

435
The

SPIRAL

NOTE BOOK

No. 36



Made Under One or More of The Following
SPIRAL Patents 1516932-1942026-1985776.
Other Patents Pending.

W-17

1.
Page
Wabedo Lake - 3 -

" Lake Time Sheet - 10 -

" " " " 30

Wabedo Lake .3,
Sec 28-140-28

Aug 26 Monday 1940

I pick up Wilfred
Miller @ 7-30 drive
in my car to Pine
River where I pick
up Oliver Olson
and his brother-in-
Law;

We drive to Sec 28
140-28 Wabedo Lake
We arrive at 8-30

We go to hub 2492.7
N on west side of sec
28-140-28

From which we
set a hub at 2659.6
N of SW cor sec 28
Harold J. Curo

4 Wabedo Lake
Sec 28-140-28

Aug 26-1940

⌒ over hub 2659.6
N turn 90° and run
east 31.37 and set
RR spike for temp
 $1/4$ cor on west side
of sec 28-140-28

⌒ over hub 2659.6
N focus N and turn
R $90^{\circ}11'$ or NE angle
and run East &
pass my temp $1/4$
cor. 12 of a foot to the
south and set a
hub about 350 ft
East. Cut line
H.J.C.

Wabedo Lake 5
Sec 28-140-28

Aug 26-1940
until noon,
P.M.

as I miss my $\frac{1}{4}$
cor. spike 12 ft. I
set my hub 12 of
a foot N and B.S.
on the Temp $\frac{1}{4}$,
and run East
beg. at Temp $\frac{1}{4}$
W side sec. 28-140
28 I chain E

@ 100 - 200 - 300 stakes
@ 346.4 E RR spike
hub.

@ 400 - 500 - 600 E stakes
Harold J. Curo

6. Wabedo Lake
Sec 28-140-28

Aug 26-1940

@ 653.60 E RR spike
hub.

all hubs double centers

@ 700-800-900-1000

1100 E stakes

@ 1117.6 E RR spike hub

@ 1200-1300 E stakes

@ intersection of

W $\frac{1}{16}$ line & cut a
string intersection

@ 1325.38 E $\frac{1}{4}$ line

intersects W $\frac{1}{16}$

line at 932.69 or

.20 south of hub.

932.89 N

Harold J. Curo

Wabedo Lake 7
sec 28-140-28

Aug 26-1940

This intersection
hub is 2.29 ft to
for E

It should be
1323.09 E. but

checks O.K. for N & S

⌒ over Intersection

hub 1325.38 E

SW angle reads

$89^{\circ}29'$ and the

SE angle reads

$90^{\circ}31'$

They should read

$89^{\circ}31'$ for SW and

$90^{\circ}29'$ for SE angles

Harold J. Cuno

8 Wabedo Lake

Sec 28-140-28

Aug 26-1940

This shows that in
running the W
 $\frac{1}{16}$ line I run
it about $0^{\circ}03'$ too
far E. I must have
not watched close
or read the plat
wrong, when I
turned at sta N $^{\circ}5'$

heavy mist every
thing wet so quit
@ 3-45

Reed. bring papers
to my house sent
by J. W. Curo.
H. J. C.

Wabedo Lake
Sec 28-140-28

9

Aug 26-1940
at supper time
Worked

6 $\frac{1}{4}$ hr.
Harold J. Curo

Work on books
until 10-o'clock

Weekly Time Sheet

Wabedo Lake

26 27 28 29 30 31

h.

Aug

1940

JWCuro ?

Car ?

Exp. ?

HdCuro $6\frac{1}{4}$ 0 $4\frac{1}{4}$ $8\frac{1}{4}$ 8

Paid in full - 1620

Car 1 0 1 1 0 1

Gas 100

OB/son $6\frac{1}{4}$ 3 3 8 0 8

Paid in full 1130

W. Miller $6\frac{1}{4}$ 0 $4\frac{1}{4}$ $8\frac{1}{4}$ 0 8

Paid in full - 810

Wabedo Lake H
Dec 28-140-28

Aug 27-1940

Too wet we do not
go to work

Oliker cuts Line
3 hr.

Harold J. Curo

12 Wabedo Lake
Sec 28-140-28

Aug 28-1940

I pick up Wilfred
and we drive to
Wabedo Lake arrive
at 8-45 - Oliver
went to town has
not got back yet.

Wilfred and I go
to $W \frac{1}{4}$ Center of
W half Sec 28-140
28 and continue
E to W $\frac{1}{4}$ Sec 28
Oliver arrives at
10 o'clock.

beg. at stake 1300 E
chain E 1325.38 E
hub. intersection
H. J. Curo

Wabedo Lake
Sec 28-140-28 13

Aug 28-1940

@ 1378 E & old road
N4S

@ 1400 E stake

@ 1410.80 E RR spike hub

@ 1500-1600 E stakes

@ 1663.90 E RR spike hub

@ 1700-1800-1900 E stakes

@ 1940 old road NE-SW

@ 2000 E stake

@ 2029.20 E RR spike hub

@ 2100-2200 stakes

@ 2257 E road in curve

@ 2266.00 E RR spike

hub on E edge of road

5.92 N of sta 9.

@ Harold J. Curo

14 Wabedo Lake
Sec 28-140-28

Aug 28-1940

@ 2300 - E stake

@ 2393.65 E RR spike hub

@ 2400 - 2500 E stakes

@ 2525 center bog.

@ 2600 E stake

@ 2646.18 E RR spike
hub

Travel hub 2646.18

E Focus W on 00

and turn N W angle

$90^{\circ}29'$ and set pickets

N + S starts to rain

hard so have to

quit 2 o'clock

4 $\frac{1}{4}$ hr.

Harold Curo

Wabedo Lake 15
Sec 28-140-28

Aug 29-1940

I pick up Wilfred
Miller in my car
and drive to Sec
28-140-28 arrive
at 8 o'clock

beg at $\frac{1}{4}$ Center
Sec 28-140-28
and run N & S
on E cut line
until noon

P. M.

beg at RR spike
but Temp $\frac{1}{4}$ center
of Sec. 28-140-28
chain South on
 $\frac{1}{4}$ line

H. J. C.

16. Webbed Lake
Sec 28-140-28

Aug 29-1940

@ 100-200 S stakes

@ 270 leave bog
NE-SW

@ 300-400-500 S
stakes

@ 562.80 S RR spike
hub

@ 600 S stake 700 stake

@ 729.0 RR spike hub
on sea wall

@ 744.5 - edge of water
E+W

Harold J. Curo

Wabedo Lake 17
Sec 28-140-28

Aug 29-1940
beg at $\frac{1}{4}$ Center
of Sec 28-140-28
Chain North

@ 100-200-300-400

500-600-N stakes

@ 630.10 N RR spike
hub on point of
land.

@ 700 N stake

@ 775 N leave log

W & SE foot
of high hill

@ 800 stake

We go to spike hub
on top and chain
down hill

Harold F. Curo

18 Wabedo Lake
Sec 28-140-28

Aug 29-1940

@ 886.0 N = RR spike
hub on N edge of
road

@ 900-1000-1100-1200
1300 N stakes

@ 1329.8 N RR spike
hub Temp N $\frac{1}{4}$
cor. Center N half

Temp N $\frac{1}{4}$
Center N $\frac{1}{2}$

B.S. south and turn
NE angle $89^{\circ}29'$
and run East
cut line until 5-15'
raining = $8\frac{1}{4}$ mi
H.D.C.

Wabedo Lake
Sec 28-140-28 19

Aug 30-1940

Rain Wilfred
and I do not go
to Wabedo Lake

Oliver Olson
goes to Pine River
no work.

Harold J. Cure

Wabedo Lake
20 Sec 28-140-28

Aug 31-1940

I pick up Wilfred
Miller weather looks
bad. JWC says
to go try it so we
drive to Wabedo Lake
Oliver Olson is not
home maybe on his

We drive to where
road crosses N & S
E sec 28-140-28.
and walk N to
N $\frac{1}{4}$ then E to where
we left off and
continue N $\frac{1}{4}$ mi
east arrive at 9-15
Harold J. Curo

Wabedo Lake
Sec 28-140-25 21

Aug 31-1940

We find Oliver
cutting line we
hub up to give
him a new start
the Wilfred and I
go back to 1329.8
N on N + S $\frac{1}{2}$ or temp
N $\frac{1}{16}$ cor and chain
E. at 100-200-300 E
stakes

@ 334.4 E RR spike hub

@ 400-500-600-700 E
stakes

@ 706.50 E RR spike hub

@ 800-900 E stakes

Harold J. Curo

22 Wabedo Lake
Sec 29-140-28

Aug 31-1940

@ 968.8 E RR spike
hub

@ 1000-1100-1200

1300-E stakes

@ 1323.09 E RR spike
hub temp $\frac{1}{16}$ Center

NE $\frac{1}{4}$

@ 1400-1500-1600-

1700-E stakes

@ 1780.80 E RR spike hub

@ 1800-1900-2000-E
stakes

@ 2078.60 RR spike hub
on side hill

@ 2100-E stake

Harold Curo

Wabedo Lake
Sec 28-140-28 23

Aug 31/1940

@ 2125 E enter
bog foot of hill

@ 2185.80 E RR

spike hub on bank

@ 2190 enter lake
about 75 ft N of
S shore

Begin at Temp 1/4

center of NE 1/4

Sec 28-140-28

Run S 0° 40' E

@ 100 S stake

@ 196.6 S RR spike hub

@ 200 S stake

Harold J. Curo

Wabedo Lake
24 Dec 28-140-28.

Aug 31-1940
have to break
chain because
of bee nest

$$200 + 800 + 100 + 500 =$$

480 stake

Set hub in N
edge of road
and hub and
cut line until
6-15'

8 hr work
for Oliver Olson
Wilfred Miller
and I

Take Oliver to Pine River
Harold J. Curo

Wafedo Lake

Sec 28-140-28 25

Sept 1, 1940

Sunday No Work

H. J. Curo

26 Wabedo Lake
Sec 28-140-28

Sept 2-1940

I pick up Wilfred
Miller in my car
put in gas at Notho
drive to Pine River
Pick up Oliver Olson
drive to Wabedo
Lake and continue

S on E 1/4 line

From Stake 480

chain S

@ 493.1 S hub

on N edge of road

$480.5 + 120 = 600.5$

stake 700-800 S stakes

@ 843.4 RR spike
hub

H. F. C.

Wabedo Lake 27
See 28-140-28

Sept 2-1940

@ 900 stake

@ 905.7-S R Rapido
hub.

@ 1000 S stake

@ 1033.4 S R Rapido hub

@ 1100 S stake

@ 1140 enter bog N E S W

@ 1200 S stake

@ 1220 foot of hill N E S W

@ 1300 stake

@ 1343.90 S R Rapido hub
on top high hill

@ 1400 stake

@ 1446.12 S, R R spike hub

Harold J. Curo

28 Wabedo Lake
Sec 28-140-28

Sept 2-1940

@ 1455 S. water edge

We go to N $\frac{1}{16}$ line
over hub 1780.8
E of Temp $\frac{1}{16}$ cor
center N $\frac{1}{2}$ Sec 28
140-28 from which
I set a hub at 1983.
09 which is 660
ft. E of NW cor of
Gov Lot. 3

over hub 1983.09
Temp NE cor of
W $\frac{1}{2}$ of Gov't Lot
3. B.S. S $89^{\circ}49'E$
Harold J. Curo

Wabedo Lake
Sec 28-140-28 29

Sept 2-1940

and run $S 0^{\circ} 40'$
W.

@ 100-200 S stakes

@ 240-S enter bog
NE & SW

@ 300-400-500-S stakes

@ 550 leave bog

@ 570 S E of road

@ 600 S stake

@ 612.5 hub on side
hill @ 700 stake

@ 8- hub

@ 800-900-stakes

@ 917 hub on river

wall @ 922 water edge

Harold J. Curro

Weekly Time Sheet

Wabedo Lake

30

Sun 2 3 4 5 6 7

Mon

1940

Depot

JWCuro

Car

Exp.

H.J.Curo.

Car

O O'son

W. Miller

9 0 8 9 5 1/2 8 1/2

1 0 1 1 1 1

9 0 - 9 - -

9 0 8 9 5 1/2 8 1/2

31

True Line
S 89° 49' E

62.75
IM

16.46
IM

S 89° 49' E

5319.2
N 40° E

2646.18

1325.38

1320.8

1323.09

862.71

660

867

1329.8

660

922

917

1323.09

660

1307.5

1336

1536.4

522.4

1336

229

1744

1446.12

555

114

1323

660

663

32 Wabedo Lake
Sec 28-140-28

Sept 2 1940

We go to E & W $\frac{1}{2}$
Sec 28-140-28

π over hub 2029.2
E of $\frac{1}{4}$ on W side
of Sec 28 I set
a hub at 1983.09
Temp N.E. cor
to W $\frac{1}{2}$ of Gov't
Lat. 5

π over hub 1983.09
temp N.E. cor of W $\frac{1}{2}$
of Gov't lat 5

B.S. S $89^{\circ}49'E$
and run S $0^{\circ}40'W$
thru Gov't lat 5

Harold J. Curo

Wabedo Lake
Sec 28-140-28

33

Sept 2-1940

@ 100-200 stakes

@ 202.45 RR spike hub
@ 300 stake

@ 380 $\frac{1}{2}$ road

@ 400-500-600 S stakes

@ 618.80 S RR spike hub

@ 700-800-900 S stakes

@ 905.10 S RR spike hub

@ 1000-1100 S stakes

@ 1184.0 S RR spike hub

@ 1200 S stake

@ 1307.50 S RR spike hub

@ 1336 S edge of Water

Start work at 8:40 AM

quit for night 6:40 P.M.

Making 9 hrs

Harold G. Curo

34 Wabedo Lake
Sec 28-140-28

Sept 3-1940

No Work on sec 28
140-28

Wilfred & I go to
Nisswa to work.
start work @ 9:15
stop " @ 5:00

6 $\frac{3}{4}$ hr.

Harold J. Cuno

Wabedo Lake

35

Sec 28-140-28

Sept 4-1940

I pick up Wilfred
in my car We

drive to Sec 28-140-
28- Wabedo Lake

arrive at 9 o'clock

We go to NW cor of
Govt Lot 4 chain

E 660 ft and set

RR spike for NE cor

of W half of Govt

lot N^o 4 Sec 28-140-28

Then over hub 660 E

NE cor W $\frac{1}{2}$ Govt lot

4 P

B.S. S $89^{\circ}49'E$

Harold J. Carr

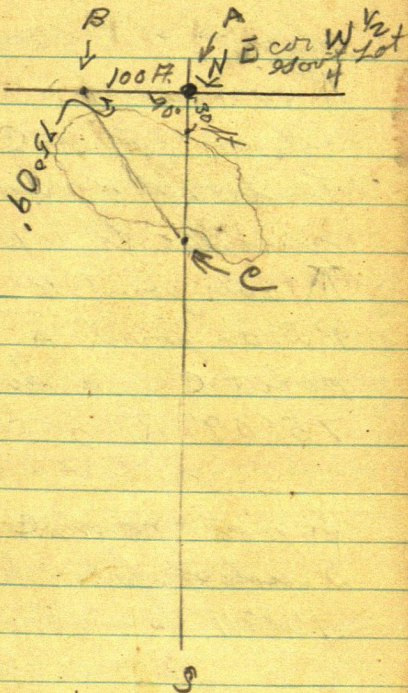
36 Wabedo Lake
Sec 28-140-28

Sept 4-1940

and run $50^{\circ}40'W$
@ about 30 ft enter
water. I sent Wilfred
around lake to set
flag. I go around lake
and we cut line to
top of hill where
we set a hub then
I have a hub set
on shore of lake for
Triangulation

Then NE cor of
 $W\frac{1}{2}$ of Gov't lot 4
turn a 90° angle
and run west
Harold Curo

Wabedo Lake
Sec 28-140-28 37



H J Curo

38 Wabedo Lake
Sec 28-140-28

Sept 4-1940

⌒ over point A

Site on point C

Turn 90° R. and

run 108 ft to Point B

⌒ over point B

B.S. on point A

point C stands

$75^{\circ}09'$ R. over lake

beg. at point C

S side of lake chain

10 ft. N to water edge

Bag at point C

Chain South

Harold J. Curo

See p 69

Wabedo Lake
Sec 28-140-28 39

Sept 4-1940

@ 100 S stake @ 185 S

Q road @ 200 S stake

@ 257.0 RR spike hub

@ 300-400-500 S stakes

@ 506.10 S RR spike hub.

@ 600-700-800 S stakes

@ 808.70 S-RR spike hub

@ 900-S stake

@ 961.30 S RR spike hub

@ 1000-S stakes

@ 1100-1200-S pins

@ 1293.2 S RR spike hub

@ 1300 S stake

@ 1371.7 S RR spike hub

on saw wall NE + S.

Harold J. Curo

40 Wabedo Lake
Sec 28-140-28

Sept 4-19 40

@ 1400 water edge,
quit 6 o'clock
8 hr. Work,

Harold J. Curo

Wabedo Lake 41
Sec 28-140-28

Sept 5 1940

I pick up Wilfred
Miller in my car
drive to Pine River

where I pick up
Oliver Olson we
drive to Wabedo

Lake Oliver gets
a boat from

Englehart's?

and rows it to

where the E line
of Sec 28 crosses

the lake Wilfred +

I drive to same line

Start work at 9 o'clock

Harold J. Cunn

42 Wabedo Lake
Sec 28-140-28

Sept 5-1940

⌒ over hub 1539.04-S
in E road B.S. N on flag
turn 90° and run E
30.01 and set hub
on true line

⌒ over hub 1413.54-S
B.S. N on Flag across
lake turn 90° and
run E 27.56 ft and
set hub on true line

⌒ over hub 1347.44-S
B.S. N on flag across
lake and Turn 90°
and run E 26.28 and
set hub on true line

Harold J. Curio

Wabedo Lake

Sec 28-140-28

43

Sept 5-1940

Tower corrected hub

1413.54 S-B.S. on

corrected hub 1347.44

and run N to lake

and S throu corrected

hub 1539.04 to lake

and then across

lake We cut the

whole E line of Sec

28-140-28 except

the N 500 ft or that

part N of lake which

is not in this survey

I set a K.R spike hub

at S end about 30

ft N of water. our

H.S. Curo

44 Wabedo Lake
Sec 28-140-28

Sept 5-1940
line is about 20
steps west of old
cut out line at
this last hub
Oliver takes boat
home where we
pick him up at
7 o'clock

We Put in 9 hrs.
I take Oliver Olson
to Pine River
have blow out
on way home

Harold J. Curo

Wabedo Lake
Sec 28-140-28

435

Sept 4 1940

Alvin Noble lets
me have his
spare tire until
he can get me one
he has to fix tube
first so I get a late
start I pick up

Wilfred we drive
to Wabedo Lake

we go to N $\frac{1}{4}$ cor
center N half Sec 28
on N & S $\frac{1}{2}$ and
continue $\frac{1}{2}$ North
start at 10-30 A.M.

beg at Temp N $\frac{1}{4}$ cor
on N & S $\frac{1}{2}$ Sec 28

Harold J Curo

46 Wabedo Lake
Sec 28-140-28

Sept. 6-1940

Chain N @ 100 N stake

enter end of bog N & SW

@ 180 Leave same S-NW

@ 200 - 300 N stakes

@ 328.60 N RR spike hut

@ 400 N stake

@ 435 enter marsh N

SW @ 500 stake leave

marsh S-NW @ 600

stake @ 606.8 N RR spike

hut @ 645 marsh NE

SW @ 700 N stake

@ 770 leave marsh SE

W @ 800-900-1000-1100

N stakes @ 1102.5 N

RR spike hut

Harold J. Curo

Wabedo Lake
Sec 28-140-28

47

Sept 6-1940

@ 1200-1300 N stakes

@ 1329.80 N RR spike

but Temp $\frac{1}{4}$ cor

N side sec 28-140-28

quit at 5 PM

Working $5\frac{1}{2}$ hr.

Harold J. Cuno

48 Wabedo Lake
Sec 28-140-28

Sept 7-1940

Pick up Wilfred
Miller with my
car drive to Wabedo
Lake arrive 9-30
walk to N W corner

28-140-28

and run N line of
Sec 28-

↑ over hub 5-280 N
on Ramdorn we
run N 39.20 ft
and set RR spike. hub

$5280 + 39.20 = 5319.20$

N

↑ over hub 5319.20 N

Harold J. Curo

Wabedo Lake 49
Sec 28-140-28

Sept 7-1940
on W line Sec 28-140
28

B.S. Sand Turn $90^{\circ}11'R$
and run E my line
crosses $\frac{1}{2}$ inch S of
center of I.M. Cor to
Secs. 20-21-28-29
140-28 so put my
1st hub $\frac{1}{2}$ inch N
B.S. on center of I.M.
and run E

∇ over I.M. Take
New Ties To Cor
Sec 20-21-28-29
140-28

Harold J. Curo

50 Watado Lake
Sec. 28-140-28

Sept 7-1940

Tris 20-21-28-29

using N line of
sec 28 for E & W

865 N.P. 20 N $28^{\circ}13'$ W

44.50

W Birch 6 N $20^{\circ}09'$ E

27.8

P.p 8 N $54^{\circ}13'$ E

67.30

W. Oak 24 S $83^{\circ}27'$ E

79.40

R oak 6 S $48^{\circ}10'$ E

56.40

R Oak 6 S $11^{\circ}00'$ W

16.95

Harold J. Curo

Wabedo Lake 51
Sec 28-140-28

Sept. 7-19-40 598
R on 4 S $31^{\circ}45'$ W 38.85
P.M.

We continue N line
of Sec. 28-140-20
to the lake do no
chain set RR spike
across lake

Then RR spike but
on E side of lake
on side hill

we continue line
E set a wood but
about half way
between lake &

$\frac{1}{4}$ cor on N side of
Sec 28-140-28

H. J. Curo

52 Wabedo Lake
Sec 28-140-28

Sept 7-1940

⌒ on Wood hut
I set another
wood hut

on N + S E sec
28-140-28

2.45 - S of $\frac{1}{4}$
quit for night

8- $\frac{1}{2}$ hrs work

Harold J. Curo

Wabedo Lake
Sec 28-140-28
Sept. 12-1940

53



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Wilfred & I drive
Harold J. Curo

Wabedo Lake

53

Sec 28-140-28

Sept. 12-1940

J. O.

3-400

go

wh

wh

He

this

Riv

can

day

w

Riv

he

Pr

W

Walfred & I drive
Harold J. Curo

Wabedo Lake 53

Sec 28-140-28

Sept. 12-1940

J. W. C. comes over
and we Fig, and
go over map to see
where I M. go and
where to set stakes

He goes gets Wilfred
then goes to Pine
River to see if he
can get off for the
day. I take Wilfred
we drive to Pine

River see J. W. C.

he has to work in
Pine River. So

Wilfred & I drive

Harold J. Curo

54 Wabedo Lake
Sec 28-140-28

Sept 12-1940
to Wabedo Lake
stop at W $\frac{1}{16}$ line
sec. 28-140-28
and go south on
W $\frac{1}{16}$ line to lake
shore where we
set I.M. 2.29 ft
E. of RR spike but
Marked 912.80 S
Arrive @ 10-15 A.M.

@ Hub. marked 669.35

I set this hub east
1.67 on line

π over corrected hub
669.35 B.S. S on IM
Harold J. Curo

Wabedo Lake 55
Sec 28-140-28

Sept. 12-1940

and Turn 90° and run
E 330 ft and set a
RR spike for SE cor of
W 330 ft of Gov't lot
5. this spike is about
15 ft W. of water and
20 ft N of water's edge.

We then go to N & S E
of Gov't Lot 5 where
I set an I M at hub
1307.5 on side hill 28.5
ft N of water.

We go to Center of
Sec 28-140-28 or NE
cor Gov't lot 5 where
We set an I.M.

Harold J. Carr

56 Wabedo Lake
Sec 28-140-28

Sept 12-1940

We then go south along
N & S E Sec 28-140-28
to hub 729 where
we set I.M. for SE
cor Gov't lot 5

⌒ over hub 729 S

Turn 90° and run

W 333.09 to point

⌒ over point 333.09

Turn 90° and run

S 104.2 and set RR

spike hub 18.8 ft N

of water

Note at hub. 729.5
on E is about 15 ft N
of water the lake
Harold J. Curo

Wabedo Lake 57

sec 28-140-28

Sept 12-1940

stays about 15 ft

from our line running
W for about 150 ft

then lake shore starts
turning to the South

We go E 660 ft

and set I.M. for E

660 ft of Gov't lot

4 - sec 28-140-28

this point is marked

4371.7 S of little lake

and 1749.7 S of N $\frac{1}{4}$ 6
line

Turn over I.M. Turn S 55°

W and run 402.86

and set RR spike and

Harold Curo

58 Wabedo Lake

Sec 28-140-28

Sept 12-1940

for S.E. cor of W 330 ft
of Gov't lot 4

$$\text{Sine } 55^\circ = 81915$$

$$\text{Cosine } 55^\circ = 5736$$

$$330 \div 81915 = 402.86$$

$$330 \div 5736 = 575.31$$

$$\text{Sine } 35^\circ = 5736$$

$$\text{Cosine } 35^\circ = 81915$$

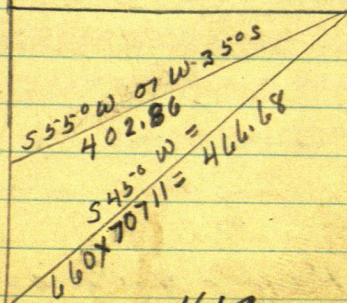
$$330 \div 5736 = 575.31$$

$$330 \div 81915 = 402.86$$

This is how it
looks to me if 45°
makes it 466.68 at
 55° it would have
H.J. Curo

Wabedo Lake 59
Sec 28-140-28

Sept 12-1940
to be shorter



H.J.C.

60 Wabedo Lake
Sec 28-140-28

Sept. 12-1940

quit of night at
6:15 making
7 hr work

Flags set at all IM
and all R.R. spikes
 $\frac{1}{2}$ way between IM
along lake.

Harold J. Curo

Wabedo Lake 61
Sec. 28-140-28

Sept 13 - 1940

I pick up Wilfred
Miller. drive to Pine
River for Oliver Olson
he is coming out
later. We drive to
Wabedo Lake arrive

9-15 A.M. we set
I.M.s along N side
of Gov't lots 3-4-5
every 330 ft except
one 333.09 W of NE
cor of Gov't lot 3
which comes in
lake.

J. W. C. and Reed
arrive around
H.J. Curo

62 Wabedo Lake
Sec 28-140-28

Sept 13-1914

10 o'clock P.M.

Wilfred & I continue
setting I.M. along
lake on south
side of Gov't lots

3-4-5 - Sec 28

140-28 J.W.C. and

Reed Curo set I.M.
along lake on south
side Gov't lots 3-4-5

quit at 5 o'clock
7-15 hrs

Harold J. Curo

Weekly Time Sheet

Bards Lake

3

5⁴⁵ 8

9 10 11 12 13 14

Dept

JW Curo

Car

Exp

HJ Curo

Car

Oliver Olson

Wilfred Mitter

Reed Curo

-

-

-

-

0 0 0 0 7 7 1/4 7 1/4

0 0 0 0 1 1 1

0 0 0 0 0 0

0 7 7 1/4 7 1/4

1

Wabedo Lake
64 Sec 28-140-28

Sept 14-1940

I pick up Wilford
Miller and we drive
to south side

Wabedo Lake

Leave car at Dad
Saxon's place and
walk West to sec
line between Secs
27-28-140-28

Start late do not
get to work until
10-15

beg at RR hub point
for IM 18 $\frac{1}{2}$ N of Water
chain N

Wabedo Lake 65
Sec 28-140-28

Sept 14-1940

@ 19.50 RR spike hub

@ 100 stake @ 175 center

w edge of meadow wild

grass @ 200 N stake

@ 300 N stake leave w

edge of meadow

@ 347.65 N RR spike

hub @ 400 - 500 N stakes

@ 589.8 N RR spike hub

@ 600 - 700 N stakes

@ 717.30 N RR spike hub

@ 800 stake @ 897.6

set IM Temp 1/16

@ 900 stake @ 939.60 N

RR spike hub.

66

⌘ over IM Temp S

Y_u cor bet 27-28-140-28

B.S, N 0°40'E and run

N 89°49' W.

beg. at IM Temp.

S ¹/₁₆ bet 27-28-140

28 we chain W.

@ 166.3 W RR spike hut

@ 300 enter s edge of bog,

@ 503.4 wooden peg hut

leave s edge of bog,

@ 717.8 wooden peg hut

@ 800.00 " " "

@ 873.00 RR spike hut

@ 974 W at IM

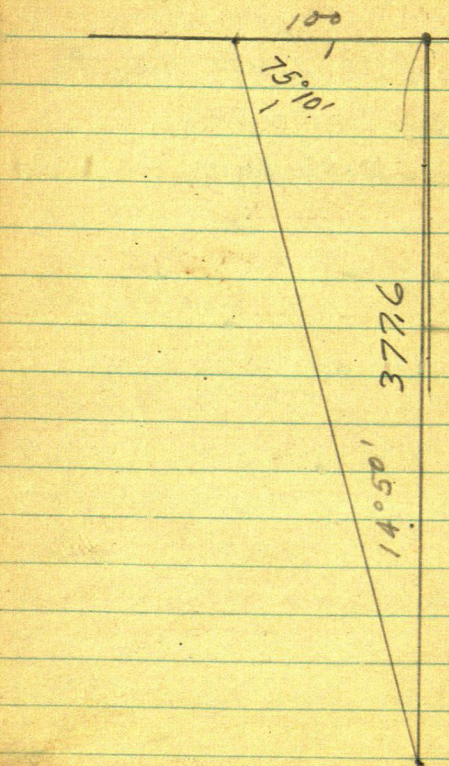
67

@ 990 water NE-SW

quit at 6-30

7- $\frac{1}{4}$ hr.

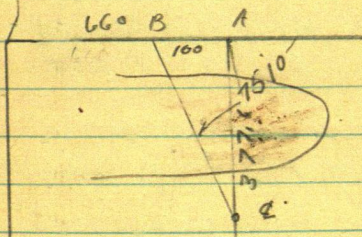
68



P938
Newen Gou. Lakey

8960
7510
1450

69

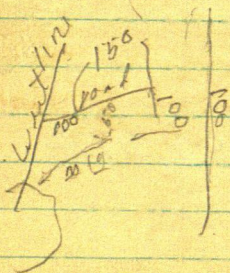


cat 14°50' cat 3,776

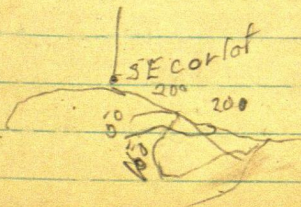
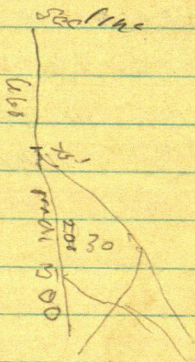
70

Nov 28 1954

Ed - Don & I to Pine
 River pickup Oliver
 Olson drive to Wadable
 from $\pm 660 \text{ ft} \pm$ W of
 Elmer & Deer walk
 along road to where
 Oliver has cut out part
 of the line swap from
 road swap runs $\pm 250 \text{ ft}$



at 500 ft from West
line along road
swap 300 ft wide 30 ft
road



72

Martin Marsh
Marrifield
Min

Forest Oaks
hisua minn.

Work Tomlin on &
 Lot 600 ± from W. L. L. L. L.
 At IM & at hub in & new
 road 212 ft from IM @
 Lake shore

Tower & road runs

N 54° 30' E 280

to highway

S 44° 40' W 750

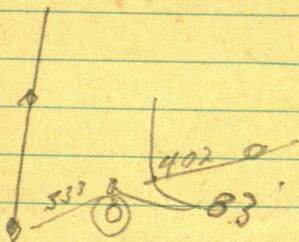
74

Mon, Nov 1954

yesterday was last
day of Deer hunting
Kids in School

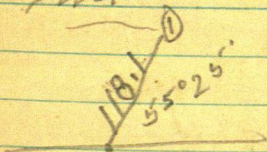
I drive to Pine River
pick up Oliver Olson
drive to N & S & Sec
28-140-29

Over J M Center of
Sec 28



Tower 83

run



stat in road

$\angle 55^{\circ}25'$ to run

N

76

272.

[illegible]

77

530

570

570

78

April 26-1955

I drive to Wadado

Lake Sec. 28-140-28

Work on line bet.

IMs on 6'63 ft W of E

Sec. line at spike in

\$ cement roadway

Site S on OO road

runs $S 40^{\circ} 50' W$

Sine 653861

Cosine 766615 into 436.15

Tang 864193

$$\begin{array}{r}
 756675 \\
 43615 \\
 \hline
 3783075 \\
 756615 \\
 4539690
 \end{array}$$

79

angle of road

$$756615 \text{ into } 10 \text{ ft} = 13.22$$

$$756615$$

$$43615$$

$$3783075$$

$$756615$$

$$4539690$$

$$2269845$$

$$26460$$

$$39997$$

$$756615$$

$$43615$$

$$3783075$$

$$756615$$

$$4539690$$

$$2269845$$

$$3026460$$

$$3299976$$

$$0024$$

80

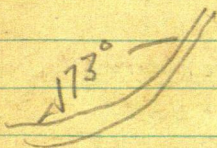
$$346 - 995 = 402.5$$

$$346 - 396 - 455$$

Over 60 ft up in
 County road on N4S
 of lot 3 S W angle

$$79^{\circ} 56' - 270 - 1.2 =$$

268.8 A.p.



$$1730 \div 2 = 86^{\circ} 30'$$

Corr 061049

$$\text{Since } 998135 \text{ into } 33 = 33.06$$

79°

79°56' 268.8 to AP

$$\text{Sine } 984354 \times 268.8 = 264.65$$

$$\text{Cosine } 175080 \times 268.8 = 47.06$$

Tower 268.8 BS N 79°56' E

+ run N 72°16' W 348.4

N 72°16' E 348.4

$$\text{Sine } 954934 \times 348.4 = 332.7$$

$$\text{Cosine } 296819 \times 348.4 = 103.41$$

330

$$\begin{array}{r} -264.65 \\ \hline 65.35 \end{array} \div 954934 = 68.43$$

Tower 348.4 BS S 72°16' E

run N 84°38' W 283.2

$$\text{Sine } 995617 \times 283.2 = 281.96$$

$$\text{Cosine } 093529 \times 283.2 = 26.49$$

82

$$\begin{array}{r}
 332.70 \\
 65.35 \\
 \hline
 267.35
 \end{array}$$

$$\begin{array}{r}
 33000 \\
 267.35 \\
 \hline
 62.65
 \end{array}$$

$$\begin{array}{r}
 201.94 \\
 62.65 \div 995617 = 62.93 \\
 \hline
 219.31
 \end{array}$$

$$\begin{array}{r}
 \text{lv. } 281.94 \\
 62.65 \\
 \hline
 219.31
 \end{array}$$

$$33 \div 995617 = 33.15$$

$$\begin{array}{r}
 213.54 \\
 113.69 \\
 \hline
 99.85
 \end{array}$$

$$\begin{array}{r}
 330.85 \\
 99.85 \\
 \hline
 230.15
 \end{array}$$

Tower 283.2 BS S $84^{\circ}08'W$
 run S $74^{\circ}08'W$ 222.

$$\text{Sine } 961901 \times 222 = 213.44$$

$$\text{Cosine } 273400 \times 220 = 60.72$$

$$33300$$

$$219.31$$

$$113.69 \div 961901 = 118.19$$

Tower 222. BS N $74^{\circ}08'E$

run S $83^{\circ}58'W$ 251.8

$$\text{Sine } 994461 \times 251.8 = 250.04$$

$$\text{Cosine } 105107 \times 251.8 = 26.47$$

$$330$$

$$260.04$$

$$79.96$$

$$9986$$

$$7996$$

$$19.89 \div 994461 = 20.00$$