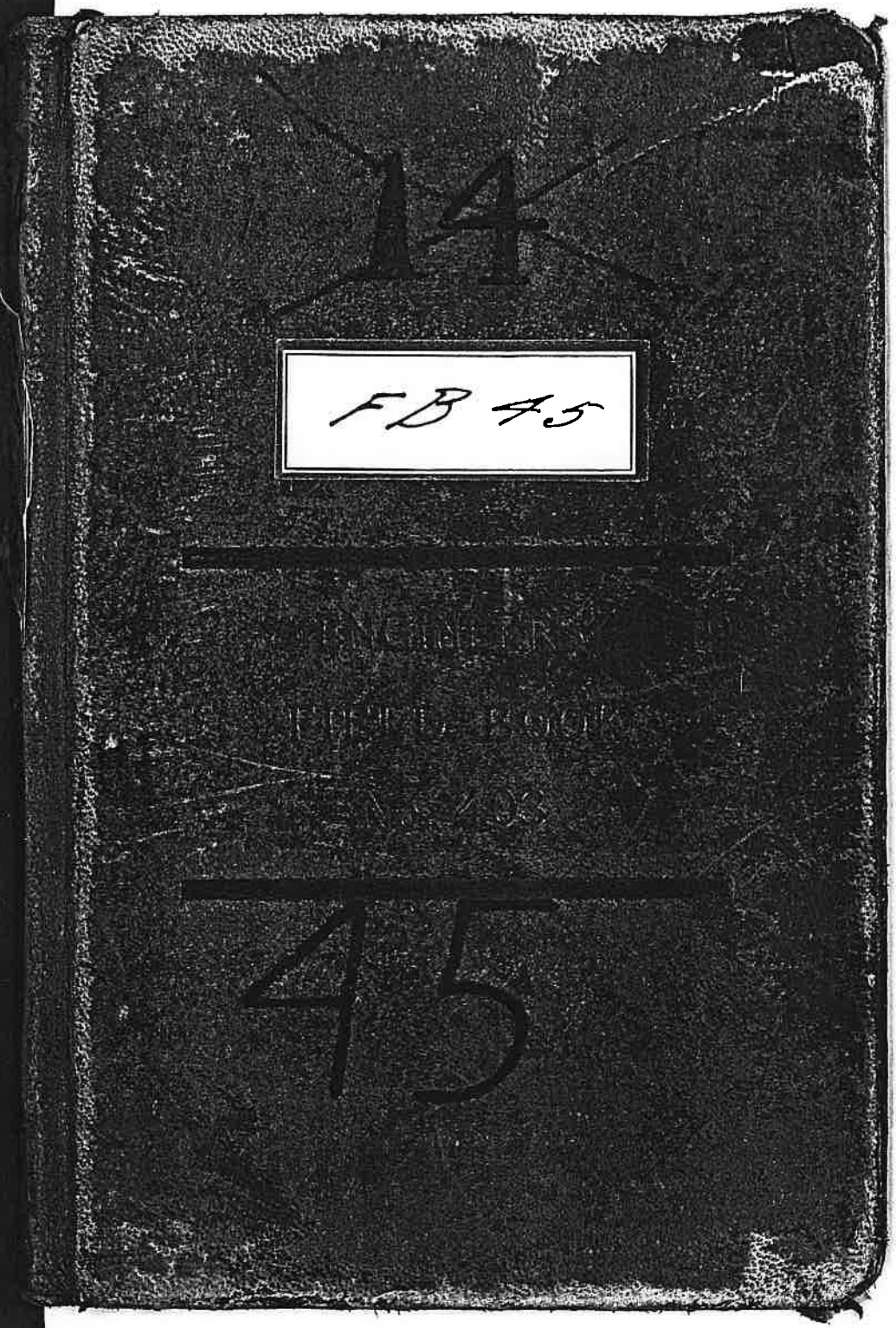
Field Book #45


14
FB 45
45

EUGENE DIETZGEN CO.

DRAWING MATERIALS, MATHEMATICAL and SURVEYING INSTRUMENTS

Chicago New York San Francisco New Orleans Pittsburg Toronto

Distances from Center of Roadway for Cross-Sectioning
Roadway 16 feet wide. Side Slopes 1 on 1.
For Single Track Embankment.

H	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	H
0	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	0
1	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	1
2	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	2
3	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	3
4	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	4
5	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	5
6	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	6
7	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	7
8	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	8
9	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	9
10	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	10
11	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	11
12	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	12
13	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	13
14	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	14
15	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	15
16	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	16
17	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	17
18	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	18
19	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	19
20	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	20
21	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	21
22	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	22
23	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	23
24	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	24
25	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	25
26	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	26
27	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	27
28	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	28
29	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	29
30	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	30
31	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	31
32	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	32
33	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	33
34	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	34
35	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	35
36	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	36
37	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	37
38	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.8	46.9	38
39	47.0	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	39
40	48.0	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.8	48.9	40

Example—If point is 22.6 ft. above grade, how far should it be from center line to be a slope stake point? Ans. from Table 30.6. For same slopes but other widths of roadbed, correct above figures by one-half difference in width of roadbed; thus in example above, for 20 ft. roadbed distance will be 30.6+(20—16)÷2 or 2 ft. [illegible] to 30.6 =32.6. For slopes of 1 on 1½ see inside of back cover.

Copyright, 1914, by Eugene Dietzgen Co.

Farm - Surveys
No 14.

Ended

1. ef. = 7½ Gals
Smith Ditch = 0.2' Grade
or nearly ½" to Rod.
Mean Velocity = ⅘ Sur. Vel.
Sun S.D = 16'

P. T. Devereaux
Eugene

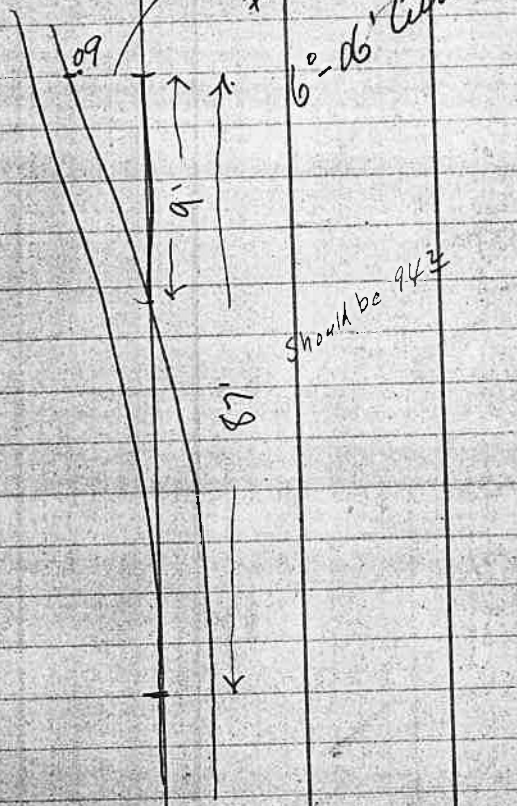
If Sun Bear is
greater than Needle
then Variation is Less
Ex. Needle - N. 70 W
Sun = N. 70-51 W
Inst. set. 21 ¼°
Should be 20°-20'

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5°-42'
#10 frog
6°-06' Curve
.09
9'
87'
Should be 94'

1. 1

Alignment Notes on Ore. Agric. Lime Co. Survey for Switch

02 2

May 9-18

Frear

Jones Ch.

Smart "

Sta.	Def.		Mag.
10+00 End Survey.			S19° W
8+66± E.C.	34°-00'		
8+50	31-34 ✓		
8+25	27-49 ✓		
8+00	24-04 ✓		
7+75	20-19 ✓		
7+50	16-34 ✓	Δ 68°-00' Rt.	
7+25	12-49 ✓	T 128±	
7+00	9-04 ✓	Ext. 39±	
6+75	5-19 ✓	30° C. Rt.	
6+50	1°-34' ✓	Len. 226±	
6+395			
			S48¾°E
4+77 E.C.	7-45	Len 155°±	
4+50	6-24 ✓	T. 78°±	
4+00	3-54 ✓	Δ 15°-30'	
3+50	1°-24' ✓	10° C. L.	
3+22 B.C.			
			S32½°E
2+00 E.C.	4°-30' 9-00		
1+50	2-15 6-45	Len 200°±	
1+00 - P.O.C.	4°-30'	Δ 18°-00'	
0+50	2°-15'	9°-00' Curve	
0+00 = P.S.			

4+00 P.I.

Sta	Tramway +	Tramway −	Levls −	O.A.L. R	O.A.L. Elev.	Co.			
0+00	7 25	107 25			100 00	Top Tie	Gra.		
0+50				6 12	101 13	" "	101 2 Gra.		
1+00				6 7	100 55		102 95	− 2 4	F 2'-5" ✓
1+50				8 20	99 0		104 7	− 5 7	F 5'-8" ✓
2+00				6 95	100 3		106 45	− 6 15	F 6'-2" ✓
2+50				6 35	100 9		108 2	− 7 13	F 7'-4" ✓
3+00				2 6	104 65		109 95	− 5 3	F 5'-4" ✓
3+22 B.C.			2 64		104 61		110 72	− 6 11	F 6'-1" ✓
	13 52	118 13							
3+50				11 0	107 1		111 1	− 4 6	F 4'-7" ✓
4+00				8 5	109 6		113 45	− 3 85	F 3'-10" ✓
4+50				5 6	112 5		115 2	− 2 7	F 2'-8" ✓
4+77				4 3	113 8		116 14	− 2 34	F 2'-4" ✓
5+00				3 6	114 5		116 95	− 2 45	F 2'-6" ✓
			2 66		115 47				
	14 92	130 39							
5+50				12 2	118 2	118 1	+ 3 5 1/0	− 0 5	F 0'-6" ✓
6+00				8 3	122 -	120 45		+ 1 65	C 1'-8" ✓
6+39 5				4 6	125 8	121 85		+ 4 0	C 4'-0" ✓
6+50				4 1	126 3	122 5	×	+ 3 8	C 3'-10" ✓
6+75				2 2	128 2	123 48		+ 4 72	C 4'-9" ✓
7+00			0 56		129 83	124 77		+ 5 06	C 5'-1" ✓
	12 19	142 02							
7+25				13 0	129 0	126 05	+ 1 1/0	+ 3 9	C 3'-0" ✓
							75		
	47.88		5.86						

O.A.L. Co.

	+	⊼	−	R				
7+50		142 02		10 0	132 0	127 33	+ 4 67	C 4'-8" ✓
7+75				6 0	136 0	128 62	+ 7 38	C 7'-4" ✓
8+00				3 75	138 3	129 9	+ 8 4	C 8'-5" ✓
8+25				2 65	139 4	131 18	+ 8 22	C 8'-3" ✓
8+50				3 00	139 0	132 46	+ 6 54	C 6'-6" ✓
8+66 2				41	137 9	133 3	+ 4 46	C 4'-7" ✓
9+00				5 65	136 4	135 03	+ 1 37	C 1'-4" ✓
9+50				2 65	139 4	137 6	+ 1 8	C 1'-10" ✓
10+00				1 2	140 3	140 2	+ 0 1	C 0.1" ✓

May 9-18

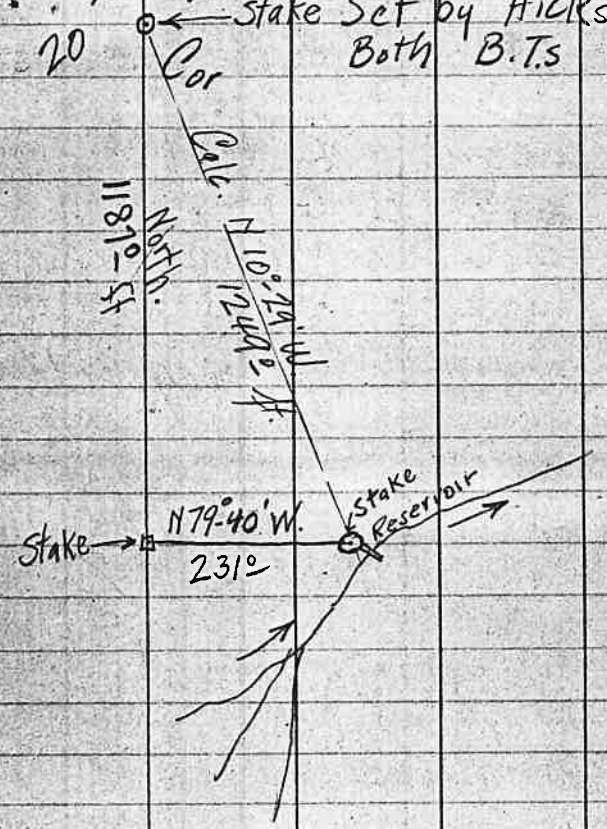
O.RE. AGRIC. LIME CO. Survey for Reservoir Site

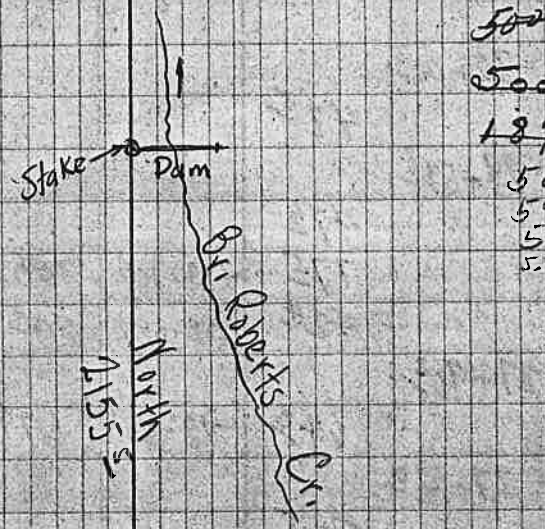
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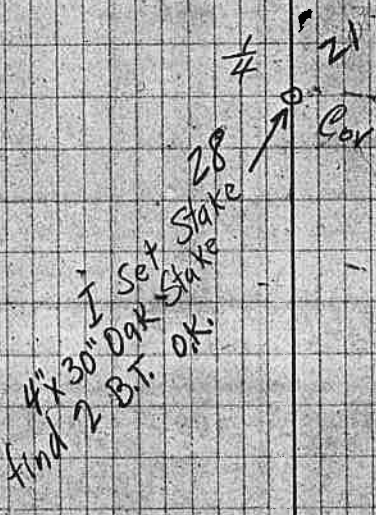
T. 28 - R 5

May 10-18

Frear ↑
Jones Ch.
Smart Ch.







~~500~~
500
187
500
522
500
550

Survey for Mr. W.F. Peck — Sec. 16 - T. 21-11

Fair - Cloudy (6)

Mag. 16-18

Frear

N.S. Peck R. Flag

Peck

Cowan

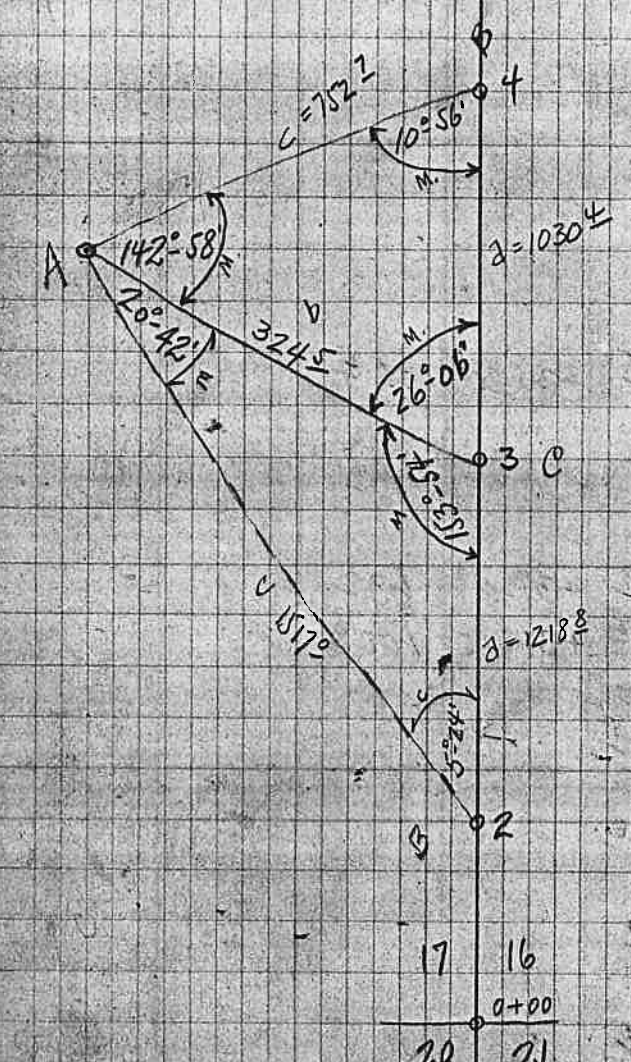
Et. Pl.

Cowan

Peake

Sta.	Dist	Slope	Sl. Dist.	Mag	C.C.
9 = 30+00 3					
	42 5				
8 = 29+57 8					
	47 6				
	77 5	-(39°-10')	100		
	42 4	-(32°-05')	50		
7 = 27+90 3					
	64 3	-(18°-20')	67 9		
6 = 27+26					
	24 5			North.	
5 = 27+01 5					
	207 6	-26°-00'	231		
	97 5	+12°-45'	100		
4 = 23+96 4					
	1030 4				
3 = 13+66					
	1218 8				
2 = 1+47 2					
	69 9	-21°-13'	75		N00°-04'E
1 = 0+77 3					
	77 3	-39°-23'	100	North	
	3000 3				

0+00 = Cor 16-17-20-21 - Set 5" Cedar Stake from 7" Fir Bears S 26½° E - 9½ Lks. my Near Tree
9 find the Hemlock N. 75° W. 30 Butt Vine Maples both gone
also Cedar N. 65° E. 100



Obs. at #3
B.S. #2

3.30 P.M.
Vert 41°-10'
Hor. 76°-38'
S. 76½° W.

Alt. = 40°-53'
Lat. = 43°-45'
Dec. = 19°-05'-11"
By Comp. Bear
Is S 76°-42' W

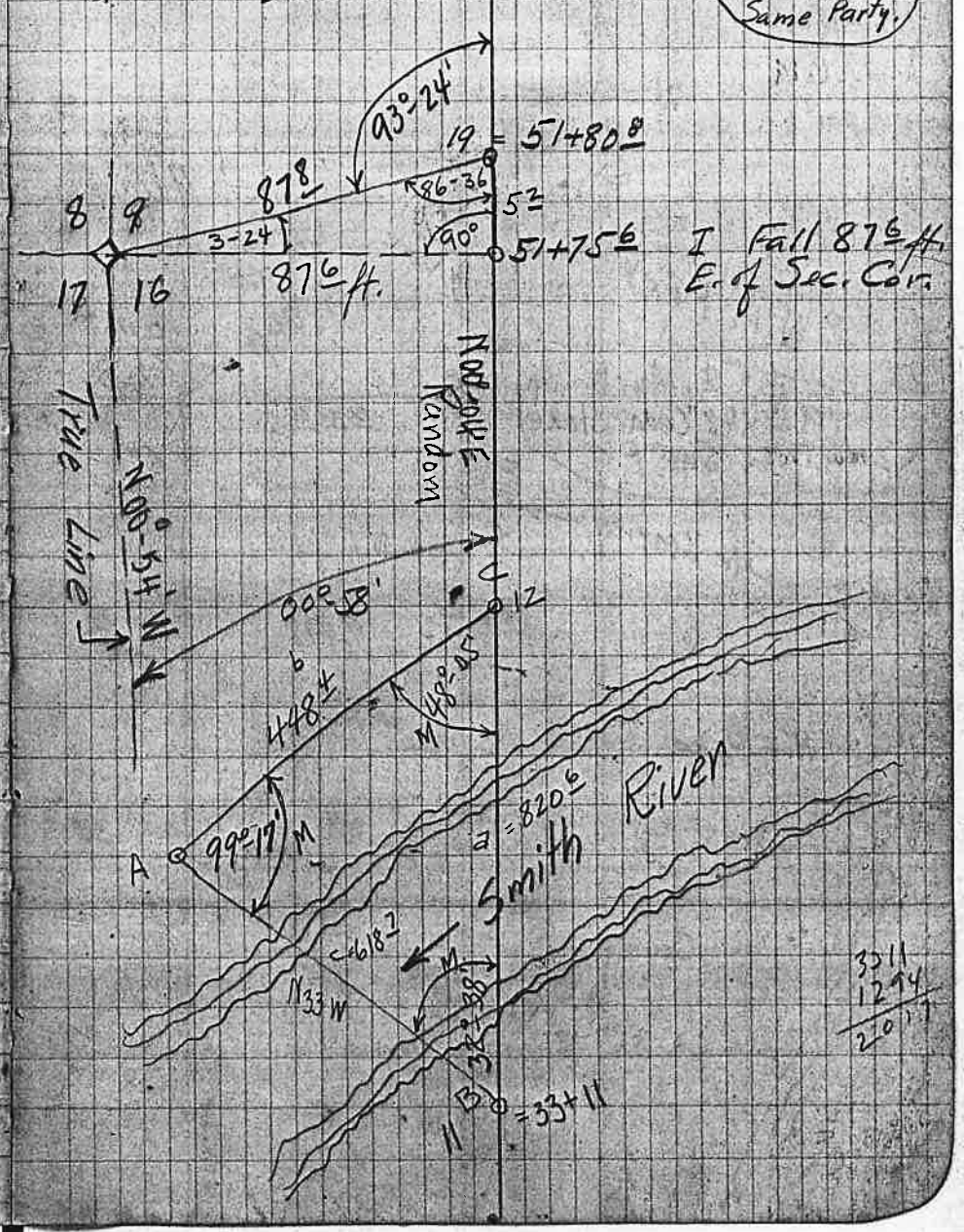
Sec. 16 - T. 21 - 11

Sta.	Dist.	Sl.	Sl. Dist.	Mag.	C.C.
to Sec. Cor.	87.8	+(36°-08')	108.8	93°-24' Lt.	
19 = 51+80.8					
	91.3				
18 = 50+89.5					
	103.0				N00°-04°E
17 = 49+86.5					
	39.0				
16 = 49+47.5					
	47.5	+(30°-30')	55.2		
15 = 49+00			Add-0.8		
	86.8	+(30°-44')	100.0		
14 = 48+13.2					
	48.9	+(39°-06')	63.0		
	82.2	+(34°-45')	100.0		
13 = 46+82.1					
	55.0.5				
12 = 41+31.6					
	82.0.6				
11 = 33+11.0					
	122.0				
10 = 31+89.0					
	5.0				
	96.4	-(15°-30')	100.0		
	87.3	-(23°-12')	95.0	North	N00°-04E
9 = 30+00.3					
	2180.5				

I. Identify Dec. Cor. 8-9-16-17 By 4 Fir Stump B.Ts. and Set 6"x48" Chittem Stake from a 10" Chittem Bears S.14°E. - 0.435 ch.
" a 10" Fir Bears S.41°W. - 0.25 ch.

May. 17-18
Frear
Same Party.

07.7



Sec. 16 & 17 in (T. 21-11)

8 9 / 17 16 — I Mark by 6"x48" and 2 new trees See P. 7

May. 18-18
Rainy-Cold
Same party

W E S

W.F. Peck

Abbott

Closure of .06 ft.

East by

I. Mark by a 5"x48" Cedar Stake & 2 new trees See P. 9

1/4 — 336 6/10 — 336 6/10 — 336 6/10

6"x36" Fir Stake

Sun Bearing N 00°-54' W

W.F. Peck

9.998

W.F. Peck

West by Sun

1/16 — 336 6/10 — 336 6/10

4"x40" Fir Stake on Levee

4"x40" Fir Stake

East by

W.F. Peck

Cowan

4"x8ft. Fir Stake in Slough

River

5 miles

17 16 / 20 21 — I Mark by 5"x See P. 6

Chittem Stake

08 8

673 2/10

May-19-8
Same party
Cold-Rainy

73°
75-(26-42) = 67°
100°
52 2/10 (+32°) = 44 5/10
74 (+18°-15') = 70 3/10
90 2/10
445
22 8 2
67 3 2

Sun Bear.

20°-54'

336 6/10

89°-06'

6"x36" Fir Stake

N 00°-54' W

W. Stratton

Abbott

673 2/10

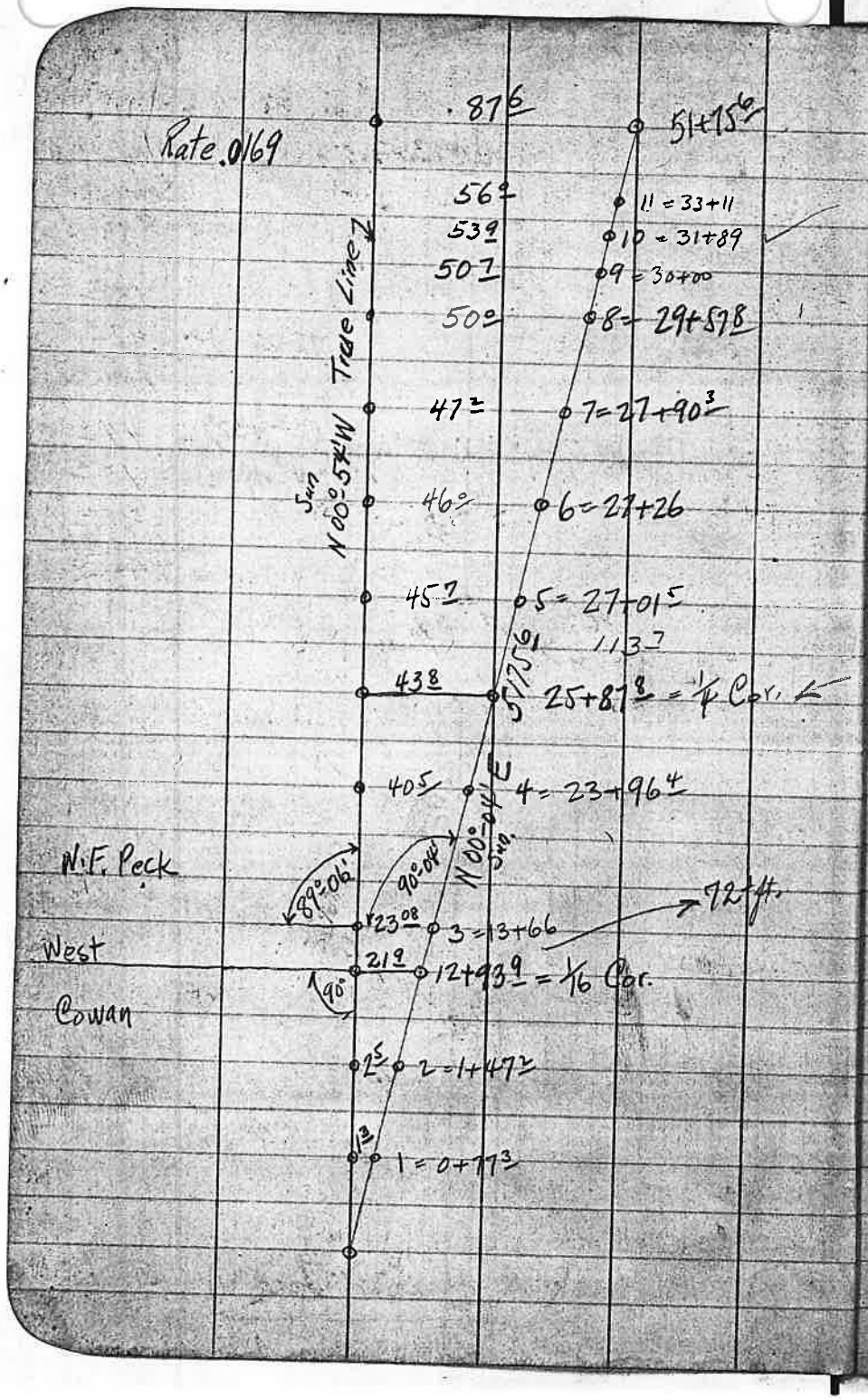
Closure of 0.5 ft.

336 6/10

Sun Bear.

4"x40" Fir Stake

48" Cedar Stake & 1 new Tree



09.9

J.B. Abbott

Expense Acct. to Reedsport

Fare to Reedpt.	$ 6.48
1 Meal Eugene	.40
1 " Reedsport	.50
1 " & B. Gardiner	1.50
	$ 8.88
Field Note	3.50
5 days Field	25.00
1/2 " Young Book	2.50
Recording	1.00
Total =	$ 40.88

2 1/4 M. ÷ 40.88 = $ 18.17 per mile Cost

Det. 5"x48" Cedar Stake.
45. Cor. from a 14" Fir Bears N 48 1/2° W - 76 ft.
" a 12" " " S 31 1/2° E 4 ft.

W.F. Peck	$ 15.73 Pd.	7/8 M
Peter Cowan	$ 10.22	9/16 M.
J.B. Abbot	$ 12.48	11/16 M.
W. Stratton	$ 2.45	1/8 M.
	$ 40.88 Total	

Survey for R.D. Minter & H.E Kennedy & A.D. Edgerton

in Sec. 5 - T. 20-10

10 E

May. 21-18

Frear

J.H. Paxson H.Ch.

C.H. Brown R.Ch.

R.D. Minter Ax

A.D. Edgerton "

Sta.	Ch.	Dist.	Mag

(SEE ALSO REN. VOL. 1 PG. 16) (OLD REN. COR. BOOK) 3/28/18

1/4 1/4 1/4 +1.10 = 48.60 Set post make diligent search no pipe

1/4 1/4 1/4 4 Set Stake for 1/4 M. near Stream find No B.T. s after diligent search

1/4 1/4 1/4 3

1/4 1/4 1/4 2

2.50 1/4

2.50 - 1/4 1

5+00 - 1/2

South

0+00 = Cor 4-5-32-33

11" fir S. 46 1/4° W. - 59 1/2 Lk. S.5 B.T. X

18" " N. 34 1/2° E - 32 Lk. S. 33 B.T. X

4" Maple N 88 3/4° E. - 15 Lks. - down

a. 12" alder N. 17° W. - 12 - Probably old B.T.

fir 18" N. 85° W. - 15 Plainly Marked

" 12" N. 78° W - 47 " "

T. 20-10 – Sec. 5

Sta.	Bear.	Dist.	
12	S 35 3/4° W	8.00	to Sec Line bet.
11	S 78 3/4° W.	6.45	
10	S 52° W,	22.35	
9	S 9 3/4° E.	13.25	
8	S 12 1/2° E	16.62	
7	S 13 1/2° E	1.91	
6	S 16 3/4° W.	1.98	to Gate Add 30 ft.
5	S 34° W.	5.05	
4	S 57 1/2° W.	10.42	
3	S 45 1/2° W	1.42	
2			
1	S 49 3/4° W	6.98	
X			
1	S 1 1/4° E.	4.50 ch	
0+00 = Sec. Line		104.93	Bet 5 & 8 according to Ricker

Time & Exp. 11 11

May. 20 – 1 Day Minter & Edgerton
" 21 – 1 " " "
" 22 – 1/2 " " " Coming down
" 23 1/2 " " " " "
" 24 1/2 " " " " "

3 1/2 " Total 17.50

Getting Field Notes 3/4 Expense = $ 3.00 / 9.63

Total $ 30.13

Sec's 8 & 18 according to Several people

Total Southing = 11.53 ch
" W. " = 44.99 "

Expenses

Boat to N. Fork	2.50
" " Gardiner	.50
1 M. Reedsport	.35
1 M. McHargues	.25
2 M. & Bed Gardiner	2.20
Jitney to East Gardiner	.25
Fare to Rbg.	6.43
1 M. Eugene	.35
Total	$ 12.83

3/4 to Minter Edgerton = 9.63
to School = 3.20

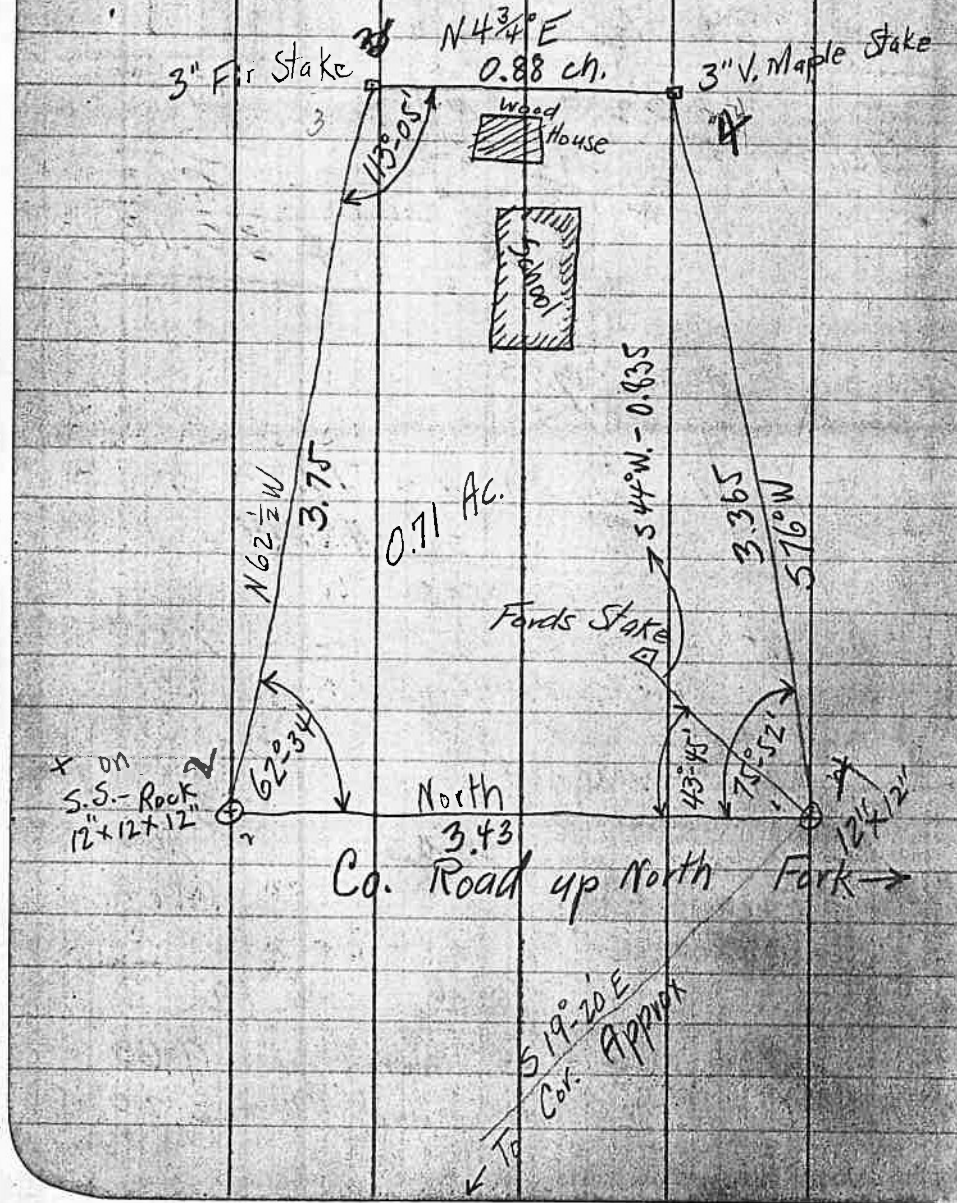
Survey of North Fork of School House Property on North Fork of Smith River

Smith River Dist. 41

Sec. 31 - T. 20 - R. 10.

12/12

May 22-18
Frear
W. A. McHargue Ch.
W. R. Dailey Ch.



J. W. Fords Stake is
N. 47.25 ch
W. 17.27 " from S.E. Cor
Sec. 31 - (T. 20 - R. 10)

+12" S.S. with T from which 3" Curly Maple Bears S 62° W. 37½ Lks

May 22-18
Frear 1d
23- " ½d. Notes
24 " ½d to Rbg
Total 2d. = $10 ≈
¼ Expense 3.20
Total = $ 13.20
Record $ 1.00 =
$ 14.20

1 - S 75-52 W. - 3.365 ch.
2 - S. 4° 21' W. - 0.88 ch.
3 - S. 62° 34' E. 3.75
4 - North 3.43

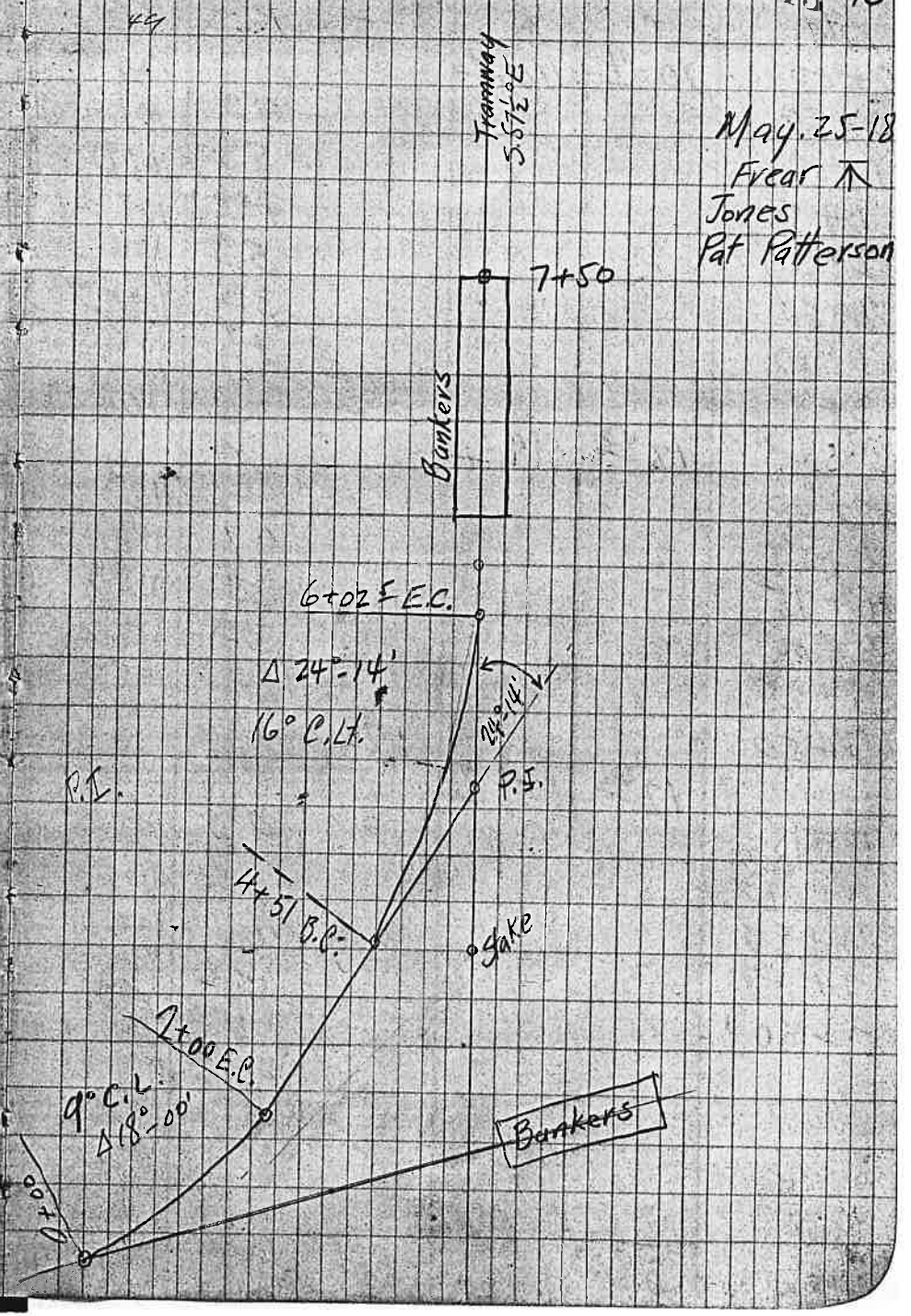
N. - 47.25
W. - 17.27
N. 44° E. 0.835 ch.
S. 19° 14' E. 50.68 ch. Closing Course to Sec. Cor. using Fords tie Line

Ore. Agric. Lime Co. Alignment

Notes for Switch.

13 13

Sta.			Mag.
7+50 R.R. Spike End Survey			
			S57½°E
6+02.5 E.C.	12°-07'		
5+75	9°-55'	Tan. 77'	
5+50	7-55	Len. 151.5	
5+25	5°-55'	Δ 24°-14'	
5+00	3-55	16° C.L.	
4+75	1°-55'	R. 359.21	
4+51 B.C.			
			S33°E
2+00 E.C.	9°-00'	Len. 200'	
1+50	6-45	Δ 18°-00'	
1+00	4-30	9° C.L.	
0+50	2-15		
0+00 - P.S. on Main Line			



Switch Sta	+	Levels ↑	—	R	Ele	On Stake R	On Stake Ele	Top Tie Grd		On Tie	
0+00	10 14	110 14			100 00			100 00	+0 0	On Tie	
0+50				9 0	101 14			101 14	+0 0	"	"
1+00				Sta 8 2	101 94	+12 8 0	102 14	102 14	+0 0	"	"
1+50				7 62	102 5	7 62	102 52	104 14	−1 62	F 1 − 7½	✓
2+00				5 4	104 7	8 70	101 44	106 14	−4 7	F 4 − 8½	✓
2+50				3 2	106 9	6 55	103 59	108 14	−4 55	F 4 − 6½	✓
3+00				1 1	108 4	5 08	105 06	110 14	−5 08	F 5 − 1	✓
3+50			3 25		110 9 106 89	3 25	106 89	112 14	−5 25	F 5 − 3"	✓
	12 43	119 32									
4+00				6 4	112 9	9 04	110 28	114 14	−3 86	F 3 − 10½	✓
4+51				4 7	114 6	7 45	111 87	116 14	−4 27	F 4 − 3	✓
4+75				3 9	115 4	7 35	111 97	117 14	−5 17	F 5 − 2	✓
5+00				3 0	116 3	5 78	113 54	118 14	−4 6	F 4 − 7	✓
5+25				1 3	118 0, 119 0	4 09	115 23	119 14	−3 91	F 3 − 11	✓
5+50			1 98		117 34	1 98	117 34	120 14	−2 8	F 2 − 10	✓
	12 46	129 80									
5+75				9 6	120 4	9 04	120 76	121 14	+0 38	C 0 − 4½	✓
6+02 5				7 8	122 0	8 07	121 73	121 73	+0 0	Grd	✓
6+50				6 4	123 4	4 70	125 10	123 14	+1 96	C 1 − 11½	✓
7+00				3 8	126 0	1 28	128 52	124 14	+4 38	C 4 − 4½	✓
7+50				0 70	129 4	0 70	129 10	125 14	+3 96	C 3 − 11½	✓
	35.03		5.23								

Bunker

Notes

Sta.	+	↑	−	R	Ele
	6 46	128 19			121.73
S.W. Cor.				5 63	122 46
N.W. "				7 15	121 04
N.E. "				3 20	124 99
S.E. "				4 49	123 70
B.M.	0 45	58 43			57 98
0+00				2 11	56 32
0−25				10 30	48 13
			12 50		45 93
	0 50	46 43			
0−50				8 1	38 33
0−64 = 7+50 top.				13 5	32 93
			12 19		34 33
	0 92	35 25			
7+50 Bottom				11 00	24 25 = 129 10
7+00			11 55		23 70 = 128 17

123.70 − 104.85 = 18.85

Supt. 123.70 − 104.85 = 18.85

18 8

36 15

O. A. Line Co.

May 27-18
Frear ↑
Jones
Smart

123.7 F. 1.24 1−8"
123.7 = F. 2.66 2−8 ✓
123.70 = C. 1.29 1−3½ ✓
123.70 = Grq

tramway
0+00
25
0−25
0−50
0−64 = 7+50 of Switch.

N.E. Cor. 15' 15' S.E. Cor.
39 ft. 39 ft.
Bunker
S.W. Cor. 15' 15' S.W. Cor
6+025 E.C.

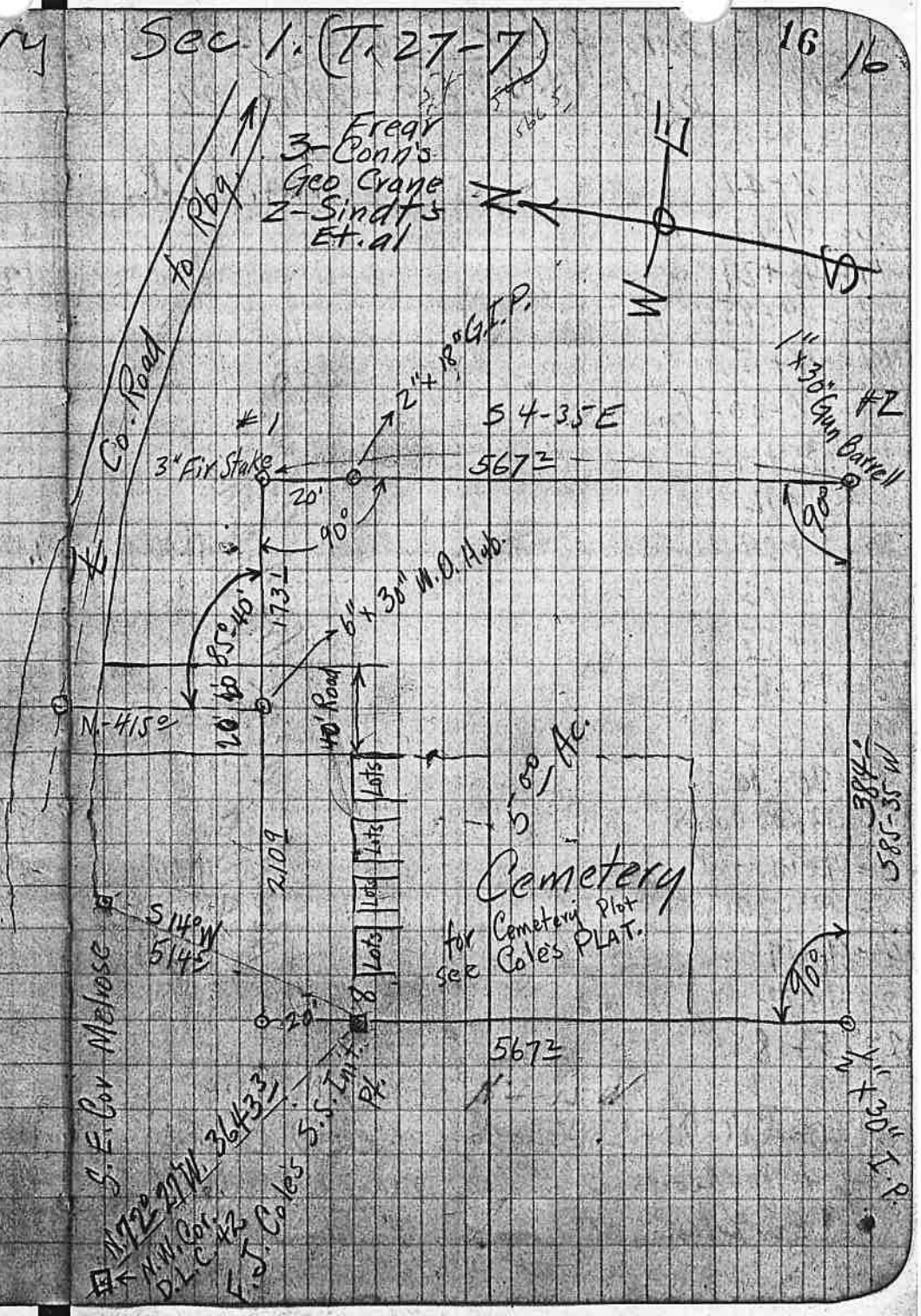
36.15 − 18.8 = 17.35

Survey of Melrose Cemetery

Sec 1. (T. 27-7)

16 16

Sta.	Dist.	Lt.	Rt.	Mag
Sunday June 2-18 - Inst. in ℄ Co. Road				
2.30 P.M. — B.S. to ℄ Private Rd.				
Hor. 63°-09' Rt.				
Vert. 55°-25'				
Mag. S.62°-25'W.				
Lat. 43°-15'				
Alt. 55°-24½'				
Decl. 22°-10½'				
5+67½	to	0+00		
			90°-00'	N4-20W
3+84 Cor #3				
	384			
			90°-00'	S85-35W
5+67½ Cor #2				
	567½			
			90°-00'	S4°-35'E
3+84 Cor #1				
2+10 P.O.T. ℄ 12' Rd.				
				N85°-40E
0+00 = N.W. Cor				
	514			N14°E
Beg at S.E. Cor. Melrose Townsite				



Surveyed for Cody - Jeff Wiley et Al. (T. 29-4) June 11-18 1917

(N. Bet. 25 & 26) Mag. on Random Transit Line

Sta.	Dist.		Mag. C.C.
22 = 54+15			
21 = 51+47			
20 = 49+09			
19 = 46+27			
18 = 44+85			
17 = 41+15			
16 = 40+00	Temp ¼ S.C.		
15 = 35+09			
14 = 31+72			
13 = 30+09			N.00°-11' W.
12 = 29+03			
11 = 27+57			
10 = 22+63			
9 = 21+82			
8 = 20+70			
7 = 19+00	Approx		
6 = 17+61			
5 = 13+20			
4 = 9+77			
3 = 7+72			
2 = 5+18			
1 = 2+02	2.02		North
0+00 = Cor.	25-26-35-36		

Needle Varied from 2°-30' on either Side of North.

Beg. descend on Top Ridge

Temp. ¼ Cor. Made diligent Search but no trace

To here June 10-18

Beg. Descend Top Ridge

June 10, 18

Frear ⅄
Jess. Smith ½ H.Ch.
Ralph " ½ R. "
John Stephens ½ Axe
Hugh Black Flag
B.W. Cody ½ Axe
Jeff Wiley ½ R. Flag

1 Frear ⅄
1 J. Smith Ch
1 R. " "
1 J. Stephens Ax
1 B.W. Cody Ax
1 J. Wiley Flag
1 S.H. Potter "

2.50 2.50 2.50

N. Bet. 25-26 - (T. 29-4)

Sta.	Dist.	Lt.	Rt.	Mag.	C.C.
4 = Germonds	Cor.	Secs 23-24-25-26			
	1.43	78°-18'		N17°W	N15°-29'W
3 = 14+58					
	(8.86)		3°-00'	N62°E	N62°-41'E.
2 = 5+72	(5.72)				
1 = 1+38					
			60°-00'	N58½E	N59°-41'E
33 = 80+00					
32 = 78+54					
31 = 77+24					
30 = 75+94					
29 = 74+29					
28 = 73+22					
27 = 71+88				N2¼W	N00°-11'W
26 = 61+85					
25 = 59+98					
24 = 57+48					
23 = 55+77					
22 = 54+15					

77-78
62-64
15 29

12.50
2.50

A = .4385
B = -.5920
A+B = -.1535
N 81°-10' W By Merid.

Qt. Pt. #3 B.S. to 2
June 11-18-5.15 P.M.
36°-01' Rt.
N. 82½° W.
Vert. 25°-31'

2.50
2.50
2.50
2.50
2.50

To here June 11

Ran Random to Germonds Cor.
Set Temp. Cor. Bet. 23-24-25-26 Make diligent search No signs

Top Ridge

Alt. = 25°-13'
Lat. = 43°-02'
Dec. 23°-5½'
Calc. Bear. to Sun =
N. 81°-10' W.
36-01
117-11
180-00
S 62-49 W.

2.50
2.50
2.50
2.50
2.50
2.50
2.50
2.50
2.50
60.00

S.E. Cor. 24

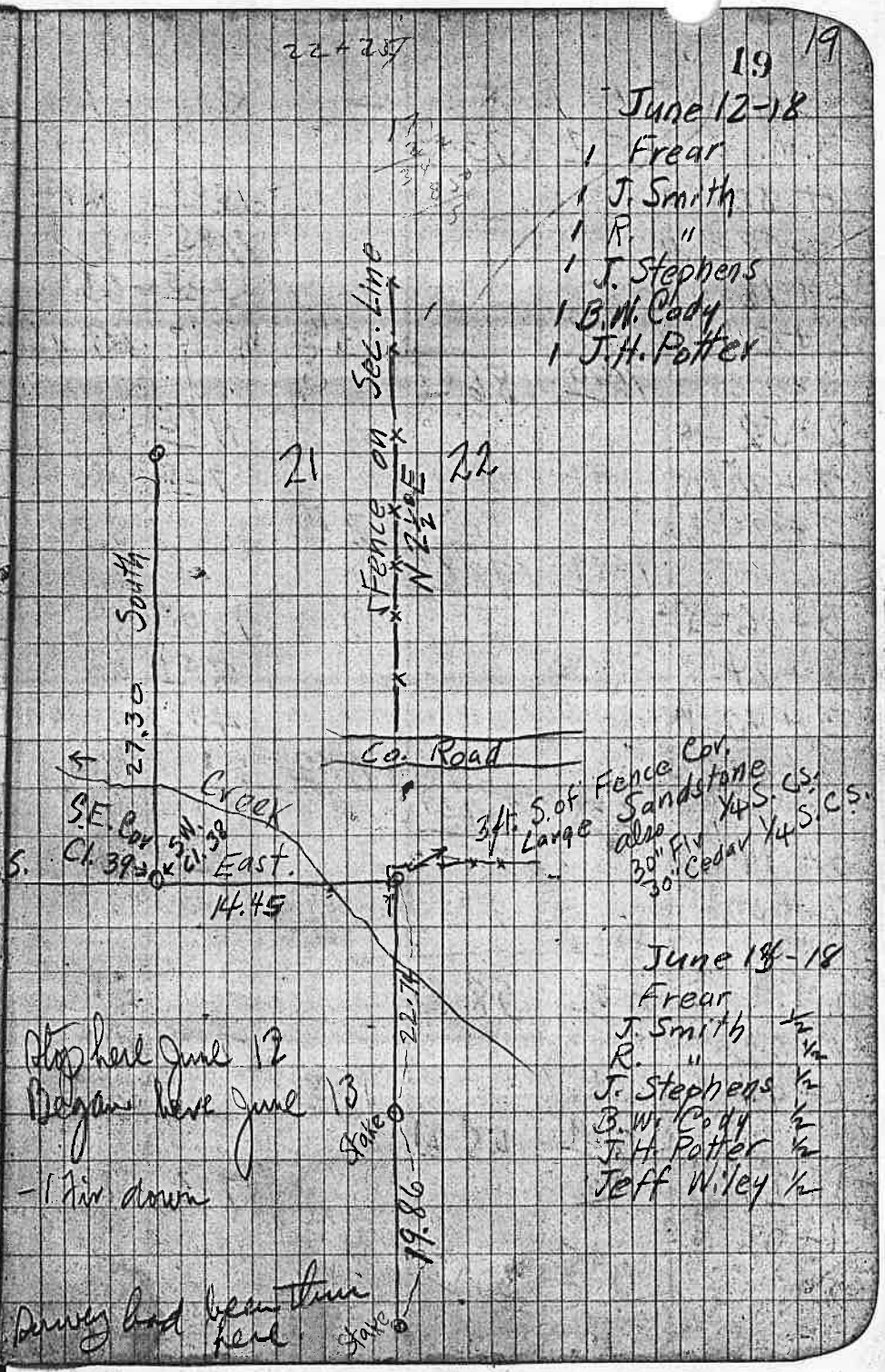
16.85

19 | 20
29 | 30

E. 372.86

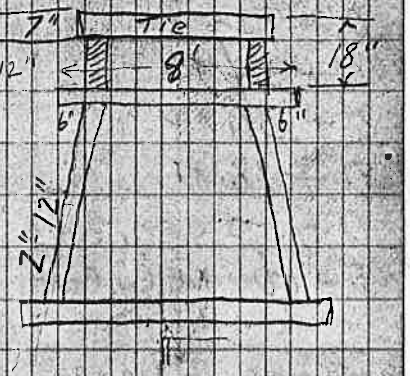
Sta.	Dist	Lt.	Rt.	Mag.	C.C.

June 12-18 - I go to N.W. Cor. B.L. Stephens Cl. 38 which is a Rock drove me by D. Dyer. I Ran S. 27.30 Lk to Idaho Weaver Cl. 39. P.E. Cor also the S.W. Cor of B.L. Stephens Cl. 38 - I identify this Cor. by testimony of D. Dyer and by the 30 trees called for in field notes namely 12" Fir for Cor Sprouts from which 30" Fir N. 30° W. 27 Lk 10" " N. 65° E. 58 " these trees tallied O.K. but all marks gone. I set 4" Stake in Cor Stump and Ran thence East 14.45 and fell 3 Ft. S. of Fence Cor. which I identify as a C.S. for by B.T.s. for ¼ Cor bet. Sec. 21 & 22 ~~and also the ¼ S. Cor~~ ~~I made diligent search for B.T.s found 2 marked C.S.~~ I then Ran South and at 22.74 ch I fall 17 Lk S. of Large Madrone Stake marked 1/16 C.D. also 2 madrone B.T. near both marked 1/16 S.C.S. - B.T. - Set by Isaac Hamilton at 42.60 Set Stake and fall 16 Lk. East of Large Madrone Stake marked C.S. 21-22-27-28 B.T.s. were Madrone Stumps and 3 Large Fir blazed marked Made diligent search for 4 B.C.B.T. but No Cor of any Kind in Country around which is Conclusive Evidence that No Govt



Sta.	+	⊼	−	R	Elev.
B.M.	15 17	(73 15)			57 98
1+80 - 10				15 54	57 61
1+98 - 11				11 85	61 30
2+16 - 12				7 55	65 60
2+34 - 13 ⊙			3 16	3 16	69 99
	16 10	(86 09)			
2+52 - 14				11 62	74 47
2+70 - 15				7 25	78 84
2+88 - 16 ⊙			2 86		83 23
	15 57	(98 80)			
3+06 - 17				12 08	86 72
3+24 - 18				8 59	90 21
3+42 - 19				4 99	93 81
3+60 - 20 ⊙			0 80		98 00
	6 37	(104 37)			
3+74 } 21				2 11	102 26
2+00 }					
	53.21		6.82		
B.M.	0 89	58 81			57 98
1+62 - 9				7 06	51 81
1+44 - 8 ⊙			13 89		44 98
	0 29	45 21			
1+26 - 7				7 02	38 25
1+08 - 6 ⊙			14 75		30 52
	0 45	30 91			
	1.63		28.64		

18 ft. C on Beam
2+00 = 3+74



	+	↑	−	R	
0+90		30 97		8 58	22 39
0+72 #4				11 79	19 18
0+54 #3				12 24	18 73
0+36 #2				12 75	18 22
0+18 #1				12 84	18 13
0+00 S.E Cor. Conc.				12 74	18 23
0+00 N.E. Cor. Conc.				12 75	

Make it Come to Batter

20'-6"
20'-6"
20'-6"
20'-6"

	Ele.	Gra.	Height.	Length	top. ties
0+00 - 0	18 23	58.20	39 97		
0+18 - 1	18 13	59 50	41 37		61 0
0+36 - 2	18 22	61 10	42 88		62 6
0+54 - 3	18 73	62 75	44.02		64.25
0+72 - 4	19 18	64 40	45 22		65.90
0+90 - 5	22 39	66 05	43 66		67 55
1+08 - 6	30 52	67 70	37 18		69 20
1+26 - 7	38 25	69 56	31 31		71 01
1+44 - 8	44 98	71 32	26 34		72 82
1+62 - 9	51 81	73 13	21 32		74 63
1+80 - 10	57 61	74 94	17 33		76 44
1+98 - 11	61 30	76 75	15 45		78 25
2+16 - 12	65 60	78 56	12 96		80 06
2+34 - 13	69 99	80 37	10 38		81 87
2+52 - 14	74 47	82 18	7 71		83 68
2+70 - 15	78 84	83 99	5 15		85 49
2+88 - 16	83 23	85 80	2 57		87 30

	Ele.	Gra.	Height.	Length	+.
3+06 - 17	86 72	89 6	F 2 - 10½"		89 6
3+24 - 18	90 21	92 3	F 2' - 1"		92 3
3+42 - 19	93 81	95 4	F 1' - 7"		95 4
3+60 - 20	98 00	99 2	F 1' - 2⅜"		99 2
3+74 - 21	102 26	102 44	F 0' - 2"		
= 2+00					

Hatfield Irrigation Survey
Sec. 22 & 23
T. 28-5

12 = 24" alder.	S 38° W.	1.53 ch.	Pt. of Diversion C.S.B.T.
11	S 20° 30' E	1.71	
10	S 39° 20 W	1.25	
9	S 54½° W.	2.97	
8	N 59° 20 W	4.79	
7	S 55¼° W	5.18	
6	N 77° W.	9.35	
5	N. 14° W.	2.09	
4	N 59° W.	0.77	
3	N. 71¼° W.	1.75	
2	N. 38¾° W.	1.62	
1			
1-	N 46½° E	2.64	
0 = Diversion	Pt. at	Coopers	Spring.

July. 3-18
Frear
2 Hatfields

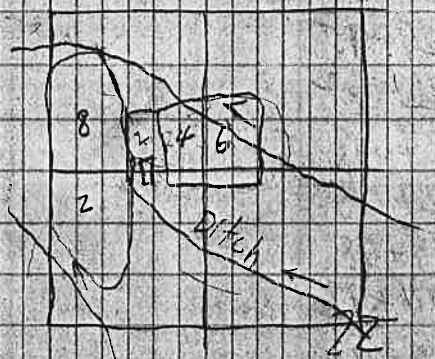
22

18" → 1"
180"
1/8 □ ft. Vel. 2 ft.
2 × 1/8 = 1/4 c.f.s.
Day 3 → 3/8 c.f.s.

12" / 2"
12" / 12 / 10 ft
To c.f.s.

1 W. 1/4 Sec. 22

1 cf = 7.48 Gal Sec
¾ cf = 1.87 " "
⅓ cf = 2.46 " "
⅛ cf = 1 " "



2 ft. Vel. per Sec. Area 1/6 sq. ft.
⅓ c.f.s.

(5') 121/1000

8640 G. Per Family
3
2 5,280 Families
T R 31 4½

160 G. Per Min
60
10,800 G Per Hr
8640

Survey for Cody - Jeff Wiley

Sta. Ch.	Dist	Lt.	Mag.	C.C.
16 = 40 + 17				
15 = 38 + 17		(175)		
14 = 35 + 49				
13 = 32 + 64				
12 = 28 + 82				
11 = 27 + 95			N10¼E	N9°-39'E
10 = 26 + 22				
9 = 24 + 78				
8 = 22 + 15				
7 = 19 + 78				
6 = 14 + 77				
5 = 10 + 11				
4 = 7 + 19				N9°-39'E
3 = 6 + 02			N8°E	
2 = 5 + 14 Top Ridge				
1 = 2 + 97				
			N8¾°E	
At Cor. 23-24-25-26 I Run on Random				N9°-39'E
17+03 - I. Establish true Cor. of Sec. 23-24-25-26			S24½°W	
10+00 Top Ridge			S24°W	
			S25¼°W	S25°-19'W

0+00 = Germonds Sec. Cor. 23-24-25-26
B.S. to my Sta. 14+58 Bearing S. 15°-29'E. & turn 40°-48' to Rt. or S. 25°-19'W.

North 9°-39'E on Random
Det. 23 & 24 (T. 29-4)

23 23

July 11-18

Frear
½ Jess Smith Ch.
½ Ralph " "
½ Cody Ax
½ E.L. Flint Ax
½ Eber " Flag.
½ C.M. Potter Ax

N9°-39'E

At 37+13 I Set ¼ S. Cor.
1½" x 40" G.I.P.
18" Fir - S.52½°E. - 20 Lks.
30" " N72¼°W - 12 Lks

37+13
.188
.194

Beg to descend steep Hill.

N25-19E
N9-39E
15°-40' Lt.

Turn 15°-40' Lt
Set 5" Cedar Post & 1½" x 40" I. Pipe

8" Cedar	- N.46°-40'E	— 32½ Lks.
24" "	- S 47°E.	— 24 Lks.
24" "	— S. 63°W.	— 9 Lks.
40" Fir.	- N36¼°W.	— 25 Lks.

Germonds old Random Line is 1.00 ch. South of New Corner

Sta. Ch.

.00458 lk. per ch.

26 = 74+27 — I fall .34 Lks to Rt. of Cor. Sec 13-14-23-24 & Set 2"x36" I. Pipe

149 +(21°-45') 1.60

25 = 72+78 (.335)

a. B.O. 36" N. 25° E 5 Lks.
a. B.O. 18" N. 76° W. 54"
a. W.O. 30" S. 54½° W. 57 Lks
other tree gone

190 +(23°-00) 2.07

24 = 70+88 (.326)

1"x36" G.I.P. .34 90° 74+27

2.14 +(30°-35') 2.49

23 = 68+74 (.316)

1½"x36" G.I.P.

3.74 +(32°-45') 4.45

65+00 Hit Slope.

22 = 49+72 (.228) N9°W N9°-39'E

21 = 47+30 (.218)

20 = 45+25 (.208)

19 = 43+70 (.201) N9¼E

18 = 41+70 .19

17 = 40+68 .186

16 = 40+17 .185

Run N73°-34'E
Turn 63°-55' Rt.
9-39
72-94

July 12-18
Same Party
worked 1 day

True Line N9°-23'E — 74+27

43+70

58°-47' N68°W.

2.37 ch.

N68°-26'E.

N9°-39'E

Germonds ¼ Cor. bet. 23 & 24

5.50
2.22½°
10

Random Line thru ℄ Sec. 24

Sta. Ch		Lt.	Rt.	Mag	C.C.
22 = 57+51					
21 = 56+09					
20 = 54+91					
19 = 51+83	.187				
18 = 50+13	.180 ✓				
17 = 47+60	.171 ✓				
16 = 47+00	.169 ✓				
15 = 45+25	.163 ✓				
14 = 44+55	.16 ✓				
13 = 42+55	.153 ✓				
12 = 41+89	.151 ✓				
11 = 40+50	.146 ✓				
10 = 39+90	.144 ✓				
9 = 35+61	.128 ✓				
8 = 33+60	.12 ✓				
7 = 32+50	.117 ✓			N73-50E	N13°34E
6 = 31+57	.114 ✓				
5 = 29+26	.105 ✓				
4 = 27+36	.098 ✓				
3 = 8+35	.03				
2 = 4+17	.015				
1 = 2+68	.01			N73°E	
		Turn 63°-55 Rt.			N13°34'E
0+00 = ¼ S. Cor. Bet. 23 & 24					
					N9-39E

Eastward (.0036)

25 25

I. Cross Craig Cl. W. Line
on Bank Cr.
Top Ridge

1.12
1.25
2.50

47.50 10 47.50 10 37.50 10 27.50 4

July 13-18
Freak 1
J. Smith 1
R. " 1
Cody 1
E.L. Flint 1
Eber " 1
C.M. Rotter 1

Fence 0.4 1.50 Fence

1¼" x 40" G.I.P. 18" Fir S.52½°E. 20 lk
30" " N.72½°W. 12.

Sta. Ch.

.0036 Lk. Per Ch.

At 71+52 I Fall 26 Lks to Rt. or Southerly from Cor.

30 = 71+37
29 = 69+63
28 = 68+75
27 = 67+38
26 = 64+37
25 = 62+83
24 = 62+11
23 = 59+48
22 = 57+51

N75°E N73-34E

Foot up B. line of T. 29-4
B. L. Stephens Cl. 38

Flint
Holloway
Tuttle
Watkington

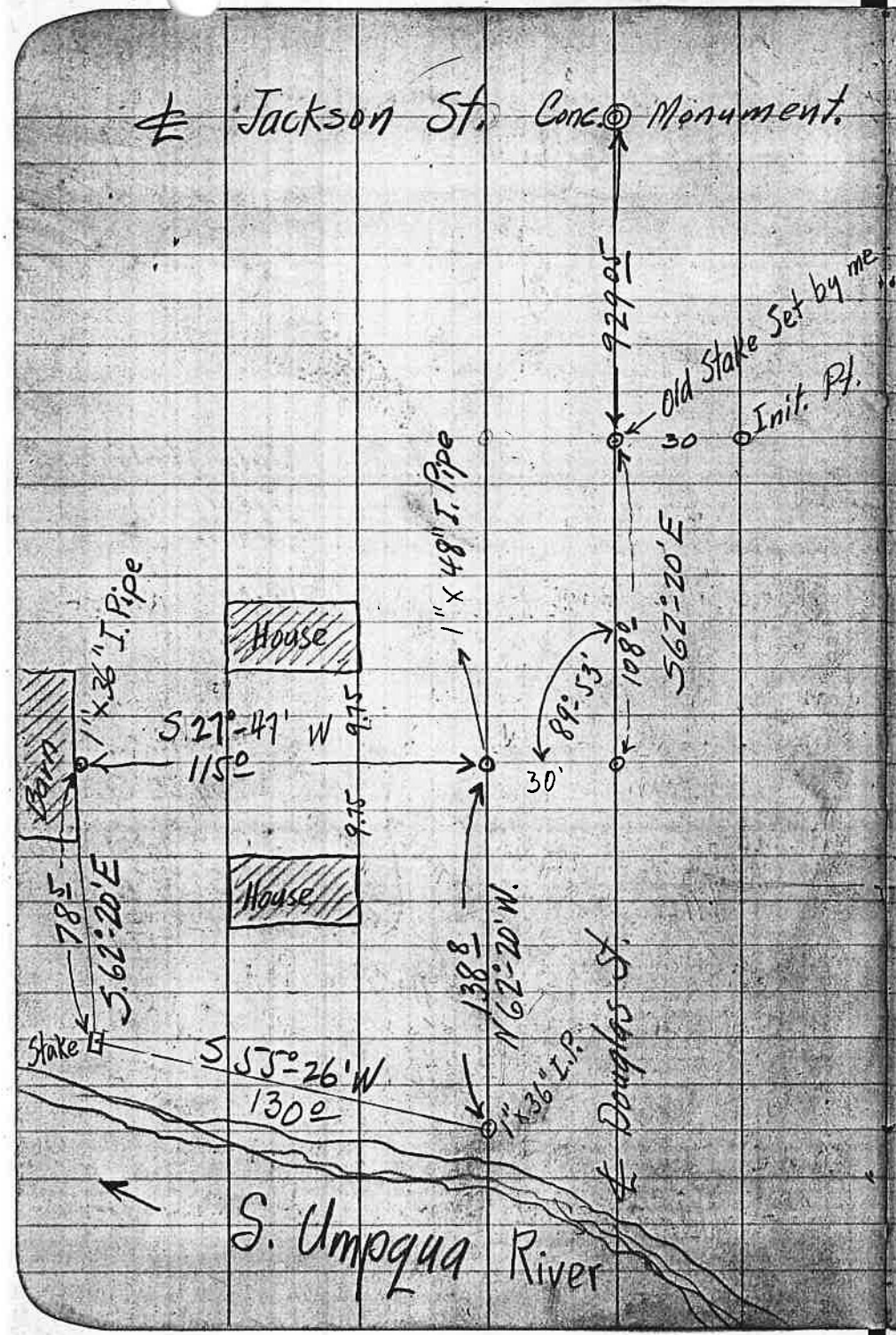
.26
30°
60°
30
60°
.15

July 14-18
Frear 1
J. Smith 1/2
R. " 1/2
B. Cody 1/2

Int. of Craig Cl. Line
Set 2" x 30" G.I.P.

Int. of Craig Cl. Line
11 Lks
S. Cor
.26
71+52
30
60°
71+37
CRAIG CL.
L. Line
True Line 15 1/2
N73°21'E 11.52ch.
00-13'
N73-34E

Set 2" by 30" G.I.P.
@ 40" W.P. S.20°W. 2.10
@ 18" W.O. S.15 3/4°E. .77
@ 20" Tie N.28 1/2°E. .19 1/2



Survey for Bob Lane & Simon Lane on W. Douglas St.

27 27

July 17-18
Frear
Hopkins ½

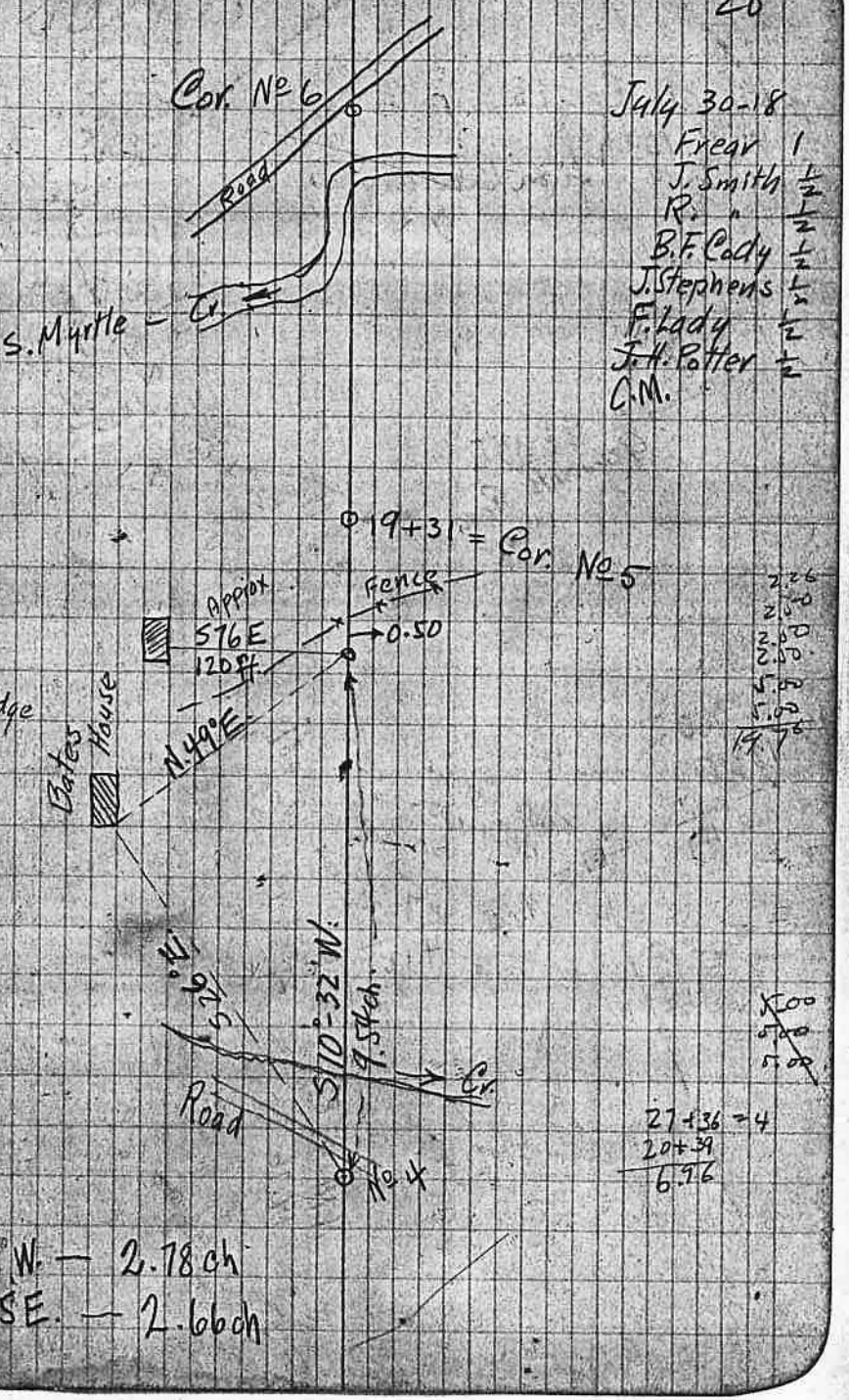
of previous Survey for Lane See B. 1 - P. 58

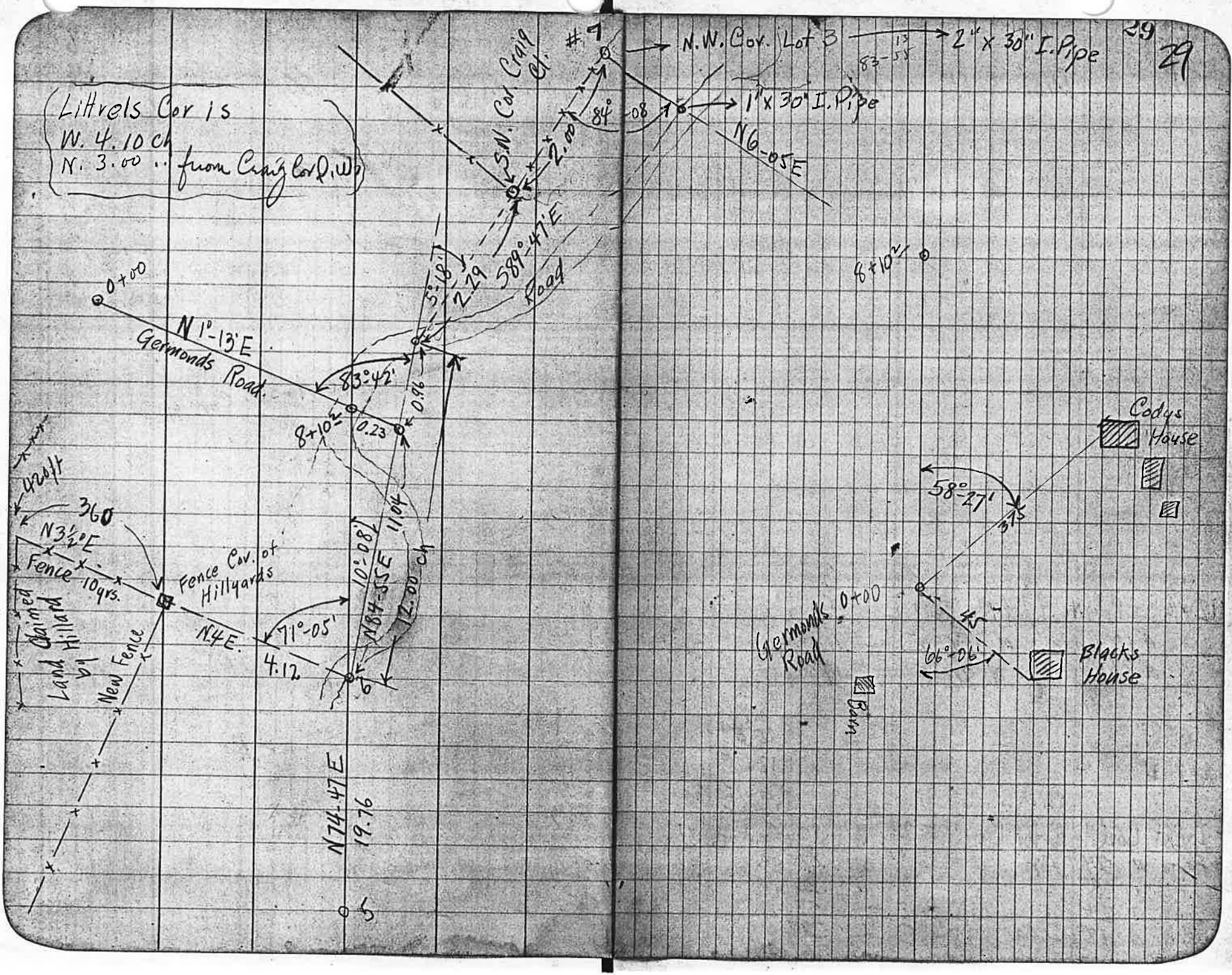
Beg. at a 1"x48" I. Pipe on the N. Side of W. Douglas St. Said Beg. Pt. Bears N. 62°-20' W. 1037.05 ft. and N. 27°-47' E. 30 ft. from the Concrete Mon. that marks the Intersection of Douglas & Jackson Sts

Thence N. 27°-47' E. 115± ft. to a 1"x36" I. Pipe

" N. 62°-20' W. 78.5± ft. to the E. Bank of the S. Umpqua River — Thence S. 55°-26' W Upstream along the E. Bank of the S. Umpqua River a distance of 130± ft. to a 1"x36" I Pipe on the N. Side of Douglas St. Thence S. 62°-20' E. along the N. Side of Douglas St. 138.8 ft. to the place of Beginning and being situated in the City of Roseburg, Douglas Co., Oregon

Sta.	Dist.	Li.	Rt.	Mag.	C.C.
19+76 ch. I Det. (Cor. No 6) on S. Side of Co. Road					
1"x18" Iron Bolt. from which					
a 12" Forked Alder	Bears		S. 25½° W. — 0.33 on Cr. Bk		at H₂o. Edge
a 24"	"	"	N. 76°-10' W. — 0.43 ch.		
				N 74¾° E	
	19.76 ch.			N 74½° E	N 74°-47' E
Thence B.S. Reversed & turn —			64°-15' Rt.		
19+31 — I. Det. Cor. No. 5 — 1"x30" I. Pipe from					
(10" Fir	Bears		S. 28½° E. — .127 Ch.)		
8" "	"		N. 55½° E. — .17 ")		
	19.31 ch.			S 10° W	S. 10°-32' W
I. Det Cor. (No 4) a	1"x40" I. Pipe		a 40" R Fir	Bears	S. 36½° W. — 2.78 ch
			a 8" "	"	S. 47°-0 S E. — 2.66 ch




Littrels Cor is
W. 4.10 ch
N. 3.00 .. from Craig Cor. Pile
#7
N.W. Cor. Lot 3
2" x 30" I. Pipe
1" x 30" I. Pipe
N6-05 E
84°-08
2.80
S.N. Cor. Craig Cl.
5.18
2.29
589°-47'E
Road
0+00
N 1°-13'E
Germonds Road.
83°-42'
0.96
0.23
8+10±
8+10±
Codys House
58°-27'
Germonds 0+00
Road
Run
66°-06'
Blacks House
42.0ft
360
N3½°E
Fence
10 yrs.
Land Claimed by Hillard
New Fence
Fence Cor. of Hillyards
N4E.
71°-05'
4.12
10°-08'
N84-55E
11.04
12.00 ch
N74-47E
19.76

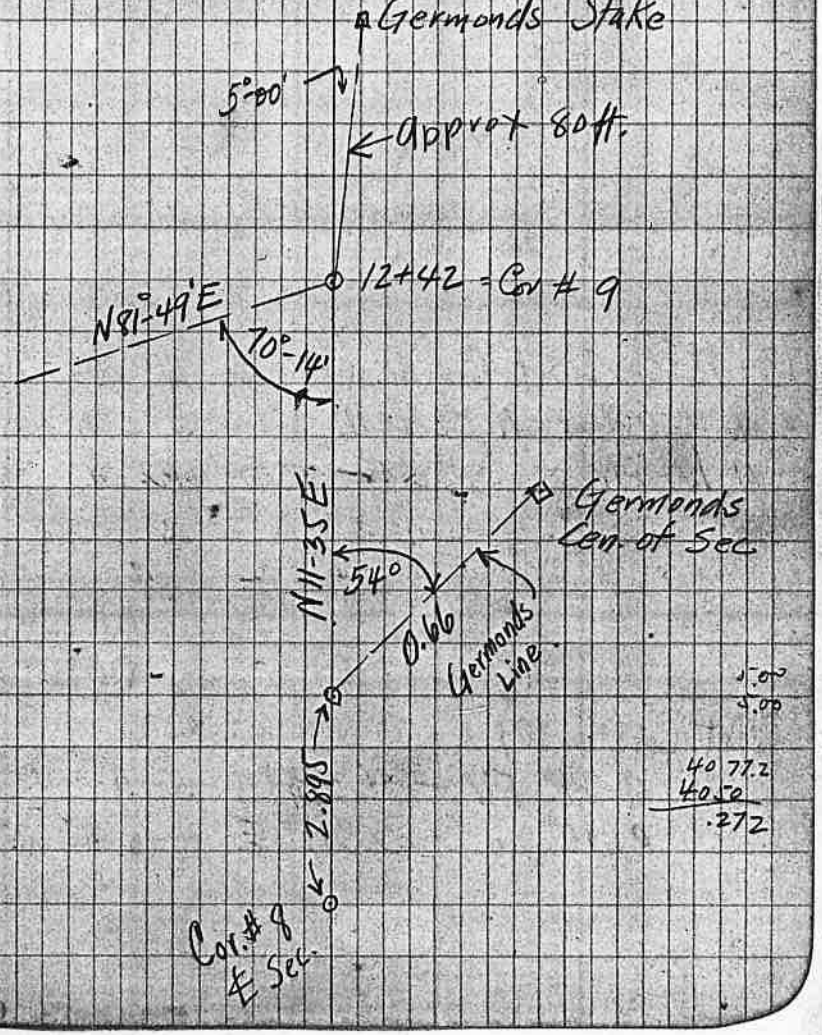
Sta.	Dist.	Lt.	Rt.	Mag.	C.C.

12+42 = Cor (No. 9) a 1" x 30" I. Pipe from which
a 10" Cedar - N. 11¾° E. — .105 ch
a 8" " - N. 80° E. — .14 ch

				N 10° E	
2+89.5				N 12¼ E	
	12.42	61°-59'		N 10½ E	N 11-35 E

I. Pat Cor (No. 8) for Cen Sec. 24 a 1" x 36" I. Pipe
from a 24" Fir S. 88½° W. — .075 ch.
" a 8" " N. 35¾° W. — .20 "
" a 24" " N. 38-30 E. — .51 "
" a 18" Cedar N 80½° E — .285 "

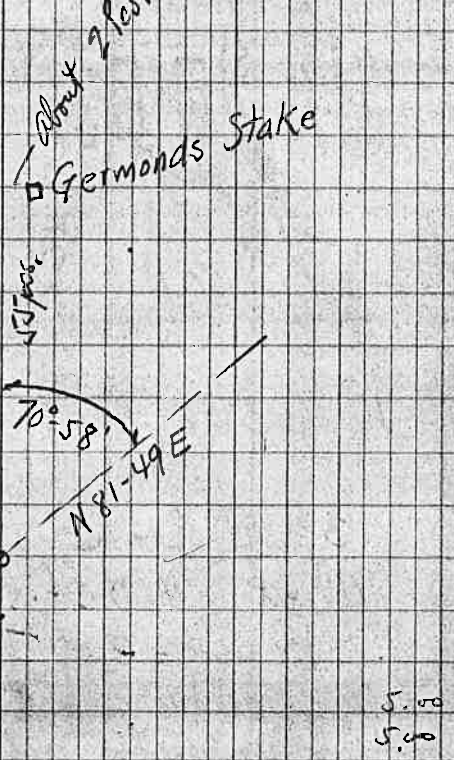
July 31
(Same Party)
1 day



5.00
5.00

40 77.2
40 50
.272

Sta.	Dist.	Lt.	Rt.	Mag.	C.C
13+95 5/10 ch. I Set Cor (No. 11) 1" x 30" I. Pipe. from a 10" Cedar – N. 52 1/4° W. — .085 ch a 10" Fir – S. 22° E — .02 ch.					
				N11°E	
	13.955	62°-43'		N10-55E	N10-51E
I Det. Cor (No. 10) 1" x 50" I. Pipe from a 14" Fir – N. 39 1/4° W. — .055 ch. a 10" " – S. 39 1/2° E. — 0.135 ch.					



5.00
5.00

31.57
30.58
99

30.581
29.26
132.1

Lawrence

5 ft. in 80 ft. Fall.



15-20 ft. to old dam Power

600 ft. of 18" ditch to Sluice gate Sec.

approx 50 ft. to Berry Patch

Probably 90 ft. to tank

½ Unappropriated River

3½ ft head

About 400 c.f.s. pass this channel

Vel. 4-5 ft. Perse.

Say Velocity = 5 ft Sec.

an Undershot wheel say 3 times the head or 7½ ft Diam. The best speed of outer end of floats = 55% with which water enters wheel or 2.75 ft. per sec. — Circumference of wheel = 23.56 ft. say 8 sec for 1 Rev.

Sunshine Ranch

3232

By Using a 4 ft. wheel

$$2.75 \overline{)12.5664} \; 4.6$$

3.1416 × 4

1100

1566

1650

4 ft Takes 4.6 sec. for 1 Revolution

$H.P. = .0012(5 - v_1)v_1 Q$

v = 5 ft. of Stream

v_1 = 2.75 " Wheel

$H.P. = .0012(5 - 2.75)2.75 \times 300 \text{ c.f.s.} = 2.2 \text{ H.P.}$

If Harnessed should Give the Above Result.

In unconfined channel

$H.P. = .001(5 - 2.75)5 \times 2.75 \times 2 = 6.6 \text{ H.P.}$

1

Survey for Mrs Blanche in 3rd. Brookside Add. for Irrigation System

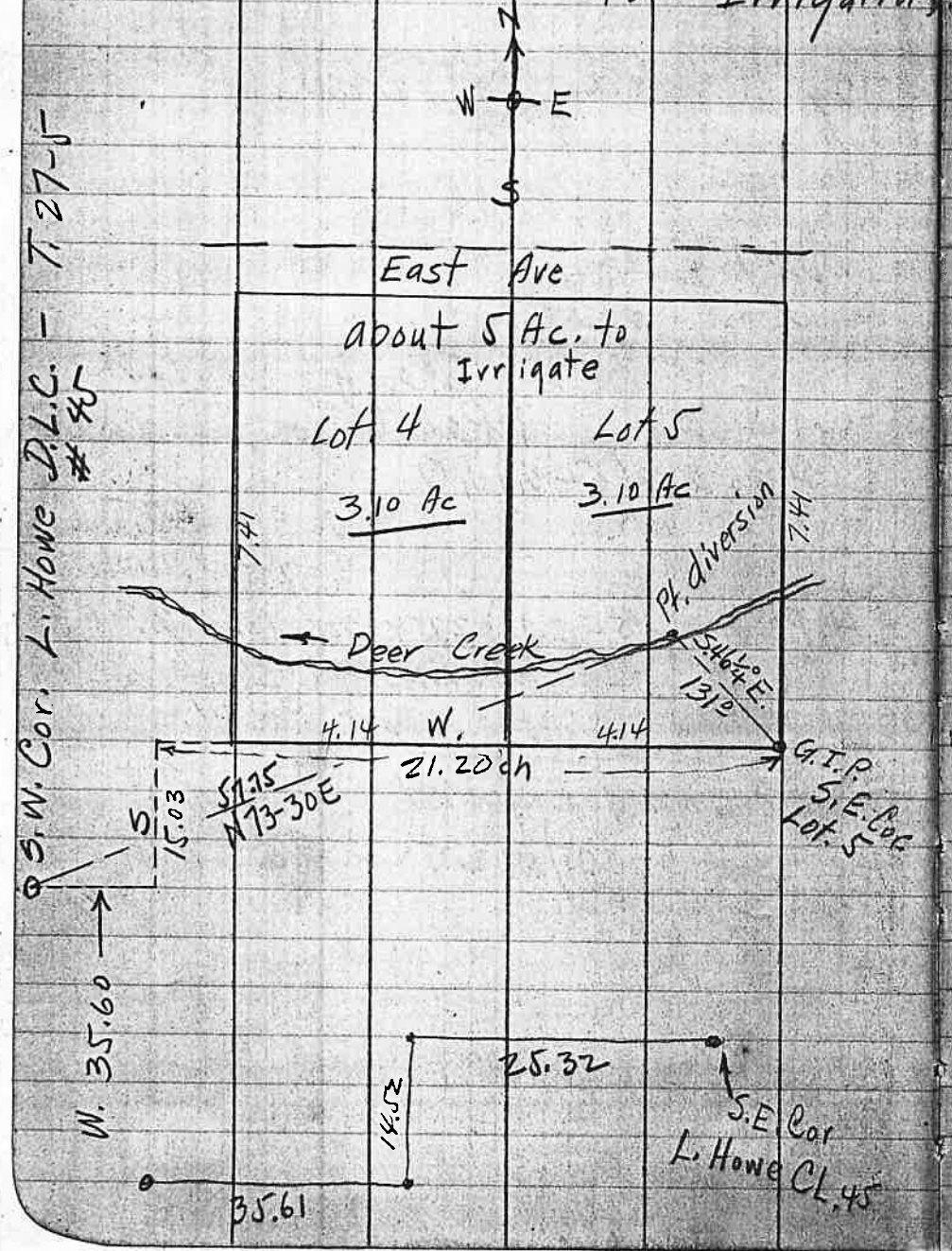
L Clough. to Roseburg

33 33

Aug. 8-18

Frear (3 hrs)

Clough



S 46¼° E. - 1.98 ch.
West 21.20 "
South 15.03 "
West. 35.60 "
N 73-30E - 57.75 "

8.90
8.90
17.80
35.60

4.14
20.70
.50
21.20

22.44
7.41
15.03

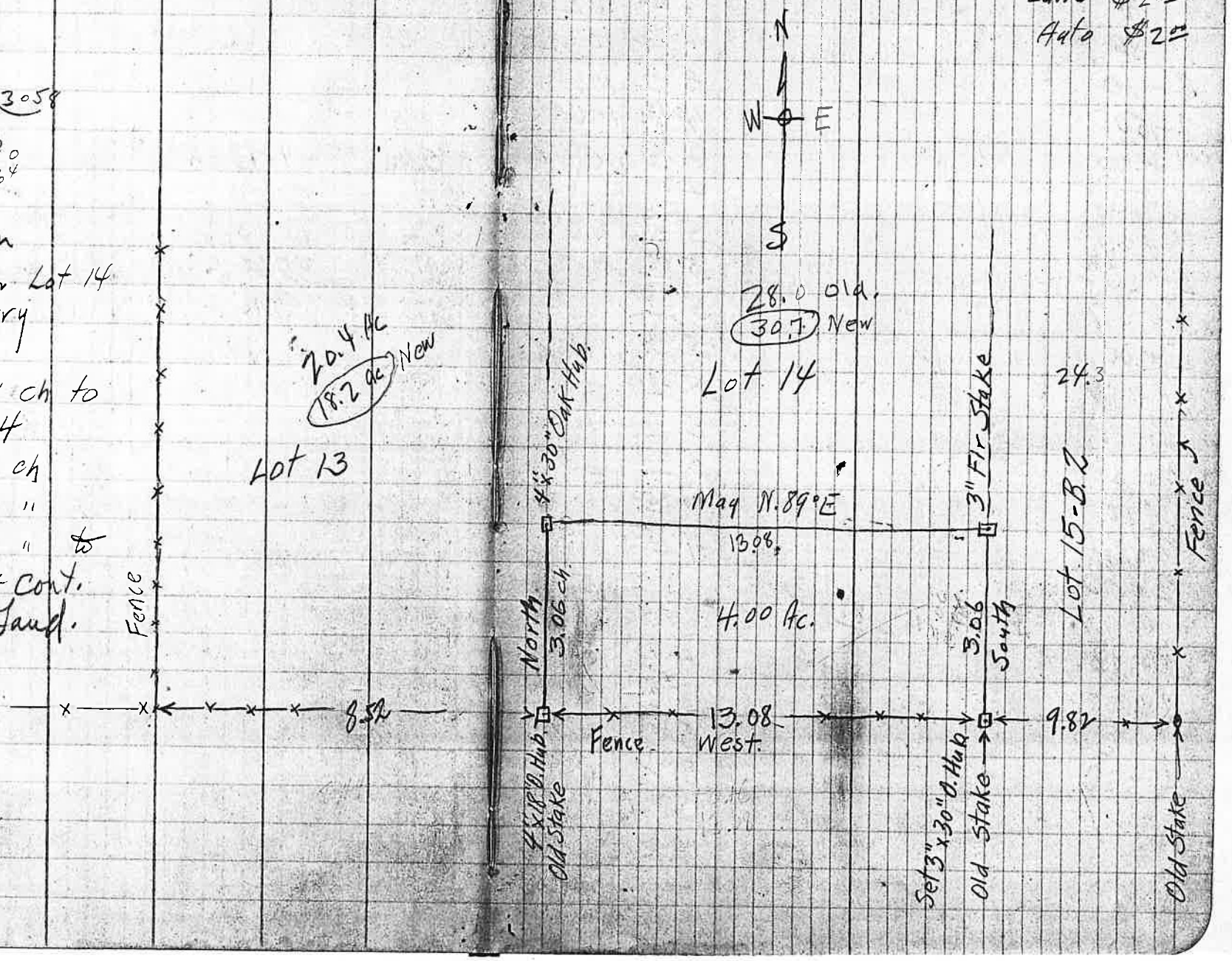
Survey for Peter Darch
Glengarry
of 4.00 Ac. from

in Block 2 Lot 14
Fruit Lands
S. Side of Lot 14 - B. 2

54 (34)
Aug. 22-18
Frear
Lane $2.50
Auto $2.00

13.08) 40.000 (3.058
3924
7600
6540
10600
10464

Description
Beg at S.E. Cor Lot 14
B 2 Glengarry
Fruit Lands
thence W. 13.08 ch to
S. Wr Cor Lot 14
thence N. 3.06 ch
" W. 13.08 "
" S. 3.06 " to
place of Beg & Cont.
4.00 Ac. of Land.



Levels on A. T. Lawrance

Sta.	+	↑	−	R	Elev.
9+15	10 85	110 85			100 00
9+00				8 70	102 15
8+50				7 03	103 82
8+00				5 65	105 2
7+50				4 76	106 09
7+00				4 76	106 09
6+50				4 90	105 95
6+00				5 27	105 58
5+66 2				5 18	105 67
5+50				5 34	105 51
5+00				5 08	105 77
4+50				5 21	105 64
4+00				5 25	105 6
3+50				5 01	105 84
3+00				4 60	106 25
2+50				4 15	106 7
2+00 ⊙			3 46		107 39
	5 42	112 81			
1+50				4 73	108 08
1+00				5 37	107 44
0+50				5 49	107 32
0+00				5 44	106 91
B.M.			2 79		110 02
	16.27		6.25		

Drainage Ditch.

35 35

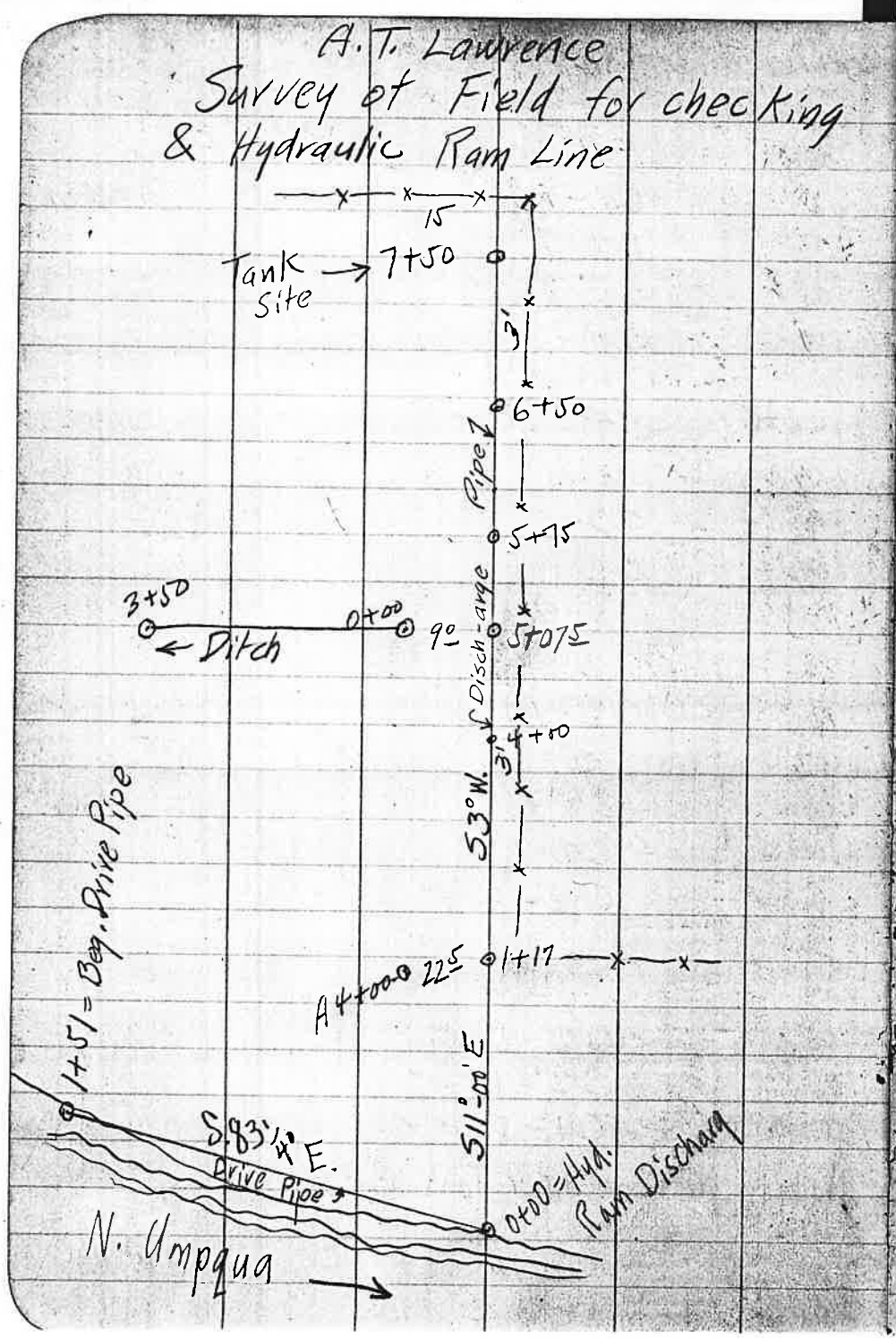
Aug. 26-18
Frear
H. Worthington

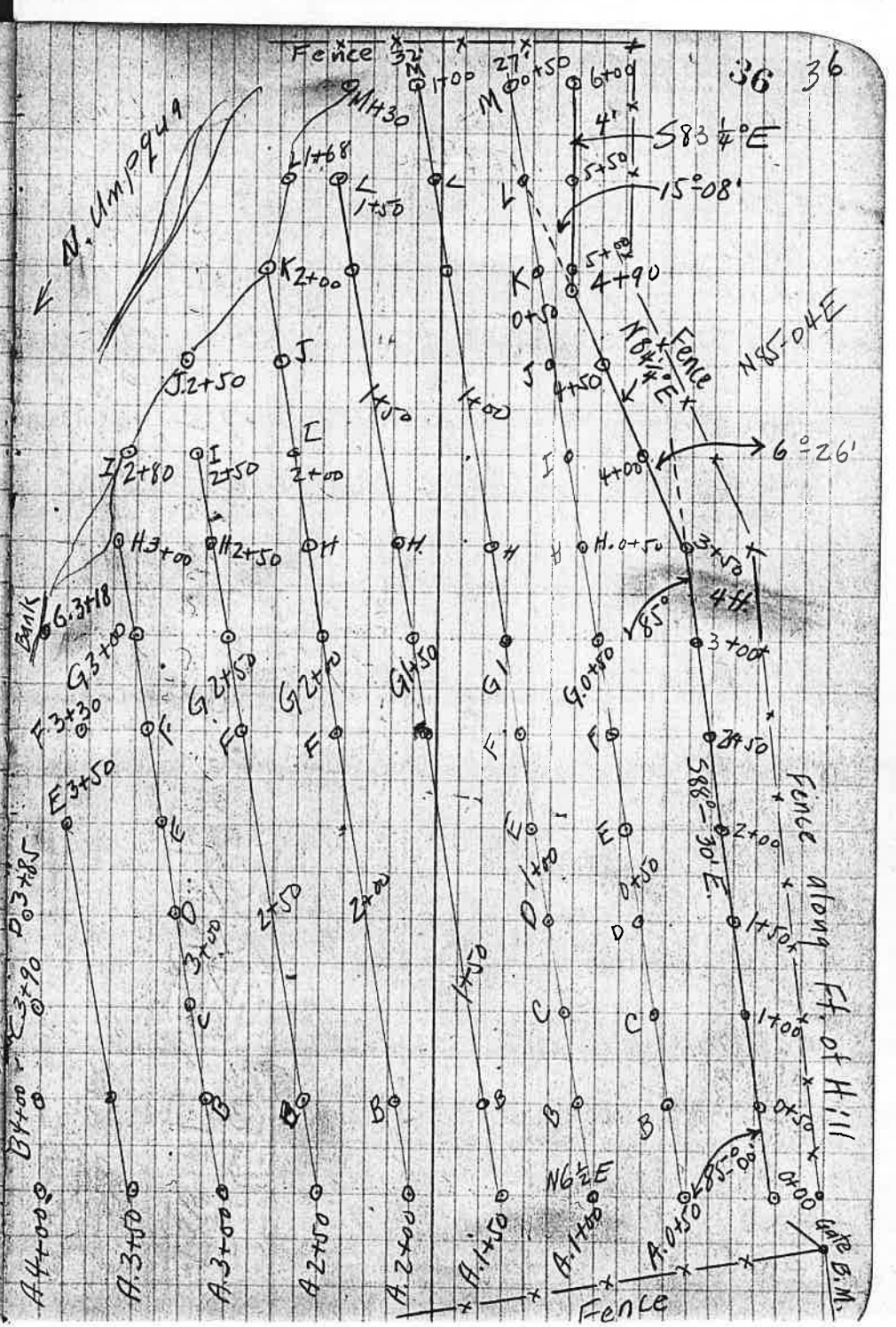
Grade		Cut.
100.93	−	F 11"
101 0	−	C 1'-2" ✓
101 25	−	C 2'-9" ✓
101 5	−	C 3'-8½" ✓
101 75	−	C 4'-4" ✓
102 0	−	C 4'-1" ✓
102 25	−	C 3'-8½" ✓
102 5	−	C 3'-1" ✓
102 67	−	C 3'-0" ✓
102 75	−	C 2'-9" ✓
103 0	−	C 2'-9¼" ✓
103 25	−	C 2'-4¾" ✓
103 5	−	C 2'-1¼" ✓
103 75	−	C 2'-1" ✓
104 0	−	C 2'-3" ✓
104 25	−	C 2'-5½" ✓
104 5	−	C 2'-10¾" ✓
104 75	−	C 3'-4" ✓
105 0	−	C 2'-5½" ✓
105 25	−	C 2'-1" ✓
105 5	−	C 1'-5¾" ✓



Nail in N.E. Cor. Water Tank Post

A. T. Lawrence
Survey of Field for checking & Hydraulic Ram Line





A. T. Lawrence Levels

Sta.	+	▽	−	R	Elev.	
B.M.	2 71	(102 71)			100 00	on W. Gate Post
0+00				4 42	98 29	Beg. Irrigat. Ditch
5+07½				4 5	98 2	Discharge Pipe Line
4+00				6 9	95 8	" " "
1+17				13 8	88 9	" " "
0+50 A				6 03	96 68	
1+00 A				7 00	95 70	
1+50 A				6 68	96 03	
2+00 A				7 4	95 30	
2+50 A				9 08	93 63	
3+00 A				9 00	93 70	
3+50 A				13 02	89 69	
4+00 A				13 7	89 00	
4+00 B				13 79	88 92	
3+50 B				13 01	89 7	
3+00 B				9 9	92 8	
2+50 B				9 0	93 7	
2+00 B				7 71	95 0	
1+50 B				7 00	95 70	
1+00 B				6 4	96 30	
0+50 B				5 88	96 83	
0+50				3 85	98 86	Irrigat. Ditch
1+00				3 46	99 23	" "
0+50 C				6 3/	96 40	
1+50 C				6 05	96 66	

37 31

Aug. 27-18
Frear
Worthington

	+	⊼	−	R	
1+50 C		102 71		6 26	96 45
2+00 C				7 42	95 29
2+50 C				8 85	93 86
3+00 C				10 2	92 50
3+50 C				12 3	90 40
3+90 C				13 9	88 80
3+85 D				13 9	88 8
3+50 D				11 5	91 2
3+00 D				10 44	92 27
2+50 D				8 8	93 9
2+00 D				7 38	95 33
1+50 D				5 55	97 16
1+00 D				5 83	96 88
0+50 D				6 4	96 3
1+50				4 42	98 3
2+00				4 70	98 0
0+50 E				5 9	96 8
1+00 E				5 6	97 1
1+50 E				5 2	97 5
2+00 E				7 1	95 6
2+50 E				8 25	94 46
3+00 E				10 64	92 07
3+50 E				11 35	91 36
3+30 F				10 54	95 17
3+00 F				10 15	92 56

Irrigat. Ditch
" "

	+	不	−	R		
2+50 F		(102 71)		7 8	94 9	
2+00 F				7 16	95 55	
1+50 F				5 2	97 5	
1+00 F				5 51	97 2	
0+50 F				5 43	97 28	
2+50				5 45	97 26	Irrigat Ditch
3+00				5 55	97 16	" "
0+50 G				5 36	97 35	
1+00 G				4 7	98 0	
1+50 G				4 85	97 86	
2+00 G				7 09	95 62	
2+50 G				7 95	94 76	
3+00 G				10 25	92 46	
3+18 G				11 9	90 8	
3+00 H				12 3	90 4	
2+50 H				9 2	93 5	
2+00 H				6 8	95 9	
1+50 H				5 15	97 56	
1+00 H				5 0	97 1	
0+50 H				5 2	97 5	
3+50				5 54	97 17	Irrigat. Ditch
4+00				5 21	97 5	
0+50 I				5 25	97 46	
1+00 I				5 41	97 3	
1+50 I				5 95	96 76	

	+	不	−	R	
		10271			
2+00 I				724	9547
2+50 I				98	929
2+80 I				1197	9074
2+50 J				1125	9146
2+00 J				859	9412
1+50 J				633	9638
1+00 J				542	973
0+50 J				598	9613
4+50				585	9686
4+90				596	9675
5+00				600	967
0+50 K				54	973
1+00 K				564	9707
1+50 K				766	9505
2+00 K				93	934
1+68 L				953	9318
1+50 L				885	9386
1+00 L				703	9568
0+50 L				541	973
5+50				641	963
6+00				576	9695
0+50 M				698	9513
1+60 M				93	934
1+30 M				1012	920

I. Ditch.
"
"

I. Ditch
I. " End

	+	⊼	−	R	
1+17	1 72	90 62			88 90
	⊙		15 92	15 92	74 70
	4 12	78 82			
0+00				7 67	71 15
1+51				4 25	74 57
1+50				5 8	73 0
B.M.	14 46	11 46			100 00
5+75				11 3	103 2
	⊙		1 31		113 15
	13 83	126 98			
6+50				9 8	117 2
7+50				2 3	124 7
M 1+30	0.33	92.33			92 00
			16 45		75.88

Discharge Pipe Line

- H_2O Sur. at End of Drive Pipe also Ram
- H_2O. " " Beg. of " "
Bottom River

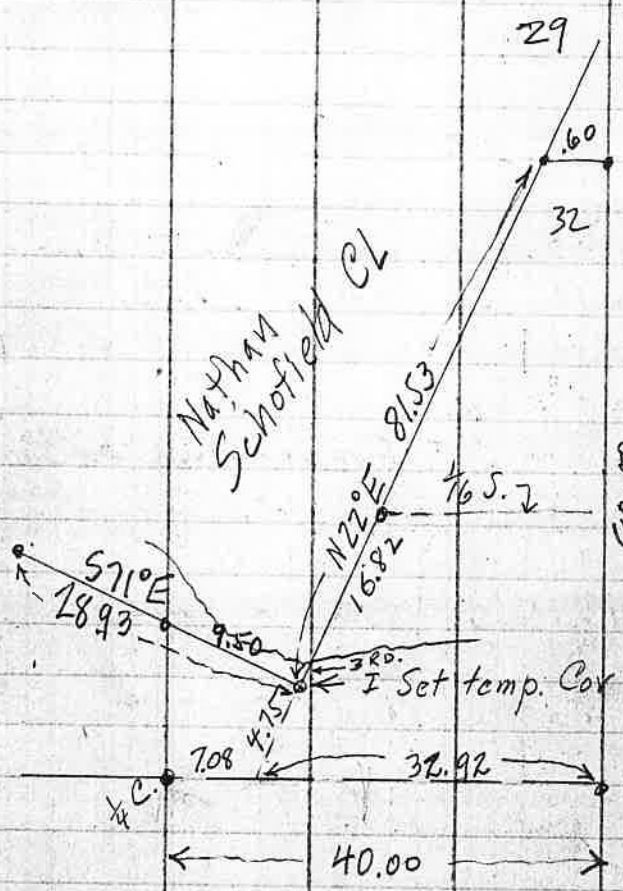
Discharge Pipe Line.

" " "

" "

" " " at Ground Line for tank

Survey for J. I. Jones



42

T. 21 S – R. 12 W. Sept. 19-18 42

Fregr
J. I. Jones
B. W. Thornton
E. B. Bradford

81.53
4.75
1/4 | 86.28
21.57 ch
4.75
16.82 ch.

Needle Line Var. 21° 15'

1/4 Sec. Cor on R. Side Sec. 32
Find Spruce B. T. N. 36° W. 32 Lk
as per Govt. Field Notes plainly marked
Set 6" Spruce Stake 4 ft. long,
Hemlock Down & Rotted marks gone
Thence East by Needle 7.08 Ch.
Set Temp. Stake ~~For~~ 4" x 48" Spruce
Thence N. 22° E. By Needle 4.75 ch
Set Temp Stake for S. E. Cor Nathan Schofield
Cl. 5" x 48" Sp. and make diligent search for Cor
Thence N. 22° E. By Needle at .75 Lks Cross Creek
C. N. W – Thence N. 22° E ~~8.00~~ ch.
at 16.82 ch. Set Temp Stake for Intersection
of 1/16 Sec. Line 4" x 48" Hemlock Stake

N. 71° W

Survey for J. I. Jones in Sec. 32 - (T. 21 - R. 12.)

Sept. 20 - 18 Same Party with Stratton El. AL

I then Return to Temp S.E. Cor and Run N 71° W at 1.50 ch I pass South of old Pine tree 60 years Marked Later I find good evidence of of Cor. 2.00 ch W. of Temp. Cor viz 40" Spruce N 22° E. 48 lk Cut with Blaze & 3 Notches 60 yrs old — 48" Spruce N. 71° W. 52 lk. - Had been blaze Clump of 3 Spruce trees S. 71° E. 72 lks the all Rotted away. However I take S.E. Cor by a 5' x 48" Spruce Stake for S.E.C. 38 - I then Ran N. 71° W thence South to 1/4 S. Cor. established By Needle 7.50 ch set Stake Mr Jones was satisfied and survey was completed.

All Needle Work
Variation of Needle 21° - 15'

But No Scribe Marks at the Blaze & Notches very plain but Cut out and Marks gone Nearest one Facing Cor. Gone and nearly those trees as good evidence & establish. by me on Previous day

Survey of Englewood Ranch.

T. 23-7

Sept. 22-18 (44)

Frear
McDaniels
Al. Hutchinson Ch.
Geo. Madison Ch.
Fred Bullock

Beg. at Cor. No. 4 Thence North 603.5 links Estab. Cor. 1 & 2 Thence West to River to Cor 1 & 2

2"x4" Fir Stake

4" Oak Stake

Sept. 23-18
Same Party

Beg. at Cor. No. 3 - Thence North 1166.8 ft. and Est. Cor. to Lots 2 & 3 a 1"x30" I. Pipe Thence West to River to Cor. 2 & 3

4" Oak Stake

93.4
0.9
15.0
35.9
100
100
50
50

Then Return to Cor of Lots 2 & 3 and Continue North to Intersection of Line Running West from Cor. No 1 and Set a 4"x

3" Oak Stake

526.4
93.4
466.75
357.94
970 69

Then Return to Cor. No. 1 and Run S 89-32° W at 357.94 & set Cor. to Lots 8 & 9 on South Side a 3"x24" Oak Stake. 1 - Thence North to River 3"x40" Ash Stake

Thence 466.75 to Cor. Lots 7 & 8 - 3"x36" Oak Stake. 2 - Thence North " " 4"x48" Oak "

Thence 493.36 to Cor Lots 6 & 7 - 3"x36" Oak Stake - Thence North to River Bk. 4"x40" O. Stake

Thence 612.25 to Cor Lots 5 & 6 - 5"x40" Oak Stake

Turn 90° 28' Rt. & Run North Bet. Lots 5 & 6 to River Bank Set 5"x40" Oak Pt.

Survey of Englewood Ranch

North Bet. 9 & 10

Beg. at Cor No 1 & Run S. 89-45 W. 89 36

Thence North 496 4 to ℄ 40 Ft. Road & to River 4"×48" Oak Stake

" " "

Traverse of Road ℄ 40 ft. Rd.

Sta.	Dist.	Lt.	Rt.	Mag	C.C.
Cor. 9 & 10					
	496 4	66°-28'		South	South
0					
	188 8	12°-13'		S66°-15'W	S66-28 W
1					
	145 9		5°-45'	S78°-10'W	S78-4 W
2					
	88 5		11°-05'	S72°-35'W	S72°-56 W
3 — 10 & 11 = 16+51	8 1 2 3 2				
	178 8	8°-20'		S61½°W	S61°-51 W
4 = 14+73					
	188 0		17°-55'	S69°-55'W	S70-11 W
5 = 12+85 9					
	179 2	7°-50'		S52°W	S52°-16 W
6 = 11+05 8					
	143 5	4°-29'		S60°W	S60-06 W
7 = 9+62 3					
	160 2		6°-49'	S64°W	S64-35 W
8 = 8+02 1					
	1272.9	97-140 99-20	39-154 41-34		

T. 23-7

45
45

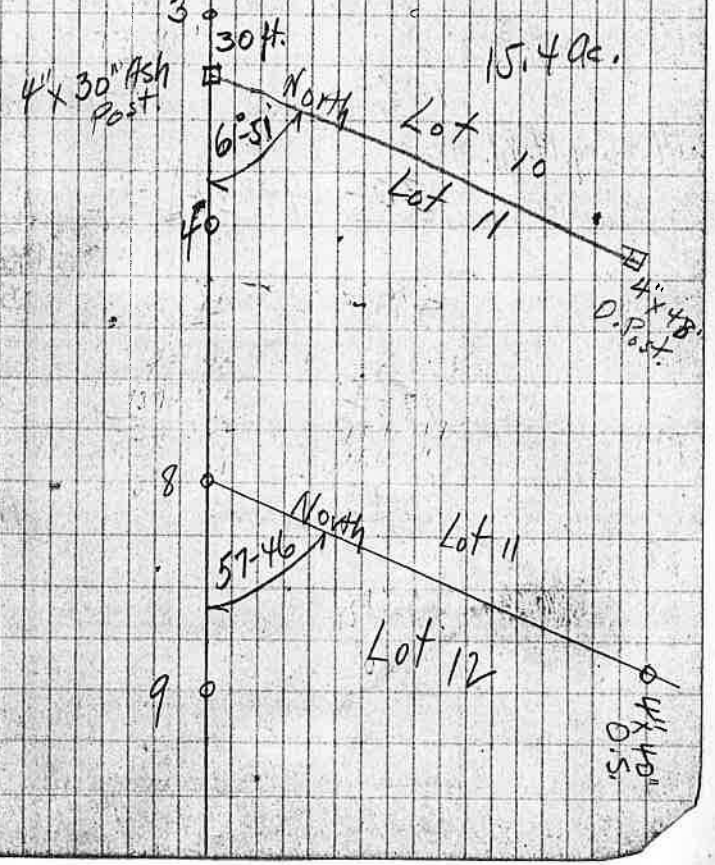
Sept. 24-18

4 Bet 3" Oak Stake 40" Long 9 & 10)

Div. Line 9 & 10 - 4"×36" Oak Stake) 218.5

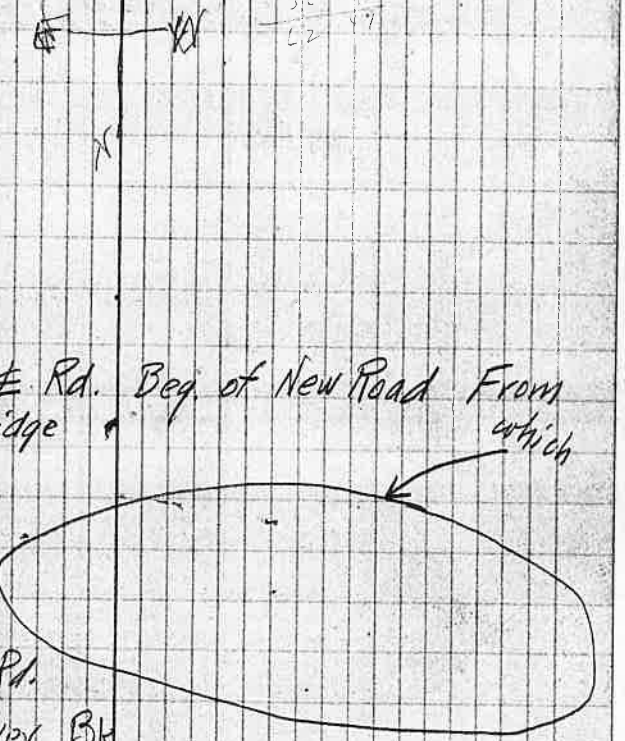
.88499	-(27°-45')	77	68.1
.75471	-(41°-00)	30	22.6
	-(44-23)	100	71.5
.81879	-(29-27)	67 3	58.6
.94451	-(19-10)	60 5	57.1

Sight South Along Line Bet. 9 & 10 496.4



Sept 25-18
" 26-18
Same Party
with Kraft et Al.

Sta.	Dist.	∠.	Rf.	Mag.	C.C.
8 = 8+02 ±					
	115 ±		2°-31'	S57-20W	S57-46W
9 = 6+86 ±					
	157 ±		3°-30'	S55°-10'W	S55°-15'W
10 = 5+29 ±					
	130 ±	5°-06'		S51°-45'W	S51°-45'W
11 = 3+98 ±					
	180 ±	12°-05'		S56½°W	S.56°-51'W.
12 = 2+18 ±					
	109 ±		15°-18'	S69°W	S68°-56'W
13 = 1+08 ±					
	108 ±		89°-18'	S53°-40'W	S53°-38'W
14 = Beg. Pt. Rd. 0+00	802 ±				
	30 ±	99°-24'		S35°-25'E	S35°-40'E
15					
	240 ±	20°-27'		S63¾°W	S63°-44'W
16					
	186 ±			S84-10W	S84°-11'W
17					
	(391 ±)	By Comp.		North	North
18					
	1258.9	136-62 137-02	109-97 110-37		



Measurement of Cleared Land — Higgin bottom

Sta.	Dist	Lt.	Rt.	Mag	C.C.
1030					
		Lot 6 Clear Land			
	14.5 Ac.				

1030
612
2060
1030
6180
630360

4356 | 63036 | 14.5
43536
19476
17424
2052

412
524
936
468
203
1404
936
95004

970
485
3600
2910
1455
1746004
95004
2696004
2613624
82380

6.2

4356 | 2696004 | 6.2
26136
24
82

5½ Ac. Clear Land in Lot 13

412
203
95,004
524
600
174,600
360
370

Add ¼ Ac.

6.2
.25
6.5 Ac. total Clear Land in Lot 12

360
475

Add ¼ Ac.

475
360
28500
14250
171000
13068
4356 | 171068 | 39.2
13068
39

4.0 Ac.
4¾ CLEAR LAND IN LOT 11

Survey of Roy Fisher Tract.

Sta.	Dist.	Lt.	Rt.	Mag.	C.C.

Sta.	Levels on +	Levels on ↑	Ditch for −	R	Ele
0+00	5 29	(105 29)			100 00
0+50				4 90	100 39
1+00				5 16	100 13
1+50				4 73	100 56
2+00				3 98	101 31
2+50				3 26	102 03
3+00				2 55	102 74
3+50				3 00	102 29
4+00			2 77	2 77	102 52
	3 10	105 62			
4+50				3 05	102 57
5+00				4 15	101 47
5+50			4 46		101 16
	7 38	108 54			
6+10				7 41	101 13
6+50				6 22	102 32
7+00				8 16	100 38
7+50			7 66		100 88
	4 78	105 66			
8+00				4 90	100 76
8+50				3 70	101 96
9+00				3 44	102 22
9+50				3 80	101 86
10+00				3 55	102 11
10+30			3 45	3 45	102 21
	20.55		18.34		

M & Daniels

Grade		Ground	
98 7	C 1'-4"	6 0	99 3
98 6	C 1'-9½"	5 8	
98 5	C 1'-8"	5 9	99 2
98 4	C 2-2	5 5	
98 3	C 3-0	4 6	
98 2	C 3-10	3 9	
98 1	C 4-8	3 5	101 8
98 0	C 4-3½	3 6	
97 9	C 4-8	3 8	101 5
97 8	C 4-9	4 0	
97 7	C 3-9	5 0	100 6
97 6	C 3-7	5 2	
97 5	C 3-8	8 2	
97 4	C 4-11	7 3	101 2
97 3	C 3-1	8 9	
97 2	C 3-8	8 4	
97 1	C 3-8	5 6	
97 0	C 4-11½	4 4	
96 9	C 5-4	4 1	101 5
96 8	C 5-1	4 7	
96 7	C 5-5	4 6	
96 64	C 5-7	4 3	

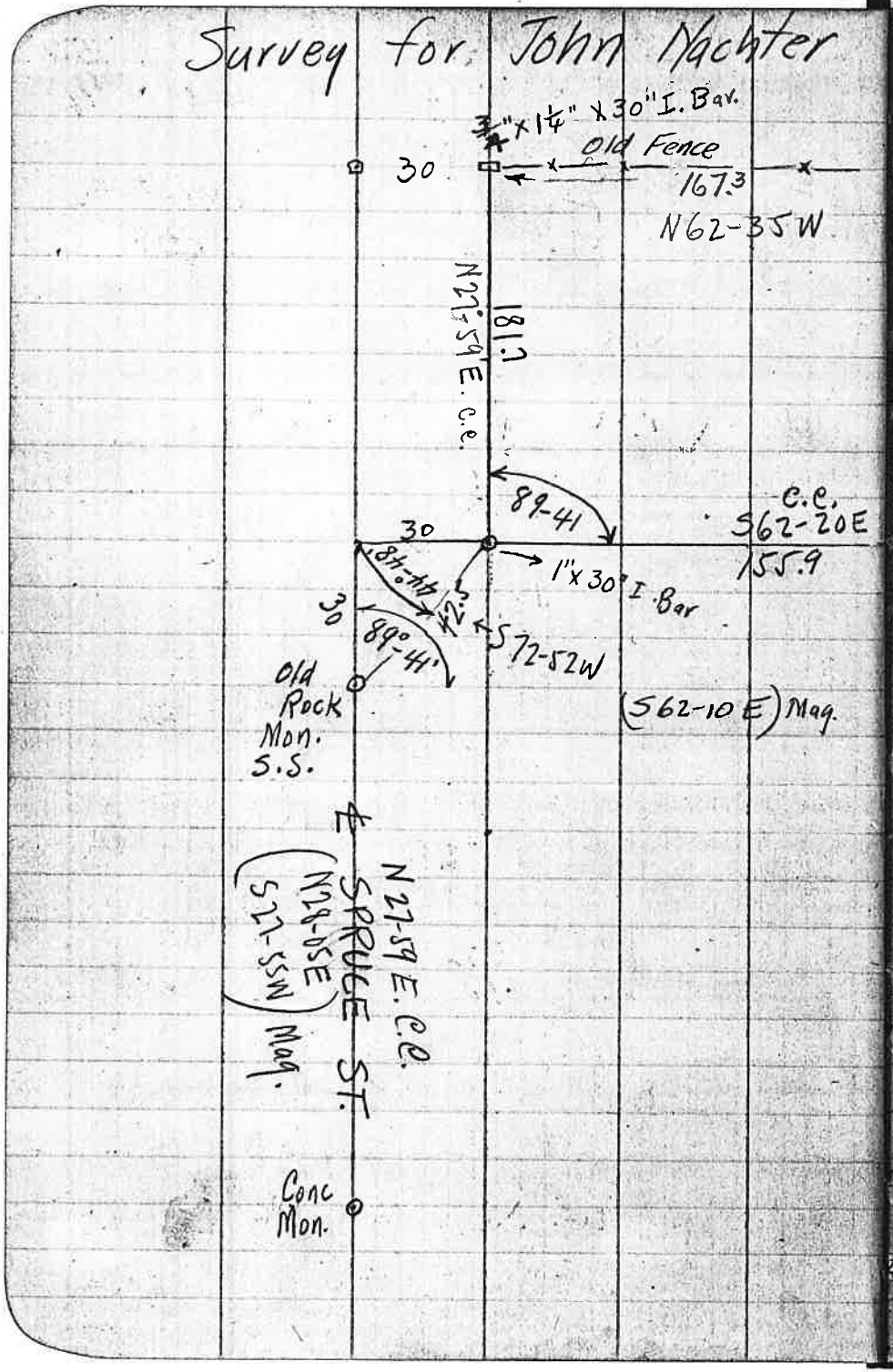
49

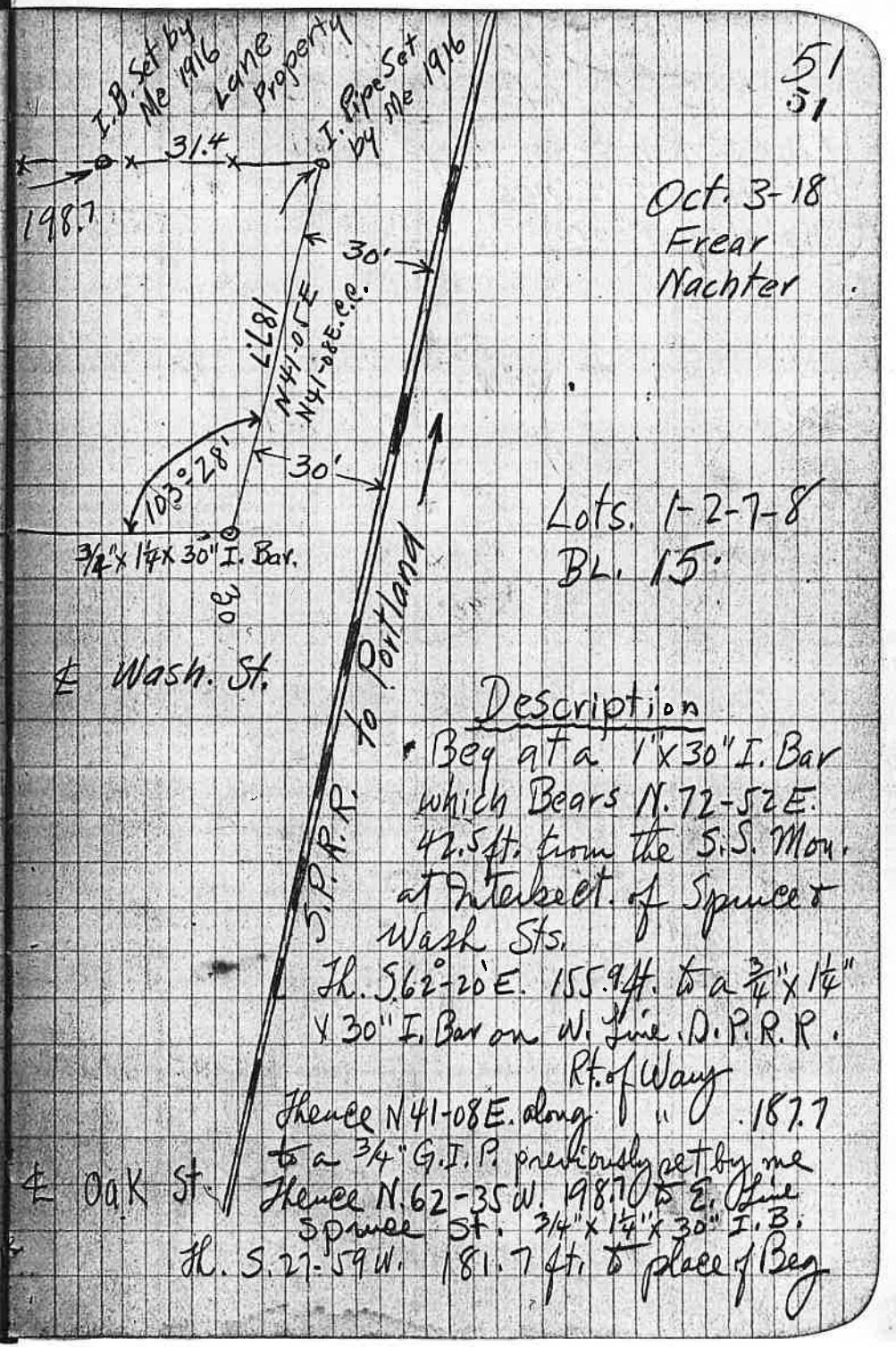
		Mc Daniels			Ditch
	+	↑	—	R	El
10+	393	10614			102 21
10+68				473	101 41

Ground 50 50

96½ - C 4-9½ - 59 - 100 ±

Survey for John Nachter





Oct. 3-18
Frear
Nachter

Lots. 1-2-7-8
Bl. 15.

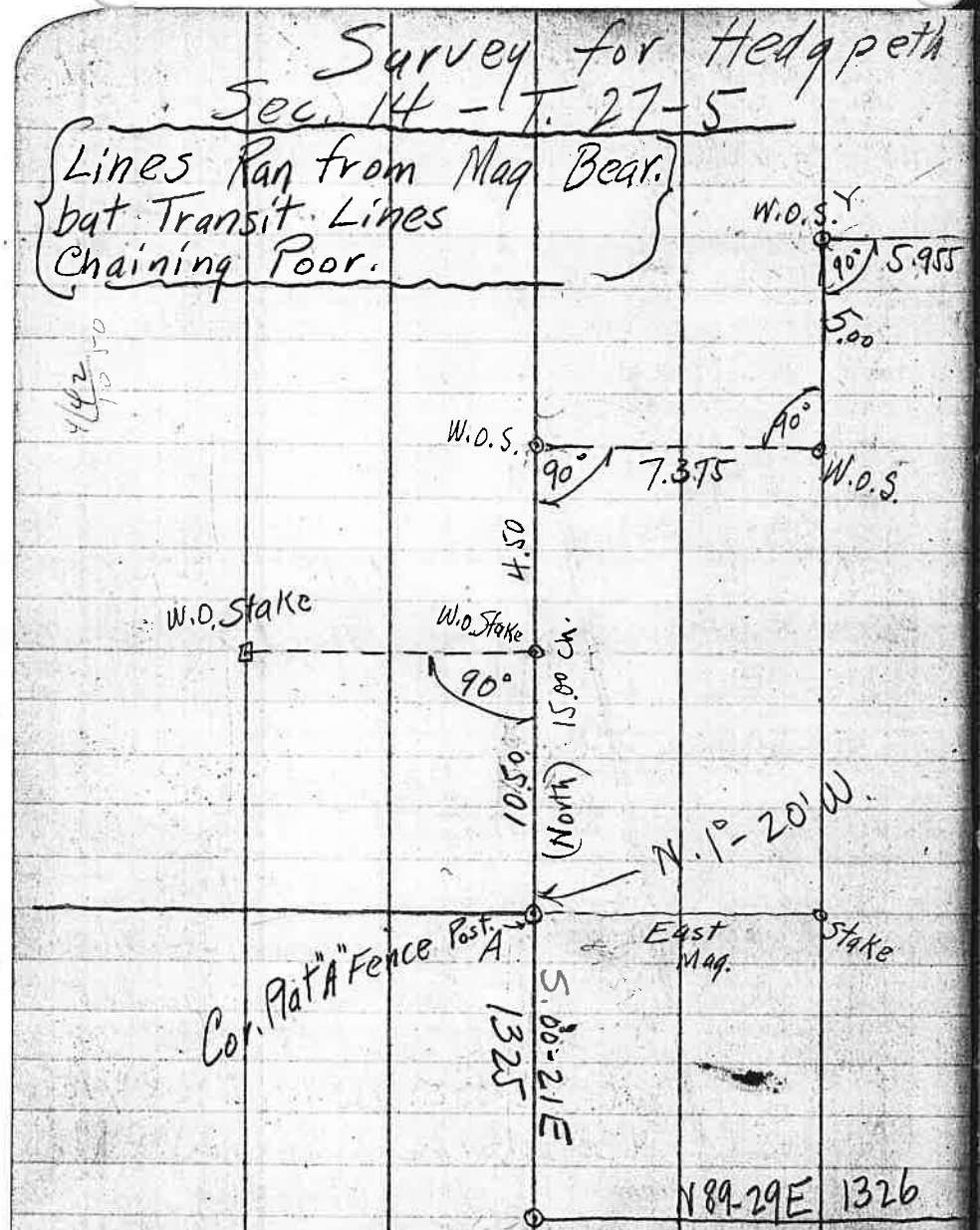
Description

Beg at a 1"x30" I. Bar which Bears N. 72-52 E. 42.5 ft. from the S.S. Mon. at Intersect. of Spruce & Wash Sts.
Th. S. 62-20 E. 155.9 ft. to a 3/4"x1/4" x 30" I. Bar on W. line D.P.R.R. Rt. of Way
Thence N 41-08 E. along " " 187.7 to a 3/4" G.I.P. previously set by me
Thence N. 62-35 W. 198.7 ft. to E. line Spruce St. 3/4"x1/4"x30" I.B.
Th. S. 27-59 W. 181.7 ft. to place of Beg

Survey for Hedgpeth & Temple Brown.

Sec. 14 - T. 27-5

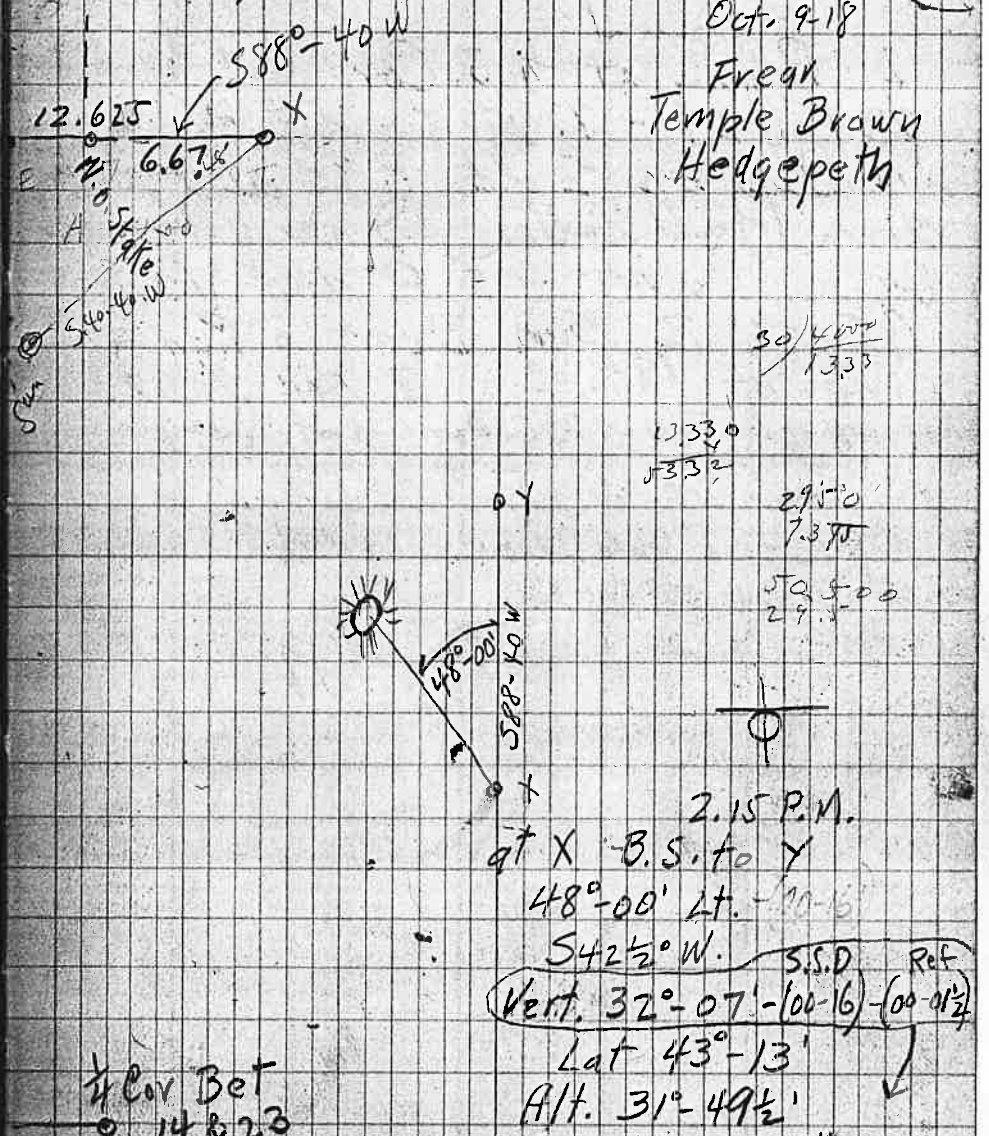
{Lines Ran from Mag Bear. bat Transit Lines Chaining Poor.}



Foggy - Cold 52

Oct. 9-18

Frear
Temple Brown
Hedgepeth



Survey for G.E. Trask in Sec. 24 - (T. 29-5)

I Began at ¼ S. Cor. Bet. Sec. 23 + 24 - T. 29-5 - which I identify by 2 old B.T.'s and stake down 18 rotten, I re-establish by a 1" x 40" G.I.P. and Run East By Sun Bear. on Random Line at 80.02 I Fall .90 Lks North of True ¼ S. Cor. Bet. 19+24 at ¼ S. Cor. on E. Side 24 I Set Rifle - 2" dia Reven. I find 30" W.O. D. 75° W. -180

Other Plugs found By Briggs now gone

Oct. 22
F.E. Frear
Geo-Trask
M.E. Manley
Oct. 23
Same Party. with H. Wardrip.

(-.08 Lk)

Oct. 21-1918

1.25 P.M.
V.A. = 32°-59'
H.A = 64°-56'
Needle S25°-5'W
Lat. = 43°-02'
Alt. = 32°-41½'
Dec = 10°-39'

$$\cos Q = \frac{\sin 10\text{-}39}{\cos 32\text{-}41\tfrac{1}{2} \times \cos 43\text{-}02} - \tan 32\text{-}41\tfrac{1}{2} \times \tan 43\text{-}02$$

$$\frac{.18481}{.61517} - .59917$$

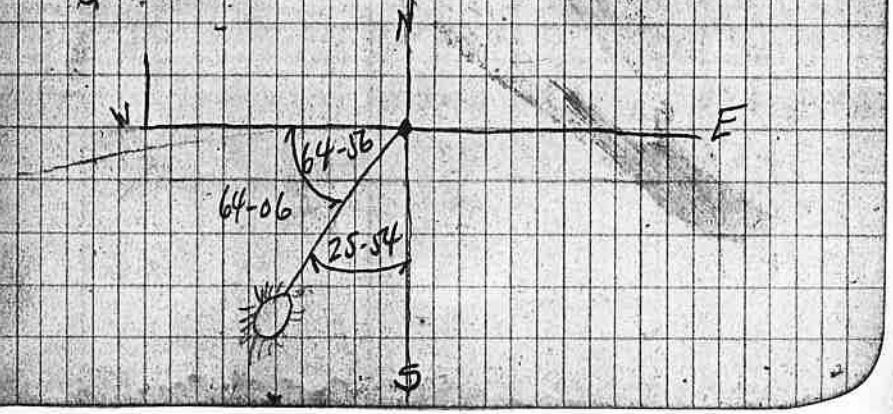
$$\frac{-.30042}{-.59917} = \cos Q$$

$$-.89959$$

$Q = 25°\text{-}54'$ or $Sun = S\ 25\text{-}54\ W$

$$\begin{array}{r} 32\text{-}59 \\ 16 \\ \hline 32°\text{-}43' - \omega \\ 1'\text{-}30'' \\ \hline 32\text{-}41\text{-}30 \end{array}$$

$$\begin{array}{r} 10\text{-}30\text{-}20.2 \\ 8\text{-}30 \\ \hline 10°\text{-}38'\text{-}50'' \end{array}$$

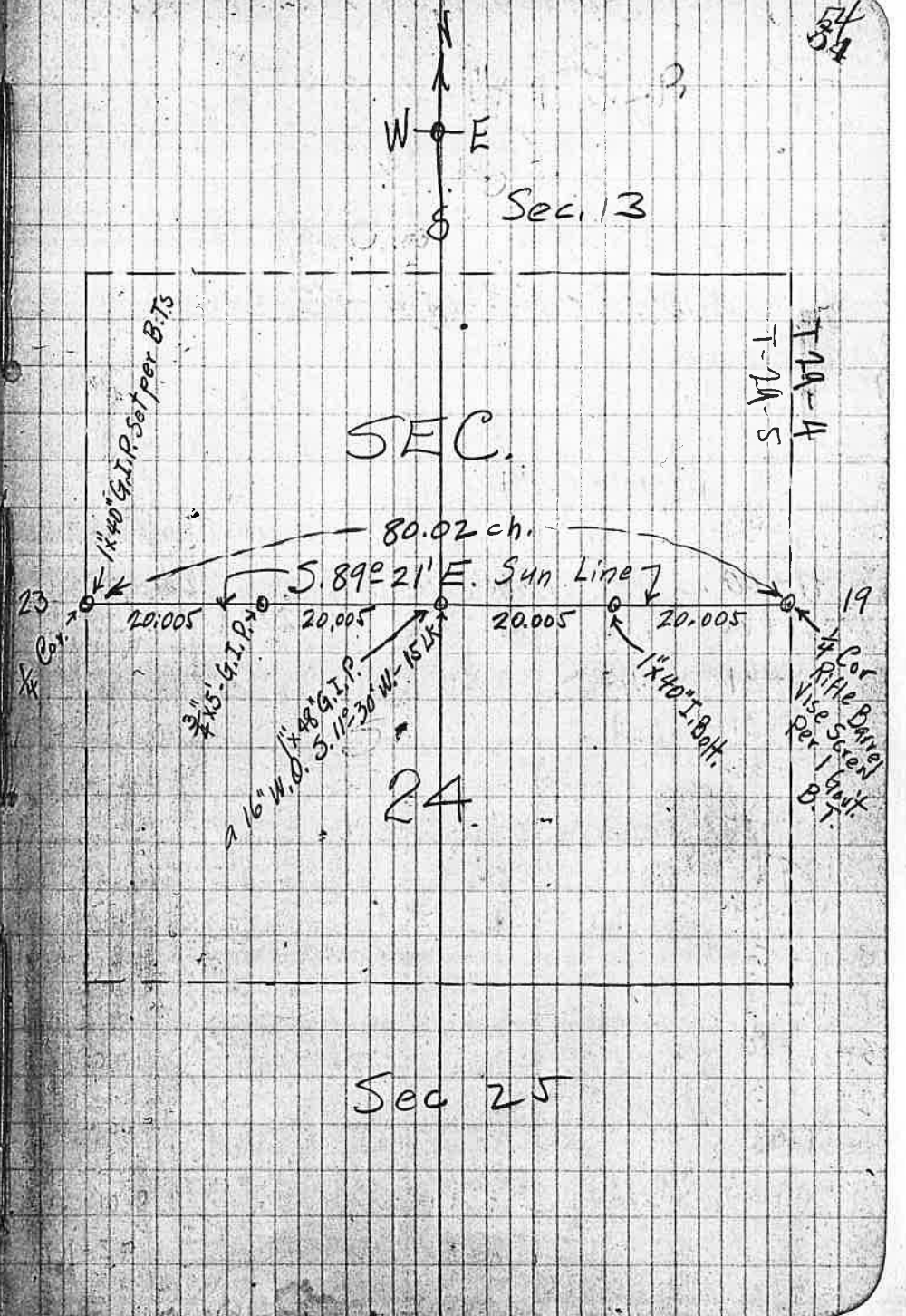


Survey for G.E. Trask

Sta. | Sec. 24 - T. 29 S

.01125 Lk. Perch.

17 = 80+02	I Fall	90 Lk.	N. of 1/4 Sec. Cor.
16 = 73+20		.824	
15 = 69+34		.78	
14 = 65+56		.738	
13 = 61+44		.691	
12 = 60+00	Fence	.675	1" x 40" I. Bolt
11 = 40+09	Fence 1/4	.451	
10 = 32+72		.368	
9 = 22+96		.258	
8 = 21+25		.239	
19+95 =	1/8 Fence	.225	3/4" x 5' G.I.P.
7 = 17+84		.20	
6 = 11+71		.132	.43
5 = 8+61	Tree	.097	
4 = 6+50	Tree	.073	
3 = 3+82		.043	
2 = 2+62		.03	
1 = 1+17		.013	
0			



Survey for W. S. Johnston & Victoria McDaniels 55

Sec. 26 – T. 28-7 – Cont. on P. 70 this Book 5.5

Oct. 26-18

Frear
W. S. Johnston
L. McDaniels Ch.
A. J. Miltimore
Howard Ch.
Auto. $2.50

87-25
S 87-25 E
S 89-42 E
87-25
2-17
S 88° E

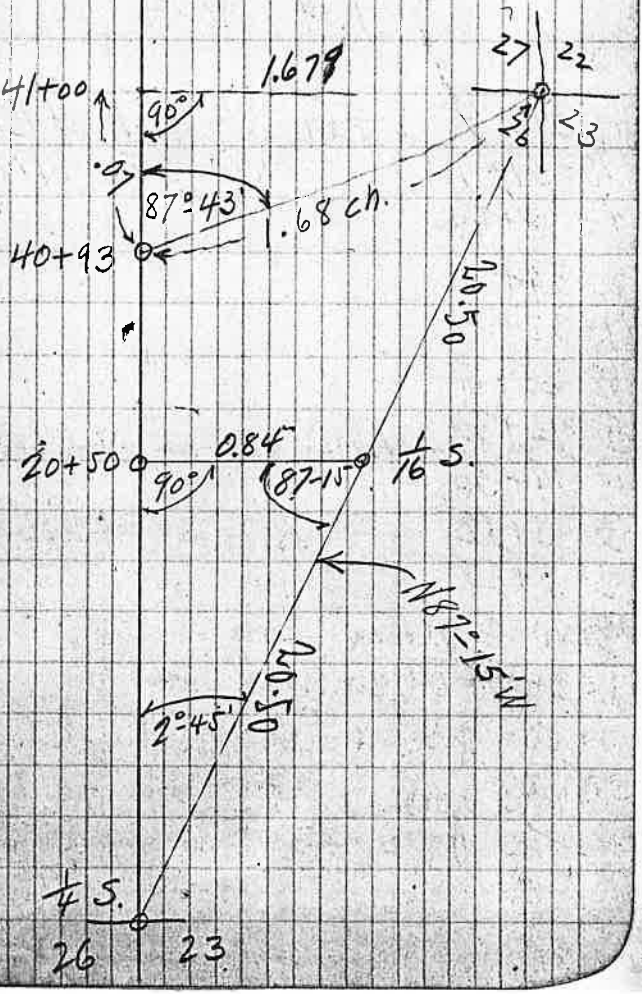
1"x 24" G.I.P.
1/16 S. a 10" B.O. – N. 9°-05 W – 22½ Lk

Departure .041

Old B.T.s all Standing Except in 23 Gone

Sta.	Dist.	Lt.	Rt.	Mag	C. C.
13 = 41+00	I Fall 1.68 ch. South of Cor. 22-23-26-27 Set 1"x1"x24" I. Bar.				
12 = 31+66	1.30				
11 = 29+61	1.215				
10 = 25+31	1.04				
9 = 20+32					
8 = 16+85	Regain Line by 22 Lks. N.				
7 = 13+79					
6 = 12+34	Top Ridge off. 22 Lk. S				
5 = 11+52					
4 = 10+75					
3 = 7+10					
2 = 3+13					
1 = 1+78					
0+00 = ¼ S	Cor. Bet. 23+26 as per Govt. B.T.s standing			West	

15 = 37+50
14 = 35+00
13 = 32+50
12 = 30+00
11 = 27.50
10 = 25.00
9 = 22.50
8 = 20.00
7 = 17.50
6 = 15.00
5 = 12.50
4 = 10.00
3 = 7.50
2 = 5.00
1 = 2.50



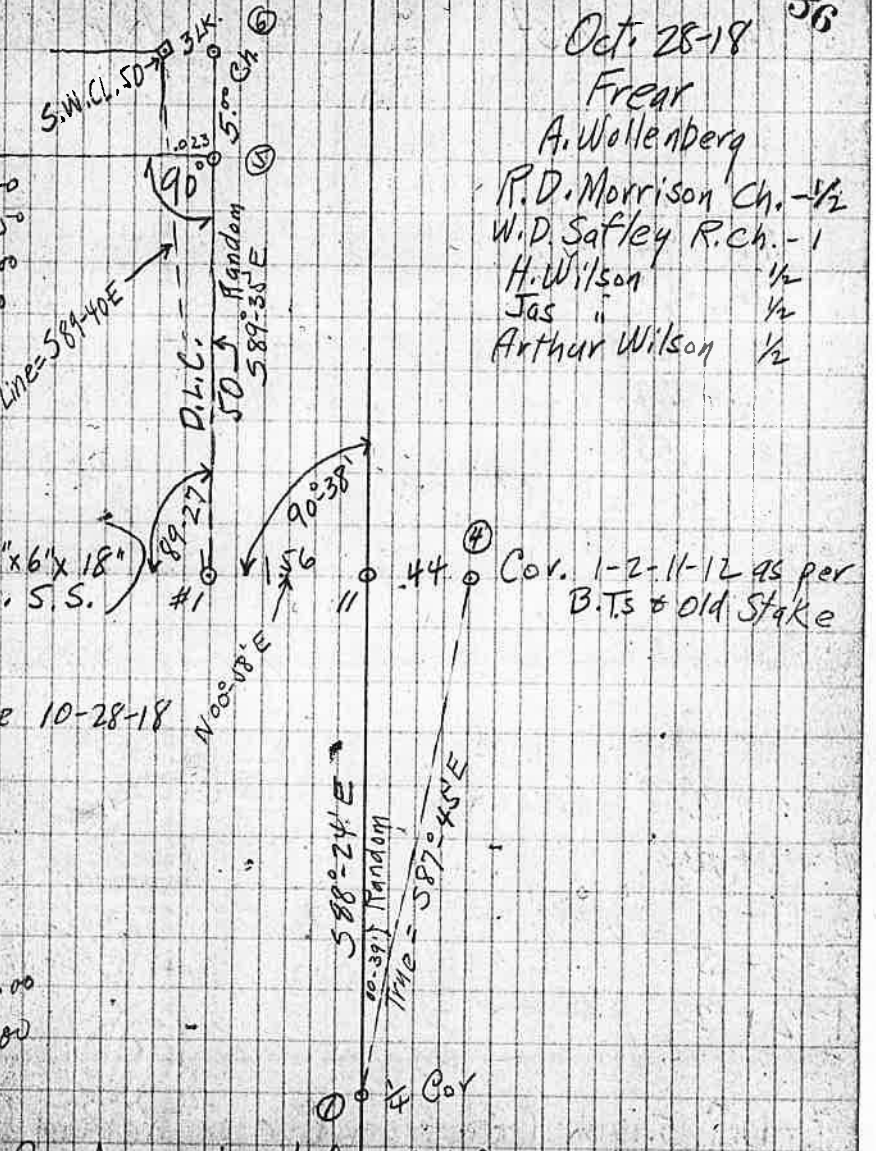
Survey for H. & A. Wollenberg Et. Al. – T. 30 – 4

(56/56)

Sta:	Dist.	Lt.	Rt.	Mag	C.C.
5 = 17+52	.024 North				
4 = 16+32	.022 North				
3 = 10+89	.015 North				
2 = 9+70	.013 North				
1 = 8+39	.011 – North				S89°-35'E
			89°-27'	East.	
1 = Pt. on D.L.C. 50					
	1.54	90°-38'		N00½°E	N00°-58'E
11 = 39+75	I Fall – {46 Lk. N. of Cor. 1-2-11-12 Per Old B.T.s still standing ④				(Set 6"x6"x18" Cong'l. S.S. Stake)
10 = 37+71					
9 = 36+66					
8 = 34+42					
7 = 32+00					
6 = 25+19					
5 = 23+30					
4 = 19+30 ← (19+87.5)	=.229	–.02	Meas. South		
3 = 5+12	.059	–.02	Meas. South		
2 = 3+34	.038	–.02	" "		
2+90 = ℄ D. Creek	.033	–.02	" "	588-53 E	S88°-24'E
1 = 2+00 – Off 2 Lk. S.	0.K. or .023		" "		
0+00 = ¼ S. Cor Per	12" W.O. B.T.		S52¼°W.	1.52 ch	

Marks gone I take evidence of H. Wilson & Frank Reynolds ① who claim they saw marks on Tree.

I Set Plowshare for ¼ Cor Bet Sec. 2 & 11



H. & A. Wollenberg Survey

Sta.	Dist.	Lt.	Rt.	Mag	C.C.

Lat. = 43°-00'
Alt. = 12°-45'
Dec. = 13°-26'-23"
A = + .2107
B = + .3255
A+B = +.5362
S. 51°-32' W. By Merid.
Check By Formula.

13°-05' + [(00-16') + (00-04')]
13°-16'-35"
9'-48"
13°-25'-83
13°-26'-23"

10.06" Diff.
11.75 Hr.
25030
35042
50086
500
6 | 588.2050
9.8034

.0493
5=40+52 I Fall 20 Lks. W. of Cor. No (8)
4=40+00
3=17+01 .084 - Meas. E.
2=3+05 .015 - " E
1=2+12 .01 - " E

N1½° E N00°-25' E

90°-00'

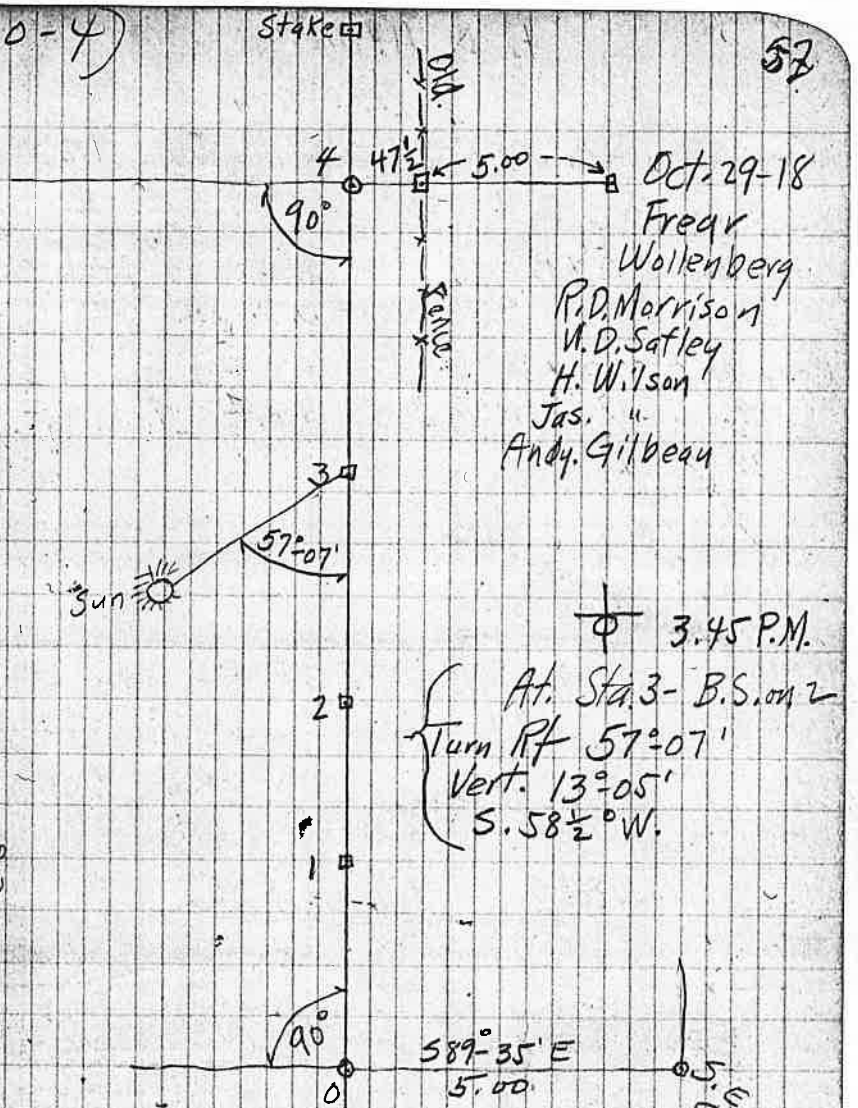
I - Beg. 5.00 ch. Back from Cor. on Random Line

1=22+00 I Fall 3 Lks South of S.E. Cor. CL. 50
6=19+15 S89°-35' E

Identify By 12" B.O.B.T. down

(T. 30-4)

57



I Set 4"x48" Fir Stake for S.E. Cor. CL. 50
10" Fir S.56°E. ~ 7 Lks.
10" " N.88½°W. ~ 11½ Lks
(6)

H. & A. Wollenberg Survey

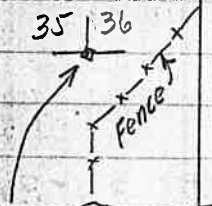
T. 30 - 4

Cor. No. 1 - 10"x14"x18" Creek Boulder - 9/12" W.O. S. 52½ W. 1.52 ch. Old B.T.
¼ Cor. Bet. 2-11 a 8" W.O. N. 75° E. 2.00 ch.

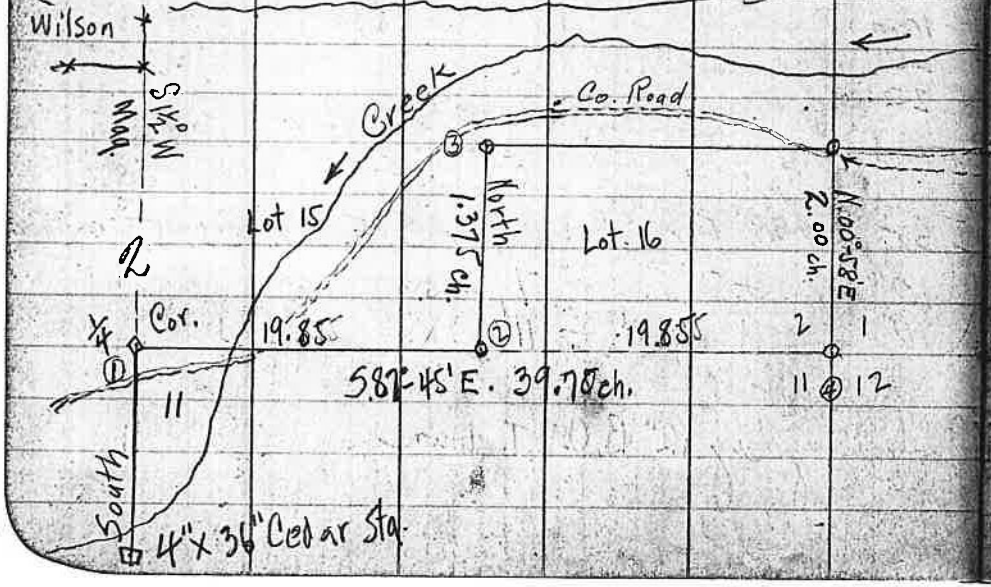
Cor. No. 2 - 5"x12"x18" Flint Rock 1/16 S. Cor.
24" White Fir S. 33¾° W. - 0.72 ch.

Cor. No. 3 - 1½"x30" G.I.P.

Cor No. 4 - 6"x6"x18" Congl. S.S. 4 B.T.s Standing



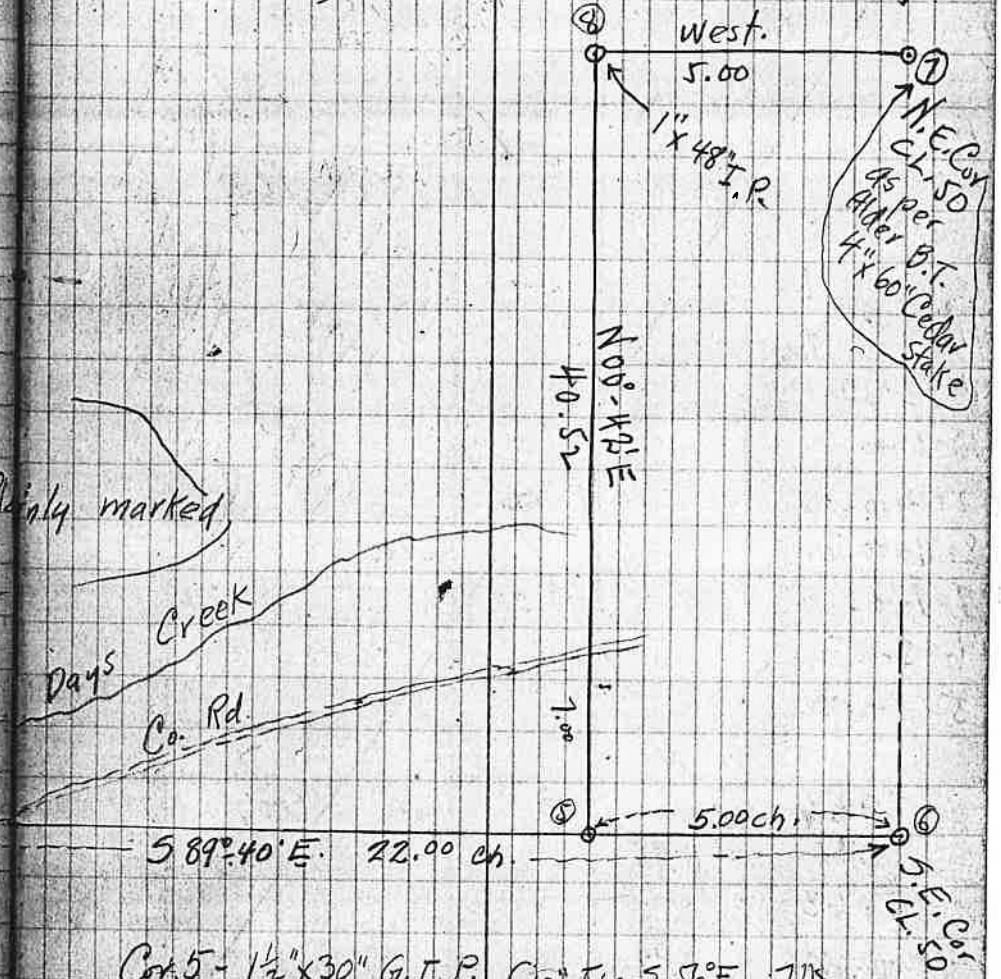
Cor. 35-36 on S. Bdy T. 29-4 - Old Stake &
2 Madrone B.T.s Standing - one N.W. - one S.E, Plainly marked
other 2 gone But stumps Standing I. Mark
12" Fir - N 13½° E. - 20 Lks. C.S.B.T.
48" Cedar - S 32° W. - 9 Lks. C.S.B.T.



Final Lines

58
58

Oct. 30-18
Same Party



Cor. 5 - 1½"x30" G.I.P. { 10" Fir S. 56° E. 7 Lks
Cor. 6 - 1½"x30" G.I.P. { 10" " N 88¼° W. 11½ Lks
Cor. 8 - 1"x48" I. Pipe

H. & A. Wollenberg – Sec. 23 – T. 30 S.

Sta.	Dist.	Lt.	Rt.	Mag	C.C.
12 = Pt. on Fence					
11 = 32+00 =					
10 = 20+00 =					
9 = 13+00 =					
8 = 11+00 Tree					
7 = 9+00 =					
6 = 5+00 =					
5 = 0+00					
4 = 6+58					
	0.95				
3 = 5+63					
(31°00') 0.52	0.44				
2 = 5+19					
1 = 4+00					

0+00 = ¼ S. Cor Bet. 14 & 23 as per Govt. B.T.s
8"x8"x18" – Creek Boulder 4'x 36" Cedar Stake

1°-00'
2°-00'
1°-00'
South
S00¼W

Void
this Survey
Discontinued
Land does not
belong
to Wollenberg.

Random Line

59
5.9

Oct. 31-18
Frear
Wollenberg
Morrison Ch.
Satley " "

2.55 P.M.
Vert. 19°-35'
Hor. 47°-54' Rt.
S48¼°W.
obs. at Sta. 5 – Sight 6

30.00
20.00
10.00

5
51°-57'
2.99 ch.
4

S. Umpqua River

10' B.O. – N. 6¾° E. 48 Lks.
24' W.O. – S. 55°-30' W. 36 "

Random thru ℄ Sec. 2

Sta.	Dist.	Lt.	Rt.	Mag.	C.C.
12 = 92+96					
1 30					
11 = 91+60	Stake is 2.66 ch. W. of true North Line				
10 = 89+23	Top Rd Regain true line				
9 = 88+53	" "				
8 = 85+01					
7 = 82+37	Top Ridge				
6 = 81+70					
5 = 80+73					
4 = 79+48		Off. 4 Lt.			
	18.75				
3 = 76+32					
	15.59				
2 = 74.165					
	13.435				
1 = 60.73					
=	60.73			North	N1°40'W
0+00 = ¼ Cor. Bet. 2 & 11					

(T. 30-4) H. + A. Wollenberg 369

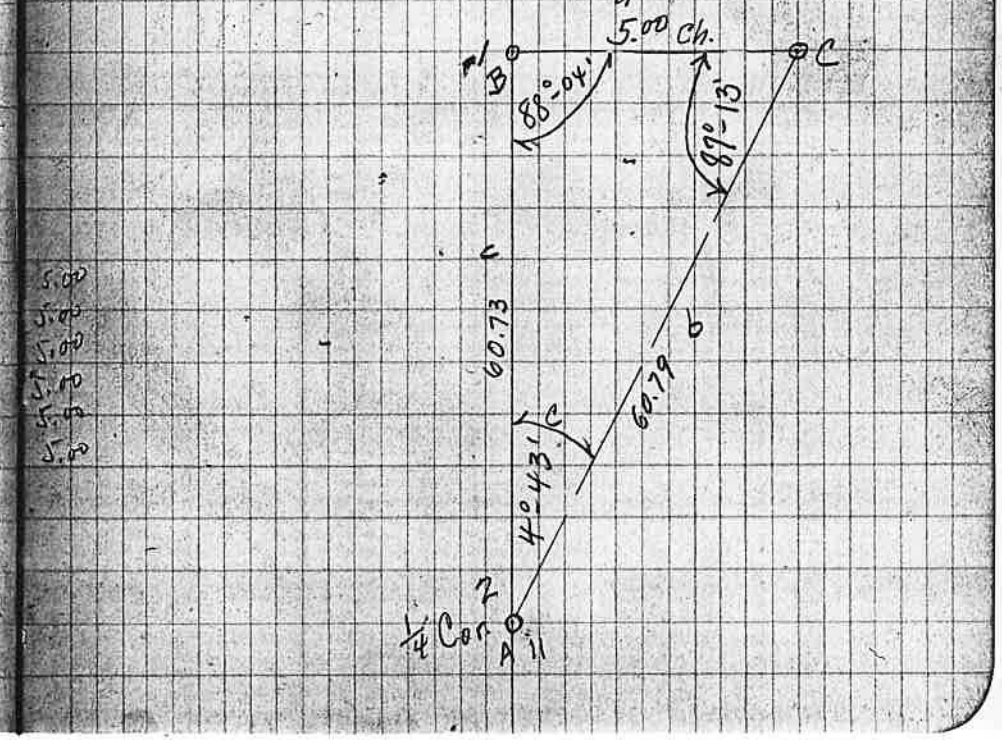
Nov. 1-18

at 2 - B.S. - 0+00

10.30 A.M.
Vert. 29°28'
H.A. 21°06' Lt.
S. 22½° E

Vert. = 29°42' = 29°28' + (00-16) - 02'
Lat. = 43°00'
Dec. = 14°21'
A = +.5320
B = +.3900
+.9220
S. 22°48' E

By Formula
Bear = S. 22°46' E



Random thru ℄

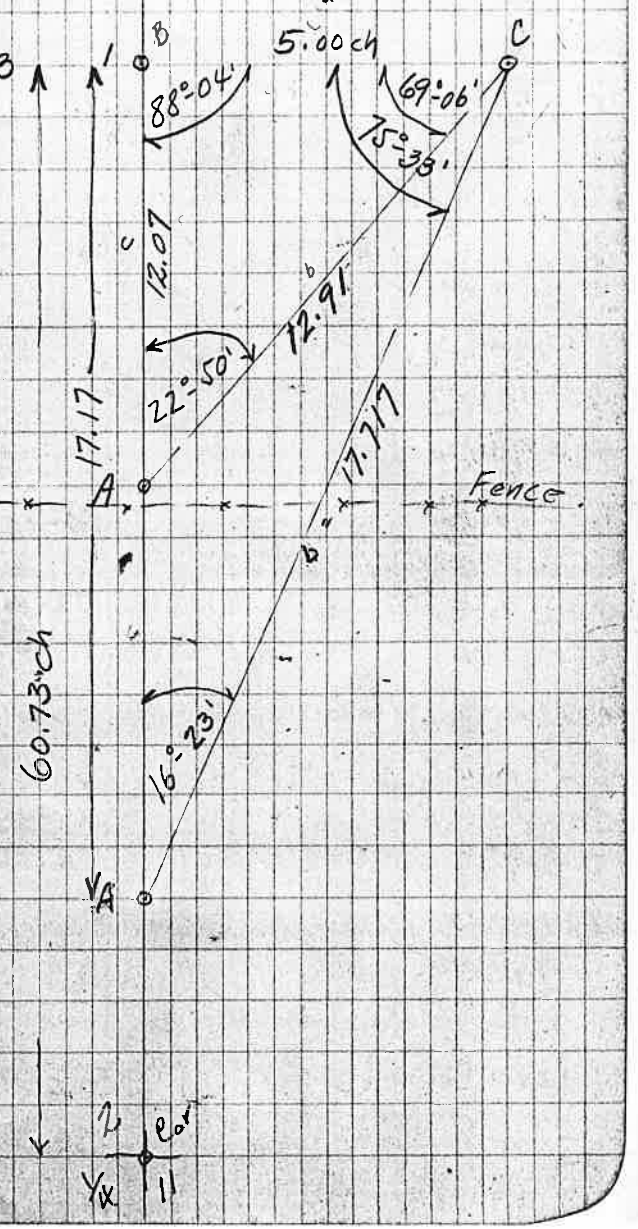
Sec 2-(T. 30-4)

Expense Acct. on Wollenberg Job.

Field Notes	$6.00
Fare to D. Creek	$1.93
Breakfast Riddle	.50
Fare to Riddle	1.25
" " Rbg.	0.75
" " Wollenberg	3.00 -2nd. trip

Nov. 1-18 Sec 2.

Frear
Wollenberg
Morrison
Safley
H. Wilson
A. "
C.T. "



Line Bet. Sec 1 & 2 - T. 30-

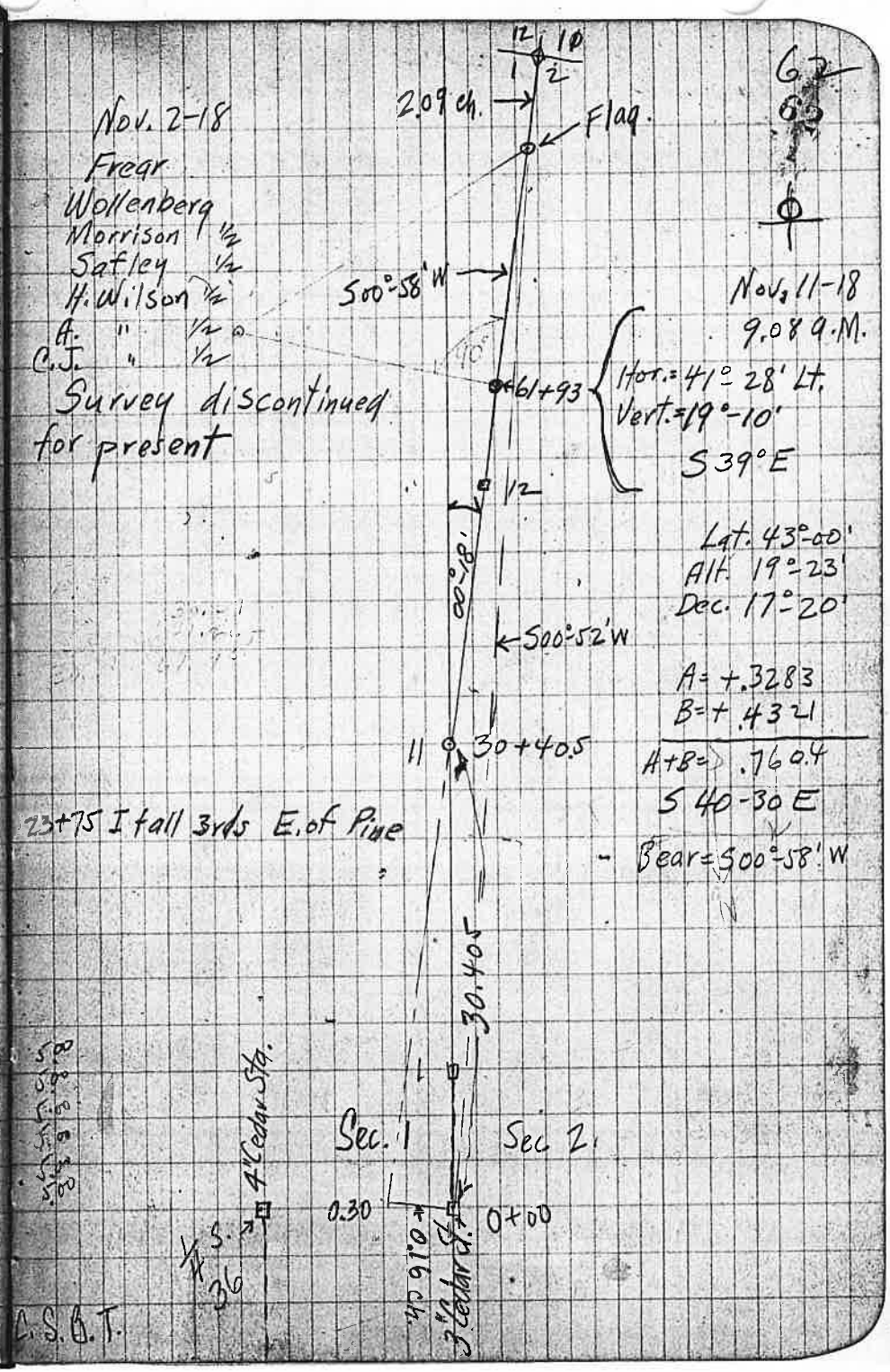
Sta.	Dist.	Lt.	Rt.	Mag.	C.C.
				91.55	
				51.66	
				39.89	
16 = Cor. 1-2-11-12	= 91+55	Call it 91.45			
	2.09				
15 = Flag = 89+46					
	27.53				
14 = 61+93					
51+66	→ 15 LK.		51.66 40.03 63 11 15		
13 = 40+03	Stake at fence 8.37				S.00-58' W
12 = 31+66	Here				
11 = 30+405			00°-18'		
10 = 28+00					
9 = 25+08					
8 = 22+78					
7 = 18+53				51° W.	
6 = 17+22					
5 =					
4 = 14+47					
3 = 12+93					
2 = 9+47					
1 =				South	

0+00 = Cor. | 82 Per | B.T. S. 75°E 43. LK - Stump 10" W.O.

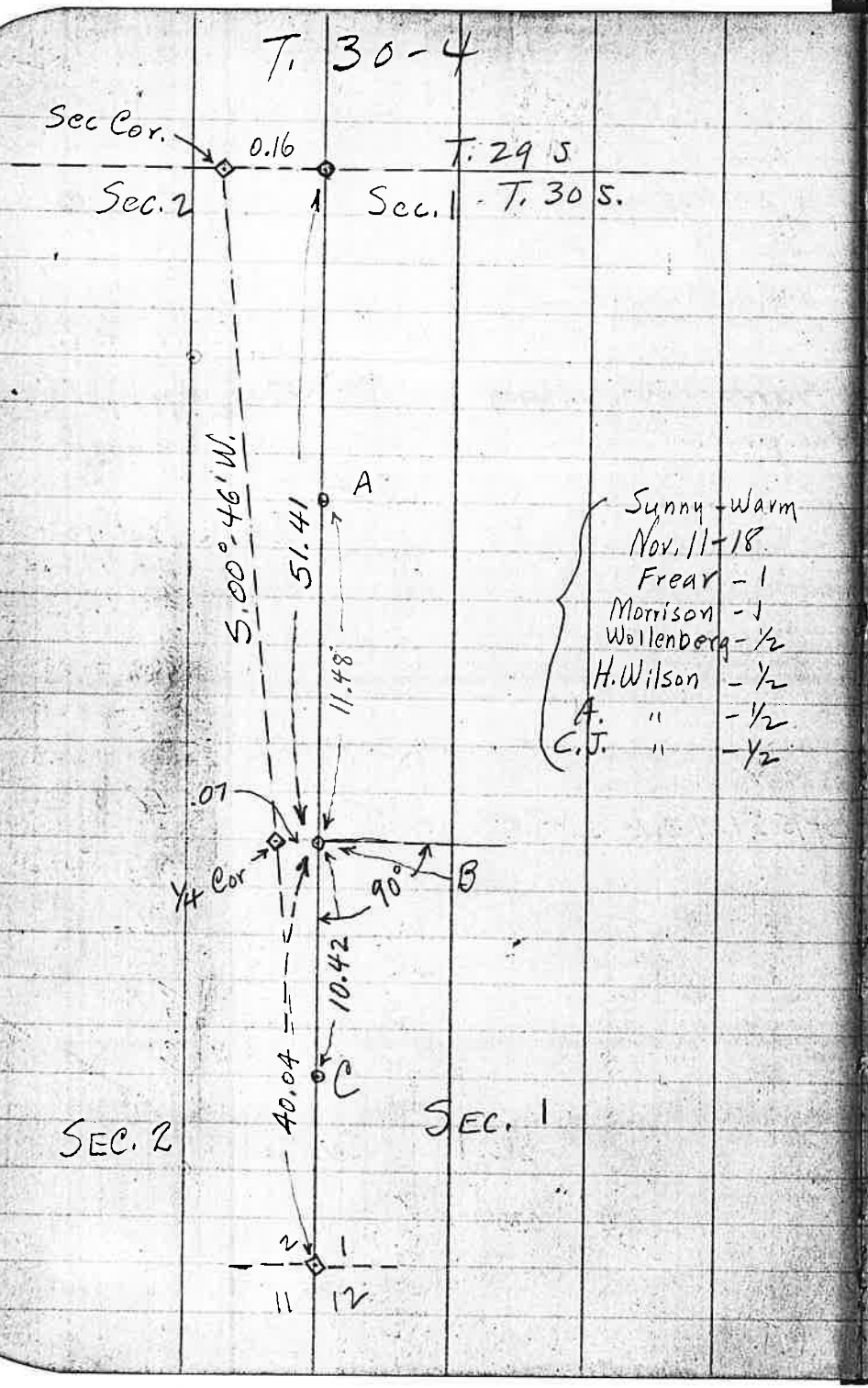
¼ Cor. S. Side Sec. 36 is 30 LK E

I Mark 40" W.O. N. 46° W. 56½ LK. for Cor. 1 & 2 C.S.B.T.

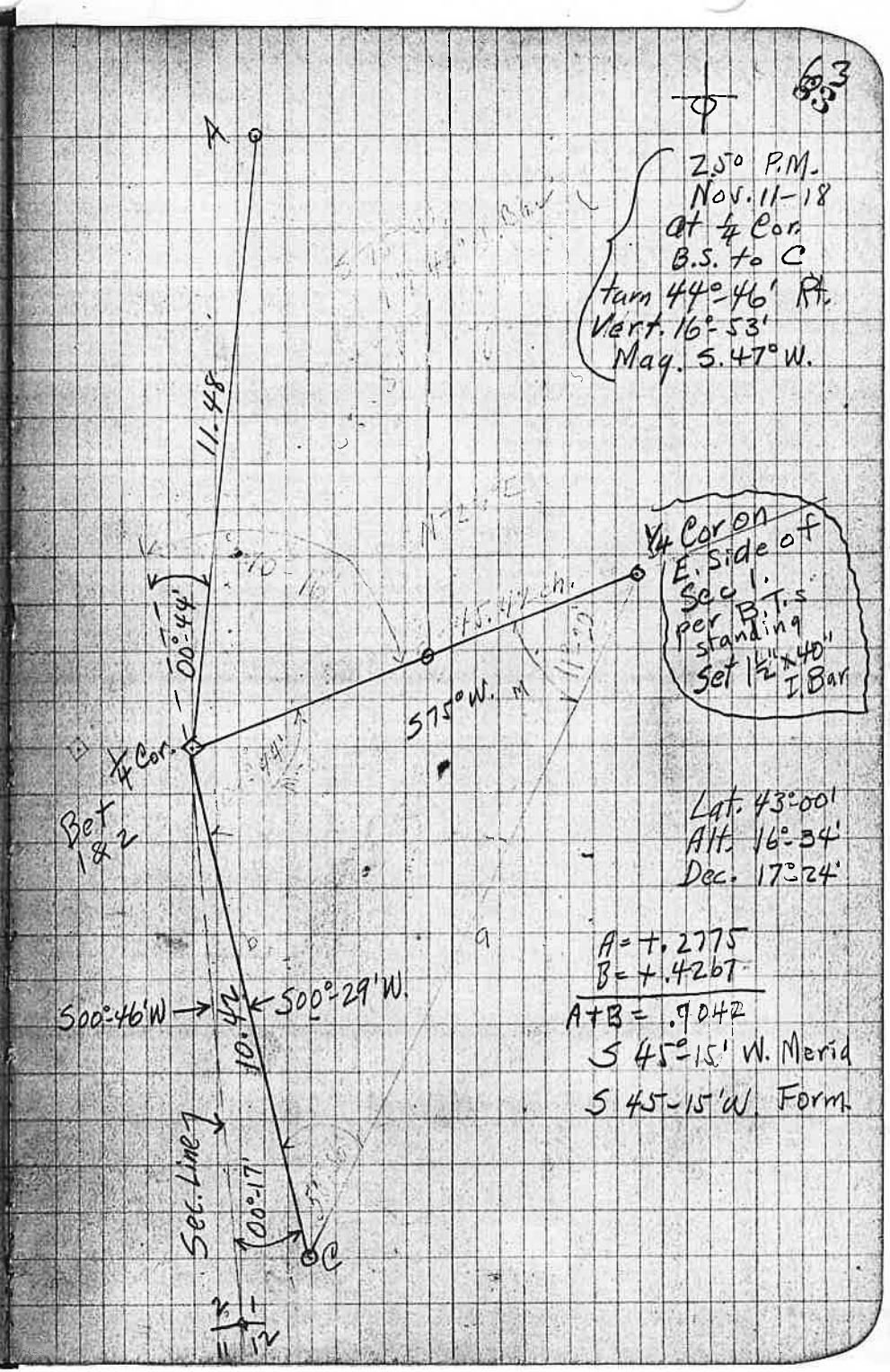
Nov. 2-18
Frear
Wollenberg
Morrison ½
Satley ½
H. Wilson ½
A. " ½
C.J. " ½
Survey discontinued for present



T. 30-4



Sunny - Warm
Nov. 11-18
Frear - 1
Morrison - 1
Wollenberg - ½
H. Wilson - ½
A. " - ½
C.J. " - ½



2.50 P.M.
Nov. 11-18
at ¼ Cor.
B.S. to C
turn 44°-46' Rt.
Vert. 16°-53'
Mag. S. 47° W.

¼ Cor on E. Side of Sec 1.
per B.T.S. standing
Set 1½" x 40" I. Bar

Lat. 43°-00'
Alt. 16°-34'
Dec. 17°-24'

A = +.2775
B = +.4267
A+B = .9042
S 45°-15' W. Merid
S 45-15' W. Form.

H. & A. Wollenberg

Nov. 12-18

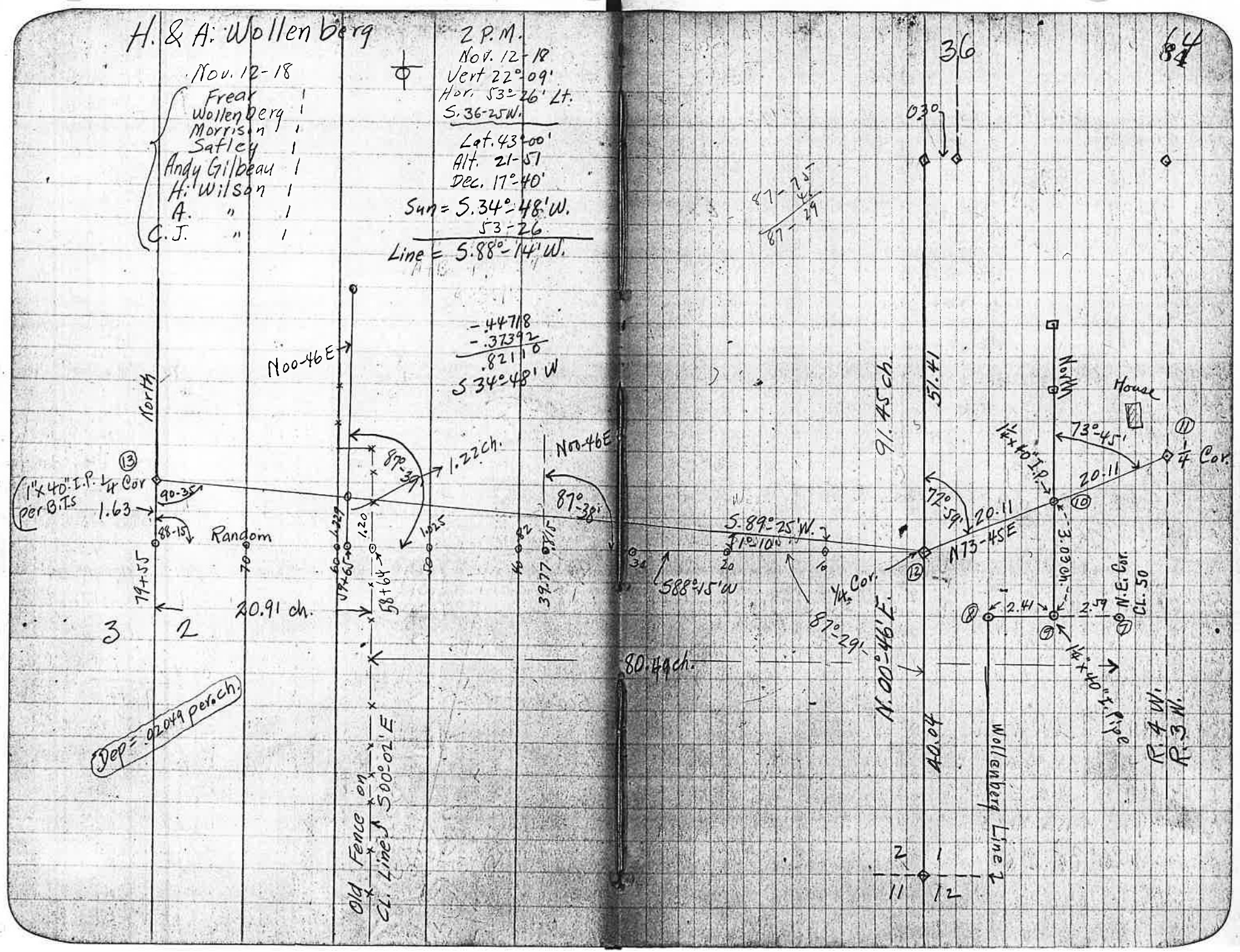
Frear 1
Wollenberg 1
Morrison 1
Safley 1
Andy Gilbeau 1
H. Wilson 1
A. " 1
C. J. " 1

2 P.M.
Nov. 12-18
Vert 22°-09'
Hor. 53°-26' Lt.
S. 36-25W.

Lat. 43°-00'
Alt. 21-57
Dec. 17°-40'

Sun = S. 34°-48' W.
53-26
Line = S. 88°-14' W.

-.44718
-.37392
.82110
S 34°-48' W



H. & A. Wollenberg. North Bet Sec's 2 & 3

65
55

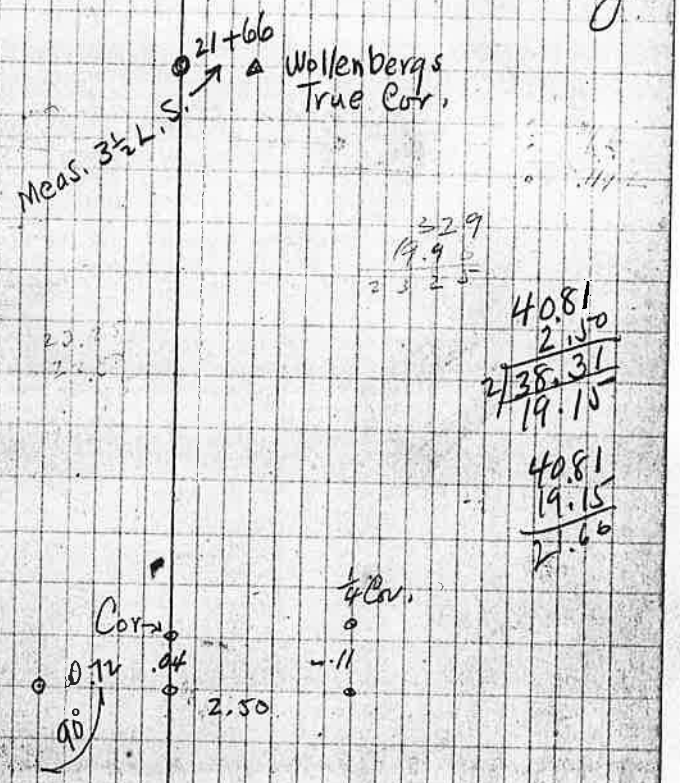
Nov. 13-18
Same Party.

Sta.	Dist	Lt.	Rt.	Mag.	C.C.
9 = 23+25					
+(32°) - 2.19 =	1.86				
8 = 21+39		.034 meas. S.			East.
+(29°) - 1.64 =	1.43				
7 = 19+96		.028 meas. S			
6 = 16+36		.01 meas S.			
5 = 14+61		.00½ LK. meas South			
4 = 13+46	O.K. on Line				
3 = 9+15		.01 Meas. N.			
2 = 6+91		.02 " N.			
1 = 5+25		.02 " N			
2+50 I fall .07 ch. S. of Cor.		-.03 Meas. N.			
0+00 = Cor. 2 & 3	-	.04		90°-00'	East.

54+04 ch. I Fall 0.72 ch W. of Cor. 2 & 3 (Dep = .0133)

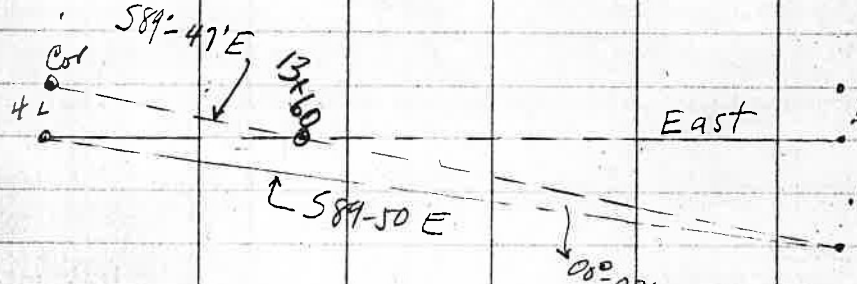
6 =
5 =

4 = 19+90	.264 Meas E.				
3 = 18+13	.241 Meas E				
2 = 14+69	.195 ch. E				
1 = 11+37	.15 ch. Meas E				North
0+00 = ¼ Cor.	Bet. 2 & 3				



H & A. Wollenberg

Sta.	Dist	Lt.	Rt.	Mag.	C.C.
17=40+81	I fall .119 Lk North of Cor. 35 & 36				
	5.84			1°-10'	S88-50E
16=34+97	.094 L. South				
15=28+74	.066				
14=28+32	.065 L. Meas S.				East.
13=27+10	.059				
12=26+54	.057 L.S.				
10=23+84	.045 L.S.				
9=23+25	.042 L.S.				



40.81
13.60
27.2
.119000
108811
10206
8160
20400
19044
.0437

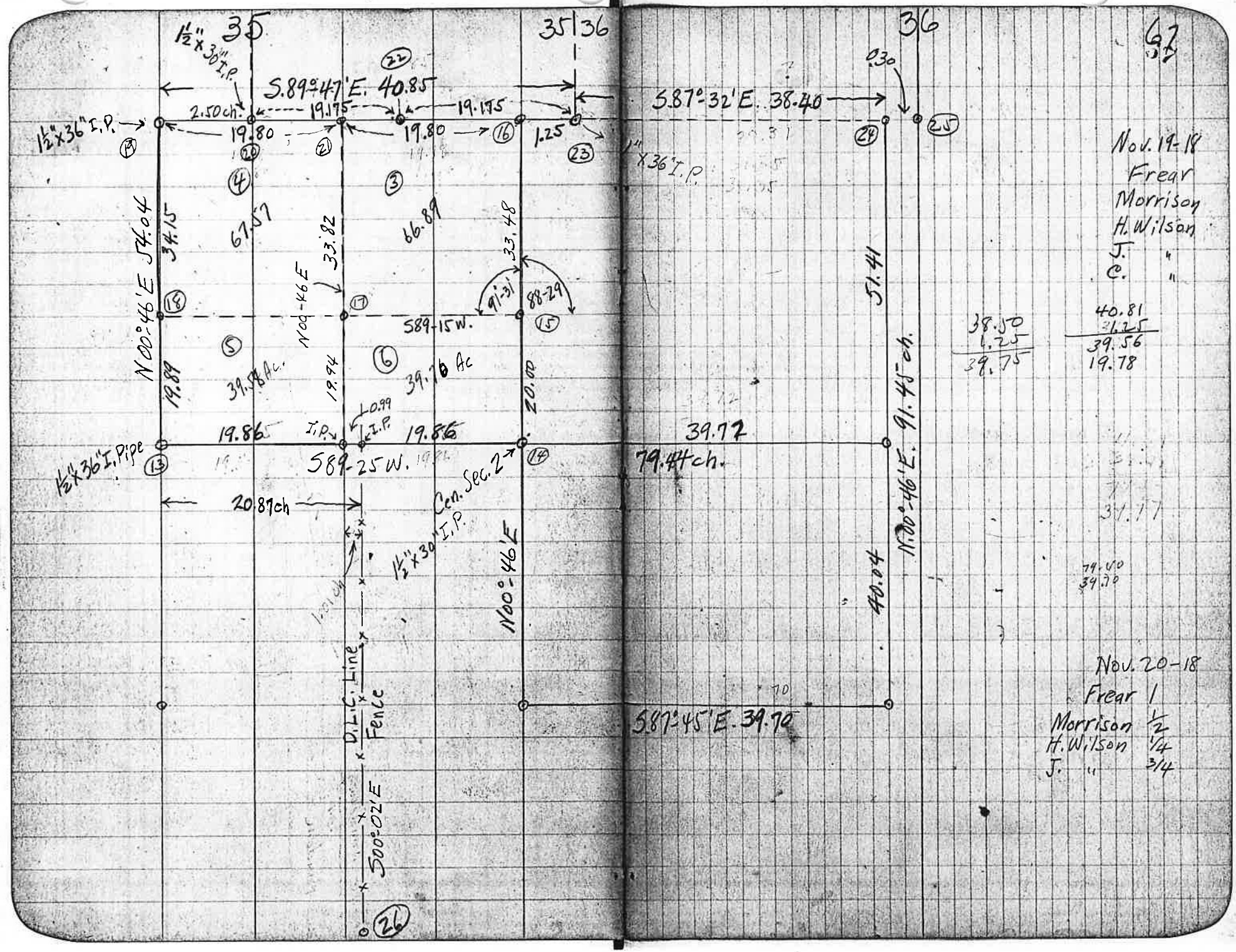
66
56

Nov. 14-18
Same Party
Rainy
1 day

Rate .00437



2.50
2.50
2.50
2.50
2.50
2.50
2.50
2.50
22.50
100
True Random
.04
Random



67

Nov. 19-18
Frear
Morrison
H. Wilson
J. "
C. "

38.50
1.25
39.75

40.81
.625
39.56
19.78

Nov. 20-18
Frear 1
Morrison ½
H. Wilson ¼
J. " ¾

Corners

No. 16 ¼ S. on N. Side Sec. 2 - 1"x36" I. Pipe — {Can 8" Fir S. 45¾° W. - 5 Lk
" 20" " N. 45° W. - 15 Lk.

No. 17 - 1/16 Cor. 10" Madrone Bears South ½ Lk. — Set. 1"x 30" I. Pipe

No. 7 - N.E. Cor. Sec. 50 - As per Alder B.T. marks Plain — 4"x60" Cedars Stake

No. 9 - 1¼x40" I. Pipe

" 10 - 1¼x40" I. "

" 11 - 1½"x40" I. Bar for ¼ Cor. Per. Govt B.T.s. — Both Standing O.K.

" 12 - 4"x 40" Cedar Stake for ¼ Cor.

" 13 - 1"x40" I. Pipe " ¼ " per Govt — B.T.s O.K.

" 14 - 1½"x30" I. " Center Sec.

" 15 - 40" Double Barell Rifle Barrell

" 18 - 2"x48" I. Pipe

" 19 - 1½"x36" I. " Cor Sec. 2+3 N.W. - Per Govt — B.T.s O.K

" 20 - 1½"x30" I. " ¼ Cor. S. Side Sec. 35 — 1½"x30" I. Pipe Per Govt B.T.s O.K.

" 21 - 1½"x30" I. " & 4"x40" Fir Stake ¼6 S. or — N.E. Cor Sec. 4

" 22 - 1½"x30" I " & 4"x40" Cedar " ¼6 S 35

" 23 - 1"x36" I " Cor. 35 & 36 on Tp. Line — As per Govt. B.T.s See P. 58

" 24 - 1½"x36" I. " Cor Sec. 1+2 — See. P. 62

" 25 1½"x36" I. " ¼ " S. Side Sec. 36 — " P. 62 -

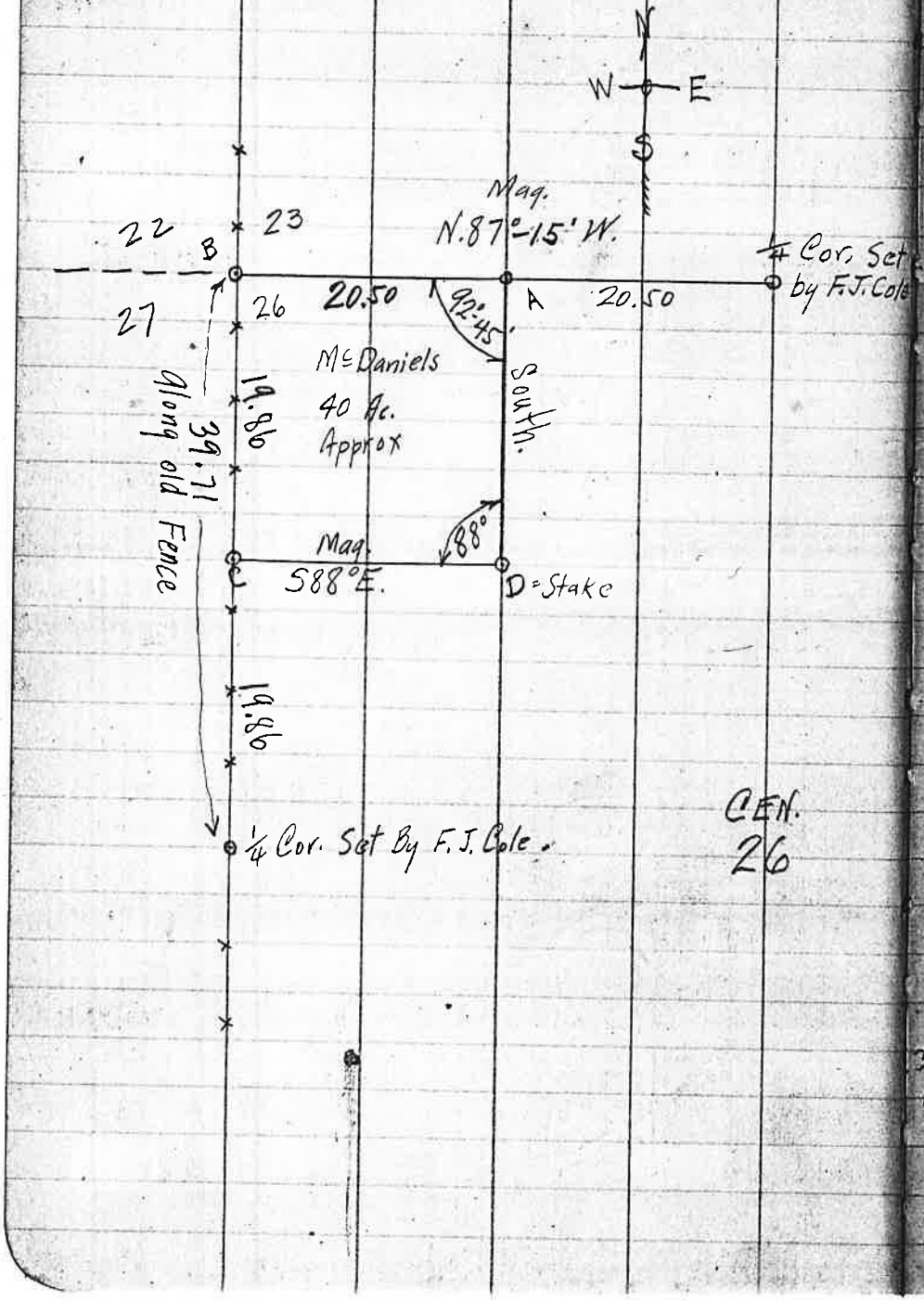
" 26 - 1½"x36" I. " for N.E. Cor F.D. Worley Cl. 49 Set at New 4" Cedar Stake
with 40" Fir B.T. probably set by C.S. - Tamel gone but stump still in.

Johnston & McDaniels Survey - Sec. 26 - T. 28-7

70
70

Nov. 6-18

Frear
Johnston
McDaniels
Howard
Miltmore



Notes

A = 1/16 S. Cor - 1"x24" G.I.P.
a 10" B.O. N. 9°-05' W. - 22½ Lk. ¢ S.B.T.

B = 1"x1"x24" I. Bar Cor. Sec 22-23-26-27
as Per Govt. B.T.s.

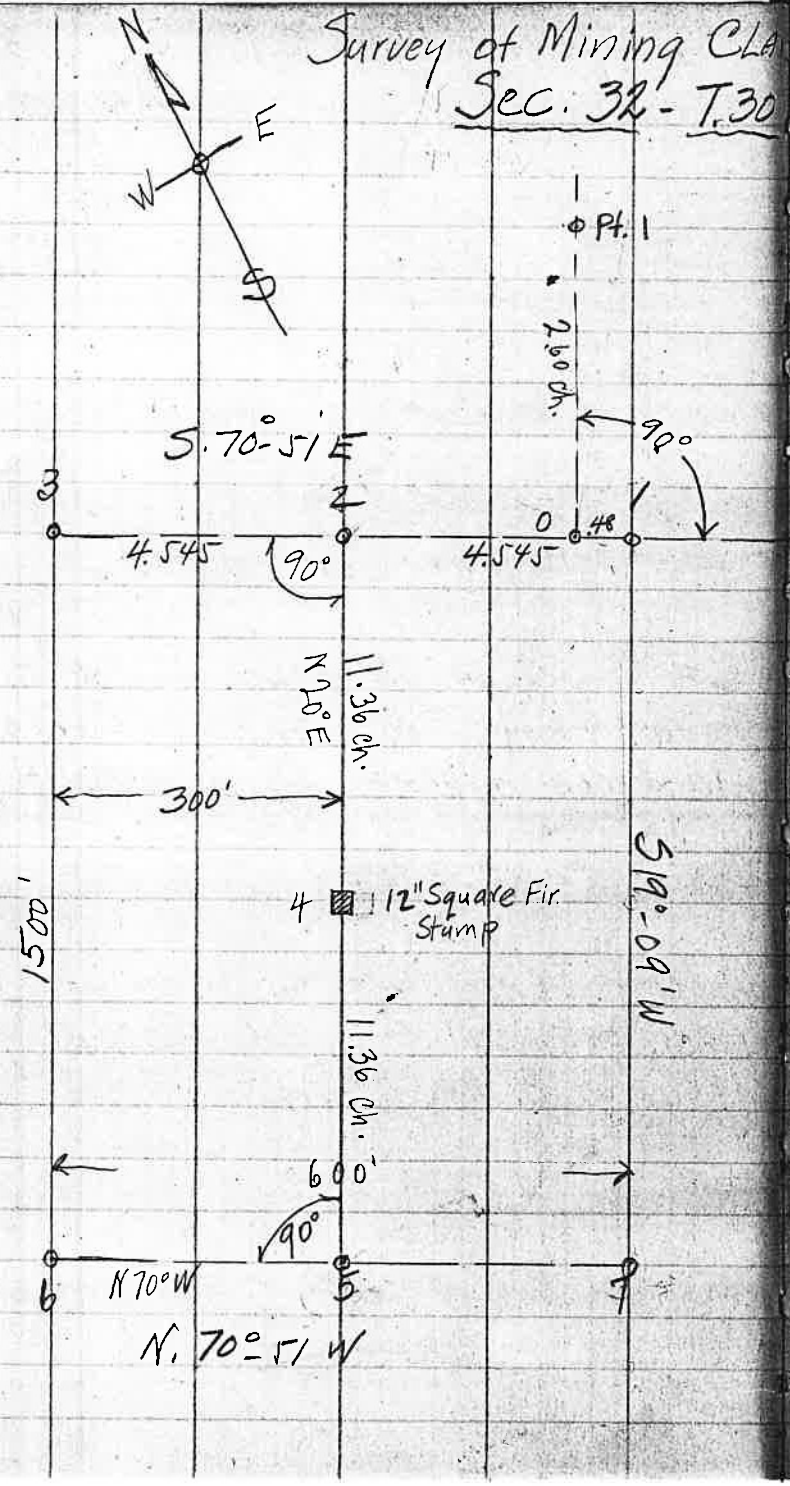
C = Pt. set on old fence ½ the dist. meas. from Sec. Cor. to ¼ Cor. along old fence claimed by Johnston to be on line

D = Stake as shown

¼ Cor. on N. & W. side of Sec. 26 was set by F.J. Cole Recently and Stake's & B.T.s Plain.

39.71 - 19.86
9.71
10.00
10.00
10.00

Survey of Mining Claim for F.T. Reynolds in Sec. 32 - T. 30 - R. 4



Nov. 7-18 71

Cor. 1 - 6" x 50" Fir Stake

Cor. 2 - 8" x 50" Fir Post

Cor. 3 - 6" x 50" " "

Cor. 4 - 12" Sq. Fir Stump 5 ft High

Cor 5 - 6" x 62" Madrone Stake

Cor 6 - 6" x 50" Ewe Stake

Cor 7 - 5" x 50" Fir Stake

Lat = 42°-55'
Alt. = 16°-51'
Dec = 16°-16'
Sun = S. 47°-02' W
27-53
Line = S. 19°-09' W.

Frear
Reynolds
Alward
Tiller

Nov. 8-18
Same Party
with Hutchinson

Thurs. Nov. 7

3. P.M.
Vert. 17°-10'
Hor. 27°-53'
S. 47 3/4° W.
Sight on ℄ Claim
turn 27°-53' Lt.

Expense Acct

Fare to Riddle	.93
" to Days Creek	1.25
B. Riddle	.50

Traverse of Tie Line for Cor. 1 of F.T. Reynolds Mining Cl.

Sec. 32 – T. 30-4

Sta.	Dist.	Lt.	Rt.	Mag.	C.C.

Survey for Chas. Newman D.L.C. No. 37 – (T. 30 – 3)
& H.H. Horton — Sec. 29 —

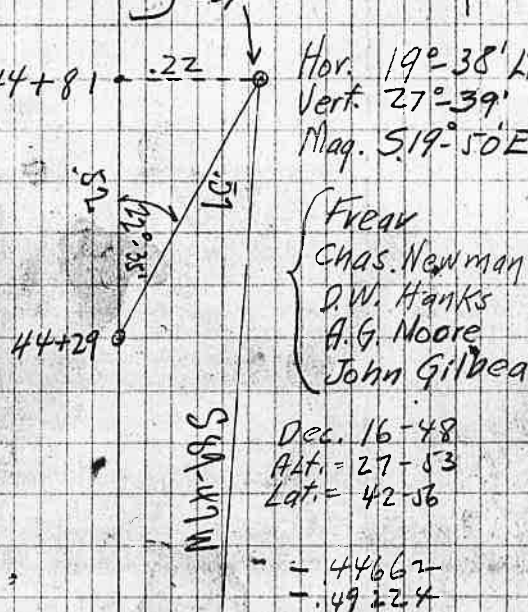
73/73

Sta.	Dist.	Lt.	Rt.	Mag.	C.C.
L Cor. CL. 37 - as Per old B.T.s. Fir & Maple Marks Gone					
	0.57		22°-35'		
14=44+29	.221	Meas. N.			
13=43+28	.216	"			
12=39+08	.195				
11= 31+76	.159				
10=27+83	.139				
9= 26+57	.133				
8=23+00	.115				
7=20+39	.102				
6=18+27	.091				
5=15+55	.078				
4=14+17	.07				
3=10+38	.052				
2=9+13	.045				
1=5+64	.028	N.			
0=D.L.C.Cor.				West.	S89°-30'W
			90°-00'	.007=dep.	
4 = 14.60	I Fall	0.102 LK. W. of N.E. Cor. D.L.C. No. 37			
3= 7.54	.053	Meas. E			
2 = 4.67	.033				
1 = 3.91	.027			North	N00°-30'W
0+00 = ¼ Cor. Bet. Sec. 28 & 29				Rock set by	"Germond"

12" Alder C.S.B.T. 0.74
S62½°E

10.45 A.M.
Sat. Nov. 9-18

Set 2"x36" G.I. Pipe from which
12" Alder C.S.B.T. CL. 37
Bears S.62½°E. – 0.74 ch. Cor



Dec. 16-48
Alt. = 27-53
Lat. = 42-56

= .44662
= .49224
= .93886
Ø = 20°-08'
Sun = S. 20°-08' E
19-38
Line = S 00°-30' E

I. Pat as per Govt. B.T.s and 2"x30" Cast. I. Pipe for Cor

Expense Acct
2 Meals & B. at Hutchinson = $1.50
Auto to work = $1.00

Survey for Chas. Newman & H.H. Horton Sec. 29 - D.L.C. 37 - T. 30 - 3

74/4

Sun. Nov. 10-18 9 days 10 00
Rainy Record 1 00
Same Party Plat .50
11.50
Notes Copying 1.25
Outs 1.00
2M. + B. 1.50
Total - $ 15.25
1/4 Harlows or 3.81
Newmans = $ 11.44

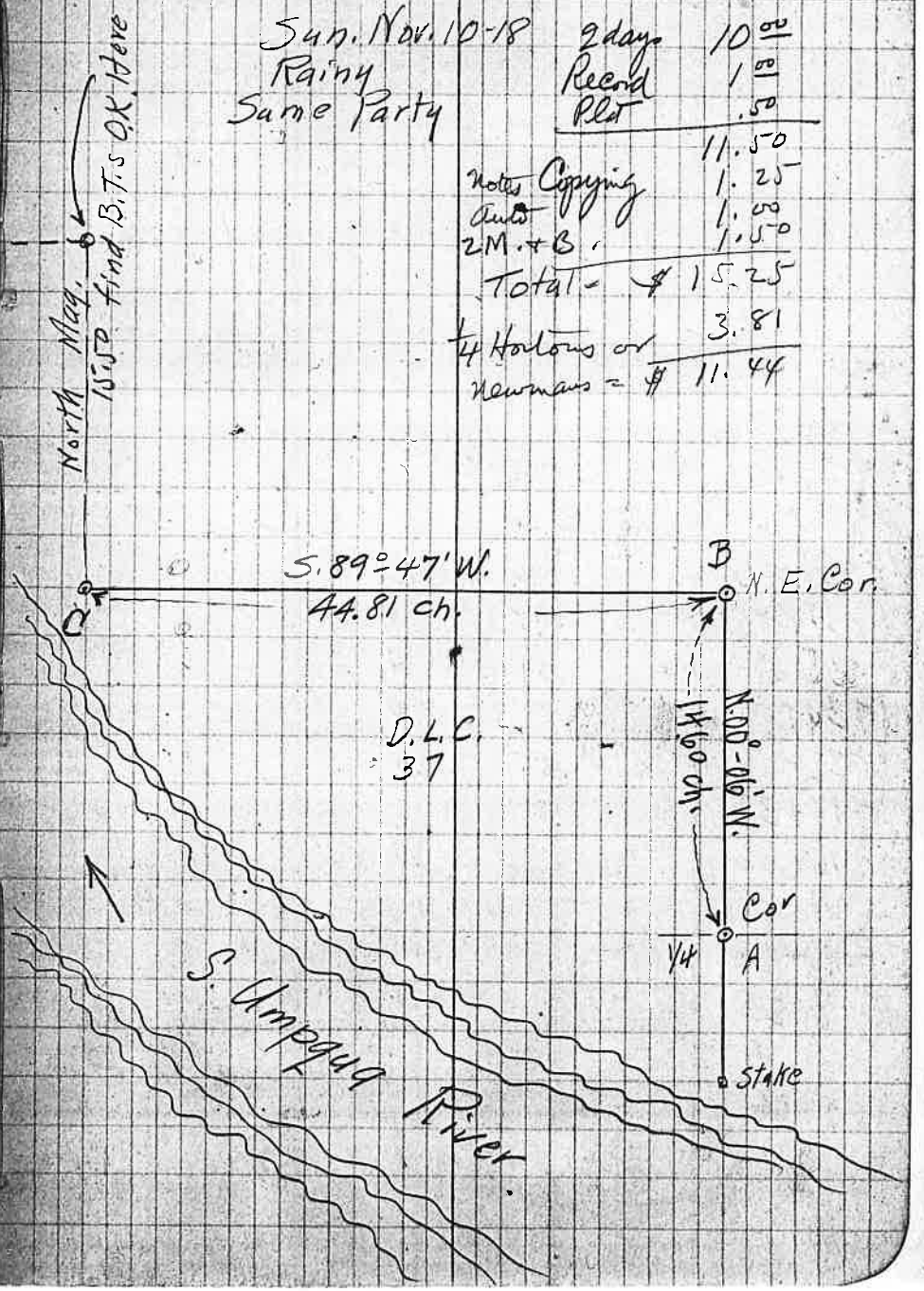
1/4 Cor. Set by Germond = A

B = D.L.C. 2"X 30" Cast I. Pipe for N.E. Cor Cl. 37 this Line A.B not chained as I could balance in - Both B.T.s O.K.

C = L. Cor Cl. 37 - 2" X 36" G.I. Pipe
12" alder C.S.B.T. S. 62½° E 74 lk
I identify this cor by Maple & Fir B.T.s marks gone but some of blaze left on Maple, Dennis Hawks claims to have seen marks on fir. I run magnetic line north to verify these trees and at 15.50 I find Fir B.T.s. which prove beyond doubt that Hawks is correct in his assertion that fir is the B.T.

Bearings given are true Dec
Bearings of Chaining post inexplained
Mem

North Mag. 15.50 Find B.T.s O.K. Here



Survey for W. E. St. John — Andrew Thomas D.L.C. 48 (T. 30-4)

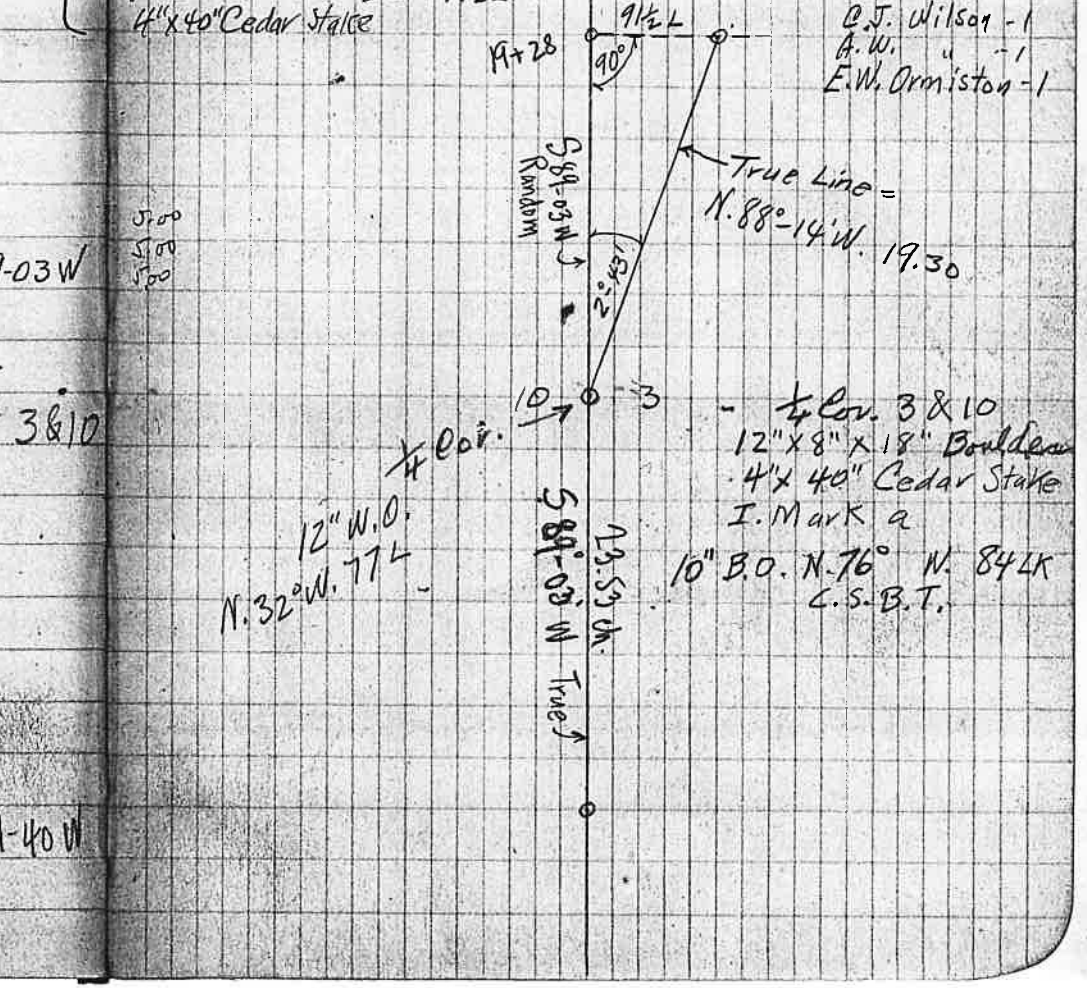
Sta.	Dist.	Lt.	Rt.	Mag	C.C.

W. E. St. John D.L.C. 48 - T. 30 - 4

Sta.	Dist.	Lt.	Rt.	Mag	C.C.
	.04746 Per Ch.				
7 = 19+28	I Fall	91½ Lk. South of N.W. Cor. CL 48			
6 = 16+78	.796				
5 = 14+05	.667				
4 = 11+48	.545				
3 = 9+55	.453				
2 = 5+02	.238 L	Meas N.			
1 = 2+40	.114 L	Meas N.			S89-03W
0 = ¼ Cor. Bet. S. 3 & 10		.0225			
H = 23+53	I fall	0.53 ch. N. of ¼ Cor. Bet 3&10			
3445	3.865				
3 = 19+68		.443 Lk. Meas S			
	3.69				
2 =					
	5.67				
1 =					
	4.195				
0+00					N89-40W
	6.13				
Cor.	23.550				

N.W. Cor. CL. 48 - ¾" x 48" G.I.P.
Per Old B.T. nearly gone marks
Plain I mark
8" Madrone N82½°E 17½L
4" x 40" Cedar Stake

Nov. 21-18
Frear-1
Morrison-1
C.J. Wilson-1
A.W. " -1
E.W. Ormiston-1



W. E. St. John Survey of Andrew Thomas D.L.C. 48

T. 30 - 4

N.W. Cor. CL. 48 - 3/4" x 48" G.I.P. - 4" x 40" Cedar Stake - Per old B.T.
New C.S.B.T. 8" Madrone N. 82½° E. 17½ Lk

¼ Cor. Sec. 3 & 10 - 8" x 12" x 18" Boulder - 4" x 40" Cedar Stake.
Old B.T. - 20" W.O. N. 32° W. 77 Lk.
New C.S.B.T. 10" B.O. N. 76° W. 84 Lk.
Bearings true Sun.

SEC. 3

N.W. Cor. D.L.C. 48

N. 88° 14' W. 19.30 ch.

Cor

SEC 10

D. L. C. No. 48

N

W — E

S

3.53
1.9
3.34

3.34

Old Stake & B.Ts.

N.W. Cor. CL. 49
Stake & B.T. By Cain

Not chained

N 1° 06' E.

4.16 Ac

N. 00° 11' E. 12.10

Nov. 22-18
Frear ½
Morrison ¼
E.W. Ormiston ¼

4" x 40" Cedar St.

20.00

3.53

91° 08'

589° 03' W. 23.53 ch.

N.E. Cor. CL. 48
1" x 48" G.I. Pipe

Days Creek

S 00° 02' W. 46.80 ch

S.E. Cor. CL. 48
Stake