

1981

Field Book

T148N R30W

T148N R31W

T147N R30W

T149N R28W

LANDLINE

FIELD BOOK #15

1981 JEFF ALLISON

BLACK DUCK SURVEY NOTES - L.L.L.

1980-1981

LANDLINE  
FIELD BOOK #15  
1981 J. ALLISON

Return to lines to pound post  
in spring time after thaw.

T148 R31 SEC 10

Line between the E<sup>1</sup>/<sub>4</sub> west to the  
C<sup>1</sup>/<sub>4</sub> - 12 sign post out there - bring  
signs. Also 3 sign post from  
the C<sup>1</sup>/<sub>4</sub> south need pounding bring  
signs.

E<sup>1</sup>/<sub>4</sub> south - about 3 sign post  
bring signs.

12/23/80  
JA MJ RD

T148 R31 SEC 29

Corrected line from the E<sup>1</sup>/<sub>4</sub>  
South to the SE SEC COR.  
Reset points on true line  
Painted and posted the E<sup>1</sup>/<sub>4</sub>  
South to the S<sup>1</sup>/<sub>16</sub> SEC 29+28.

Sta: 1 to 10	PTS	Dist
SE SEC 29	Sta. 1	36.4
	Sta. 2	300
	Sta. 3	700
	Sta. 4	1150
	Sta. 5	1320
	Sta. 6	1540
	Sta. 7	1775
	Sta. 8	2050
	Sta. 9	2300
	Sta. 10	2636

E<sup>1</sup>/<sub>4</sub> - post is South 6.40'

tail gate session - safety equipment  
importance, need and cooperation

12/29/80  
JA MJ JC

T148 R31 SEC 29 + SEC 16

posted line to standard from  
S<sup>1</sup>/<sub>16</sub> to the NE SEC 32 - painted  
BTS at NE SEC 32 and lines trees.  
Then went to the S<sup>1</sup>/<sub>4</sub> SEC 16  
Started to cut laser line East -  
got 450' - set point.

8:00 to 10:30 - worked on corner  
search project with Curt + Frank  
from County Surveyors Office.

12/30/80  
JA MJ MS

T148 R31 SEC 16

Worked on cutting line  
from S<sup>1</sup>/<sub>4</sub> East - 2000'  
Set pts on laser line

Sta 1	4.65	at S <sup>1</sup> / <sub>4</sub> sec 16
Sta 2	200	
Sta 3	450	
Sta 4	750	
Sta 5	1050	
Sta 6	1125	
Sta 7	1375	
Sta 8	1700	
Sta 9	2150	
Sta 10	2636	at SE sec 16

12/31/80  
JA MJ MS

T148 R31 SEC 16

Finished up  $\frac{1}{2}$  mile from  
S<sup>1</sup>/<sub>4</sub> East to the SE sec cor.  
random on laser line - fell off  
.2 to the south. Set pts for  
post at ? see 12/30/80  
painted and posted line from  
S<sup>1</sup>/<sub>4</sub> East approx 1320.

S<sup>1</sup>/<sub>4</sub> post is East 4.65'  
SE post is West 4.67'

11/2/81  
JA NT MS

T148 R31 SEC 16

Finished up posting and painting  
line to standard from S1/4  
East to SE SEC COR. certified  
the SE SEC COR.

8:00 to 11:30 - Research and  
corner work - made up order  
for most materials. Mike  
and Mike - painted sign post.

11/5/81  
JA NT MS

T148 R31 SEC 10

Searched for the E 1/4 Sec 10  
found and tied out - chained south  
to the S 1/4 Sec 10 and 11 searched  
for 1923 gas pipe - found flared lines  
but no evidence of corner - old fence  
line. Then chained west from  
E 1/4 to the CE 1/4 - found and  
tied out.

S 1/4 : plot distance was chained  
searched with metal detector - found  
old fence corner but no evidence of  
old 1923 and gas pipe.

1/6/81  
JA MS BP

T148 R31 SEC10

cut out random line from  
E114 to CE 1/2 - fell 4.7'  
to the North - corrected  
and ran true line 640'  
West.

sta 1	5	5
sta 2		340
sta 3		640
sta 4		900
sta 5		1190
sta 6		1310

$$\begin{array}{r} 1 \\ 340 \\ \underline{.4} \\ 1340 \\ 1314 \end{array} \quad \begin{array}{r} .10 \\ 1360 \\ \underline{1314} \\ 460 \end{array}$$
$$\begin{array}{r} 1 \\ 640 \\ \underline{.13} \\ 2560 \\ 1314 \\ \underline{1314} \\ 12460 \\ 11826 \end{array}$$

1/7/81  
JA MS BP

T148 R31 SEC10

Ran out true line from E114  
to CE 1/2 fell 1.2' off to the South  
Corrected and ran line - off .4'  
to the North. Set pts. on line.

Index cards need research

G-8

H-8

O-8

get distances to sign post for these corners

ON 1/6	200	20	-	5'
NE	500	8	-	33'
E 114	500	30	-	5.3'

1/8/81  
JA MS BD

T148 R31 SEC 10

Completed line from E<sup>1/4</sup> to  
CE<sup>1/4</sup> - ready to put. Then  
projected line west from CE<sup>1/4</sup>  
to center <sup>1/4</sup> - cut line out  
about 900'.

sta 1 5

sta 2 310

sta 3 625

sta 4 900

sta 5 1125

sta 6 1300

1/9/81  
JA MS BD

T148 R31 SEC 10

Ran line out from CE<sup>1/4</sup> west  
to center <sup>1/4</sup>. Fall 2.25' off to the  
north - corrected and set pts on  
true line - cut out and played line  
ready for posting and painting.

1/12/81  
JA MS MS

7148 R21 Sec 10

Painted line trees and posted  
where we could drive post (high  
ground to hard from frozen ground)  
from E<sup>1/4</sup> to the center by  
1/2 mile completed to standard.  
Will return to pound post in spring.  
Then ran <sup>compar</sup> line south from C<sup>1/4</sup>  
to the C<sup>5/16</sup> fell 24' off to the  
East. Tied out BTs - tap spk  
and remeasured corner OK. Then  
ran comparison line East to the  
SE<sup>1/16</sup> - located fell 98' to the  
North

1/13/81  
JA MS MJ

7148 R31 Sec 10

Ran theologic line South from  
C<sup>1/4</sup> about 1100'. Ran throw out  
over area about 500' and the  
rest through cedar swamp  
(hard to cut line)

Set gts:

sta 1	5'
sta 2	280'
sta 3	480'
sta 4	780'
sta 5	1080'
sta 6	1335'



11/4/81  
JH MT MS

T148 R 31 Sec 10  
(cedar jungle)

Finished out the line  
from C<sup>14</sup> south to the E<sup>5</sup>/<sub>16</sub>  
tell - 5.05' to the west  
connected ran true out  
set pts on line - ready  
to post.

11/5/81  
JH MT MS

T148 R 31 Sec 10

Ran the line East from  
C<sup>5</sup>/<sub>16</sub> to SE <sup>1</sup>/<sub>16</sub>. Cut line  
700' - projected line the rest  
of the way tell - 819' to  
the north. Connected and  
moved line out out 900'.

1/16/81  
JA MS TN

T148 R31 SEC 10

Ran the line out at  
the SE  $\frac{1}{16}$  - off 1.7  
to the North. Connected  
and set pts on line  
ready to post. Also  
plotted line ready to  
paint.

Sta	1	5
Sta	2	250
Sta	3	525
Sta	4	800
Sta	5	1075
Sta	6	1350

1/19/81

JA MS TN

T148 R31 SEC 10

~~Turned~~ 180° ~~at~~ SE  $\frac{1}{16}$   
Turned back sight CS  $\frac{1}{16}$   
projected line East - cut  
1307' - set pts on line  
ready to post.

	DIST
Sta 1	5
Sta 2	280
Sta 3	530
Sta 4	800
Sta 5	1050
Sta 6	1300

Super day 38° above zero

1/20/81

JA MS TN

Safety meeting

8:00 - 11:00

T148 R31 SEC 10

Searched for S $\frac{1}{2}$  sec 10 + N  
found gas pipe - tied  
out - ready for certification  
ran longline line north  
to E $\frac{1}{4}$  - off 7' + to  
East

1/21/81

JA MS TN

T148 R31 SEC 10

Posted and painted line from  
the C $\frac{1}{4}$  south to the C $\frac{5}{16}$  the  
East to the SE $\frac{1}{16}$  the East to  
the S $\frac{1}{16}$  - also certified the SE $\frac{1}{16}$   
and found the S $\frac{1}{16}$  - made new  
BTS - measured tagged and led rings  
also searched for the SE sec  
10 of sec 10 - found - did not  
tie out.

1/22/81  
JA MS TN

T148 R31 Sec 10

Ran compass line north  
from S<sup>1/4</sup> to E<sup>1/4</sup> distance  
1368' different from plat  
distance (long). off 20' to  
the East. Correct and ran  
theodolite line. Cut 600' the  
ran out 13.2' - corrected and  
ran cut 1200'.

1/23/81  
MS JA TN

T148 R31 Sec 10

Posted line from E<sup>1/4</sup> south  
to the S<sup>1/4</sup> - painted line trees  
then prepared job for next week  
located new area - contacted  
land owner. Came in the  
morning - re-surveyed - gung painted  
sign posts.

tail job occurred - happened out  
in the field.

1/26/81  
JA MH MS TN

T149 R28

Mike says came up for a  
survey check of a plat by  
Constock & Davis - between  
Federal land and private.  
We assisted in some chaining  
and searching for Irons  
set from this plat.

1/27/81  
JA MS TN

T148 R21 SEC 3

Research for 1<sup>st</sup> - cards to  
prepare for next job. Then we compassed and  
chained to the E<sup>1</sup>/<sub>4</sub> to locate  
the chained west to CE<sup>1</sup>/<sub>16</sub>  
found and certified - compass  
line off 41' south Chained  
south to SE<sup>1</sup>/<sub>16</sub> found and  
certified - compass line off  
67.5' to east.

1/28/81  
JA MS FB

T148 R31 sec 3

Ran theodolite line west from  
E $\frac{1}{4}$  to CE $\frac{1}{16}$  - fell 7'  
south corrected - out  
906'.

1/29/81  
JA MS FB

T148 R31 sec 3

1/2 day trying to get chain saw to  
run - had to go back to truck and  
get a replacement. Ran theodolite  
line from E $\frac{1}{4}$  west to CE $\frac{1}{16}$  - off  
5.4 to the south - corrected and  
ran true line set pts. ready to post

Sta. 1	5'
Sta. 2	355
Sta. 3	600
Sta. 4	850
Sta. 5	1100
Sta. 6	1332'

1/30/81

JA BT TN

7148 R31 SEC 3

Ran down from the north  
with customer - carried post in.  
also painted line from the  
E'14 west to the CE'16. also  
painted post for that 1/4 mile.

signpost at

E'14 - West - 4.6'

CE'16 - East - 5.2'

South

Came in at 3:00 for monthly  
planning meeting. 1 1/2 hr.

2/2/81

MS MJ JA

7148 R31 SEC 3

PM check - 1/2 hr - then went to  
Berwidji court house - researched  
former cards. - talked with  
George + Hank about correspondence.  
(Zhu) - Then went to the  
field. Brote trail into area of  
projected work plan. Will return  
tomorrow to start work.

2/3/81  
JA MS TN

1/2 putting bench saw  
together and connecting  
UPAC on painting post.

T148 R31 SEC 3

Ran checkline from  
CE 1/4 to SE 1/4 off 10.2'  
to the West located and  
cut true line 300' south.

2/4/81  
JA MS TN

T148 R31 SEC 3

Ran true line from CE 1/4 South  
to SE 1/4. Set pts on line - ready  
for posting. Also ran compass  
line west from SE 1/4 to CS 1/4  
chained distance at 1311' - out  
30' to the south.

from CE 1/4 to	SE 1/4
pt at	Distance
sta 1	5'
sta 2	200'
sta 3	450'
sta 4	700'
sta 5	1000'
sta 6	1330'



2/5/81  
JA TD MS

Attended First Aid Class  
8:00 - 4:30

2/6/81  
JA TD MS

T148 R31 SEC 3

Cut Random line - off 33' from the  
SE  $\frac{1}{4}$  to CS  $\frac{1}{4}$  - corrected - set cut  
line out 1310 Set 6.95' to the  
North. Corrected and re-adjusted  
pts on true line.

2/9/81  
JA MS TN  
Lold

T148 R.31 SEC 3

Ran in true line from BE'N  
to the CS'1/6 - pts at:

sta 1	10'
sta 2	3 10'
sta 3	6 00'
sta 4	10 00'
sta 5	13 04'

Qbs tied out CS'1/6 - remeasured  
set spk - tag - ready to  
paint and post.

2/10/81  
JA MS TN

T148 R.31 SEC 3

Ran Random line from CS'1/6  
to C'1/4 - fell .8' - corrected  
and set pt on true line -  $\angle$  is  
90° 02' 00. - dist.

sta 1	5'
sta 2	3 00'
sta 3	6 50'
sta 4	10 00'
sta 5	13 50'

tied out C'1/4 - remeasured, set tags  
red rings

2/11/81  
ms TN

I was on sick leave  
the guys went on fuel management

2/12/91  
JA TN TN

Planning meeting 1/2 hr

T148 R 31 Sec 8 3

Ran random line from C'44  
west to CW'116 - fell 10.5' to the  
south. Corrected and cut 300'  
on true line.

2/13/81  
JA MS MT

T148 R31 sec 3

Cut trace line from C114  
west to the CW116 -  
set pts on line. ready to post

	Dist.
sta 1	5
sta 2	300
sta 3	600
sta 4	900
sta 5	1175
sta 6	1328

Also tied out CW116 - remeasured  
spk tags -

fell gate sections - kick backs  
when falling trees - chain saw  
safty.

2/17/81  
JA MS MT

Safety Meeting - 7:30 - 10:00.

T148 R31 sec 3

Ran compass line North from  
CW116 to SMC - 600' - fell  
6' to the West. corrected and  
ran theodolite line - cut 600'  
set pts on line - ready to post.

sta 1	5'
sta 2	200'
sta 3	590'

Also tied out SMC - remeasured  
set spk tags - ready to post

2/18-19/81

Went to Grand Rapids for  
Jack Workshop - enjoyable trip

2/23/81  
JA MS TN

T148 R31 SEC 15

Located NE SEC 15 - certified  
tied out tagged spots and remeasured  
Then ran compass line west 1300  
to E  $\frac{1}{4}$  - off 107' to the south  
tied out corner - remeasured spots  
tag. also tied out the CE  $\frac{1}{4}$  sec  
4 - located and remeasured BTS.

2/24/81  
JA MS MS

T148 R31 SEC 10

Cut line to standard from  
the S $\frac{1}{2}$  sec 10 + 9 East to  
SW $\frac{1}{4}$  sec 10. Laser line off  
.3 to the South - corrected  
and set pts on line.

	Dist
Sta 1	5'
Sta 2	250'
Sta 3	320'
Sta 4	600'
Sta 5	950'
Sta 6	1320'

Also painted and posted line  
to standard.

SW $\frac{1}{4}$  sec 5.15 West  
S $\frac{1}{2}$  sec 5.05 East

2/25/81  
JA TN MS

T148 R31 SEC 4 & 35

Tied out the NE $\frac{1}{4}$  sec 4 -  
found corner - remeasured PTS  
set spk tags. Also ran line  
South to CE $\frac{1}{4}$  but no real  
reason to cut line to standard  
because of alder swamp. Then  
went to the SE sec 35 projected  
laser line North on road for 1500'  
and started to cut line - 750'

planning meeting - 1/2 hr

2/26/81  
JA MS TW

7148 R31 SEC 35

Cut laser line 850' from  
1500' pt North of SE sec 35  
to a pt approx. 300' south  
of E 1/4 sec 35. fell .7' off  
to the East. corrected and  
set pts on line. ready to  
post. Also flagged line trees.  
Then put signs on sign post  
1/2 mile from W 1/4 to the SW  
Sec 19. Cleaned on truck  
for 1 hr - get ready to take  
to shop for tune up tomorrow.

2/27/81

JA

Went to Btrami County  
Court House - researched owner  
cards - planned next months  
line to standard. 8:00 - 5:00  
used my own vehicle

3/2/81  
JA MS MS

T148 R31 SEC 19

E 1/4 Sec 30+19 North to SE 1/4

Ran theodolite line along  
ribbon line, fell 8' to the  
west - 300 - 5:00 planning  
meeting for month of March  
MS+MS painted sign post.

3/3/81  
JA MS TN

T148 R31 SEC 19

Ran true line from SE 1/4 North to  
SE 1/4 - set pts on line

	DIST
Sta 1	33
Sta 2	350
Sta 3	700
Sta 4	1000
Sta 5	1200
Sta 6	1375

also ran theodolite line West  
from SE 1/4 to CS 1/4 cut 400'



3/4/81  
JA MS DP

T148 R 31 sec 19

Ran the old line from SE  $\frac{1}{4}$   
to the CS  $\frac{1}{4}$  off - +86' to the  
North - located and set  
pt. on line. ready to post

	Dist.
Sta 1	5'
Sta 2	200
Sta 3	400
Sta 4	800
Sta 5	1200
Sta 6	1309

Also blazed line out from  
CS  $\frac{1}{4}$  to SE  $\frac{1}{4}$  to the E  $\frac{1}{4}$

3/5/81  
JA MS DP

T148 R 31 sec 19

Posted and painted line to standard  
started at the CS  $\frac{1}{4}$  went east  
to SE  $\frac{1}{4}$  then South to the E  $\frac{1}{4}$   
SEC 19 + 30. Also tied out the  
SE  $\frac{1}{4}$  with new 1375 - blazed & scribed  
and painted rod. Also posted and  
painted line between the SE SEC 35  
North to the E  $\frac{1}{4}$  SEC 35 - about  
950' between the road.

	Sign Post
CS $\frac{1}{4}$	East 5.35'
E $\frac{1}{4}$	North 25.65'
SE $\frac{1}{4}$	see corner card

3/9/81  
JA MS DP

T148 R31 SEC 1

located the SE sec 100 - tied  
out BTS. Then chained west  
1346' to E  $\frac{1}{16}$  off 44' to the  
South - tied out BTS. Then chained  
west 1347' to S  $\frac{1}{4}$  hit monument  
tied out BTS. Then chained  
west to the W  $\frac{1}{16}$  - off 51' to  
the south - tied out BTS.

3/10/81  
JA MS DP

T148 R31 SEC 1

Ran compass line from W  $\frac{1}{16}$  west  
to the SW sec 1 - searched area  
for BTS: will return after  
projecting true line from S  $\frac{1}{4}$  west  
to W  $\frac{1}{16}$ . Search time 2 hrs. Then  
Ran theodolite line west from S  $\frac{1}{4}$   
cut 700' - projected line - off 38.7'  
connected cut line - off 10' to the  
South. Will return to run true  
line tomorrow

3/11/81  
MS JA DP

T148 R31 Sec 1

Ran true line from S<sup>1</sup>/<sub>4</sub> west  
to the W<sup>1</sup>/<sub>2</sub> - cut 1346'. Then  
turned 180° and projected  
line west - cut 420'

Also set pts on true line

Sta 1 5'

Sta 2 330'

Sta 3 670'

Sta 4 1000'

Sta 5 1340'

Ties at corner

W<sup>1</sup>/<sub>2</sub> - West - 5.5'

East 5'

3/12/81  
JA MS

T148 R31 Sec 1

Ran projected line west from  
W<sup>1</sup>/<sub>2</sub> - cut 900' from where we left  
off - found wrong - line off .9' to the  
south - corrected line set pts on  
true line. Will return to certify the  
SW sec 100 sec 1 - left as found  
gas pipe flush with surface.

Sta 1 5'

Sta 2 325'

Sta 3 650'

Sta 4 1000'

Sta 5 1340'

7:30 - 10:30 - transferred equipment  
from 959 to 1059 - also wired  
up customer lights.

3/13/81  
JA MS DP

T148 R31 SEC 1

Cut line from S<sup>1</sup>/<sub>4</sub> East to  
E<sup>1</sup>/<sub>16</sub> - off 3.5' to the South  
connected and set pts on true  
line

	Dist.
sta 1	5'
sta 2	175'
sta 3	400'
sta 4	650'
sta 5	1000'
sta 6	1340'

Then projected line East from  
E<sup>1</sup>/<sub>16</sub> - cut 900'.

3/16/81  
JA MS MT

T148 R31 SEC 1

Cut line 500' East to SE sec 1  
Set pts on true line from E<sup>1</sup>/<sub>16</sub>  
East to SE sec 1.

	Dist.
sta 1	5'
sta 2	400'
sta 3	700'
sta 4	1000'
sta 5	1325'

Then went to shallow pond plot to  
establish north line of sec 5 T149  
R28 from the E<sup>1</sup>/<sub>16</sub> sec 5E 32 to the  
NE sec 5 - will return to turn angle  
at NE south to the E<sup>1</sup>/<sub>4</sub> sec 5.

Safety meeting  
7:30 - 10:30

5/17/81  
JA MS MS

T148 R31 Sec 1

Went to the SW sec 1 - certified  
found gas pipe - tied out to  
3"x8" steel post for BTS - nothing  
to mark. Then platted line  
East to the W1/4 - painted  
BTS; the painted line fixed to  
the S1/4 - painted BTS.

3/18/91

JA MS AT

T149 R28 Sec 5

Ran line South from the NE  
Sec 5 from angle compacted back sight  
the North 1/4 of Sec 5. Cut 1300'  
at position of the N1/4 sec 544.  
Extra care in dropping trees on forest  
service land. Correspondance with  
land owner since to hard to drive  
sign post. Will return to post  
when first leaves.

3/19/81  
JA MS MS

T149 R28 sec 5

Projected line south from  
N<sup>1</sup>/<sub>4</sub> lot E<sup>1</sup>/<sub>4</sub> sec 5 - off  
.4 to the East. Distance  
good. collected set thru  
line. 1/2 mile ready to  
post. Painted forest service  
side line trees. Will  
return to set posts on line

from NE to E<sup>1</sup>/<sub>4</sub> sec 5

sta 1	33'
sta 2	300'
sta 3	600'
sta 4	900'
sta 5	1300'
sta 6	1500'
sta 7	1750'
sta 8	2050'
sta 9	2300'
sta 10	

Trail gate session - Review  
of first aid

BN Tiber Crew

3/23/81  
3/24/81  
3/25/81  
3/26/81  
3/27/81

went to lake → 3/30/81  
for workshops on land line  
all day

Tiber crew → 3/31/81

T148 R30 sec 6 → 2/1/81

Searched for corners - found the  
S<sup>1</sup>/<sub>4</sub>. but ran out then went  
to Monday - researched corner  
cards for this area.

T145 R30 sec 6 4/2/81

Chained west from S<sup>1</sup>/<sub>4</sub> sec 6  
plot distance found corner tied out W<sup>3</sup>/<sub>4</sub>  
Then chained North plot distance to  
NW<sup>1</sup>/<sub>4</sub> found tied out; then chained  
East plot distance to C S<sup>1</sup>/<sub>4</sub> - 45' long  
Then chained North to mc 669' found  
corner tied out. all this in preparation  
of laser range pole

12:30 AM Landed to → 4/4/81  
Fire on Eastern Detail } 4/5/81  
(VIRGINIA) } 4/6/81  
Returned home at 3:00 AM → 4/7/81

T147 R30 sec 29 4/8/81  
Located the SE sec 29 to run  
traverse along South line of 29  
1 mile. Mike Hays and Beltrami  
County co-op agreement.

4/9/81  
JA

T149 R30 sec 29  
Finished up traverse from  
SE to SW sec corner with  
the Beltrami County help. Will  
return after traverse computed  
and run 3/4 mile along  
South side of sec 29. From  
Jerris land to standard.

4/13/81  
MS JA JO

7148 R30 sec 6

Started at MC on East side of  
Shelstad Lake near East 601, searched  
for CE  $\frac{1}{4}$  - could not find any  
evidence - then chained north  
1000' to MC - found gas pipe and  
two BTs. Then we found the  
E  $\frac{1}{4}$  - tied out and then chained  
West 1332' fell 70' north  
and 50' West of portion of CE  $\frac{1}{4}$ .  
Searched area again for pine stps.

4/14/81  
JA MS JO

7148 R30 sec 6 E5

At E  $\frac{1}{4}$  - Chained North plot dist. to  
N  $\frac{1}{4}$  sec 540 fell 94' to the west  
dist. good - tied out corner; then  
chained East plot dist. found  
NW  $\frac{1}{4}$  - fell 8' North - tied out corner;  
Then Chained South plot distance  
found SW  $\frac{1}{4}$  - off 7' to the East  
dist. good.



4/15/81  
JAMES JO

T148 R31 SEC 6

Prepared line for laser  
at the S<sup>1</sup>/<sub>4</sub>, W<sup>1</sup>/<sub>2</sub>, SW<sup>1</sup>/<sub>4</sub>,  
CW<sup>1</sup>/<sub>2</sub>, MC; cut cardinal  
direction so to shoot out  
of these areas. Then  
we contacted landowner  
to inform of line to Standard  
Then chained south to  
the SW<sup>1</sup>/<sub>4</sub> from CW<sup>1</sup>/<sub>2</sub>.

4/16/81

press Meeting - 2 1/2 hr

T148 R31 SEC 6

James Line - 5 shots - started  
at the E<sup>1</sup>/<sub>4</sub> shot west to MC.  
Then set at the CS<sup>1</sup>/<sub>4</sub> shot  
North to MC. Then shot west  
to the SW<sup>1</sup>/<sub>4</sub>. Then set at the  
W<sup>1</sup>/<sub>2</sub> SEC 6 and 7 shot North  
to the SW<sup>1</sup>/<sub>4</sub>. Then shot East  
to the S<sup>1</sup>/<sub>4</sub>.

4/17/81  
JA MS JO

Iron Standby - 8 hr

4/20/81  
JA MS JO

T148 @ 30 sec 6

Broke down with cashman  
spent d'll morning on repairs  
loaded up on trailer and  
got the thing the hell out of  
there. Then searched for a  
corner in T148 R31 sec 17  
WC on the NE of that section.  
Found - could not occupy  
for laser shot. Has to be done  
in winter.

Safety meeting 2 hr.

4/20/81  
MS JA JO

T148 R30 sec 11

Searched for NE sec 11 - Found, then  
located the N'1/6 sec 11 E12; then  
chained south along fence line,  
found E'14; Peter Ready to start  
to standard. Rained all afternoon.

4/22/81  
JA MS 50

T148 R30 SEC 11

Searched for the CN<sup>1/16</sup> - found  
and tied out. Then chained  
south to C<sup>1/4</sup> - <sup>1320</sup> off 53' to the  
East. Tied out corner OK - then  
chained south to CS<sup>1/16</sup> along  
fence line - dist 1305' - found  
OK - tied out corner.

Tail gate sensor - meters  
and awareness of hazards

4/23/81  
JA MS 50  
planning meeting - 1/2 hr

T148 R30 SEC 11

Ram - recorded corner card info  
Also planned work for next quarter  
• compiled info for next project  
cleaned up vehicle and sharpen  
tools, searched for the NE  
SEC 11 - tied out corner once  
found. Then chained west 1/2  
mile to N<sup>1/4</sup> found corner iron  
destroyed - have to replace - tied  
out.

4/27/81

I was on sick leave  
Mike and Jim went on  
plantation release with  
Cutter

4/28/81  
SA Mr. JO

T148 R30 SEC 11

Ran theodolite line south from  
N<sup>1</sup>/<sub>4</sub> to the E<sup>1</sup>/<sub>4</sub> - off 5' to the East  
located and cut line line.  
set pts on line -

Sta 1 15'

Sta 2 300'

Sta 3 650'

Sta 4 1000'

Sta 5 1310'

Fixed machine trailer lights

4/29/81  
JH MS JO

T148 R30 Sec 11

<sup>instrument</sup>  
Ran line from C<sup>5/16</sup> to the C<sup>1/4</sup>  
fell off fence line. True line  
runs on the west side or private  
side of the fence - approx 5'.  
Set pts on true line:

C<sup>5/16</sup> to C<sup>1/4</sup>

Sta 1 15'

Sta 2 350'

~~Sta 3 650'~~

Sta 4 950'

Sta 5 1300'

Then projected line North to  
the C<sup>5/16</sup> - fell .6' to the west  
corrected and set pts on true line:

C<sup>5/16</sup> to C<sup>1/4</sup>

Sta 1 5'

Sta 2 300'

Sta 3 650'

Sta 4 950'

Sta 5 1315'

4/30/81  
JH MS JO

T148 R30 Sec 11

Ran headsets line from C<sup>5/16</sup>  
North to the N<sup>1/4</sup>; cut 1320' - fell  
.1' to the West - corrected set pts  
on line:

C<sup>5/16</sup> to N<sup>1/4</sup>

Sta 1 5'

Sta 2 500'

Sta 3 650'

Sta 4 1000'

Sta 5 1300'

5/1/81  
JA MS BT

T148 R30 Sec 11

Certified the N<sup>1</sup>/<sub>4</sub> - reset  
Brass Cap since con. union was  
destroyed - tied out BTS.

Then dropped off sign post  
down line South 1 mile.  
Ready to post

5/1/81  
JA MS TO

T148 R31 Sec 1

Posted line from SW East  
to W<sup>1</sup>/<sub>2</sub> - painted line trees and  
BTS. Then posted East to S<sup>1</sup>/<sub>4</sub>  
painted line trees and BTS. Then  
posted East to E<sup>1</sup>/<sub>2</sub> - painted line  
trees and BTS. Then posted East  
to SE - painted line trees and  
BTS.

tail gate recession - slips and falls

5/3/81  
JA MS JO

T148 R 31 SEC 10

posted line from C<sup>14</sup> East  
1/2 mile - tied out sign post  
at corner.

T149 R 28 SEC 5

started to post line from  
E<sup>14</sup> North - also tied out  
the E<sup>14</sup> - measured new BTS  
and painted BTS and line  
trees.

5/6/81  
JA MS JO

T149 R 28 SEC 5

Finished posted line from  
E<sup>14</sup> to NE - painted line trees  
also tied out NE - measured  
new BTS and painted.

Then caught up on corner  
cards for West quarter report  
also sharpen tools - maintenance

NOTE:

N<sup>14</sup> SEC 584

sign post is South approx 3.6'  
nothing set at this position

check plat of Shallow Pond for position  
and trees

planning meeting '3hr

5/7/81  
JA MS TB

T148 R30 SEC 11

On the way to the job - deep  
haz into trench - caved in down  
side door - unbelievable!

Ran theodolite line south  
from C5'16 to S'14 - cut 1305  
off 4' from 180° at C5'16

back-sighting C'14 - corrected  
set pts on line.

C5'16 to S'14

sta 1 5'

sta 2 325'

sta 3 650'

sta 4 1000'

sta 5 1300'

Also tied out S'14 - re-measured  
BTS - tagged - ready to post.

5/11/81  
JA MS TB

Filled out paper on accident on  
5/7/81; Mike and Tony filled out  
witness reports. Then took truck  
to get estimation at two body shops  
Half day spent on this crap.

T148 R 31 SEC 1

Correspondence with land owner; recorded  
owner info for this job. Then located  
the C5'16 - looked over line in question



5/12/81  
JA MS TO

T148 R31 SEC 1

Replaced vehicle - so reorganized  
everything in 40' 1/2 hr

Then we chained north 159' 2  
from CN'06 to N'14 fd; off  
123' to the west Tied out corner  
then chained west from N'14 1321  
fd standard corner to 36 S'14 west  
335' continued chaining west to  
W'16 fd; off 32' to the south  
Tied out corner then chained  
south 1200' to take at 505W  
Then chained west from CN'06  
1320' at west bearing; then returned  
to 1200' at take off set chained down  
to westerly line from CN'06 to NW'06  
distance intersection at 11620' - looks  
like position of NW'06 fault in lake.  
Bearing from W'16 south fits good

5/13/81  
JA MS TO

T148 R31 SEC 1

Spent 1/2 day in Buttrick County  
looking up information on corners.  
Also lined up some info for Mike Hays  
to pick up.

Then chained south from CN'06  
1310' at 504W - found gas pipe in  
center of road - off 15' to the west.  
Distance fits good. Tied out with  
NW BS - measured set spike and tags.  
Will run line to standard

5/14/81  
MS JA JO

T148 R 31 SEC 1

Cut the middle line from  
CN 1/4 south 1310' off 1/4 to  
the west - Connected and set  
pts on true line.

CN 1/4 - C 1/4

Sta 1 - 5

Sta 2 300

Sta 3 500

Sta 4 800

Sta 5 1050

Sta 6 1275

5/15/81  
JA MS JO

mine and join on Fire stand by  
Dera Lake Creek; I was on stand by  
on Blackduck Creek. - 8<sup>3</sup>/<sub>4</sub> hrs.

5/18/81

JA MS JO

Started on project in T148 R 31 SEC 1  
Trapped broke - had to change plans  
Went to T148 R 30 SEC 11 - posted  
1 mile through center of sec. Then  
Painted line trees and BTS. 1  
mile complete to standard.

5/19/81  
JA MS JO

T148 R30 SEC 11

Lined plantation from NE  
South 600'; cleared and ready  
to run true line. Then posted  
and painted line + locs from N<sup>116</sup>  
South to E<sup>114</sup>. Then tied out  
and painted Bts at E<sup>114</sup> and  
N<sup>116</sup>.

5/20/81  
JA MS JO

T148 R30 SEC 11

Wanted limits from plantation;  
then we ran line from NE to  
the N<sup>116</sup>. Set pts on trees from  
NE to N<sup>116</sup>

Sta 1 33'

Sta 2 300'

Sta 3 600'

Sta 4 1100'

Sta 5 1300'

post and painted trees for the  
1<sup>14</sup> mile; also painted Bts at  
the N<sup>116</sup> and NE.

5/21/81  
JA MS JO

T148 R30 SEC 5

Ran compass line from  
SW  $\frac{1}{4}$  to the E  $\frac{1}{4}$  distance  
1305' off 75' to the North  
tied out pts. at the SW  $\frac{1}{4}$   
tags and sph remeasured also  
tied out the E  $\frac{1}{4}$  - tags  
sph and remeasured. Then  
ran compass line East  
from E  $\frac{1}{4}$  - hit river at  
660' - could not get across  
will return on other side  
to continue to SE  $\frac{1}{4}$

5/26/81  
JA MS JO

T148 R31 SEC 1

Projected line North from NW  $\frac{1}{4}$   
to N  $\frac{1}{4}$  - cut 1556 - off 1.3' to  
the East. Corrected - ran line  
line - set pts on line.

CN to N  $\frac{1}{4}$

sta 1	5'
sta 2	300'
sta 3	600'
sta 4	950'
sta 5	1300'
sta 6	1550'

5/27/80  
JK MS JO

Softy meeting 7:30 - 10:30

T148 R31 sec 1

Ran theodolite line on standard  
parallel - occupied the S<sup>1</sup>/<sub>4</sub> sec 36  
T149 R31 backsighted the  
N<sup>1</sup>/<sub>4</sub> sec 1 projected line west.  
cut 1320' total - off 9.5' to  
the North. Our correction at  
the S<sup>1</sup>/<sub>4</sub> sec 36 was 2.70" South.

5/28/81  
JK MS JO  
planning meeting 1/2 hr

T148 R31 sec 1

Corrected line from N<sup>1</sup>/<sub>4</sub> to W<sup>1</sup>/<sub>4</sub>  
Set pts on true line.

Sta 1	5'
Sta 2	935'
Sta 3	550'
Sta 4	790'
Sta 5	8050'
Sta 6	1315'

Spent 3 hrs - setting up project for  
next week.

5/29/81  
JOMS

T148 R30 Sec. 11

Located SW  $\frac{1}{4}$  and W  $\frac{1}{4}$   
Monuments o.k. Many BT's  
deteriated. Tied out:  
remaining BT's of previous  
survey. Set up and tied  
out new BT's. Searched  
for S  $\frac{1}{4}$  Sec. 11 & 10. Found  
approx. CLT only.

JA on leave until  
6/5/81. Good luck fishing,  
Jeff!

6/1/81  
JOMSTB

T148 R31 Sec. 1

Posted line from  
W  $\frac{1}{4}$  to N  $\frac{1}{4}$  & N  $\frac{1}{4}$   
to C  $\frac{1}{4}$ . Measured line  
monument posts. Marking  
all and recording as  
perpetuation info.

6/2/81  
JOMS TB

T 148 R 31 Sec. 1

Blazed & painted from  
W $\frac{1}{16}$  to N $\frac{1}{4}$  & N $\frac{1}{4}$  to C $\frac{1}{4}$ .

T 148 R 31 Sec. 11

Chained from SW $\frac{1}{16}$  South to  
W $\frac{1}{16}$ , off 60.5' East. Distance 1320'.  
Put up BT & CL tags at W $\frac{1}{16}$ .

6/3/81  
JOMS TB

T 148 R 31 Sec. 11

Cut theodolite line from  
SW $\frac{1}{16}$  900' toward the  
W $\frac{1}{16}$ . Put up BT & CL  
tags at SW $\frac{1}{16}$ .

Planning mtg. - 1/2 hr.

6/4/81  
JOMSTB

T 148 R 30 Sec. 11

Finished running line from SW 1/4 to W 1/4, OFF 1.8' to East. Corrected and set pts. on true line.

SW 1/4	to	W 1/4
Sta 1		20'
" 2		400'
" 3		650'
" 4		900'
" 5		1315'

Raked lawn at station. 1/2 hr.

6/5/81  
JOMSTB

T 148 R 30 Sec. 11

Posted, blazed line trees, and painted line of standard from SW 1/4 to W 1/4. Searched for SW sec. corner. Located gas pipe, bent and out of position. 5" x 5" TAM post to NW w/ poster in poor condition. Searched for SW 1/4 again. No luck.

Raked lawn and sheared grass around the office. 1 hr.



6/8/81  
JR MS JO

T148 R31 SEC 10

Ran the old line from S $\frac{1}{2}$  9E10  
south to the SW: cut 1300'  
off 4' to the west; corrected  
line - started to run line - cut  
approx 650'

6/9/81  
JR MS JO

T148 R31 SEC 10

Ran five line from S $\frac{1}{2}$  south  
to SW sec 10. Set pts on line

Sta	1	5'
Sta	2	250'
Sta	3	600'
Sta	4	850'
Sta	5	1100'
Sta	6	1315'

Cleaned up tops of fallen trees in  
right of way of road; Then posted  
and painted this line to standard

6/10/81  
6/11/81  
JA + JO went  
to Defensive Driving course

6/15/81  
JA SS MS  
T148 R31 SEC 1  
and T148 R30 SEC 6

Had to rerun the line from  
the N<sup>1</sup>/<sub>4</sub> SEC 1 west to standard  
corner - S<sup>1</sup>/<sub>4</sub> SEC 36 then west  
to the W<sup>1</sup>/<sub>4</sub> SEC 1 & 36.  
N<sup>1</sup>/<sub>4</sub> to S<sup>1</sup>/<sub>4</sub> to W<sup>1</sup>/<sub>4</sub>

Sta 1	5'	
Sta 2	330'	
Sta 3	340'	} tied into S <sup>1</sup> / <sub>4</sub> SEC 36
Sta 4	600'	
Sta 5	900'	signal post
Sta 6	1315'	East - 5' West - 5'

Then chained from the NW SEC  
6 East 1403' could not find corner  
chained south 890' searched for  
MC - could not find.

6/14/81  
JA MS JO

T148 R30 SEC 5

Ran the delimiting line from the  
NW 1/4 South to the CW 1/4.  
cut 1320 - off 7' to the East.  
Corrupted cut 600'.

Safety meeting - 7:30 - 10:30

6/17/81  
JA MS JO

T148 R30 SEC 5

Cut out line from NW 1/4 to  
the CW 1/4; set true line:

Sta 1	5'
Sta 2	360'
Sta 3	700'
Sta 4	880'
Sta 5	1070'
Sta 6	1310'

Then posted this line and painted  
the trees and BTs.

sign post

✓ NW 1/4 - South 5.14

✓ CW 1/4 - North 5.13

tail gate decision - falling trees,  
widow making snag;

5/18/81  
JA MS JO

Researched corner info - organized  
truck and corner lands. Shaper and  
pave and maintenance equipment

T148 R30 sec 11

Searched for S<sup>1</sup>/<sub>16</sub> sec 9 & 10  
chained north and south  
plat distance.

6/19/81  
JA JO TB

T148 R30 sec 5

Ran line with theodolite occupying  
the NW<sup>1</sup>/<sub>16</sub> back sight the MC to the  
east - private surveyors Fion. then  
projected line west. cut 1300' - ~~cut~~  
35' to the north. Corrected line  
cut 600'.

6/22/81  
JA MS JD

T148 R 30 sec 5

Ran line from NW $\frac{1}{4}$  West  
to the N $\frac{1}{16}$  sec 5 & 6 - off  
.75 to the North. Corrected  
new true line - set pts on line

NW $\frac{1}{4}$  to N $\frac{1}{4}$

Sta 1 5'

Sta 2 320'

Sta 3 760'

Sta 4 760'

Sta 5 900'

Sta 6 1300'

6/23/81  
JA MS JD

T149 R 30 sec 29

Turned angle at E $\frac{1}{16}$  sec 29  
and 32 - back sight at pt. 101;  
projected line West on section  
line - cut 650'. Also correspondence  
with land owners.

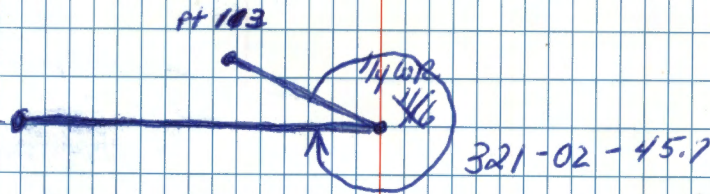
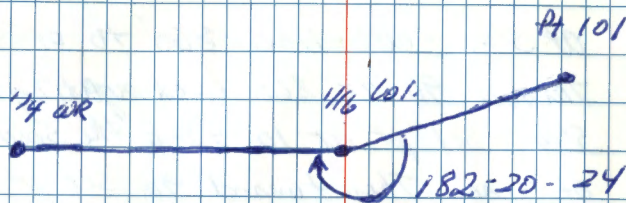
6/24/81  
JHMSJO

T149 R30 SEC 29

Continued line west from  
E 116 to the S 1/4 sec 29.  
Off .15' to the north directed  
set ~~five~~ pts on true line

Sta 1	
Sta 2	300
Sta 3 <del>550</del>	550
Sta 4 <del>750</del>	750
Sta 5 1000	1000
Sta 6	1260

Then ~~cut~~ turned angle from pt 113  
at 114 low to project line to sec  
corner. Cut 500' west





6/29/81  
JA MS JO.

T 147 R 30 SEC 32 E 29

Continued west from pt 6 cut  
250' set pt 7. Then cut 220'  
Set pt 8; Then cut 200' set pt 9  
Then came to NW SEC 32 - off  
1.5' to the North.

6/30/81  
JA MS JO

T 147 R 30 Sec 32

Corrected line - ran theodolite  
back East on true line for check  
from NW to N<sup>14</sup> - OK  
NW to N<sup>19</sup>

Sta. 1	85
Sta. 2	235
Sta. 3	440
Sta. 4	660
Sta. 5	930
Sta. 6	1170
Sta. 7	1510
Sta. 8	1690
Sta. 9	1990
Sta. 10	2280
Sta. 11	2465

Ready to post this  $\frac{1}{2}$  mile  
also tied into shed that is on Forest  
Service land - see diagram



7/1/81  
JA MS JB

T147 R 30 SEC 32

Painted and posted line from  
E 1/4 SEC 32 & 29 west to N 1/4

Then west to NW 3/4 COR.

Also tied out N 1/4 - prepared  
for certification. - New BTS - sign  
post - measured and recorded  
on corner card.

7/2/81  
JA JB JW

T147 R 30 SEC 32

Tied out the NW SEC 32 -  
re-measured painted BTS - checks OK.  
Then went to E 1/4 SEC 32 & 29  
measured to new BTS - tagged and  
painted red. Left monuments  
as found. Also took film of  
job travel for monthly report  
meeting

Ties for NW SEC 32 T147 R 30

V-5

Tam 11 N 68 W - 49.0'

Tam 9 S 73 W 56.4'

Tam 1 N 41 W - 82.6'

Oak 6 N 79 E - 15.5'

Tail gate - prepared for monthly report  
meeting - foot travel

7/6/81  
JA JO MS

7148 R 30 SEC 6

Cut survey line from CS  $\frac{1}{4}$   
North to MC on Lake Gillback  
cut 760' - off .7' to the west  
connected set pts on true  
line.

sta 1	5
sta 2	100
sta 3	380
sta 4	480
sta 5	590
sta 6	755

ready to post and paint.

7/7/81  
JA MS JO

7148 R 30 SEC 6

Cut corner line from CS  $\frac{1}{4}$  West  
to SW  $\frac{1}{4}$  1350' off - 1.3' to the  
South - corrected - set pts on  
true line. - ready to post and paint

sta 1	5
sta 2	180
sta 3	360
sta 4	535
sta 5	860
sta 6	1010
sta 7	1275
sta 8	1345

NOTE: This line is approx 45'  
long as to County plat of SEC 6  
distance

7/8/81  
JA MS JW

T148 R30 sec

Cut laser line from W1/4  
North 1320 - off .35 to  
the East - connected set  
pts on true line.

to  
SW 1/4

sta 1	5
sta 2	125
sta 3	490
sta 4	820
sta 5	1130
sta 6	1305

7/9/81  
JA MS JW

T148 R30 sec 6

Cut laser line from W1/4  
East to the S1/4 - cut 1000'.  
Set pts on random line.

W1/4 East to S1/4

sta 1	5	
sta 2	250	170
sta 3	780	170
sta 4	800	340
sta 5	1100	140
sta 6	1310	480

7/13/81  
JA JW

T 148 R 30 sec 6

520 Ram line out from 1000  
-8 pt from W<sup>1</sup>/<sub>4</sub> to S<sup>1</sup>/<sub>4</sub>. off  
4160 75' at W<sup>1</sup>/<sub>4</sub> where laser receiver  
was at. - corrected line set  
true pts on line. see day  
6/9 for station pts.

1316  
    .31  
    4160  
    3948  
    -----  
    2120

7/14/81  
JA MS JO

Researched owner information  
at Putnam County, also picked  
up tape splices. Then went  
back to office and painted  
sign post and office work  
rained all day!

7/15/81  
JA MS JO

T148 R30 sec 6

posted and painted lines  
from MC to CS<sup>1/4</sup> then  
west to SW<sup>1/4</sup> the South  
to the W<sup>1/4</sup> then East  
to the S<sup>1/4</sup>. All line  
complete to standard  
lower also up to standard.

Ties to signpost sec - 6

- |                       |       |        |
|-----------------------|-------|--------|
| ✓ SMC -               | South | 28.40' |
| ✓ CS <sup>1/4</sup> - | West  | 5.26'  |
|                       | North | 6.12   |
| ✓ SW <sup>1/4</sup> - | South | 5.45'  |
|                       | East  | 5.49'  |
| ✓ W <sup>1/4</sup>    | North | 4.82'  |
|                       | East  | 5.12   |
| ✓ S <sup>1/4</sup>    | West  | 6.97'  |

planning meeting Nahu

7/16/81  
JA MS JO

T148 R30 sec 6

painted and posted line from  
the W<sup>1/4</sup> East to S<sup>1/4</sup> painted  
BTS. Then west to the N<sup>1/4</sup> sec 5  
painted line and posted to the  
NW<sup>1/4</sup> sec 5.

Ties to signpost sec 6 & 5

- |                           |      |       |
|---------------------------|------|-------|
| N <sup>1/4</sup> -        | East | 4.95' |
| ✓ NW <sup>1/4</sup> sec 5 | West | 5.25' |
| ✓ S <sup>1/4</sup> sec 6  | West | 6.97' |

7/17/81  
JA MS JD

T148 R30 SEC 6

Ran laser line west from  
E1/4 SEC 6 to the CE1/4.

cut 860' - dot of Balsams

7/20/81  
JA JO EG

T148 R30 SEC 6

Completed line from E1/4 west  
1900' to MC of Lake Gulstad, off  
1.75' to the south; talked to  
Rich Leen about line - no problem  
with dispute - agreed to everything  
we have done, and to marking  
line trees with red paint.

dry melting - Foot Hovel  
tailgate recovers 7:30 - 9:30

7/21/81  
JA MS JO

T148 R30 SEC 6

Connected line from MC East  
to E'14 - fell .9 to the  
North; collected re-iron  
line back for check - set  
pts on true line.

MC to E'14

sta 1	5
sta 2	280
sta 3	432
sta 4	510
sta 5	595
sta 6	670
sta 7	990
sta 8	1250
sta 9	1540
sta 10	1925

Then post and painted line  
from MC East 600'

MC tie - East 4.87

steel skip post

7/22/81  
JA MS JO

T148 R31 SEC 13

Ran compass line East from N'14  
500' to MC - searched for collar with  
metal detector - found remains of  
old fence line under water. Beaver  
dam has raised water level about  
2' Could not locate gas pipe so  
ribbed up old fence line for  
timber sale

Planning meeting 1/2 hr

7/23/81  
JA MS JO

Researched out corner info.  
on T149 R27 sec 14 for  
state title - correspondence with  
Bob on how to approach subdivision.

T148 R31 sec 13

Ran compass line South from  
N<sup>1</sup>/<sub>4</sub> sec 13 to CN<sup>1</sup>/<sub>4</sub> channel  
1313 - found corner - off 43'  
to the East. Found gas pipe  
and two BTS from 1920  
subdivision. Tied out corner  
for certification.

day meeting - digging old roads

7/27/81  
JA JW JO

T148 R31 sec 13

Talked to land owner and got  
OK to survey this line out; Mrs.  
Smith said no problem for permission  
on line from N<sup>1</sup>/<sub>4</sub> South 1/2 to C<sup>1</sup>/<sub>4</sub>.  
Cut landowner line South from N<sup>1</sup>/<sub>4</sub>  
700' - projected line out off 23' to  
the West - corrected out line South  
500'

1313	4	
6450		
6565		
150		
43		
450		
6000		
450		

300	47
21	
300	
300	
6300	
5250	
10500	



7/28/81  
JA MS JO

T148 R31 SEC 13

Cut line south from  
N<sup>114</sup> to CN<sup>116</sup> - off 6' to  
the East. Connected and  
ran true line, set pts on line

sta 1	12'
sta 2	300'
sta 3	450'
sta 4	700'
sta 5	1000'
sta 6	1308'

projected line south - cut  
300 set pts.

7/29/81  
JA MS JO

T148 R31 SEC 13

Cut line south from CN<sup>116</sup>  
had to off set at 570' turned 90°  
to the East 6.13' ran south 50' turned  
90° back to random line; cut to  
1313'. Then searched for corner; C<sup>114</sup>  
found corner - Iron pipe with old  
wood post - off .2' to the East.  
Connected set true line.

sta. 1	5'
sta 2	300
sta 3	450
sta 4	570
sta 5	855
sta 6	1307'

7/30/81  
JA MS JO

+148 R31 Sec13

Posted and painted line to standard from N<sup>14</sup> south to CN<sup>14</sup> south to the C<sup>14</sup>. Also placed and scribed and painted BTS at CN<sup>14</sup> and at the C<sup>14</sup>. Set Brass capped Iron pipes at the C<sup>14</sup> and CN<sup>14</sup>.

Ties:

N <sup>14</sup> Sec13	: South	12.71
CN <sup>14</sup> Sec13	: North	5.23
	South	5.16
C <sup>14</sup> Sec13	: North	5.02

7/31/81  
JA MS JO

Research corner information, maintenance on brush saw, chain saw and sharpen tools. also tried to figure out needs for next year; organized what we have and what we need to order.

8/3/81  
JA MS JO

T148 R31 SEC 1

C'14 Found gas pipe 1x18" flush  
with surface at the C'14 sec 1  
Removed gas pipe to set  
Brass capped Iron pipe. Reset  
gas pipe down 2" below load  
surface; then set 2' Brass capped  
Iron pipe on top of gas pipe  
down 6" below surface marked  
Blazed and scribbled existing T148N R31W  
BTS

44-51

1981

RCS NO.

3:00 - 5:00 planning meeting

8/4/81  
JA MS JO

T148 R31 SEC 10 & 11

5'1/2" Found gas pipe up 8"; tied out  
and set 5' Brass capped Iron pipe  
marked up 1.3' with gas pipe on North  
T148N R31W side of B.C.

5'1/2"  
510-511

1981

RCS NO.

T148 R31 SEC 19

E'1/2 SEC 30 Found gas pipe down 8" reset  
down 2'1/2' - set Brass Cap down 8" on top  
of gas pipe

SE'1/2 - Found gas pipe up 8" - tied out  
set Brass Capped Iron pipe up 1.5'  
with gas pipe on East side of B.C.

8/5/81  
JA MS TO

T143 R31 SLC1

SW SCLOR -

Found gas pipe up 3" - tied  
out - set 2' Brass capped Iron  
pipe up 1.5' marked  
with gas pipe on North  
side.

T148N R34W

52 51

511 512

1981

RLS NO.

T147R 30 SLC 32

N<sup>1</sup>/<sub>4</sub> Found 2" x 3' ~~power~~ cable anchor  
down 3" in South wheel track;  
Tied out - set 2' Brass capped Iron  
pipe down 6" below road surface  
marked T147N R30W - removed  
→ surrounded cable anchor  
by rock mound <sup>1</sup>/<sub>4</sub>

529

532

1981

RLS NO.

E<sup>1</sup>/<sub>4</sub> Found Iron down 2" - tied out - also found  
cable anchor down 2' - tied out - set  
cable anchor down 3' - with P.C on  
top of cable anchor. - marked

T149N R30W

529

E<sup>1</sup>/<sub>4</sub> 532 PL 1A

1981

8/11/81  
JA

Went to SO to talk to Mike  
Nays on projects next year. Also  
hauled down cushions and herbicide  
barrels drop off in bone yard. Then  
picked up 50 5' mun. and 36 steel  
sign post from Cass lot. Got back  
to Blackduck - correspondence with  
Bob on like for next year; also  
Norm Watson - timber sale correspondence

Mike and Jim on rain saw crew

8/10/81  
JA MS JO

T150 R26 SEC 5 & 6

Ran random line from W1/4  
sec 5 south 1430' to the  
S1/4 - off 25' to the west, corrected  
line ran south off ~~1.1~~ 1.1' to  
the west. Had to leave area  
for trip back at 3:00.

8/11/81  
JA MS JO

~~T150~~ T150 R26 SEC 5

Corroded and ran true line from  
W1/4 south to the S1/4 - pts on  
line.

- sta 1 5'
- sta 2 300'
- sta 3 550'
- sta 4 800'
- sta 5 1050'
- sta 6 1430'

Projected line from S1/4  
to section corner 5, 6, 7 & 8.  
off .6' to west, pts. on  
line

- sta. 1 5'
- 2 175'
- 3 420'
- 4 700'
- 5 1050'
- 6 1415'

8/12/81  
JA MS JO

T 150 R 26 Sec. 5

Ran North from W'14 1330'  
off . 85' to the west. Turned  
angle of 181° 46' at W'14  
backsighting the S'14.  
Corrected line. Set true  
line from W'14 to N'16.

Sta 1	5'
Sta 2	250'
Sta 3	500'
Sta 4	700'
Sta 5	1000'
Sta 6	1325'

8/13/81  
JA MS JO

T 150 R 26 Sec 5

Ran North from N'16 from  
backsighting the W'14 - cut 1330'  
off . 8' to the west east - corrected  
and set pts on true line

Sta 1	5'
Sta 2	350'
Sta 3	700'
Sta 4	1000'
Sta 5	1325'

Then turned angle at S'16. Correct  
interior - 86° 54' backsighting  
the N'16 - cut 1100' East.

8/14/81  
JA MS JO

T150 R26 sec 5

Turned angle  $86^{\circ} 54'$  at  
the NW - backsight the  
N $11/16$  - cut 1325' East to W $1/16$   
off .31' to the North  
located - set true line

sta 1	5
sta 2	250
sta 3	480
sta 4	750
sta 5	1000
sta 6	1310

Then painted and posted that  
line and line from NW south  
to the W $1/16$   $3/4$  mile.

8/17/81  
JA JO MI

T1450 R26 sec 5

Painted and posted line from the W $1/4$   
south  $1/2$  mile to the SW sec cor.  
Then brushed line from SW East  
 $1/4$  mile. Used compass bearing of  
S88E.

8/18/81  
JA MS JO SB

T150 R26 sec 18

verified the E<sup>1</sup>/<sub>4</sub> sec 18 - replaced  
gas pipe with brass lapped iron  
pipe - tied out new BTS. Then  
chained 2253' ~~South~~ 04 W  
from this corner. Searched for  
the NE sec 19 - found gas  
pipe bent but still standing  
up. Tied out and set Brass  
Lap - new BTS and sign post.

8/19/81  
JA - JO

I stayed in all day to line  
up projects for next year; also  
index all work ~~into~~ goals already  
completed. JO. walk with Gary  
on corner seach in T150 R26 sec 4

had gate - softy - open to discussion  
on any topic



8/20/81  
TD.

Twas on sick leave  
Jim went with Gary on  
corner search on T150 R26 Sec 4

8/24/81  
JA TO GE

T150 R26 Sec 4

Started at the CS 1/16 then chained  
SO1E at 1318 - off 45' to the  
East - distance good - search time  
1 hr. Then chained 1330' N 87W  
from S 1/4 - looked for corner - found  
no evidence of gas pipe. Then chained  
S 87E from 1330 from SW - searched  
for W 1/16 again - no sign of gas pipe.

## Safety Meeting

### Problems in the field

- A. Dress properly
- B. Do not walk side by side or in a group - space out 10' in single file - Break branches in trail
- C. Walking uphill and downhill
- D. Approach bog and swamp with caution
- E. Watch for willow snags and dead tops
- F. punge sticks
- G. Crossing wind rows
- H. walking into traffic

Salty Linn.

On the morning of

May 7 1981, a forest service vehicle was traveling to their worksite when a deer running full speed, collided into the door of driver side. The damage was extensive to the door and the back window of pickup shattered. Also minor damage to cab, mirror and side of rear panel. Although unavoidable, this accident and other near misses point to the increase of deer along roads and the problem of avoiding such obstructions. Awareness and caution when driving may eliminate future accidents.

Under most conditions,