Sec 25-138-30

Back to Jenkins, John says he
will go with JWC Monday
with Doris' car. We stay over
night at Log house. Monday July 30

John afraid he will get his
feet wet. Doris don't want
J.W.C. to put any thing in her
car as it is late. We leave
John there. I take JWC to Pine
River leave him at Nelsons
mill and drive to SW cor Sec 31
138-28 where I find Andy
cutting the W line of Sec 31-138-
28

Andy and I go to hub
4515.5 W on N side Sec 31-138-28

HJC

54 Sec 31-138-28
July 30-1945

π over hut 4515.5 on N side
Sec 31-138-28 Andy & I
run West @ 4800 spike hut
@ 5100 stake @ 5143.22 W
IM NW Cor Sec 31 sets 5 0.85 Ft
 π over hut 4800 IM sets 0°08'S
P.M.

Andy eats his lunch I walk
to car and eat lunch. Zebath
comes out after dinner and
we go to hut 4800 N on W side
Sec 31 where I figure correction
for this hut and set a 60°
spike N 163.59 on True range
line We then walk south
and correct Range line see
page 39 this book

Andy gets in 9 hr.
Zebath gets in 5 hr PM
I get in 8 hr.

I get a call from J.W.C. to come
get him at Pine River
JWC & I over into in trailer house @
Paul Hardy's

Harold Curo

July 31, 1945 - Tues

JWC & I get up early Breakfast
with Mrs Hardy Hook onto trailer
house and move it to Pine River
I leave trailer house and JWC
in lumber yard by Nelsons Mill
Nelson takes JWC to $\frac{1}{4}$ Cor on N
side sec. 25-138-30 where his
men are working I drive E to
SW Cor Sec 31. arrive @ 8 o'clock
Zebath arrive right after I do Andy
is already cutting Range line N
Zebath & I walk N $\frac{1}{2}$ mile to where
andy is we all cut True Range
line N on W side Sec 31-138.28

We all have our lunch with us
awful hot in P.M.

Cut line until 4.45 walk back
to cars take our tools in

I drive to Hardy with lunch pail
eat supper with Paul. Help
milk drive into Pine River
JWC takes the 9-30 Bus to Walker
I stay over nite in trailer house
at Pine River

Harold Curcio

56

Sec 31-138-28

Aug 1-1945 Wed.

Up at 630 Breakfast @

Major 25¢

Drive to Paul Hardy's Zebath
starts haying

Andy + I drive to $\frac{1}{4}$ cor bet.

Sec 31-32-138-28 Where

I start E & W $\frac{1}{2}$

Over $\frac{1}{4}$ cor. IM run

West on $\frac{1}{2}$ Sec 31-138-28

run S $88^{\circ}52'$ W

Paul Hardy come and says
dinner would not be ready
until 1 o'clock so Andy and
I work until 12-30 Andy has
his lunch with him I drive
to Hardy's for dinner

P.M.

I drive back to $\frac{1}{4}$ bet 31-32-138-28

Where I meet Andy and we
continue cutting E & W $\frac{1}{2}$ Sec 31
cut to top of hill set 60' spike but
quit for night 9 hr. Supper with
Hardy. I help Milk drive to P.R.
Then on to Walker.

Harold J Curo

Barna

Brot from Page

31 of this Book 273.

Herald-Walt Miller and J.W.C.

work 6 1/2 Hour Sept 10-1945

May 5th 1946 Figuring

59

5314.64

5314.64 E. line

76.41

5391.05

1373.95

5391.61

1284.36

89.59

5391.61 in (89.59 =

5392) 89.59 = 16615356 = 0°57' +

Try 5391.61

0°01' = 0291 = 1.536 ft in one mile

0°01½' = 00476 X 1284.36 = 0.61

92.71

1.53

91.18

5314.64

76.41

61

E/L 5391.66) 89.59 (= 16616415 = 0°56'

Now try N S - E

5314.64

152.83

1.22

5468.69

2747.89

2568.72

179.17

92.71

1.53

91.18

5468.69 in (179.17 = 03276287 = 1°53-

179.60

93.11

86.49

1

85

109

1

53

84

56

60

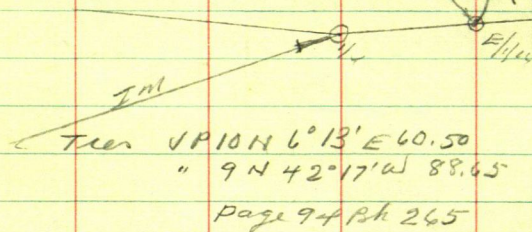
May 5-1946 Figuring
Ties

31
138 28

see page 96 Bk 265

APC SPION 12°12'E 101.7 feet
WAC SPON 41W 113.35' at 6m
WAC COB 131 142° N 88°10'W 168.05'
WAC COB " 210° 88°20'W 210.85'
SECOB " 88°10'W 168.20'
SWCOB " 58°15'W 210.25'
Taken from East of point

8x8 timber ball net
41 net
Towed from Tug Nord



Sec 31 Paul Hardy 138-28 61

May 6 1946 Mon.

Lo Walker in JWC car drive
to Pine River get Gas & Oil \$
and drive E. to Paul Hardys arrives
at 10-30 Paul is building fence &
wait at the house until he
comes in. He brings Carl
White with him to work
with me. Carl goes after his
ax and Mrs Hardy makes
me two cheese & for lunch to
take with me as it is 11 O'clock
I drive N-E & N to $\frac{1}{4}$ cor bet sec
31-32 where Carl White is
waiting we take outfit and
walk West about $\frac{1}{4}$ mile to
the last hub I set on this line
last summer. & continue
our line West = S 88° 52' W

@ 12 O'clock Carl goes to dinner
I eat lunch in the car.

PM

Carl White is back @ 12-30 = $\frac{1}{2}$ hr
for lunch continue cutting E & W
& set hubs but no chain

Harold Curo

(62) Paul Hardy Inc 31-138-28
May 6 1946

low wet ground. cloudy + rainy
all day quit @ 5- back to car
5-15 I stop and talk to Mike Shaddy
a while then drive to Jenkins
supper and over night in
Trailer House alone

H.S.C. 6 hr.

Carl White 6 hr. on survey

H J C

Paul Hardy sec 31
138-28

63

May 7-1944

Up at 6 Breakfast at Trailer
House fix lunch and drive
to $\frac{1}{4}$ cor but sec 31-32-138-28
pack outfit $\frac{1}{2}$ mile +- west
and continue E & W $\frac{1}{2}$ sec 31
Carl starts work at 8 has
his lunch with him @ 12
o'clock I walk back to the car
eat lunch and drive the
car $\frac{1}{2}$ mile S and 1 mile W
to township cor. leave car
and walk N $\frac{1}{2}$ mile on range
line then walk E to where
Carl is cutting line
at 5 o'clock Carl wants to
quit but as we only have
about 200 ft left to go I get
him to stay and finish
we intersect the range
line 4.65 ft N of my Temp
 $\frac{1}{4}$ cor.

9 hr.

no chain

Supper @ Trailer
House

H. J. C.

Brot From Page 13

Time Sheet Working at Paul Hardys
May 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 1946

John W Curo

8

Harold Curo

8

6 9

.

8

8

8 10 1/2

Car @ 203 day

1 1

1

1

1 1

Exp.

Carl White

6 9 1/2

8

1 1/2

8 -

Larry Wallace

8

8

8 4

Walt Schultys

8

5 1/2

5 1/2

Ray White

8

5 1/2

5 1/2

65

66

May 11-1946 Sat

Harold and in Trailer Ho.
at Jenkins Cold NW wind
blow in so part of slab
up @ 5am

Buy 2nd Tire \$16.00
Tube 3.65 "No

Bot from

Lv Jenkins with our lunch 8.30am
8.55am at Paul Hardy's

Paul sends Carl White-
to cut line L @ 9am

1/4 So Side 31-138-28

Ties on Pg 60 Find 2" pipe
Half a foot down set 6' flag
Drive 80 rods

E 1/16 Dig up E 1/16 find 2" pipe

Ties on Page 60 This Brook
Buff X over 1/16 focus West on fly
@ 1/4 cor turn NE angle $85^{\circ}53'$

North on E to line Sec 31-138-28

Randon mow white big Bull
set Hub 60d spike in cow yard
about 500+ ft N

1/4

E 1/16

Sec 31-138-28

Paul Hardy

138-28

67

North on random E $\frac{1}{16}$ line

π over Hub 500 Harold + Carl cut
 $85^{\circ}53' = \sin^{-1} =$

99756 500000 (50/22

498780

122000

99765

22200

199512

22782

50122

99756

300732

250610

350854

451098

451098

Must be OK

See Pg 58

TWA
COR

Random 31
 $84^{\circ}53'$

Random
 $85^{\circ}53'$

$\frac{1}{4}$

$\frac{1}{16}$

I run π and figre correction

Harold and I eat our lunch in Roy
 while us

Harold and Roy cut E $\frac{1}{16}$
 North $\frac{1}{3}$ mile +

PM

12.00 eat 12.55 LV + go 80 rods

+ plant N-S 4 Sec 31-138-28

68

PM May 11-46 continued

T over $\frac{1}{4}$ Focus 80 rods

on E $\frac{1}{16}$ cor Turn NE angle

$84^{\circ}56'$ and in

North Randon centerline Sec 31

138-28

Mon. May 13 1946

all day in office @ courthouse
JWC takes night train to St Paul.

Tues May 14, 1946

Ida Walker around 8³⁰ drive
to Pine River starts to rain
rains hard all day I stay at
trailer house at Jenkins

Have car greased at Partners
\$1.25

Wed:- May 15, 1946

have Jenkins at 8³⁰ drive
to Paul Hardys. He has no
one to send out with as white
broke his car and is fixing it
he send a kid to Cut line
Larry Wallace. Paul goes
over to see Walt Schultze
who come over at 11 o'clock
Carl White gets his car fixed
and come out @ 10-30 works until
noon then goes to Pauls and
works P.M. Larry Walt & I
cut line N on E $\frac{1}{16}$ line

Harold Curo

(70)

Wed. May. 15. 1946

Walt gnts @ 4.30 Larry
+ I quit @ 5.30

May 21-1946

I L Jenkins in my Plymouth Car
drive to Paul Hardys Where
I pick up Carl White and
Larry Wallace drive to $\frac{1}{4}$ cor
between sec 31-32-138-28
leave cars walk $\frac{1}{4}$ mile W
and continue E $\frac{1}{16}$ line
North. @ noon JWC come
out with oil for my car as
it is leaking oil and I did
not know it. P.

P. M.

Same Crew continue E $\frac{1}{16}$
line intersect N line 5 ft
W of point for $\frac{1}{16}$ cor.
quit @ 5¹⁰

Harold Curo

(72)

Sec 31-138-28

May 22-1946

up early get Oil, 25¢ Postman
drive to Paul Hardy's

Hardy has to haul Hay
so do Whites Paul says
I can have Larry Wallace
start to rain drive to Whites
leave car

Larry & I start at E $\frac{1}{4}$ IM
on S side sec 31 and chain
North and correct line as we go

@ 109.3 N spike hub goes E .10 do not set

@ 405.9 N " Hub " E .37 " " "

@ 514.3 N " " goes E .48 set over

@ 788.1 N " " " " .73 " "

@ 902.4 N " " " " .83 " "

@ 1005.1 N " " " " .93 " "

@ 1236.1 N " " " " 1.16 " "

@ 1418.6 N " " " " 1.32 " "

@ 1758.9 N " " " " 1.63 " "

@ 2012.4 N " " " " 1.86 " "

@ 2112.2 N " " " " 1.96 " "

@ 2447.9 N " " " " 2.27 " "

@ 2809.3 N intersect E + W E goes 2.61

@ 3337.0 N spike goes E 2.82 at over

@ 3269.8 N " " " 3.03 " "

@ 3409.2 " " " " 3.17 " "

@ 3585 " " " " 3.33 " "

@ 4073.9 N " " " 3.78 " "

@ 4469.1 N " " " 4.16 " "

@ 4778.1 N " " " 4.37 " "

@ 5491.8 intersect N Line 5 ft E of
V₁₆ which is 1284.36 W of NE Cor
at 2x30' I M for true cor

Take trees

9" W Oak S about 45° E 75.25"

2" " " about North 11.05"

raining hard.

go to dinner

P.M.

Larry goes to town 4 km. for Larry

Roy White goes with me

beg @ V₄ I M between 31-32-138-28
chain

West @ 503.6 spike goes S .45" at

@ 1177.5 W spike goes S 1.06 at

@ 1331.5 W goes S 1.20 to pt for V₁₆

cor center of E 1/2 Sec 31

HJC

May 22 1946 Continued

@ 1331.5 W and 2809.3 N ~~we~~ out

2X30" IM for $\frac{1}{4}$ cor center of

E $\frac{1}{2}$ sec 31-138-28 notes

Continue West

@ 2071.2 W goes S 1.86 out

@ 2599.3 W " S 2.34 "

@ 2663.0 W " S 2.40 out

2X30' pipe for cor center sec 31

138-28 notes

@ 2947.0 W goes S 2.66 out

@ 3444.8 W " S 3.31 "

@ 3612.2 W " S 3.25 "

@ 4026.7 W " S 3.62 "

@ 4393.2 W " S 3.95 "

@ 4748.2 W " S 4.27 "

@ 4965.3 W " S 4.47 "

@ 5231.6 intersect W line 4.65° N
of $\frac{1}{4}$ cor

@ $\frac{1}{4}$ cor we drive a 2X30" pipe
Ties on page this Book

Roy & I walk $\frac{1}{2}$ mile N
and correct N line on our
way back

May 22

beg at Hub 4800 W on N line
we set

Hub 4800 W goes 5.79

" 4600 W " 5.75

" 4200 W " 5.49

" 3900 W " 5.64

" 3600 gone

" 3300 W goes 5.54

" 3000 W " 5.50

" 2817.75 W " 5.47

" 2675 W " 5.43

" 2567.6 W goes W 1.12 and 5.42

to point for 1/4 cor bet 30-31

where we drive a 2 x 30" P-pipe
for cor. no ties

@ 2400 W no spike

@ 2100 W goes 5.36

@ 1834.4 W " 5.30

@ 1500 W " 5.24

Ray quits at 6 = 5 1/2 hr

I work until 7 then drive

home to Trailer house @ Jenkins

I tell Paul Hardy we will not
be back he can finish himself.

he says OK.

Harold Curo