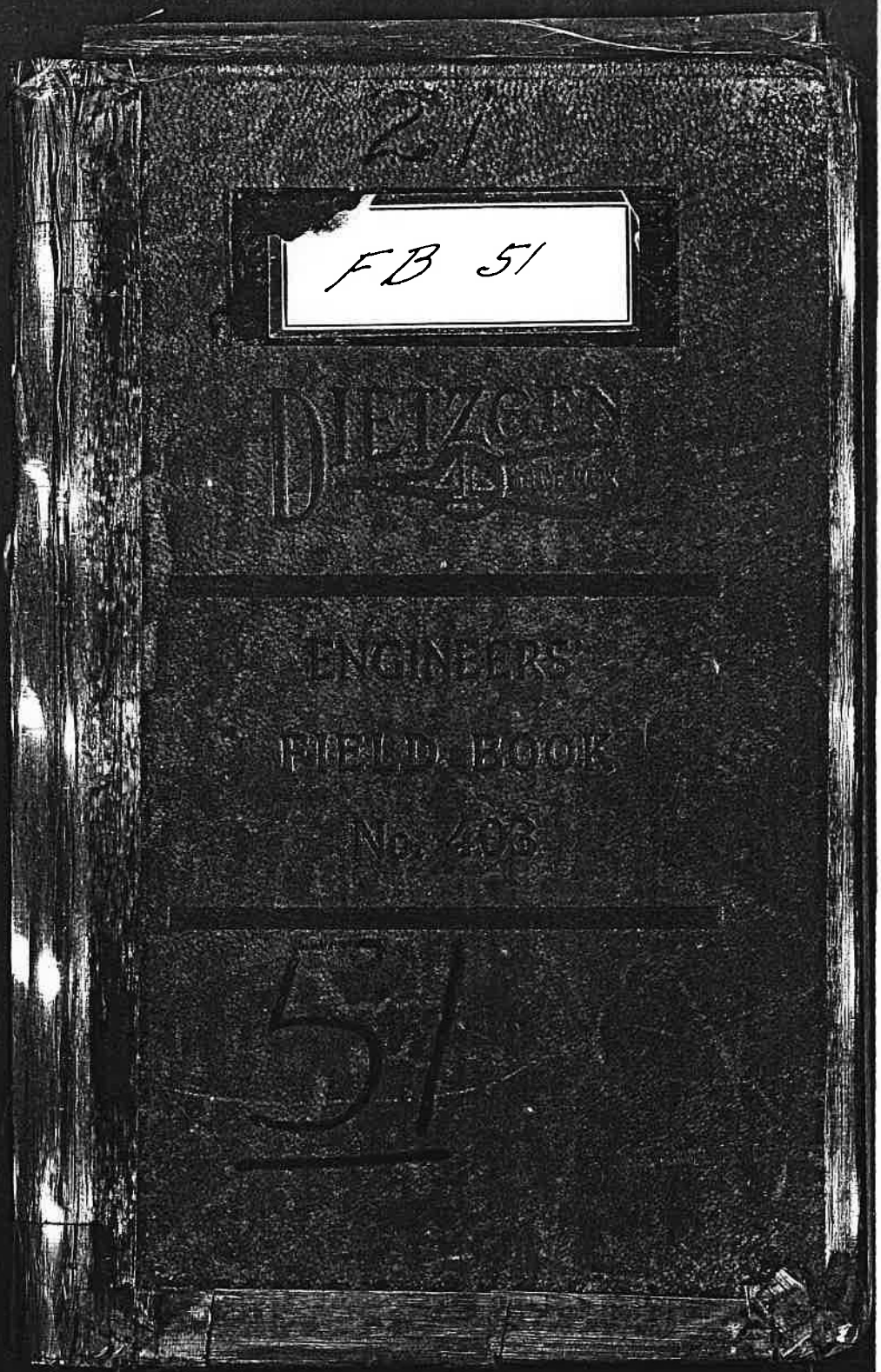
Field Book # 51


FB 51
DIETZGEN
ENGINEERS
FIELD BOOK
No. 408
51

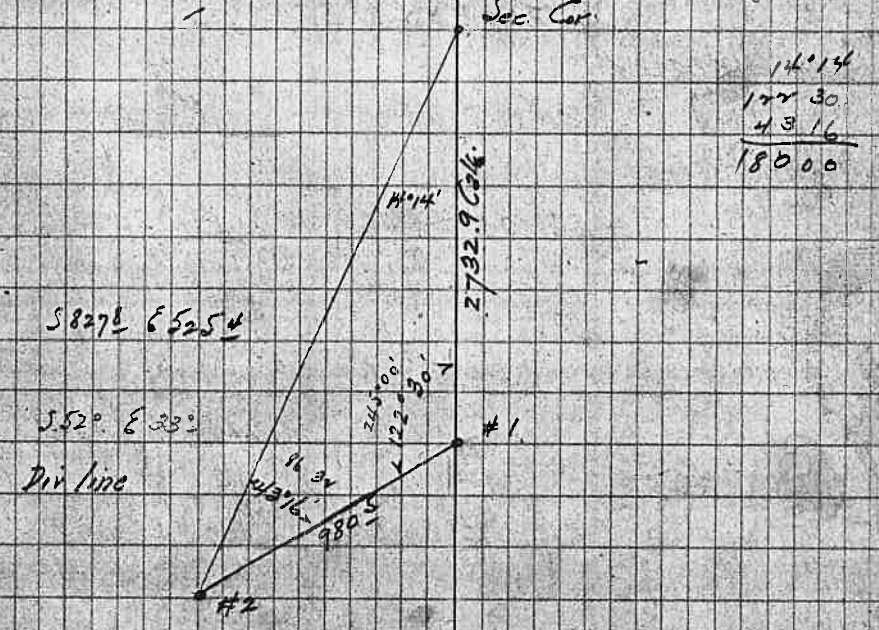
Sept 61.

Survey for W.S. Hamilton to find the E + West div line but the N + S. Haloes of the James Watson claim

I began at the Cor. of Secs 29+30+31+32 T26S R30 and found all bearing trees standing 2 offset 12 ft North and Ran S89°54E to a point on Sec line as designated by fence between Shum and Mathews

Sec Cor = 0				
		S89°54E		2732.9
1	R57°30'			
		S33° E	S32°24W	980
2	0°00'			
				616
3	L57°47'			
		N89°20E	N89°49E	523
4	0°00			
				2944
				11 71
5				

Var 20°E 06. Assumed.



Det. large stake + Mound of Rock

V

Wollenberg Marks Survey Cont'd from Book 20 page 61

15B					
		N40°15W	N40°13W		
16B =	261°24' R130°43'				16B = N.W. Cor. Cl 43 ?
				-12°40'	
		East	S89°30E	2918	2847
17B	27°00' L13°30'			+4°45'	
		N76°45E	N77°00E	185	184
				17° 1172	117
18B	R 71°24' L35°42'				
			S67°18E	66	66
19B	21°40' R10°50'				
		S57°00E	S56°28E	-10°15' 2715	267
20B	104°52' R52°26'				
		S4°20E	S4°02E	+7°30' 943	935
21B	9°35' R4°48'				
		S2°10'E	S0°46W	-11° 3000	2944
				-7° 1682	167
22B	3°23' L1°42'				
		S0°45E	S0°56E	3000	
				5° 2468	2457
23B	0°59' R0°29'				
		S1°30'E	S0°27E	-2° 3000	2998
				-2° 3000	2998
				3000	3000
				4° 3000	2993
				3000	3000
24LB					

5:00 PM 4/28/21
8:30 AM 4/29/21
Cole
Smick
Goodman

24 B.	0°13' R 0°06'				
		S 0°40 E	S 0°21 E	-4° 300.0	299.3
				-7° 300.0	297.7
				2° 300.0	299.8
				690.1	690.1
25 B = 33 C.	178°50' L 89°25				
			S 89°46 E		

Error 4'

Due to Lapid Co. to Secs. 21-22-27-28
Set at 32 C. F.S. 31 C.

32 C.	L 51°19'				
		N 39°45 E	N 39°01 E	300.0	
				1367'	

No sign of trees to be found.

Line (E) around South portion of Ranch Begin at 32 C. B.S. 31 C. thence South along County Road

32 C. = 0	182°43' L 91°22				
			S 1°02 E	300.0	
				2248	5248
1 E.	2°03' R 1°01'				
		S 0°30 E	S 0°01 E	-2°30' 300.0	2991
				4° 300.0	2997
				5° 300.0	2989
				5° 300.0	2989

9' L of E 38' Road

4

				900° 27095	8999
				6128	6128
	Tie for	Cor. to Secs			
2E	191°29'				
		N87°40E	N88°30E	1090°	1090°
⊙	R91°30				
		S0°40E	South	377°	377°
⊙	R36°56'				
		S36°30W	S36°56W	-6°15 1244	1236
⊙ Sec Cor					

To Sec. Cor. 27+28 - 33+34

Renwd. this Cor. from one orginal scard. also by tie to Meander Cor. trees N 47 E which is alive but on shell Set an oak post which A.W Oak 10" dia N 50° W A.J oak 15" dia N 77°40 E 183 5

B.T which is alive standing and bearing which I located from one of its Bearing trees all decayed out scribe marks above and mound of Rock. for. Sec Cor. from 47° ft. A.W. Oak. 10" dia S 38°W. 54± ft Orginal B.T. S 67 1/4 E 174± ft.

Continue South on Co Road

2E	0°00				
			S0°01E	5201	
3E	157 23 R78°47-				
		S77°30W	S78°40W	1649	
4E	22 40 R11°20				

74' East of 4th St Road See detail page 6

477 along this course and 11 South Set Iron pipe 1" x 1"

Tie to SE Cor. Plat. E

4E				
		S89°15W	West.	47±
5E	L 68°20			
		S21°40W	S21°40W	196±
Ash. Tree				

Tie to SW Cor U.L.C. #4

4E				
			West.	
5E	L 13°14 (26°26)			
		S77°W		1060°
◎	L12°30			
		S64°30W		110°
Large Wank.				

Tie to Lot stake near SE Cor

5E				
◎	R0°54			
		S78° W		66°
Large oak Stubs				

Var 21°50E { To Small Ash B.T. SE Cor Roseburg Home Orch. Plat E

Continue Line (E) North from River along West side Wollenberg Ranch

4E					
5E	173°36' R86°48'				
		N3°00'W	N3°12W	990°	
6E	51' R3°26'				In County Road
		N0°10E	N0°14E	982.3	
7E					

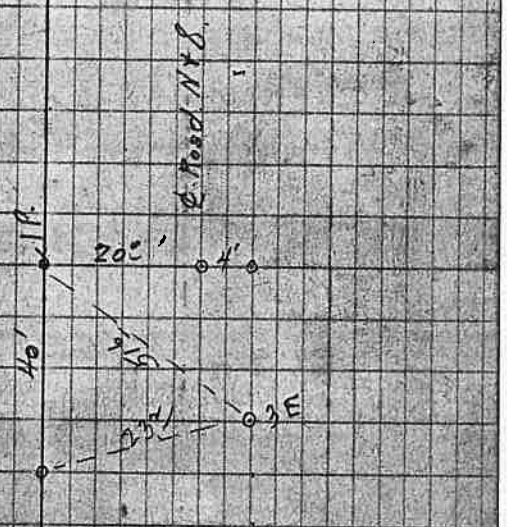
Line (F)

Pick up line South of NE Cor. Q40

Var 21°40

10:PM 4/30/21

T					
			S5°08E		
#2=0	11°34' R5°47'				
		S1°40W	S0°39W.	137.3	136°
1F	4°04' R2°05'				
		S3°40W	S2°41W	8°15 117°	115.9
2F	5°17' L2°38'				
		S1°23W	S0°06W	-20°39.3 300° 54.3	281° 294° 54.3
3F	L0°06'				
		S1°00W	South.	-13°15 300° 85.7	292° 85.7
4F	0°00'			-5° 300° 29.4	289' 29.4
			"		
5F					



5F	0°00'		South	163'	163'
6F			"	+7°15 1143	1133
7F			"	-7°30' 210°	208.3
				-7° 264.7	267.6
8F	114.36 L57°18'		S57°18E	+3°45' 240°	239.3
		S56°45E			
9F	L32°42			5°30 212°	211°
		S89°30E	E25'		
10F	L90°00			-8°30' 217.5	215.1
		North.	North		
11F	0°00'		"	75.8	75.8
12F	R90°00'				
			E25'	369.6	369.6
13F	180°27' R90°13	Tie to 1/4 Cor			
		S0°45W	S0°13W	+6° 255.5	254.1
1°	3° 11 L1°35'				
		S1°00E	S1°22E	+9°15' 235°	232°
2°	3°35' L1°48'				
		S2°40E	S3°10E	+20°29' 90.5	85.1
3°	24°33 R12°16				
		S9°30W	S9°06W	+10° 245.8	242.1
4°	L128°35	N61°E	N60°31E	327	327

-470.97

Measured 216.8 E Searched for NW Cor Cl 42
No Trace

N187.3 and W 22.9 to NE Cor. of School Lot

S14°30W 458 ft. To approx SW P.L.C. Cor. Cl. 42

8:30 AM 5/21/1931

Cor of Fence 20'E + 5' South

8 Bdg
also Cor. on S Road
20'E + 66 North.

11:30 5/21/21
8:30 5/10/21

1/4 Cor Sec. 28-29
1/2 Cor. Removed from Original B.T. to South
also standing and check Set without
also 1"x3' Pipe

			East			
13F	R 0°39'	1°18'				
		S88°40E	S89°21E	300.0	2999	
				279.6	279.7	
14F	L 3°34'	7°07'				Fence 10' R.
		N88°00E	N87°05'	247.2	246.8	
15F	R 4°18'	8°35'				
		S88°00E	S88°37E	188.8	188.8	
16F	L 0°15'	0°29'				
		S88°30E	S88°52E	270.0	269.0	
				262.7	262.3	
17F	R 25°54	51°48				Angle in fence 4' Right
		S62°30E	S62°58E	300.0	299.8	
				600.0	600.0	
				25.5	25.5	
18F	0°00'					
		S62°45W	S62°58E	201.3	201.1	
19F	R 61°10'	122°20'				Angle in fence South 12' + West 7'
		S1°30E	S1°48E	300.0	299.0	
				300.0	299.4	
				14	14	Fence (Rail) 19' Right
20F	R 1°28	2°55				
		South.	S0°20E	300.0	299.7	Fence 19' Right
21F	0°00'			111.8	111.8	

9

			S0°20 E	312.1'
22 F = 7E	1005 R.0°33.			
		S0°15W		
			S0°13W	

(S0°14W Previous) error 00°01'

Tie for N.E Cor. Hanna DLC

Pick up. line at. 30 c.

Run S.89°40 E. 791.4

589°40E 628.6

∠ 90°23

N.0°03.W to. fence intersection at 1/4 Cor.

Hub. 1' East of N+S Fence. 2 South of E+W. fence.

Cool - Cloudy

8:15 5/11/21

Tie to NE Cor. L.C. 61

Line 6

N 5351 E 3574					
(10 C.)	31° 19' L 15° 40'		N 0° 38' E	+21° 30'	
		N 15° 00' W	N 15° 02' W	189.9	176.7
(1 G.)	21° 05' R 10° 33'				
		N 5° 00' W	N 4° 29' W	+28° 30' 300.0 1.6	263.6 1.6
2 G.	3° 32' L 1° 46'				
		N 5° 00' W	N 6° 15' W	+21° 30' 137.0	127.5
3 G.	16° 54' L 8° 27'				
		N 15° 00' W	N 14° 42' W	+10° 40' 300.0 66.3	294.8
4 G	42° 03' R 21° 02'				
		N 5° 40' E	N 6° 20' E	-3° 15' 300.0	299.5
				+10° 20' 300.0	295.1
				57.0	57.0
5 G	22° 39' L 11° 20'				
		N 3° 10' W	N 5° 00' W	1496.8	
6 G					
	34° 18' R 17° 09'			+30.15'	
		N 9° 30' E	N 12° 09' E	80.9	80.7

Old fence Cor. 26' South and 46' East of (10 C.)

Var. 20° 45'

N 1706 E 1458

N 5521.9 E 3528.8

2644 207

N 5786.3 E 3508.1

1263 139

N 5913.0 E 3494.2

3498 91.8

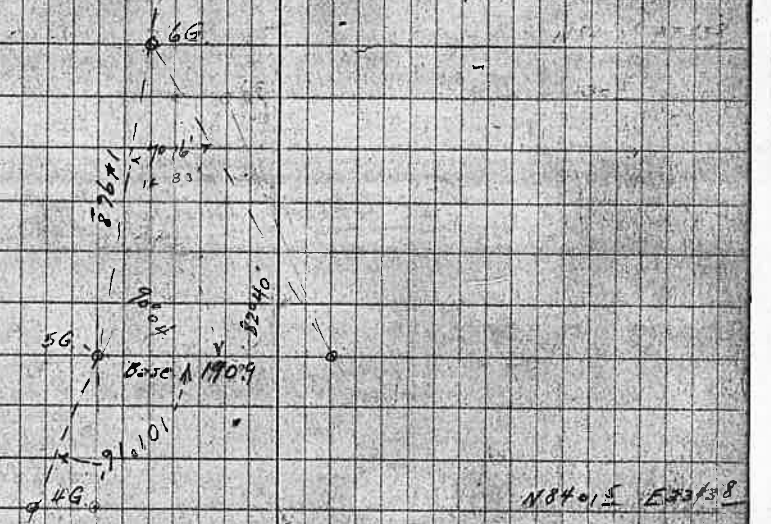
N 6276.8 E 3402.4

6476 E 71.9

N 6912.4 E 3474.3

1491.1 130.5

FS on 4G R 59° 47' to Wit. Tree North of SW Cor. C.I. 61



N 8401.5 E 3338.8

788 172

11

7G	L 0°54 (1°48)					N848.2	E3360.8	
		N9°10E	N11°15E	-22° 73°	677	66.4	13.7	
8G	R1°05' (2°11)					N854.8	E3374.0	
		N10°30E	N12°20E	-32°20' 300°	2535	402.7	88.0	
				-23°30' 173.0	1587			
9G	L 19°37 (39 15)					N894.5	3462.0	
		N8°45W	N7°17W	-18°20' 137.4	1304	129.9	16.5	
10G	L 51°46 (103 31)					N907.8	3345.5	
		N60° W	N59°03W	-15° 278.9	2694			
11G	R 69°20' (138 38)					138.6	291.0	
						971.4	3145	
		N9°10E	N10°07E	-3° 210.5	2107	204.9	36.9	
12G	R 17°20 (34° 40)					942.43	3151.4	
			N27°27E	-1°30' 300°	3746	334.7	178.4	
				76.7		975.8	3375.8	
13G	R 62° 33							
				200°				
	Tie check line 34C to 17F							
34C	L 24°50 (49 40)							
		S65°15W	S65°30W	-1°30' 300°	2992			
				20' 300°	2999			
				50' 300°	2989			
	R 10°45 (21°30)							
		S75°45W	S76°15W					

Solar obs. at 10G 3:25 PM 5/11/21
F.S. on 9G R. 80°52' Alt. 42°05 MC S72°35W

B8 S89°46E

May 14/1921
8 3

12					
⊙					
			S76°15W	300° 00' −30	299.6
				300° +10	299.9
				267° +4°	266.4
17F.	R14°58				
			N88°47W		

N88°52W Previous error 5'

13

Corners Wollenberg Survey.

(12) 1/4 Cor. Center section 21
From Hub #1B Run N 16 E 50 — and set post also 1"x30" iron pipe
from which a B Oak 18" — S 85° 15 E 15 ft.
a B Oak 22" — N 40° 10 E 19 ft.

Cor. on ℄ Sec 21 and South Bdy — Cl 61
(11) Set 4C Run S 376 + E 24 — and set a post also and iron pipe
from which a B oak 18" dia — N 19° 40 E 16 ft.
a B. oak. — S 44° 45 E 20 ft.

Cor. on E bdy Cl 61 and Sec — line Set 16+71
(9) Set 10C Run South 507 — and West 67 Set iron pipe also post
from which a W oak 10" — S 44° 15 W 59 ft.
a B oak 30" — S 71° 15 E 249 ft.

Cor on N bdy of Cl 43 and — N + S 1/4 line through Sec 22
(6) Set at Hub #25C Move South — 4 ft and West 10 ft set iron pipe and
Mound of Rock

Cor. on N bdy Cl 43 — being N W Cor Lots property
(5) Set at Hub No 27C Run East — 1013 ft set pipe and mound
of Rock.

(4) Cor. on County Road Nor. East. 17½ Ft. and SW Co. Mark Hammo Set. Dt. 31 C North 22½ ft. and set iron pipe

(A) Cor. at The S.W Co. of Ellen Set. at 32C and Nor. Set. Iron pipe. also. cedar Lewis place on County Road East 8½ and North 20 ft stake

(B) Cor. Nor. Lewis House on W Set iron pipe from which B.dy Cl. 43 = 86 Co. Lot. A.W oak 15" dia S. 52½ W 22 ft

(C) S.W Corner Lewis Lot Lot N 5¾ Set. Iron Pipe 1½ x 30' Set at Hub 40 Measure Corn. 8.9 also. oak stake

(D) Cor. on W Bdy of Cl 43 Set iron pipe also an oak 28" dia S 28°15 W 23 ft about 350 ft. South of N.W Cor. Stake from which a B. Oak

(E) N.W Cor. of L.C 43 set from which A.W oak 15" N A.W Oak 22" N oak post. also 1"x30 iron pipe 62½° W. 8½ ft. 22½° E 47½ ft.

(F) NE Cor. Lewis property on Set at Hub #20 B/ Run W Iron pipe from which marked

(G) SE Cor. of Lewis Prop. on Run N 0°39 W. 20 ft. set

(14) Cor. on Sec line bet 20+21 21+22 Set at Hub No 1 Move N 67° stake from which

(15) Cor. on S Bdy Cl 61 1/4 mile Set at 3 Run N 17 and cedar stake from which

(16) S.E Cor. of Wilsons Lot Block Set at Hub 8 Measure stake from which B Oak

(17) Cor. at Center of Sec E 27' Set iron pipe and S 54°20 E 58 ft

N. Line of D L C 43 set 35.5 and North 7' Set B. Oak 24" dia S 80°E 40.5 ft

County Road. Set a Hub No 33 C Iron pipe for Cor

and on S Bdy Cl 61 and East 10 ft set iron pipe also a D Ble White Oak 12" S 10 1/2 E 81 ft.

West of Sec line bet Sec 20+21 N 88°06 E 31.9 Set iron pipe and a B Oak 30 dia S 18°15 W 99 ft

on E+W 1/4 line through Sec 20 West 36.6 N 49 set iron pipe also 36" N 29°30 E 41.3 ft

21 Set at Hub 15 Run N 27 E and Laurel stake from which B Oak 6"

(18) Cor. New. N W Cor Lot 11 and South 12½ Set iron N 58° W. 23.6 ft

Set at hub 23 A. Run East 59.6 pipe from which a Oak 16" dia

(19) Cor. at N E Cor Lot 12 ( ) to fence then from which a W oak 8"

Set at hub No 25 F Measure West South 66½ and set iron pipe N 13° E 98 ft.

From Hub 27 A.

(20) Cor at S E Cor. Lot 12 South 4 ft To fence Corner

Block 9 Measured East 5 ft and and set iron pipe 1" x 30"

(21) Cor at N. End of Dursion line Set o Run East 140 ft and

N + S. through Lot. Set at 30 a. set iron pipe Thence South.

Cor at S End of Dursion

(22) Set at hub no 2 Run East also Stake

line through lot 1 Block 13 126.6 and South 21.4 set iron pipe

(23) Cor. at intersec of Sec Cl 40. Set at hub no 2 set iron pipe from

line South side 20 and E Sly Run W 10.7 and south 21.4

17

Changed to South July 11-21

(24) Wollenberg Marks Cor. on Dst. ast No 5 E. Measure and set an iron pipe

W Bdy Cl. 4r. 1899 North 45 = and East 19 = lks 2" also oak post. from which B. oak 27 W + 5 North

(25) N W Cor Cl 4r. Dst and East. 1893 1899 and set iron pipe 1½" × 30 from from B Oak. 24" N45°E Stump of W Oak.

at hub 5 E. measure North 569 4×4×38 oak. Stake also an which B. Oak 20 = N 43° E 33 = 0 5 ft " " 14 " S. 40 E 62 = N75°E 58 ft which might have been mistaken

(changed to South)

(26) for S85°E. also. Stumps of large may have been mistaken stumps of posture evidence measurement from Cor.

Work bears N. 8° E. 47 ft direction for S8°E did not coincide the so located the corner from South

S. W Cor. of Cl. 4r near what I believed to be stump From Stump of B Oak. 28" dia from which a B Oak 18" dia of 29 lks as called for on Govt bearing 2 scars Top on ROT BT when I chopped it Mark New trees a B Oak a B Oak

School house. Reversed this corner from of the original B.T. Ran South 26°E 87 lks = 57½ ft set hub bearing scar bears S 19° E 129 lks instead field notes a White oak 20" dia cut out. Bottom scar shows scribe marks. Spam bears N 59° 30' E 36 ft 20" dia S 32½° E 90 = ft. 30 " N 54° 20 E 120 = ft.

(29)	Cor. at N.E. of Dusmichos	Pet. 2" iron pipe at fence Cor.
(30)	Cor. of Dusmichos Mon. an iron rod 3/4 x 16" also 1' West and 5 South of No 19 F.	Wallenburgs Bldg. oak stake and mound of Rock
(27)	Cor. 210 5 East of (SW Cor. Set at hub No 10 F measur. Iron pipe	S.L.C. No 42 on NE Exterior L. Cor.) South 44 3 and W 120 ft set
(28)	Cor 330. North and 210 5 East hub No 12 F measured South set iron rod.	of (NE Ext L. Cor. 42) set at 5 3 and West 120 ft and.
	For Government. Their Intersected Corners	Corners as Prairie notes.

19

Surveyed

Survey of B Irving et al

Began the survey at the Cor. which is N&W Cor. Cl 46 bears scribe marks but is ran N 5° E 64 lks = 42.7 ft from which a. B Oak 24" dia a. B Oak 12"

Cl. Cor.	R 2°20			-13°43	
		S2°20W	S2°20W.	142.5	138.4
1	5°45' R2°53'			-21°40	
		S4°30W	S5°13W.	152.0	141.3
				19°15' 155.7	144.0
2	0°33' L0°16'				
		S4°30W	S4°57W	+4°30 194.3	193.7
3	5°01' L2°30'			+1°30	
		S2°30'W	S4°27W	234.6	228.6
4	10°49' R5°25'			-5°15	
		S8°00W	S7°52W	92.4	92.0
5	15°24' L7°41'			-20°	
		S0°15W	S0°11W.	110.0	103.4
				22°15' 61.0	56.5
6	0°00'			-21°40	
				220.0	212.45
				519	519
7	7°45' L3°53'				

Var 9

Portion of Wilbur D.L.C #46
T26S R.5W.

Common to Cl 46 & #8. From Original BT which leaned and rotten I set an oak post. Cole Brick Irving

Brass S. 54°00'W. 45.0 ft Mkd Cl.46.C.S BT

Brass S.17°30 E 72.7 ft Mkd Cl 48 C&S BT

Var. 21°40 E assumed

Fence 1' Left

12½ A. Rt to Rock NE Russells

Fence 6' West

117.1 ft Back on Ohio Line Spring. 16 ft W

B. Irving.

7		S 2°30 E	S 3°½ E	−10°30′ 294.8	289.9
8	8°35′ R 4°18′	S 1°00 W	S 0°36 W	71.4	71.4
9	0°00′	S 1°00 W	S 0°36 W	−8° 300.0 / 90.0	297.1 / 90°
10	0°00′		S 0°36 W.	544.3	544.3
11	0°00′			300.0 +5°	300°
			S 0°36 W	300.0 +3° 222°	298.9 / 221.6
12	185°58 R 93°00′	N 86°15 E	N 87°36 E	+3°20 300.0 +7°40 251.7	299.4 / 248.6
13	7°24 L 3°42′			+10°30′	
14	12°34′ R 6°17′	N 84°00 E	N 83°54 E	288.7	284.0
15	40°16′ L 2°08′		S 89°49 E	+21°30 249.4	232.9
16		N 87°00 E	N 88°03 E	+6°30′ 250.5	248.9

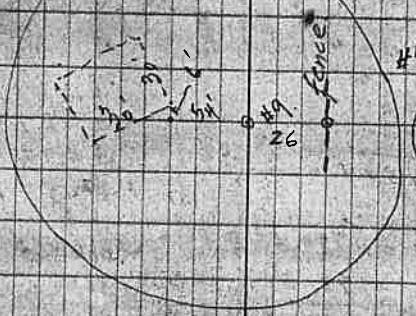
5/23/21 / 9°5 AM

Solar obs. #8
F S on #9.

#1 L 75°03′ To Sun. Alt 45°24′
M.C. S 74° E.
#2 L 73°31′ A. 46°37′
L 27 43°18′ Dec. 20°34′ #1″

#9 54′ East and 6′ South to N.W Cor. of what appears to be Foundation of old Academy. {Dist. from buggy axle 1″×1″×36″ = 132 ft west of academy

N & S Fence 29′ West 2150. E + W. fence
768.5 A on this Course. Rock Cor. 4′ West.
784.9



SW Cor. Cl 48 a Rock in fence line from which a large W oak scarred brans N 66°30 E 58 L

Loomis Cor from which same tree N 30°30 E 1035 ft

Solar at #8 Previous Page

Cos Q = Tan L x Tan A - (Sin Dec x Sec L x Sec A)

Tan 43°18' = .9424
" 45°24 = 1.014 2

37696
9424
9424
.955593616
68803
.26756 - S74°29'E
7503
S0°34W

Sin 20°35' = .3516

Sec 43°18' = 1.3740 6
" 45°24' = 1.4244 4 6

56968
99694
42726
14244
1.956885087
3516 6 6
117411 0
19568 5
97842 5
587055
.688078460

Tan 43°18 = .9424
" 46°37 = 1.0581 6

9424
75392
47120
9424
.997153424
70334
.79381 = S72°55E
7331
S0°36W

Sec 43°18 = 1.3740 6
" 46°37 = 1.4559 6

13660
6870 0
68700
54960
.13740
.000406602
3516
1.000244 2 6
.0004 0
100020
60012
.703406 4

22					
			N88°03E		
16	4°57' L2°28'				
		N85°30E	N86°35E	+5°20 175.3	174.5
17	12°58' L6°29'				
		N77°20E	N80°06E	+13° 223.4	218.3
18.	0°17' L0°09'				
		N78°45E.	N79°57E	+5° 175.6	174.9
19.	48°42' R24°21				
		S77°40E	S75°42E	+11° 99.0	97.2
20	46°42' L23°22'				
		N80°00E	N80°54E	+13°45 285.0	276.8
21.	2°31' L1°15'				
		N78°00E	N78°39E	+1°45 108.0	107.9
22.	11°42' R5°51				
		N85°00E	N84°30E	-14°15 123.4	119.6
23.	1°07' L0°33'				
		N85°E	N83°57E	-20°10' 280.0	262.9
				8° 136.6	135.3
24	173°36' L86°48'				
		N2°45W	N2°51W	+6°45' 274.8	272.9
25	10°33' R5°16'				
		N3°20E	N2°25E	+8°20 158.3	156.6
26.	76°46' L38°23'			5°45	
			N35°54W	92.0	91.5
27					

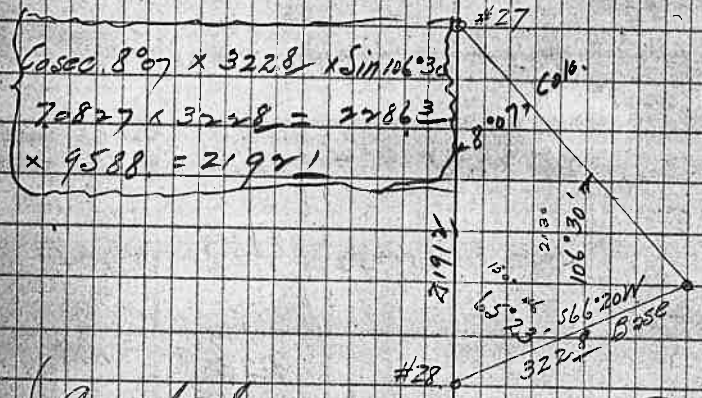
Cor 3.5 North 4' East
Set 1/4" iron bolt.

3° PM 5/23/21
8.1° AM 5/28/21.

Cole
Smick
Richardson

1/4 Cor. East side 18
#27 R83°22', to 1/4 Cor. N47°24E 90.8 -20° = 85.3
Set iron R.R spike and mark B oak 18"S40°W 35 ft
" " 14 N73°W 24 ft
Original true N10°E 238 ft. bears Acacia

			N35°54W		
27.	7° 59' R36°30'				
		N1°00E	N0°36E		2192.1
28.	1° 10' R0°35'				
		N1°30E	N1°11E	-7° 1164	1155
29.	7° 56' R3°58½'				
		N5°45E	N5°09E	-16°15' 300° 8°	296°
30.	2° 55' L1°28'				
		N4°00E	N3°41E	-21° 109°	1018
31	188° 37' L94°19'				
		S89°45W	S89°22W	-7° 209°	2075
	Variation	Changed to	22°E		
32.	0°35' R0°17'				
		S89°50W	S89°29W	+25°40' 2640	2379
33.	0°00'				
		West	S89°29W	+17°15' 1057	100.9
	R41°30				



Cor. to Secs 7-8-17-18 1S East.
which is an oak stake properly marked
from which the original B.T.s
check closely with field notes. old trees badly decayed
Marked new trees as follows.

A Fir 18" dia S. 29° W. 39.2 ft.
" 24" " S 56°10 E 35.1
20" N 33°46 E. 36.2
18" N 59° W. 45.5 ft.

24					
34	R 0°20' (40)				
35	R 0°57' (10 54)	West	S89°49W	−40 79°	788
36	R 0°42' (10 24)	N89°00W	N89°14W	−8 171° / 387	1693 / 387
37	L 4°35' (9° 13')	N88°00W	N88°32W	+8°30' 176°	1741
38	R 3°15' (6°29)		S86°53W	6°30' 112° / +26°15 184° / 266	1113 / 1650 / 266
39	L 0°52' (1°45)	N89°30W	N89°52W	−5°15' 1419	1413
40	L 1°01' (2°01)	S89°50W	S89°16W	+16°40 2320	2222
41	R 7°01' (14°02')	S88°45W	S88°15W	+10° 2358	2322
42	L 0°19' (0°36')	N84°15W	N84°44W	−17°40 100°	953
43	L 2°10' (4°19')	N84°30W	N85°03W	+26°30' 1516	1357
44	L 27°33 (55°05')	N87°00W	N87°13W	−22°40 2899	2675
45	R 7°52 (15°45)	S66°30W	S65°14W	−11°30 1676	1643
1/4 Cor		S73°45W	S73°06W	+5° 2490	2480

(46) 218-10 R 109°05 N2°30E

Error 9' Left
N2°11E 138± to P.C.

Survey for Richardson

Began Survey at the 1/4 Cor which is at Rock 11 ft North of which Wm used for the 1/4 Cor for a B Oak 30" dia brs N

Tom Kerney Sec 6 T29 S R5W
Ext. Secs 6 & 7 May 24/1921
Moore states has been 30 years
60° E 15.8 ft from Sub. (Cole, Smick, Richardson

		North	N0°19W		
1/4 Cor.	R3°54'				
		N4°00E	N3°35E	+12°30 300 +10°30 846	376' 292.9 83
1.	4° 15' L2°08'				
		N2°00E	N1°27E	+13° 300 +13°30 219.6	292.3 213.5
2.	17° 45' L9°52'				
		N8°15W	N8°25W	+9°30 300 +11°45' 164.6	295.9 161
3.	14° 15' L7°08'				
		N15° W	N15°33W	+11°30 206	201.8
4	8° 39' L4°19'				
		N19°30W	N19°52W	+14°30 300 +17°10' 120.4	290.5 115
5	21° 24' R10°41				
		N8°40W	N9°10W	+10°30 212.9	209.3
6					

Assumed Var. 21°45E.
True " = 21.15E See Solar Obs Next Page.

9.40 AM 5/24/21
Solar Obs at #5 FS on #4
L 47°29' Alt. 51°05' S67°E
L 45°35 52°18' S65°E
Lat 43°04 Dec 20°46'11"

			Solar		
	18°45'		N9°10W		
6.	R9°23'				
				+12°45'	
	15°30'	N0°40E	N0°13E	2898	2826
7.	L7°45'				
				-1°	
		N7°00W	N7°32W	84±	84±
	0°35'				
8.	R0°18'				
				-19°45'	
		N6°45W	N7°14W	96±	908
	16°37'				
9.	R8°18'				
				-29°15'	
		N1°00E	N1°04E	190°	165±
					1279
	28°39'			-22°30' 2936	
10'	L14°20'			138±	
				-4°30	
		N12°45W	N13°16W	121±	120±
	17°39'				
11.	R8°49'				
				-5°	
		N4°00W	N4°27W	300°	2989
	15°16'				
12	L7°38'				
				-18°45'	
		N11°30W	N12°05W	88±	84±
	13°07'				
13	R6°34'				
				-29°30	
		N4°40W	N5°31W	210±	1829
	3°52'				
14	L1°56'				
				-25°30	
		N6°50W	N7°27W	160°	1444
				+7° 2.5	
				1089	108±
	1°34'				
15	R0°46'				
				-11°15'	
		N6°00W	N6°41W	100°	98±
16					
				-13°	
				200°	1948
				300°	3000

Near top.

26

Computation of Solar obs Pg 25

Tan 43° 04 = .9347 5 Sec 43°04 = 1.3688 8

" = 51° 05 = 1.2386 2 Sec 51°05 = 1.5919 2

56082
74776
28041
18694
9347

1.577194 2

7727

3850 = Cos

S 67° 21 E Sun

4729

S 19° 52 E

20°46
35°46
Sin

1 23192
13688
1 23192
68446
13688

2.178992

3546

1307394
871596
1089495
653697

.7726985 4

Tan 43° 04 = 9347 5 Sec 43°04 = 1.3688 8

" 52° 18 = 1.2939 4/3 " 52° 18' = 1.6352 8/1

84123
28041
84123
18694
9347

1.709408 3

7937 01

41507

S 65° 26 E

4535

S 19° 51 E

27376
68440
41064
82128
13688

2.238261761

3546

134298
89532
11915
67149

.1937011 8

				-12°20'	1202
				232.7	227.3
	0°43'				
16	R0°21'			+22°30	
		N5°45W	N6°20W	300.0	277.5
				36.5	36.5
	4°34				
17	R2°17'			+9°30	
		N3°00W	N4°03W	122.3	120.5
	1°37				
18	L0°46'			-8°20	
		N4°00W	N4°49W	110.0	108.8
19	L1°38			-13°15	
		N5°40W	N6°27W	131.6	128.0
20					

1/4 Cor. N. Bdy Sec 6. Renewed by Frank Cain from which one of the original B.T.s bears S 71°45' W 7.3 Ft.

28

29.

Richardson Survey

Run S Bdy of Sec 6 T29-S

Began at S.E Cor. of Sec 6

78 North to 1/4 Sec Cor.

says is the corner Estab

Turn L. 93°00 N10°56E

Sec Cor.				+8°15	
		S89°45W	S88°56W.	126 7	1249
1 A.				-9°	
				1934	191°
2 A.					
				727	727
3 A.				-16°10'	
				2159	2074
4 A				-4°45'	
				1736	1731
5 A				-8°15'	
				1713	1713
6 A.				-12°	
				90°	88°
				-17°15	
				3009	2865
				-3°	
				2166	2163
				-10°	
				1380	1359
				-17°40'	
				3000	2858
				-5°40'	
				2094	2084
				298	298
7 A.					

Warm Fair 39

May 25 1921

Established by Frank Cain Cole

or Fence post that Richardson Smith

by Cain N C N 2°30 E Richardson

40' ahead. Begin descent.

2 Blazed trees indicates old line 22' South

Old tree blazed 27' Left

2191

30

				-7°20 300°	297.5
				300°	300°
			S88°56E	79.6	79.6
8 A	R 93°28				
		N3°30E	N2°24E	71°	
1/4 Cor.	R 10 11:				
			N3°35E		
6 A	0°00'				
	137° 05				
9 A	R 65°33			+8°20'	
		N24°30W		158°	156.3
10 A					

30

2° 03
63 30
114 27
180 00

6A

$\frac{156.3}{\text{Sin } 2°03} \times \text{Sin } 63°30$

2°03'

156.3
Cons = 27.955 1
156.3
83865
167730
139775
27955
4369.366 5 6

63° 30'
114°27'
9A
156.3

8949

137°

FS on 9A 63°30 Left to 6A. S88°E.

4369.4 8
8949 3/6
393246
174776
393246
349553
3910.17606 6

31

Survey for Mayor Hamilton

T26S R3W June 6 1971

Warm 31
a.m. light clouds

J W Cole
L. A. Emick
Seth Mathews
Floyd Watson

	Began at the Cor. to Sec 4-5 from the original scribe marks. Trees do not which the original tree was				-32-33 which I reversed out tree N 77 W and found Check will set Cor. from as follows Var. 21°00 E
		A Laurel 24"	S 29° E	9 lks.	53 ft scarred
		a Oak 18"	S 26° W		158 ft scarred
		a B. oak 40"	N 15° W		263 ft bears scribe marks
		a B. oak 15"	N 70° E		156 ft dead scarred
	Det.	4 x 4 x 40" oak post		and	erected Mound of rock
0 = Sec Cor.					
		North	North	13 30 300° 29 19°	2919
				39 33 39	39
1	0 26 R 0°14' 13			1 15	
		N 0°30 E	N 0°13 E	246°	246
2	0 40 R 0°20'				
		N 0°	N 0°33 E	6°45 300° 59	297 9
				62° 30	67°
3	16 45 L 8°22				
		N 8°30 W	N 7°49 W	13 270.9	270 3
4	13 43 R 6°51				
		N 2°15 W	N 0°58 W	6 30 115 5	1148
5	14 05 R 6°02				

5.				-12°	
			N5°04E	1824	1784
6 R	35°37 17°49			-3°	
		N22°10E	N22°53E	247.3	247.0
7 L	15°10 17°35'			-4°30	
		N15°E	N15°18E	300.0	299.2
				+8° 1943	1934
				+7°30 146	194.2
8	121°01 L60°33'			-23°30	
		N48°30W	N45°15W	100.0	91.7
9	L7°45'				
		N54°W	N53°00W		
10=1/4 Cor				-27°00	
				300.0	267.5
				64°	64°

Set 6½ North and 1.1 West of #5 and set 3x3x36" Cedar Post from which Pine 24" N68°30E 10± ft.) Cedar 24" S.6°30' W. 55± ft. marked 1/4 S. C.S.

1/4 Cor. Sec. 32+33
Referred from original B Trs. both alive and standing oak. bearing scars.
Set a Rock 8x8x24 marked 1/4 S. C.S. from which
48" Pine S78E 149± N70°W 398± ft
B Oak 14" bearing scars Encircled mound of Rock

Mayor. Hamilton Cont'd

		Sat. at No 5	BS #4	
			N0°58W	
5=0	177 32½ R88°46'			
			+13°30	
		N.86°45E	N87°48E	298⁵ 290'
1A.	1°26 R0°43			
			+7°	
			N88°31E	300 297.9
			+9030	570'
			276'	272
2A.	0° 01' L0°03			
			-8°40'	
		N88°20E	N88°28E	300 296.7
			-8°	1957 1938
3A.	0°00'			
			+0°30	
		N88°00E	N88°28E	271' 270³
4A.	0°00'			
			-6°30'	
		N88°00E		76° 75⁵
5A.	0°00'			
			-6°30	
			N88°28E	271.9 270³
6A	1°31' L0°46			
			+6°15'	
			N87°42E	81³ 80⁸
7A	1°32' R0°46			
			-2°30	
		N87°00E	N88°28E	249⁷ 249⁵
8A.	1°21 R0°40'			
		N84°00E	N89°08E	263½ 263²
9A.	20°28 L0°14'		21°15'	
		N85°00E	N88°54E	252.6 235⁴

Mote Error in previous Vert. angles of 3°30'
+ angles to large - angles too small

Light Clouds Cool.
5PM June 6 1921
9AM " 8 1921

1/180⁵¹

At 80 ft. Set post for N E Cor.
Mathews place

			N88°54E		
10 A.	8°01' L 4°04' L.				
		N83° E	N84°50E	+6° 103.9	103½
11 A.	R 3°38' 7 16				
		N88°20E	N88°28E	-6° 225.1	224.6
12 A.	0°00'				
		N87°15E	N88°28E	+17°50' 151.6	144.4
13 A.	0°00'				
				183°± 220.6	183°
14 A.	1°26 L 0°44			-25° 41.7	378
		N87 E	N87°44E	+14°30' 121°±	117±
15 A.	L 1°41				
		N86°E	N86°03E	+6° 161±	160½
16 A					
		N88°30E	N88°28E	+6° 197°	196°
17 A					

Set post 114' South also 4x8x20 Rock marked with cross

Hamilton

Pick up line at Sub No 5

			N0°58W		
#5.	L 90°34				
				-13°30	
	10 49	S87°30W	S88°28W	1816	1766
1.B.	R0°54				
				-13°30'	
	1°08	S88°30W	S89°22W	1755	1707
2B	L0°54				
				-10°40	
	2°14	S88°05W	S88°28W	2228	2189
3B.	L1°07'				
				-10°	
		S87°W	S87°21W	3000	2954
				-6°45	1725
	2°14			1783	1771
4B.	R1°07				
				-18°	
		S88°15W	S88°28W	3000	2853
				-15°20	2446
	88°14			578	556
5B.	R44°07'				
				-17°	
	87°28	N47°40W	N47°25W	1130	1081
6B	L41°14'				
				-10°15	
		N88°15'W	N88°39W	3000	2954
				-5°	
				3000	2989
				3000	3001
				+10°	1230
				3000	2955
	17°34			406	406
☒7B	R87°17.				
		N1°W	N1°22W	2750	2750
				2°	80
				3000	3000
				+6°20'	
				2317	2305

B2 No 4

5:45 P.M. 6/8/21

8 AM 6/9/21

7 & 8 fence 18' West

6 & W fence 35 ft North

			N1°22W		
8B	R0°26'				
		N0°25W	N0°56W	+1° 300	300
				-4°30 135	135
X 9B	186°58 L93°29'				
				+13°30'	
		S86°00W	S85°35W	190	184.7
				+25°45 80	72
10B	5°46 R2°53				
				+5°45	
			S88°28W	187	186
11B	1°00' L0°30'				
				+0	
		S88°15W	S87°58W	300 0	298
				87°	87°
	0°12'				
12B	R0°06'				
				+5°20	
		S88°35W	S88°04W	256 3	255 3
	0°48				
13B	R0°24				
				+11°30'	
			S88°28W	196 3	192 4
14B	1°04 L0°32'				
			S87°56	+9°30	
			S89°00W	300°	295 8
				59 8	59 8
	5°44				
15B.	R2°51'				
			N89°12W		
		N88°40W	N88°08W	+9° 300	296 4
				36 5	36 5
	0°19		S87°39W		
16B.	L3°09'				
		S88°20W	S88°43W	-30° 115 5	115 4
			S87°24W		
17B	0°30 L0°15			-9°10	
			S88°38W	132 1	130 6
18B	0°00				
				-16°	
				193 3	185 8

R21°24 - N20°28 E 42.5 ft. to old Cor. Stake

Solar Direction S 88° 35 W

Data. { L. 11°43' Alt 47°09' - 6/9/21 3:45 PM

BS. 13B { L. 10°57 Alt 46° 35 Dec 22° 58 Lat 43°7

37

See Prev. Page

Cos Q = Tan L × Tan A +

Tan 43° 17 = 9418 =

" 47°09' = 1.078 = 7

75344

65926

9418

10152604

7881

.22716 = Co 76° 5"

11 43

5.88 35 W

Sin 22°58 = 3902

Sin Dec × Sec L × Sec A

Sec 43° 17 = 1.3737 3

" 47 09 = 1.4704 2

54948

96359

54948

13737

20798 8848

3902 5

6

40398

181791

60597

7881 6498

Tan 43°17 = .9418 4

Tan 46° 35 = 1.0575 0

47090

65926

47090

9418

.99595350

7799

21 60 = Co 77° 31'

10 57

5.88 28 W

Sec 43° 17 = 1.3737 3

" 46° 35 = 1.455 6

68685

68685

54948

13737

1.9987335

3902 7

8

39974

179883

59961

.77989774

19B	0°00'		S87°24W	21°	
		S88°10W	S88°28W	202.4	189.0
20B	188°44 R94°22				
			N1°46E		
			N2°50E		
				44°	
		N2°20E		165.9	165.6
⊙21B	3° 1° 36				
				13°	
			N0°10E	96.3	93.8
			N1°46	300.0 7°15	300.0
				180.0	178.6
				300.0 7°00	300.0
				300.0 6°45	297.9
⊙22B	40° 43 2°22		N2°34E		
			N3°36E	146.9	146.9
⊙23B	6 20 3°10				
				44°	
			N0°38W	135.4	135.2
			N0°76E	300 7°	297.9
				300.0 5° 6°30	298.8
				300.0	297.9
				300.0 4°	299.4
24B Sec Cor.					

¼ Cor. bet 31 + 32

Reserved ¼ Cor from original B.T. Set a cedar post from which 8°° AM 6/10/21 6°° PM 6/9/21 ord. B.T. dead down bearing sub mile bears N 35°E 22 ft. Hole in ground where tree stood bears N 89°W 13 ft Marked new tree a B Oak 24" dia S 33°E 83.3 ft Chimney of house S 67°40W Set Rock 6"x10"x20"

From 21B S 17°30E 37.0 ft to ¼ Cor.

Hamilton Survey line along E Side Mathews place N. Side Watson Place

Began Hub #14 B B.S. #13

June 13 1914

{ Cloudy, Cool

{ Cole, Smick, F Watson

= Cor Stake.

			S88°28W		
14B=0	203.57 R 101°59'				
		N11°00E	N10°27E	89	89
1C	22°02' L 11°01'				
		N 0°10 W	No°34W	-5°30 300 0	298.5
				66.4	66.4
2C	0°22' L 0°11		N 0°45 W		
	0°38' R 0°19'	NO°10W		-3° 821	82.0
3C		North.	N.0°26W	-12° 170.0	166.3
				12° 300.0	293.4
				+8°30 141.3	139.7
4C	0°15' R 0°08'				
		N0°15E	N0°18W	-4° 300 0	299.4
				2716	271.5
5C	0°05' L 0°03'				
		N0°00W	N0°21W	-7°15 300.0	297.6
6C	0°00'				
				-4°30 280.0	279.2
				-5° 300.0	298.9
				26.2	26.2
7C	0°00'				
				8° 300.0	297.1

181.5 interest Et W fence

				3000	300.0
				+1.0	
				3000	1300.0
				+3.0	
				200.0	199.7
				+2.0	
				300.0	299.7
8C	L 1°44'			238.0	237.3
		N 1°35' W	N 2°05' W		
				-.40	
				300.0	299.4
9C					
				2.0	
				300.0	299.7
				55.1 35468	58.1
10C					
				307.7	307.7
	L .005,				
11C	R 0°02'				
		N 1°00' W	N 2°03' W	-1.0	
				246.2	246.2
12C					

Irrigation ditch

S 19 W	600'	= 7.5
S 19° W	100'	1.5
S 28 E.	800.0	12.1
South	15.0	= 2.3
S 15° W		

465 East to Irrigation ditch.

To Point E of Cor

To point on Irrigation ditch South of div line for 8 & 12C

Hamilton

Tie to Diversion Weir

Pick up sub #3 See page 1

	134.54		N89°46E	
#4=0	R67°27'			
		S23° E	S22°46E	300.0
				251.0
#10	L13°26			
		S36° E	S36°06E	300.0
				2.0
20	Weir	10' beyond on same line		

F.S. on #4

Irrig. ditch approx 700' W

Ditch 10' North. Course N70°W 800 or 900

Survey for A. Taylor

Began Survey at N.E. Cor. DLC 47
Found Stake in Place from Which
brs. N 40° E 4" D. Piled Rocks

0. = Cor.					
		S 17° 45 E			16
1.					
		S 2° 05 E		+20 300	299 8
				+30 276 6	276
2.	6.21 R 3° 11				
		S 1° 00 W	S 1° 06 W.	+30 300	299 4
				-30 300	299 6
				35	
3	3° 00 L 1° 30'				
		S 0° 15 E	S 0° 24 E	300	300
				300	300
				4° 300	299 3
				2° 300	299 8
				171	171
4.	R 0° 24				
			South	+30 184 4	184 2
5					
			South	260	260
				3° 300	299 6
				99 300	296 5

Hot 12
9:00 AM
July 6 1921

Lots 1-2-3 and
T. 29 S R 6 W. -
Original S.T. W. Oak 40" dia
around Stake and Remarked tree

Var. Assd 21° 45 E

Cole
Smick
Richardson
Taylor

Fence W Side Road 28 6 West. Fence S 0° 06 W

				4° 250°	1384½ 249½
				10° 283½	279½
6	14°25 R7°12'				
		S7°15E	S7°W/W	300°	1300°
				30⅝	3308 30⅝
7	L7°12				
		South	South	250°	250°
				-20°30' 291⅛	3127⅜
				27°40 100°	735 88⅚
				30°	30°
				+19°10 98.9	93¼
8	0°00'				
				+10° 300°	295½
				581½	285⅝
⊡ 9	R 90°00'				
		West	West	-8°20 273⅝	270⅙
10					
				-17° 130°	124⅜
			West	19°40 300°	282⅝
				8°50	296¼
		Solar S89°5LW		300° 18°	18°
11					
				11°40 82°	81⅜
			West	7°10' 300°	297.7
12				7°40 119⅛	1178

$873\frac{2}{} - 292° = 581\frac{2}{} - 295\frac{1}{4} = Ac$

27½ 9.50 AM July 7 1921

Solar Obs 1 FS on #10 R 20°48 MC 569°5E

Alt. 52°30' Dec. +22°36' Lat 43°03

4

Sin. 22° 36 = 3843

Tan L = 43°03 = .9342 Sec. 43°03 = 1.3684

" A = 52°30 = 1.3032 " 52 30 = 1.6427

1868 4

95788

28026

28026 2 7368

9342 54736

82104

1.2168 4944 13684

8638 6

.3535 8 4.247 87068

3843

= Cos = S 69° 18 E 67 43 61

L 20 48 8991 48

90 06 179 8296

N 89° 54 E 67 43 61

or S 89° 54 W .863 85644 1 0

17

West. 16° 300° 288 4

47.9 47.9

13. 16° 19' L 8° 10'

S 81° 40 W S 81° 50 W -8° 30' 285° 281.9

6° 300° 298 4

61 5 61 5

12 1° 18' L 0° 39'

S 81° 00 W S 81° 11 W 243 3 243 3

84

26.25 Ch = 1732 5

N/C (N 23° 30 E) CC N 23° 23 E 714.9

15	12°52' L 16°26'	S75°00W	S74°45W	314		
16	R10°30'	S85°15W	S85°15W	314		
PW Cor.	Cl 4	Set oak	stake also		From which stump of 30" Oak	
	bears	S75°E 33.7 ft.	24" W Oak		Bearing Chopped scars & rs	S2°30'E 71.3
	Marked	new trees.	A W Oak 30"		S40°E 113.5	
(17)			A W Oak 30"		S79°E 176.	Set iron plow frame 15" inches below ground
	Pick up line at Hub # 4				and Run East to Check tie to 1/4 Cor	
0=4	16°57' L 82°29'				Set # 4 F.S. South Turn Left	
		S82°30E	S82°29E	+11°20 260	254.9	
				11° 300	294.5	
				+15°40 154.3	148.6	
1A.	4°51' L 32°27'					
		N65°00E	N65°04E	+15°40 183.6	176.8	
2A.	R25°04'					1135
		S89°40E	S89°57E	+18°15' 249.3	236.8	
1/4 Cor	A Rock in place			Check		
	with Original B9a					

July 8-61
Cloud, Cool
Cole
Smick
Richardson
Taylor

40

Survey for Taylor

Tie to Pries old house

#6

Set 6 F.S. on #5

40 = 40N
11°20 = 294 =
300° =

N18°00W N18°00W

⊙ Hub

Hub. N2.00 Ch = 792° A East of old House

56 = 56
8°20'0
300° 792 296
5° 298
300° 140° 140

West.

Set at 9

West.

102 S

9B L 88°48

+27°30
119 4 = 105
10°
200° 199°
41

⊙

Set Oak post also
for SE Cor Cl #7 No live trees near, also Iron pipe 1½" dia mkd Cl #7

W 335 =

S 60 12 E
S.W. Cor

W 120 =

S 1°12 W

N E Cor Cl #7

Description

Beginning at the Initial Point of the Overlook Add to the City of Roseburg on the East property line of Kane St

S 19°23' W 204.74 ft from the intersection of the center lines of Cass and Kane St. Said point being a 2" Galv. Iron pipe

Thence S 27°48 W along the East Boundary of Kane St 46.71 ft to an iron pipe "x"

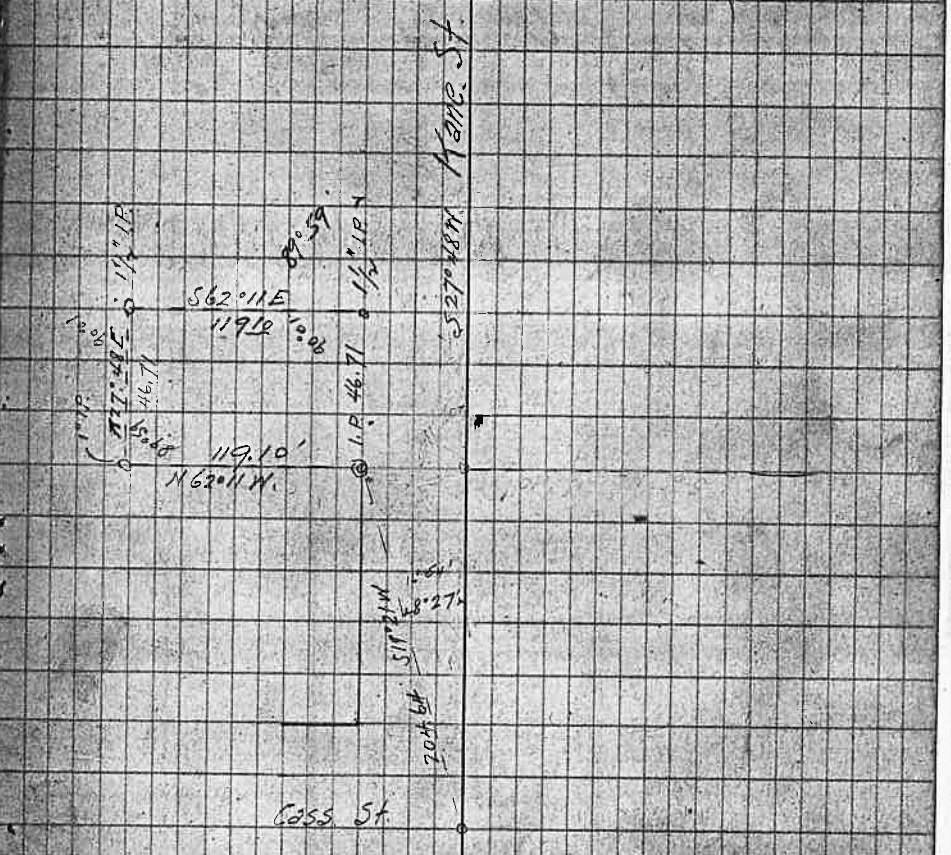
Thence S 62°11 E 119.10 to an iron pipe "x"

Thence N 27°48 E 46.71 ft to a 1" gal iron pipe Thence N 62°11 W 119.10 ft to the place of beg.

Aug 6, 1921

Survey for Judge Hamilton

Cole J.W.
Smick L.H.
Judge Hamilton
Ira Riddle
N. Rice



49

Survey for Wilfred Brown

Began Survey at a Stone which
Cl 41 Chained West 5.86 chains
Cl dist should be 5.75 chs
a Stone
Return to the NW Cor Cl
on S fence a mile East.

			chs.	Part.
0				
		East.	12.65	83 50
1	R 90°00			
		South.	10.00	660
2.				
		East.	5.53	365
3.				
		South	10.00	660
4.				

49

939 R 8 W. Aug 27/21

Jesse Dwyer
Deemed to be The N W Cor. } W. Brown
to SW Cor. of Patterson. } Virgil Wolcott
SW Cor. of Patterson Cl to Frank Smith

41 and run East with fence sight
Var 21°10' E

#1 Set 1½ x 30" Iron Bar. S 45° W. 1 ft
#2 Set Iron Pipe 1¼" x 20" N 45° E 1 ft
#3 Set Iron Bar. 2" x ½ x 30" S 45° W 1 ft
#4 Set Iron bar 1¼ x ½ x 30" 2 ft West.

To point 35 lks North of present
fence between Brown and Smith
Then Chained West to old fence
on approx Cl line 17.97 chs.

50

Driveway for Sprungdeed

Station	Def	MC	C.C	Dist	Hor Dist
℄ 6					
				-7°20'	
(5 BS on 4)	157° 08 / 78°32	S61°00E	S66°34E	218.5	216.71
				-29°00'	
		S17°00W	S12°00W	134.6	117.7
5	0°00'				
				220°	
				-7°20	220.0
		S17°00W	S12°00W	120.0	119.1
	42°38'			+13°38	
4	L21°21'			90	89.9
				-7°00	
	3°00'	S39°00W	S33°19W	300.0	297.8
3	L1°31				
	15°09	S37°15W	S34°50W	257.2	257.2
2	R7°35'				
		S29°00W	S27°15W	263.8	263.8
1	13°59' / R7°00'				
	9°35	S21°40W	S20°15W	158.0	158.0
0+00	L4°47				
Back Sight		N26°30E			

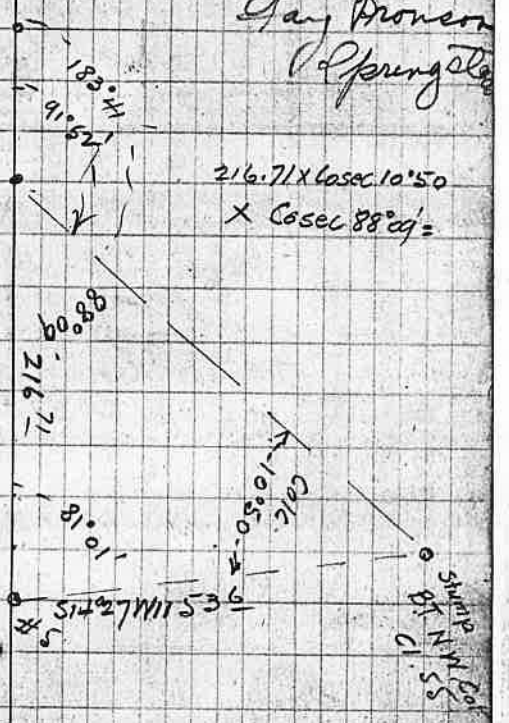
12:30 PM Rain Dec 4/59

T27S. R.6W Sec. 36

179 60
91°50
88°09

88°09'
81 01
169 10
179 60
10°50

JWBee
Gay Brower
Sprungdeed



To ℄ SPRR

Parallel with old fence

Began on ℄ old Military Road bed 20' East of old fence line as near as can be determined

N. W. Cor. of D.L.C # 55
Set at Stump of B. T. run
N. 86° W. over Cor. set by Lodor
Stewart, at 43 1/2 Lodors Corner
at 561.7 Set stake and
Mound of Rock. Fore sight
East along fence over hill
and Turn Left 79°45' to
24" W Oak marked N W Cor of
55 C.S, B.T. distance {6.00 / 237.0

Left 116°30 to White Oak 12"
distance 260.0 - 5°30 Slope

Solar at #6 2:00 P.M. Dec. 10/23

Alt. 18°48' Left 92°15' To F.S on
" 18°15' " 93°36' "

Cr. Dpringstead Gas $2.10

Col of Solar

Cos Sun's Bg = Tan A x Tan L +/- Sin Dec x Sec A x Sec L

18°48'
0°02
18°46

Mags A
Corr Ref

Lat

Dec. 14°36' x 10 =

Cos Bg Sun = Tan 18°46' x T 43°11' (S) + (Sin 22°53' x Sec 18°46' x Sec 43°11'

= .3389 x .7885 + (.3889 x .7885 x 1.371

= .3189 + (.5637 x 1.371

= .8821 = Cos 28°06' W

92°15'
28°06'
64°09'

Bg No 2 = 25°30' W

93°36'
25°30'
68°06'

Beautiful Day.

Tel Pole Used on Course #5-6 S66°34' E

3889 + (561.7 x .8947

(3889 x 10.528 x 1.371

(3889 x .9385 + 1691

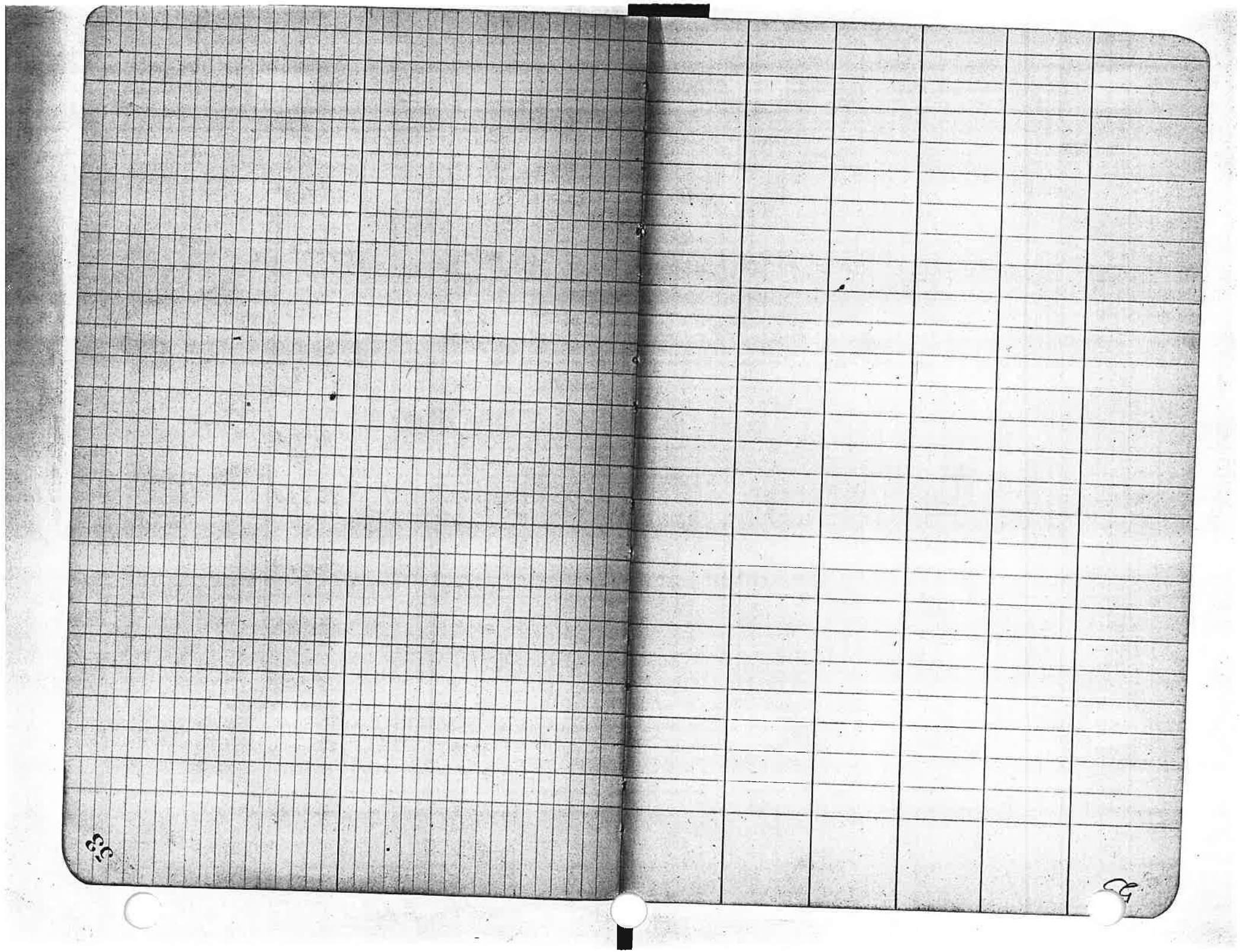
(3889 x .9385 x 18°13' x 1.371

= 18°13' - 11°49' (3889 x .9385 x 18°13' x 1.371

5 ✓

Stadia Shots Set No 5 FS on #6

Sta. Trans	Def L.	Def R	No. of Pt.	Rod	
	L 14°46		4	-3°15' 8.95	In Hgkwy
	L 20°37		3	-4°00' 5.50	Filing Sta 4' South
	L 24°00		2	-3°00 5.46	In Highway
#5	L 30°15		1	-4°30 2.92	In Highway



	Left D	Right		1/2 Sta. Read.		
				Cont'd. on Page --56		
	10	R77°35		-6°15 4.60	914±	
	9	R70°30		-6°30' 4.40	874±	Wat Edge Pt. of Island on Same Line
	8	R60°20'		-6°00' 4.90	975±	Wat Edg W. Side
	7	R56°39'		-5°15' 5.60	1115±	Rock Point Waters Edge
	6	R55 38		-4°15' 6.50	1296±	Waters Edge
	5	R57°30		-3°45 6.50	1297	River Bank West Side
	4	R61°15		-4°00' 5.70	1137±	
	3	R68°45		-4°20' 4.80	957±	
	2	R77°10'		-4°20' 4.80	957±	"
	1	R94°45		-4°00' 5.35	1067±	W. Bank
		R104°12'				To NW Cor. C. 55
		R81°01'		5.80		To Wit Tree NW Cor. C 55
#5						F. Sight on #6

55

Copy of Portion of Opening - Studi Deed.

35

Beginning at a point 7.00 Chains South and West 20.00 Chains of the North East Cor of Sec 36 T27S R6W.

Thence N42°30'W 35.73 Ch. To Military Wagon Road (West Side)

Thence following along the west side of the same

~~S37°E~~		~~13.60~~	
S37°W.	13.60		
S21°00W	4.50		
S27°00W	9.94		656
S25°45W	5.00		330
S24°30W	5.00		330
S3°W	4.00		264
S35W	7.00		462
S12°00	5.30		349.8
S12°00E	(?)		

To S. P R.R. R of W.

To River Bank.

21	R37°50'			-4°30 5.30	1057	" " "
20	R35°45			-3°30 7.00	1398	On Bank West of Gravel Pit
X	R30°47					To Signal on Gravel Plant
19	R44°15			-5°00 5.40	1076	Y in Main Channel 100' West
18	R53°45			4.00	795	" Near Dead Con
17	R75°55			-8°45 3.30	652	"
16	R95°45			-9°15 3.10	602	W & E Side River Waters Edge Main Channel
15	R112°10'			-7°10 4.10	814	N Side Island
14	R90°25			-6°15 4.50	893	S Side Island
13	R90°30			-7°45 3.70	733	N Side Island
12	R72°15			-7°15 3.80	754	On N Side Island Near N End
#5 11	R97°35			-5°30 5.20	1035	S. Side Riv Wat Edge Middle of Gravel Island on Line

Read Up.

56

57

	⑬	R43°00			-4°15' 3.95	7889
	⑫	R43°20			-5°15' 4.70	9395
	⑪	R34°25'			~~-3°00~~ 5 30	1056
	⑩	R41°50			?	
	⑨	R33°55			?	
	⑧				-2°15 7.30	14596
	⑦	R30°50'			~~-2°35~~ 6.40	12799
	⑥	R24°45			~~-4°00'~~ 4.47	8929
	⑤	R22°05'			-4°30 3.10	6198
	④	R66°20			-9°30' 1.90	3758
	③	R102°00'			-10°15' 1.85	3685
	②	R55°30			-6°45 2.53	5036
Set at #6 F.S.: S 66°34 E.	①	R46°20			-4°30' 3.75	7488

57

M Side G.P.

To SE End of Gravel Pit near bunker

To Union of Channels

To Gravel Plant

(?) Beyond Bunker

" " " "

" " " "

50' South " " " "

30' South of Old Channel Bank Edge of Brush

Extend point of Gravel 200 farther West.

" "

Grave Bank West of Pit (Transit at #6

(26)	L 9.41			-2°40' 3.40	680°
(25)	L 15°00'			-4°30' 2.00	400°
(24)	L 9°25			-11°15' 0.85	158°
(23)	R 142°00'			?	
(22)	R 127°25			-13°00' 1.48	289°
(21)	R 8°10'			-15°30' 1.15	222'
(20)	L 6°50			-6°20' 2.35	468'
(19)	Left 6°05'			-4°00' 3.33	665'
(18)	R 7°00'			-2°45' 4.00	800°
(17)	R 20°05			-2°00 6.00	1200°
(16)	R 30°12'			-1°30' 9.00	1800°
(15)	R 32°30'			-3°00' 5.35	1069'
(14)	R 27°50			-4°00' 4.05	809'

℄ R.R.

Location of R.R.

To Rock Point ± 650 ft.

In Road To Bunkers. E Side Old Channell

East Side Old Channell.

Near Bunker. (Same Course. To Bunker 20' farther)

N.E. Cor G. Pit.

(38)	L 135°30			+4°00' 0.96	197.6	℄ Highway
(37)	L 104°40'			+3°40 0.68	136.8	
(36)	L 33°16			-1°50 1.70	340	N.W. Cor Fill Sta.
(35)	L 39°40			-1°20 1.78	356	℄ Highway in front of Fill Sta.
(34)	L 26°00			-2°00' 3.01	602	
(33)	L 16°18'			-1°15 3.65	730	
(32)	L 1°50'			-0°45' 4.90	980	
(31)	R 7°00'			6.70	1340	
(30)	R 14°00			8.20	1640	℄ Highway.
(29)	R 17°40'			-1°15 7.70	1540	
(28)	R 9°10			-1°30 6.10	1220.6	℄ RR Track
(27)	L 1°30'			-2°00' 4.55	910.6	" "

59

Field Book No. 51

Pages 60 - 78 Blank