520 #39

X Sections.

On Pre. Line Down

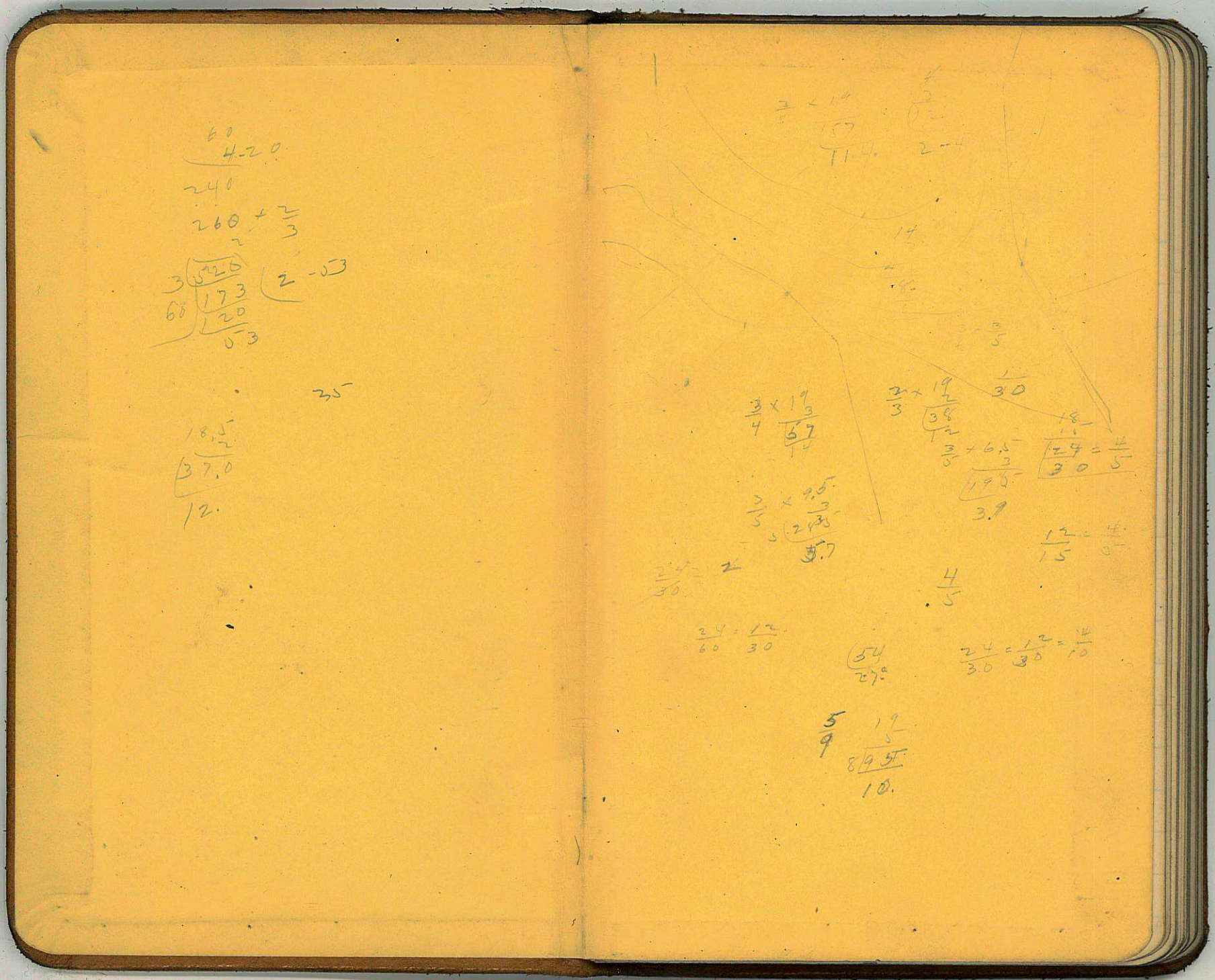
Sardine Canyon From.

Summit Wellsville Canyon.

39

LEVEL BOOK

1907



Index.

Page # 1. - 25 - Sta. 0+00 - 233+00

" 26 - Top. " 255+75 - 272+00

" 28 - Contours Wellsville Canyon. Line

28 - 37 - Sta. 29+00 - 125+00

Page 44 - Top. On Pre. Line Down Wellsville Canyon. Beg. At Sta. 0+00 On Line down Sardine Canyon.

Page 44 - 56 - 0+00 - 152+00. Top. On Pre. Line Down Wellsville Canyon. Beg North End Of Dry Lake

Page 60 - 69 - Sta. 0+00 - 90+93.5

1

X-Sections on Preliminary Line From Summit-Wellsville Canyon Down Sardine Canyon

12-3-19 { C.S. Hale, J.C. Burns, S. Dunford

Sta	Left, 1.	2.	Right
0+00	+14°35' / 100.0	+9°-12' / 39.0	-6°-20' / 27.0 +3°20 / 100,0
1+00	-4°06 / 100,0	+6°52' / 100,0	
2+00	-7°20 / 100,0	+8°25' / 100,0	
3+00	-8°12' / 92.0	+12°00 / 100.	
4+00	-9-17' / 91.0	+12'-33 / 106.0	
5+00	-10°40' / 104.0	+15°30' / 136.0	
6+00	-13°33' / 112.0	+17°38' / 115.0	
7+00	-16°00 / 90.0	+18°35' / 124,0	
8+00	-15°30 / 100.0	+19°00 / 105,0	

2

	Left	Right
9+00	-15°-20' / 130.0	+15°-00 / 97.00
10+00	-15°-00 / 120.0	+17°-50 / 122.0
11+00	-16°-08 / 110.0	+19°-00 / 46.0 +17°-38' / 135.0
12+00	-15°-15' / 130.0	+15°-50' / 130.0
13+00	-13-45' / 100.0	+15°-15' / 120.0
13+50	-9°+00 / 131.0	
14+00	10.0 Liner / 100.0 -5°-15' / 80.0	+0°-45' / 120.0
15+00	-23°-10' / 110.0 -29°-11 / 75.0	+14°-24' / 49.0 +11°-42' / 90.0
16+00	-20-16' / 85.0 -23°-33' / 65.0	+30°-45' / 45.0 12.0 / 100.0 Higher

12-4-19 Weather Fair,

3

Sta.	Left		Right	
17+00	-17°00 75.0	-17°05' 59.0	+21°16' 34.0	+24°30 100.0
18+00		-8°33' 83.0	+21°36' 122.0	
19+00	-15°02 112.0	-11°23' 40.0	+12°02 82.0	+12°58' 100.0
19+30			+11°40 18.0	+8°05' 74.0
20+00		-14°00 90.0	+17°16 142.0	
21+00		-13°10 128.0	+10°38' 111.0	
22+00		-13°06 90.0	+13°36' 112.0	
23+00		-23°16' 100.0	+13°15' 80.0	
24+00	-24°14 90.0	-28°10 53.0	+24°51' 50.0	20.0 Higher 100.0

	Left	℄	Right
25+00	-18°-52' 100.0		+24°-20 92.0
26+00	-22°-28 87.0		+22-45' 115.0
27+00	-19°-40 94.0		+21°-50 105.0
28+00	-19°-51 92.0		+20°-45' 107.0
29+00	-21°-15 100.0		+20°-22 105.0
30+00	-21°-20 100.0		+21°-05' 100.0
31+00	-23°-35' 95.0		+21°-45' 108.0
32+00	-23°-00 84.0	-27°-39' 32.0	+25°-50 100.0
33+00	-20°-50' 82.0		+19°-54' 80.0
34+00	-18°-45' 105.0		+17°-00 97.0

12-5-19 {Weather Cold, Windy

	Left	℄	Right
35+00	-15°17 110.0		+14°45 100.0
36+00	-11°40 110.0		+10°-10 84.0
37+00	-6°40' 115.0		+1°15 90.0
38+00	-0-15 125.0	+2°50 65.0	-18°15 100
39+00	+11°30 95.0	+15°10 85.0	-27°20 -25°00 75.0 100.0
40+00	10.0 Higher 100	+29°40' 65.0	-22°-35 70.0
41+00	+27-30 80.0		-17°35 100.0
42+00	+25°30' 100.0		-17°-45 -13°45 45.0 85.0
43+00	+22°30' 100.0		-20°00 70.0
44+00	+19°35 100.0		-16°20 100

6

Sta.		Left	Right
45+00		+15°-20 / 100.0	-9°-10' / 52.0 -6°-30' / 100.0
46+00		+14°-00 +10°-20' / 100.0 72.0	-2°-05' / 104.0
47+00		+6°-30' / 100.0 +4°-30' / 81.0	-4°-45' / 55.0 -1°-55' / 105.0
48+00		+14°-41' / 90.0	-10°-41' / 110.0
49+00		+11°-40' / 110.0	-13°-50' / 100.0
50+00		+17°-45' / 94.0	-19°-05' / 125.0
51+00		+19°-04' / 90.0	-21-45' / 100.0
52+00		+19-30 / 95.0	-21°-45' / 100.0

weather
1-2-20 Fair.

53+00	81.7	20	10	100	90	80	70	60	50	40	16-10	20°-40
		111	70	42	9	21	48	75	96	128	+~~27~~°-00	-34°-30
											100	100
54+00	87.5	20	10	100	90	80	70	60	50		16°-10	17°-20
		111	76	42	5	27	59	91	126		~~+27°-00~~	-29°-00
											100	100

7

		℄		℄		℄	
61	57.2	90 80 70 60 92 64 36 9		50 40 30 20 10 23 55 88 116 141		19°50 +33°00 100	17°10 -2 8°30 100
60+60	60.3	100 90 80 70 125 96 64 32		50 40 30 20 10 31 62 92 122 144		17°20 +2 40°00 100	18°00 -3 00°00 100
59+91	85.9	30 20 10 100 90 115 89 62 36 10		80 70 60 50 40 30 16 42 68 94 120 136		21°00 +35°00 100	21°00 -35°00 150
59	85.3	30 20 10 100 90 105 82 58 34 12		80 70 60 50 40 30 14 35 59 82 109 129		23°10 +38°00 100	23°20 -39°00 100
58+69.5	87.2	30 20 10 100 90 88 67 47 26 6				26°20 +44°00 100	
58	86.6	30 20 10 100 90 95 74 52 29 6		80 70 60 50 40 30 20 13 32 50 69 91 113 136		24°00 +40°00 100	28°30 -47°30 75
57+61.5	91.5	40 50 87 105 30 20 10 100 69 51 33 14		90 80 70 60 50 40 30 3 24 45 65 85 105 125		28°50 +46°00 100	26°10 -43°30 100
57	95.6	30 20 10 100 55 38 22 6		90 80 70 60 50 40 30 12 32 52 72 91 110 130		32°20 +54°00 50	27°60 -45°00 100
56	93.3	30 20 10 100 110 69 28		90 80 70 60 50 6 31 55 83 115		13°50 +23°00 100	23°20 -39°00 80
55	96.6	30 20 10 100 134 90 50 11		90 80 70 21 52 97		14°10 -23°30 100	17°20 -29°00 64
							19°40 -32°30 150
							15°40 -26°00 100

8

71	01.2	50 60 102 127 40 30 20 10 81 60 39 18	100 90 80 70 2 22 42 62	60 50 40 81 101 121	25-50 +43-00 100	27-00 -45-00 150
70	99.8	12 30 20 10 95 64 32	90 80 70 60 27 46 65 84	50 40 104 123	17-20 +19-00 80	15-40 25-50 -26-00 -43-00 150 100
69	03.3	50 40 30 20 10 113 89 65 41 8	100 90 80 70 60 50 4 34 60 83 104 125		22-30 +37-20 100	21-00 22-50 -35-00 -34-00 72 100
68	03.0	50 60 96 112 40 30 20 10 81 65 49 13	100 90 80 70 6 25 44 62	40 118 30 40 60 50 81 99 100	28-50 +48-00 80	28-10 -47-00 120
67	05.9	50 60 70 84 104 122 40 30 20 10 65 45 26 7	100 90 80 70 12 32 51 72	60 50 110 129	27-40 +46-00 80	27-00 -45-00 150
65+66	09.1	50 40 30 20 10 126 96 65 34 3	100 90 80 70 60 25 52 80 107 134		18-00 +30-00 100	28-10 -47-00 100
64+80	15.9	40 30 20 124 80 18	10 100 90 80 22 57 92 128		12-40 +21-00 100	15-50 -26-30 100
64	27.5	50 40 30 138 80 14	20 10 100 42 96 146		8-10 +13-30 100	10-50 -18-00 100
63	40.1	60 50 128 64	30 20 10 45 90 133		9-00 +15-00 80	12-40 -21-00 100
61+94 1.2	55.7	90 80 70 60 101 70 41 12	50 40 30 20 25 66 108 147	10	18-40 +31-20 100	13-50 -23-00 100

9

4

Sta,					
60+73	37.0	80 70 60 50 40 ~~107~~ ~~65~~	30 20 10 00 20 40 78 112	4° ~~2°00~~ 100	0.0 30	14° ~~32°00~~ 100
		1-14-20	Weather, Fair,			
80	36.5	80 70 60 50 40 50	30 20 10 00 22 56 86 116	2°20 ~~11°00~~ 100	6°50 ~~11°30~~ 30	16°50 ~~28°00~~ 100
79	40.7	80 70 40 50	30 20 10 00 25 48 73 94	1°00 ~~+30~~ 84	9°00 ~~+15°00~~ 28	22°30 ~~-37°30~~ 100
78	46.2	90 80 70 60 50 10	40 30 20 10 19 40 63 86	1°50 ~~-3°00~~ 100	11°10 ~~+6°30~~ 23	24°00 ~~-4°00~~ 100
77	55.6	00 90 80 70 60 ~~10~~	50 40 30 20 17 40 60 77	1°10 ~~+2°00~~ 75,0	10°10 ~~+17°00~~ 17,0	19°10 ~~-32°00~~ 32.	23°10 ~~-39°30~~ 56
76	65.2	10 00 90 80 70 15	60 50 40 30 9 26 45 61	Lev → 80	18°40 ~~+31°00~~ 300	30°00 ~~-50°00~~ 150
75	73.3	10 00 90 80 80 22	70 60 50 40 6 22 39 55	Lev → 100	18°00 ~~+30°00~~ 52	31°10 ~~-52°00~~ 150
74	77.3	10 10090 80 105 37 ~~90~~	70 60 5040 13 29 4665	12°40 ~~+21°00~~ 90	20°40 ~~+34°00~~ 34	30°00 ~~-50°00~~ 150
73	68.4	10 100 90 38 21 3	80 70 60 50 14 31 48 66	135 40 30 40 84 100 118	30°00 ~~+50°00~~ 30	30°00 ~~-50°00~~ 150
72	61.5	40 30 20 10 69 57 33 15	100 90 80 70 4 21 39 63	60 50 40 73 90 108	28°50 ~~+46°00~~ 60	30°00 ~~-50°00~~ 150

10

54a

| | | E | | |

11

Sta.		℄	℄	℄
101	48.5	80 70 60 50 40 30 20 10 135 73 10	50 60 20 10 55 110	9° 5° 30 + 15°-00 00 + 8°-30 100 50 100
100	47.7	80 70 60 50 40 30 20 10 123 70 11 46 98		10 9° 9° 30 + 17°-30 + 14°-30 - 16°-00 rev. 100 50 90 100
99	42.3	80 70 60 50 40 30 20 10 102 64 30 11 55 100		15°30 12°30 + 27°-00 - 21°-30 100 100
98	52.0	90 80 70 60 50 40 30 20 126 81 44 8 45 83 120		12°30 15° 15°30 + 22°-00 - 25°-00 - 27°-00 100 80 100
97	59.2	0 90 80 70 50 40 30 20 120 80 40 25 56 84 110		14° 20° + 23°-30 - 34°-00 100 100
96	64.9	0 90 80 70 60 50 40 30 88 52 20 20 49 81 115		16° 17° + 26°-30 - 26°-00 100 100
95	66.3	0 90 80 70 60 50 40 30 105 77 45 13 19 52 84 118		17°30 17° + 28°-00 - 28°-00 100 100
94	75.2	90 0 90 80 70 60 80 40 105 75 45 15 16 45 73 102		18°30 19° + 31°-00 - 31°-00 100 100
93	80.3	20 10 00 90 70 60 50 40 96 72 48 24 30 60 135		23° 18° 15° + 38°-30 - 30-00 - 25-00 100 75 200
92	84.1	20 10 00 90 80 70 60 50 106 80 46 29 40 76 130		21° 15° 19 2°30 10° + 35°-00 + 29-30 + 32°-00 + 4°-00 - 17°-00 150 100 50 20 100

12

Sta,		℄ R		℄
110	05,7	40 30 20 10 55 40 23 10	0 90 80 70 10 27 45 62	31 30 +~~52~~°-00 100	30 -~~50~~°-00 150
108+70	09,0	40 30 20 10 58 46 24 2	0 90 80 70 23 50 76 102	24°40 +~~41~~°00 100	21 -~~35~~°-00 150
108	10,1	50 40 30 20 72 54 36 18	0 90 80 70 18 36 54 75	29° +~~46~~°30 100	29° -~~48~~°-00 75
107+60	12,4	50 40 30 20 ~~93 65 37 11~~	10 0 90 80 6 31 57 84		21° -~~45~~°-00 100
107	16,3	50 40 30 20 93 65 37 11	10 0 90 80 11 29 47 64	20 +~~33~~°00 100	28°30' -~~47~~°-00 75
106	20,3	60 50 40 30 97 73 49 25	10 0 90 80 25 47 71 95	22°30 +~~37~~°30 100	23° -~~38~~°-00 100
105	23,1	60 50 40 30 77 60 27 11	20 10 0 90 5 22 38 54	31°30 +~~52~~°-00 100	31°30 -~~52~~°-00 100
104	29,9	70 60 50 40 90 67 45 22	20 10 0 90 23 46 68 90	24 +~~40~~°-00 100	24 -~~40~~°-00 100
103	36,3	70 61 50 40 105 73 42 12	30 20 10 0 12 35 54	15 +~~25~~°-00 100	25°30 -~~42~~°-00 L.C.V. 60 100
102	42,3	~~80~~ 70 60 50 135 88 40	40 30 ~~20 10~~ 4 123	11°30 +~~19~~°00 100	3°40 -~~6~~°-00 50

℄	
2°30 +~~4~~°-00 100	

Sta.		℄ ℄	℄
118+20	71,6	10 00 90 80 70 60 50 40 96 60 27	14 30 + 28 - 30 100
118	72,2	10 00 90 80 70 60 50 40 94 60 27 T 42 77 12	16° 30 + 28° - 30 100
117	67,5	00 90 80 70 60 50 40 30 71 50 25 6 20 36 64 100	16° - 26° - 30 100
116	73,6	10 00 90 80 70 60 50 40 80 55 34 14 T 29 90 70	24° 30 + 40° - 00 100
115	73,5	10 00 90 00 70 60 50 40 101 75 47 19 10 36 65 96	20° - 33° - 30 60
114	80,9	20 10 00 90 70 60 50 40 97 73 49 25 18 35 53 70	18° - 30° - 00 100
113+60	83,2	20 10 00 90 80 70 60 50 T 52 30 T T 30 53 74	24 + 40° - 00 150
113	86,9	20 10 00 90 80 70 60 50 74 52 30 T 15 34 57 75	26° - 44° - 00 100
112	82,7	20 10 00 90 80 70 60 50 77 58 36 16 7 25 50 71	28 + 33° - 30 100
111	96,7	30 20 10 00 90 80 70 60 69 45 27 7 14 35 60 83	21° - 36° - 00 40
			19° 30 - 31° - 00 100
			22° 40 + 39° - 00 100
			29° 30 - 49° - 00 100
			23° 30 - 39° - 00 100
			23° 30 + 39° - 00 100
			25° - 44° - 30 100
			25° + 42° - 00 100
			25° - 42° - 00 100
			26 + 43° - 00 100
			24° - 40° - 00 150

14

Sta.		℄	℄	℄
127	23.2	60 50 40 30 70 50 31 13	20 10 0 90 8 30 52 95	28 +46°-00 100
126	20.6	60 50 40 30 82 61 40 20	10 0 90 80 29 59 88 117	24° +43°-00 100
125	26.8	60 50 40 30 63 43 25 6	20 10 00 90 20 48 77 106	28° +46°-00 100
124	32.7	70 60 50 40 75 55 35 15	30 20 10 90 10 45 80 115	26° +43°-00 100
123	40.7	80 70 60 50 82 61 40 20	30 20 10 0 30 65 120	26° +43°-30 100
122	48.4	80 70 60 50 76 52 28 5	40 30 20 10 30 70 88	23° +38°-30 100
121	52.3	90 80 70 60 110 82 52 22	50 40 30 20	19° +31°-00 100
120+20	59.3	90 80 70 60 140 71 5	50 40 30 20 40 125	8°30 +14°-00 125
120	56.2	90 80 70 60 104 78 48 24	50 40 30 20	18° +30°-00 100
119	67.0	00 90 80 70 103 72 41 10	60 50 40 30 20 49 88	18° +30°-00 100

℄	℄
23°30 -39°-00 60	19 -32°-00 100
19° -31°-00 100	
19°30 -33°-00 100	
16° -27°-00 100	
18° -30°-00 60	15° -25°-30 100
14°20' -24°-00 80	12° -20°-00 100
8°30 -14°-00 200	
10° +17°-00 60	
19° -32°-00 60	16°30 -28°-00 100

15

Sta		℄	℄
137	58.7	90 80 70 60 50 40 30 20 47 32 17 2 15 29 45 59	33° 30 +56°-00 100
136	61.0	00 90 80 70 60 50 40 30 59 45 29 15 2 17 32 47	33° 30 +56°-00 100
135	63.9	8 90 80 70 60 50 40 30 52 37 21 6 10 26 42 59	33° 30 +56°-00 100
134	74.8	10 0 90 80 70 60 50 40 56 40 22 8 8 22 40 56	32° 30 -54°-00 100
133	78.7	10 00 90 80 70 60 50 40 45 32 17 2 14 29 45 59	33° 30 +56°-00 100
132	88.1	20 10 0 90 80 70 60 50 48 33 18 3 12 27 42 57	33° 30 +56°-00 100
131	96.4	30 20 10 0 90 80 70 60 56 38 23 6 11 32 52 72	31° 30 +52°-00 100
130	97.8	30 20 10 0 90 80 70 60 55 35 20 3 18 40 63 95	30 +50°-00 100
129	04.4	40 30 20 10 0 90 80 70 69 49 29 10 9 30 52 75	27 +45°-00 100
128	12.1	50 40 30 20 10 00 90 80 81 63. 40 18 7 37 68 98	24° +43°-00 100

℄

56
.6
33.6

℄	℄
33° 30 +56°-00 100	33° 30 -56°-00 100
33° 30 +56°-00 100	33° 30 -56°-00 100
33° 30 +56°-00 100	32° 30 -54°-00 100
32° 30 -54°-00 100	32° 30 +54°-00 100
33° 30 +56°-00 100	33° 30 -56°-00 100
33° 30 +56°-00 100	33° 30 -56°-00 75
31° 30 +52°-00 100	24° -43°-00 100
30 +50°-00 100	24° -40°-00 100
27 +45°-00 100	25° -41°-30 100
24° +43°-00 100	24° +40°-00 75

30°
-50°-00
100

18°
-30°-00
100

16 Elev

Sta.

℄ ℄

147 92.0 40 50 / 77 94
30 20 10 00 | 90 80 70 60 50 | 40 30
62 45 29 14 | 5 20 36 52 68 | 85 100
32 32°
+54.00 −54.00
100 100

146 00.0 50 60 / 46 104
40 30 20 10 | 90 80 70 60 50 | 48
69 51 34 16 | 48 35 52 69 86 | 94
Weather
1-15-20 Fair
30 30
+54.00 −54.00
100 100

145 08.5 60 / 98
50 40 30 20 10 | 00 91 80 70 60 | 39
79 60 41 22 3 | 15 34 53 71 88 | 109
28 28
+46.00 −46.00
100 100

144 16.9 70 / 104
60 50 40 30 20 | 10 00 90 80 | 91
85 64 45 25 6 | 13 33 53 73 | 93
27 27
+45.00 −45.00
100 100

143 19.8 60 50 40 30
165 48 32 16 | 16 32 48 128/65
30° 30°
+50.00 −50.00
100 100

142 29.9 70 60 50 40
64 48 32 16 | 16 32 48 64
32° 32°
+53.00 −53.00
100 100

141 33.7 70 60 50 40 | 30 20 10 00
55 38 24 9 | 6 21 37 52
33°30 33°30
+56.00 −56.00
100 100

140 37.2 70 60 50 40 | 30 20 10 00
52 36 21 5 | 10 26 42 58
32°30 32°30
−54.00 +54.00
100 100

139 46.2 80 70 60 50 | 40 30 20 10
52 36 22 10 | 10 24 41 58
33°30 33°30
+56.00 −56.00
100 100

138 52.5 90 80 70 60 | 50 40 30 20
54 41 24 12 | 3 19 33 48
34° 34°
+57.00 −57.00
100 100

℄ ℄

17

Sta.	Elev.	℄			℄	
157	40.4	90 80 70 60 50 97 79 60 40 20	30 20 10 00 90 20 40 60 79 97		27°30' +45°-00 100	27°30 -45°-00 100
156	39.9	100 90 80 70 60 50 96 80 64 48 32 16	30 20 10 00 90 80 16 32 48 64 80 96		32° +53°-00 100	32° -53°-00 100
155	45.5	110 90 80 70 60 50 87 68 46 25 9	40 30 20 10 00 90 10 29 55 76 96 118		31°30 +52°-00 100	28°30 -48°-00 100
154	54.0	100 90 80 70 60 110 92 74 53 29 11	50 40 30 20 10 8 27 43 69 91		29° +48°-00 100	29° -48°-00 100
153	55.2	100 90 80 70 60 94 74 52 26 9	50 40 30 20 10 10 28 50 75 95		28° +46°-00	28° -46°-00
152	64.3	120 110 100 90 80 70 115 96 67 49 30 11	60 50 40 30 20 10 8 25 49 68 88 108		28° +46°-00 100	30° -50°-00 100
151	66.5	30 20 101 80 10 69 57 90 37 80 70 100 21 3	60 50 40 30 20 12 29 48 82 106		32° +54°-00 100	30°30 -51°-00 50
+92						26°30 -44°-00 100
150	64.0	20 30 99 130 100 90 80 70 84 66 48 30 11	50 40 30 20 11 29 64 97 127	30° +50°-00 130	28°30 +48°-00 90	20° -34°-00 100
149	77.7	20 30 73 90 100 90 80 55 34 21 3	70 60 50 40 30 15 34 53 72 90		30° +50°-00 100	25° -46°-00 100
148	85.6	40 94 30 20 10 00 90 78 59 41 24 7	80 70 60 50 40 11 28 45 62 79	30° +50°-00 78	30° +50°-00 100	30° -50°-00 100

℄

18

Sta.	Elev.	℄		℄	
167	76.7	30 94 20 10 00 90 80 70 60 50 40 30 20 76 59 40 23 5 12 31 49 66 83 101		29°30' +48°-00 100	29°30 48°-00 100
166	81.6	40 30 20 10 00 90 80 70 60 50 40 30 113 85 67 49 32 14 4 22 40 57 75 93		29°30 +48°-30 100	29°30 48°-30 100
165	89.1	40 30 20 10 00 90 80 70 60 50 40 30 90 72 55 37 19 2 17 34 52 69 87 104		29°30 +48°-00 100	29°30 -48°-00 100
164	95.7	50 101 40 30 20 10 00 90 80 70 60 50 40 82 63 45 25 7 12 31 50 68 87 106		28 +46°-00 100	28° -46°-00 100
163	04.8	60 50 40 30 20 10 00 90 80 70 60 50 101 83 64 45 25 8 10 28 49 65 85 102		28°30 +47°-00 100	28°30 -47°-00 100
162	08.8	60 90 50 40 30 20 10 00 90 80 70 60 73 55 37 19 1 17 34 52 73 92		29°30 +49°-00 100	29°30 -49°-00 100
161+30	02.5	60 100 50 40 30 20 10 00 90 80 70 60 50 82 65 48 30 13 4 21 38 53 81 110		30 +50°-00 100	31° -52°-00 70 24°30 -44°-00 100
160	18.6	70 105 60 50 40 30 20 10 00 90 80 70 94 63 42 22 2 18 39 59 78 100		26° +43°-00 100	26° -43°-00 100
159	25.5	80 70 60 50 40 30 20 10 00 90 80 111 91 72 49 29 10 11 31 53 72 93		26°30 +44°-00 100	26°30 -44°-00 100
158	33.1	80 70 60 50 40 30 20 10 00 90 80 94 76 55 38 15 ℄ 7 27 47 68 88 107		26°30 +44°-00 100	26°30 -44°-00 100

Sta	℄		℄		
177	12.4	80 108 / 70 60 50 40 30 20 10 00 90 80 70 60 50 / 92 77 60 45 29 12 3 19 35 51 67 82 98	32-30 +54°-00 100	32-30 -54°-00 100	
176	20.7	70 80 81 108 / 60 50 40 30 20 10 00 90 80 70 60 / 65 48 32 15 3 19 36 52 69 85 101	31-20 +52°-00 100	31-20 -52°-00 100	
175	24.9	80 104 / 70 60 50 40 30 20 10 00 90 80 / 89 69 49 29 10 10 30 50 69 100	27°-00 +45°-00 100	27°-00 -45°-30 90	25°-30 -42°-30 100
174	35.1	80 70 60 50 40 30 20 10 00 / 111 86 61 35 13 17 40 65 91	22-00 +37°-00 100	21°-30 -37°-00 100	
173	29.9	70 60 50 40 20 10 00 80 / 110 82 54 27 26 52 78 104	20°-00 +33°-30 100	21°-00 -35°-00 100	
172	33.1	60 50 40 30 20 10 00 90 / 97 61 26 8 31 54 80 102	15°-30 +26°-00 100	23°-00 -38°-30 100	
171	53.6	90 80 70 60 50 30 20 10 00 / 117 85 52 19 10 31 52 74 94	17-00 +28°-00 100	25°-10 -42°-00 100	
170	60.3	00 90 80 70 50 40 30 20 10 00 / 113 85 55 28 20 37 53 72 90 107	19°-30 +32°-00 100	29-00 -48°-00 100	
169	67.6	10 00 90 80 70 60 50 40 30 20 10 / 103 79 54 31 7 17 40 57 72 86 100	22°-30 +35°-30 100	23°-20 -39°-00 61	28°-30 -47°-00 100
168	73.8	70 10 00 90 80 70 60 50 40 38 / 104 81 59 36 13 ℄ 9 31 54 76 99	24°-00 +40°-00 100	24°-00 -40°-00 100	

20

S+C

187	57.6	10 00 90 80 70 60	50 40 30 20 10	00 90	27°-00	33°-30
		102 83 63 43 23 4	12 28 43 58 73	88 103	+45°-00	-56°-00
					100	100
186	66.4	10 00 90 80 70	60 50 40 30 20		22°-00	22°-00
		105 84 59 34 10	15 40 64 89 114		+37°-00	-37°-00
					100	100
185	68.9	10 00 90 80 70	60 50 40 30		22°-00	22°-00
		102 77 51 27 3	22 47 72 98		+37°-00	-37°-00
					100	100
184	78.3	20 10 00 90 80	70 60 50 40		20°-00	20°-00
		115 89 60 33 5	21 50 77 105		+33°-30	-33°-30
					100	100
183	84.8	30 20 10 00 90	80 70 60 50 40		21°-30	21°-30
		115 90 63 37 12	12 37 63 90 115		+36°-00	-36°-00
					100	100
182	89.4	30 20 10 00 90	80 70 60 50		23°-30	23°-30
		95 71 48 25 2	20 43 68 90	80 113	+39°-00	-39°-00
					100	100
181	93.1	50 40 30 20 10	00 90 80 70 60		26°-00	26°-00
		96 76 56 35 14	7 27 49 68 89	50 109	+43°-00	-43°-00
					100	100
180	00.9	50 40 30 20 10	00 90 80 70 60		27°-00	27°-00
		96 76 57 37 17	2 21 41 61 81	50 100	+45°-00	-45°-00
					100	100
179	00.4	50 100			26°-40	26°-40
		40 36 20 10	90 80 70 60	50 100	+44°-30	-44°-30
		80 60 40 20	20 40 60 80		100	100
178	0.6.8	60 99			28°-00	28°-00
		38 40 30 20 10	00 90 80 70 60	50	+47°-00	-47°-00
		81 62 43 25 7	14 33 51 70 89	106	100	100

21

197 87.5 10 00 90 80 70 60
129 76 13 47 82 116

196 85.5 00 90 80 70
18 57 67 27 78

195 88.8 20 10 00 90 80 70 60
110 80 45 4 87

80 90
70 83 96 110 00 90 80
19 70 130

194 89.9 60 50 40 30 20
69 55 41 28 14 98

80 00 90
193 21.7 70 60 50 40 30 106 20 36 76 128
93 80 64 41 18 200

Korach House

192 25.4 50 40 30 20 10 00
117 70 24 26 69 117

191 22.4 50 40 30 20 10
120 78 35 11 74

190 33.5 80 70 60 50 40 30 20 10 00
116 91 66 39 15 11 38 70 109

Weather
1-20-20 Fair

189 49.2 90 80 70 60 50 40 30 20 10 00
110 83 56 29 3 16 33 50 68 100

188 54.6 100 90 80 70 60 50 40 30 20 10 00 90
119 90 68 48 26 10 6 23 39 54 70 85 100

10°-00 9°-00 11°-00 13°-00
+17°-00 +15°-00 -17°-00 -22°-00
150 130 46 100

9°-00 6°-00 12°-00 10°-00
+15°-00 +10°-00 -20°-30 -16°-30
150 100 60 100

15°-30 14°-00 6°-00
+27°-00 +23°-30 -10°-00
100 66 100

36°-00 27°-00 15°-00
+ 60°-00 -45°-00 -25°-00
100 26 85

27°-00 24°-00 18°-00 15°-00
+45°-00 +40°-00 -30°-00 -25°-00
100 76 60 100

12°-30 12°-30
+22°-00 -21°-00
100 100

13°-00 9°-00
+22°-00 -15°-00
100 100

21°-30 18°-30 17°-50
+36°-00 -32°-00 -29°-30
100 78 100

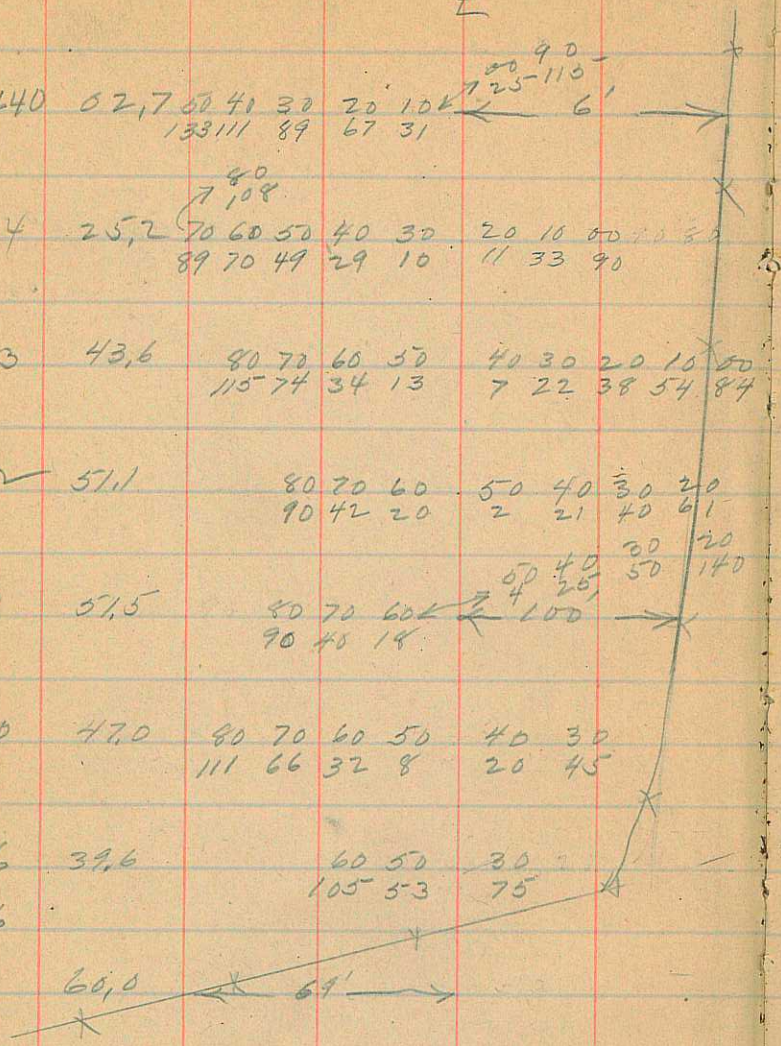
20°-50 29°-00 27°-00
+34°-00 -49°-00 -45°-00
100 100 150

23°-30 27°-00 33°-00
+38°-00 +43°-00 -55°-00
150 100 150

E

| | | |

217	71,5	00 90 80 70 60 50 140 90 40 11 69 126	11°-20 +19°-00 100	15°-00 -17°-00 100
216	75,6	00 90 80 70 60 50 103 64 17 27 70 121	13°-00 +21°-30 100	12°-00 -20°-00 100
215	83,2	10 00 90 80 70 60 113 73 30 14 54 104	13°-00 +21°-00 100	12°-30 -20°-30 100
214	88,3	20 10 00 90 80 70 60 135 82 41 7 35 78 120	14°-40 16°-00 +24°-30 +27°-00 100 52	13°-00 -21°-30 100
213	92,4	20 10 00 90 80 70 60 120 76 32 9 51 95 138	13°-00 +22°-00 100	13°-00 -22°-00 100
212	93,7	30 20 10 00 90 80 70 132 95 55 15 24 64 107	14-20 +24°-00 100	13°-40 -23°-00 100
+20				
211	98.3	40 30 20 10 00 90 80 70 60 124 98 67 32 50 27 62 97 133	18°-01 +30°-00 100	16°-00 -27°-00 100
210	08,5	50 40 30 20 10 00 90 80 70 122 92 63 34 6 22 49 76 102	19°-00 +32°-00 100	20°-30 -34°-00 100
209	19,2	60 50 40 30 20 10 00 90 80 70 104 79 53 28 2 20 43 66 89 112	21°-30 +36°-00 100	23°-40 -38°-30 100
208	22,6	70 60 50 40 30 20 10 00 90 80 105 83 60 34 15 7 27 49 69 90	24°-00 +40°-00 100	25°-30 -44°-00 100



℄

225 40 02,7 80 70 60 50 40 30 20 10 00
133 111 89 67 31

224 25,2 70 60 50 40 30 20 10 00
89 70 49 29 10 11 33 90

223 43,6 80 70 60 50 40 30 20 10 00
115 74 34 13 7 22 38 54 84

222 51,1 80 70 60 50 40 30 20
90 42 20 2 21 40 61

221 51,5 80 70 60 50 40 30 20
90 40 18

220 47,0 80 70 60 50 40 30
111 66 32 8 20 45

+56 39,6 60 50 30
105 53 75

+46

219 60,0

+70 70,7 60 70
103 48

218 69,1 90 80 70 60 50 40
120 62 7 47 86 119

℄

56
16
40

17°30 12°30 6°30
+29°00 +21°00 -12°00
100 60 100

27°00 24°00 18°00
+43°00 -40°00 -30°00
100 36 65

18°00 24°40 32°30 27°00
90 +30°30 +41°00 -54°00 -45°00
125 100 44 70 100

18°00 24°00 28°00 24°00
10 +30°00 +40°30 -46°00 -40°00
90 86 46 60 100

17°30 24°40 26°10 16°00
+29°00 +41°00 -43°30 -26°30
90 46 46 100

17°00 21°30 21°30
+28°30 +36°00 -36°00
100 50 45

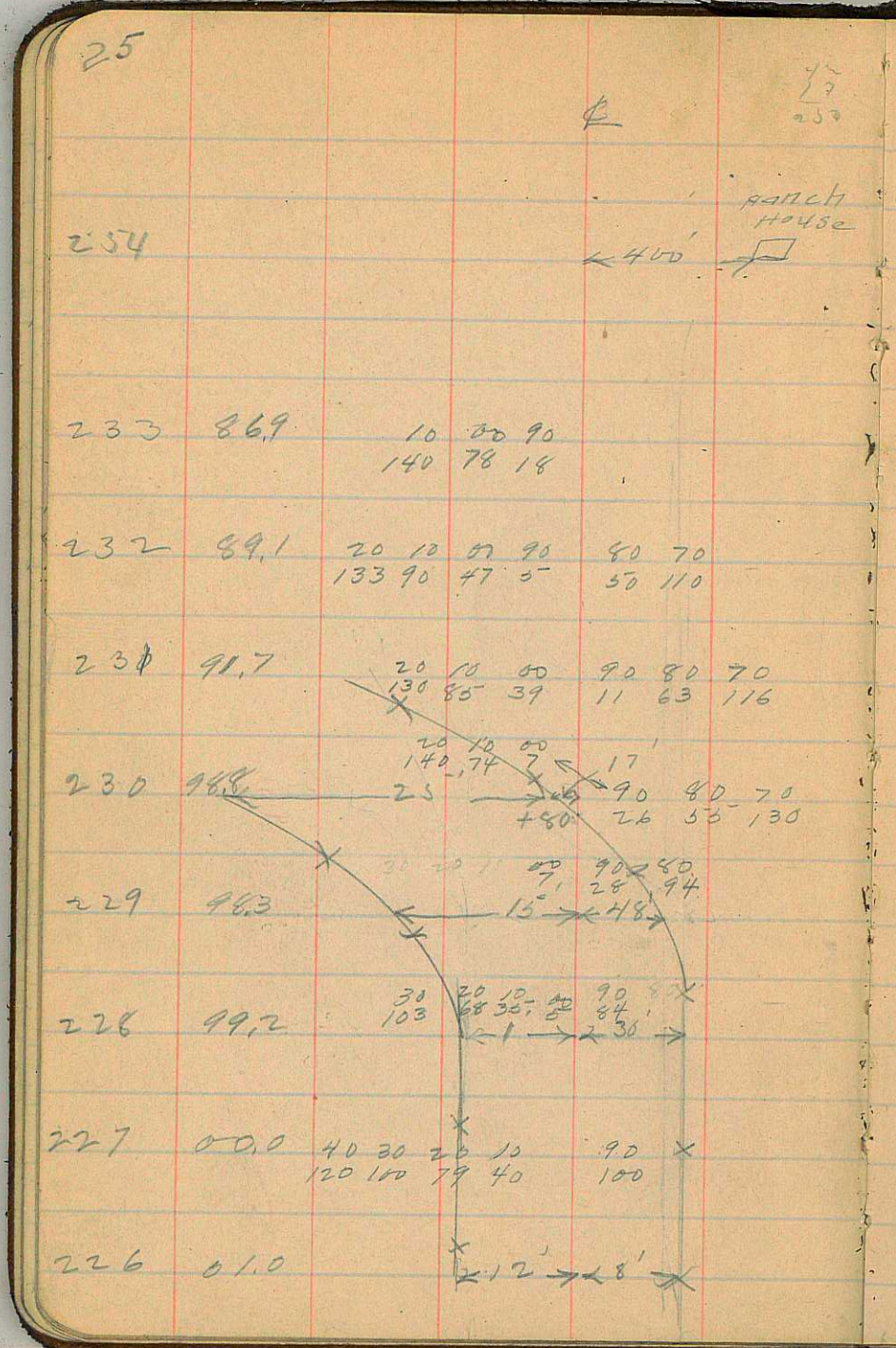
11°00 7°10
+18°30 -12°00
200 100

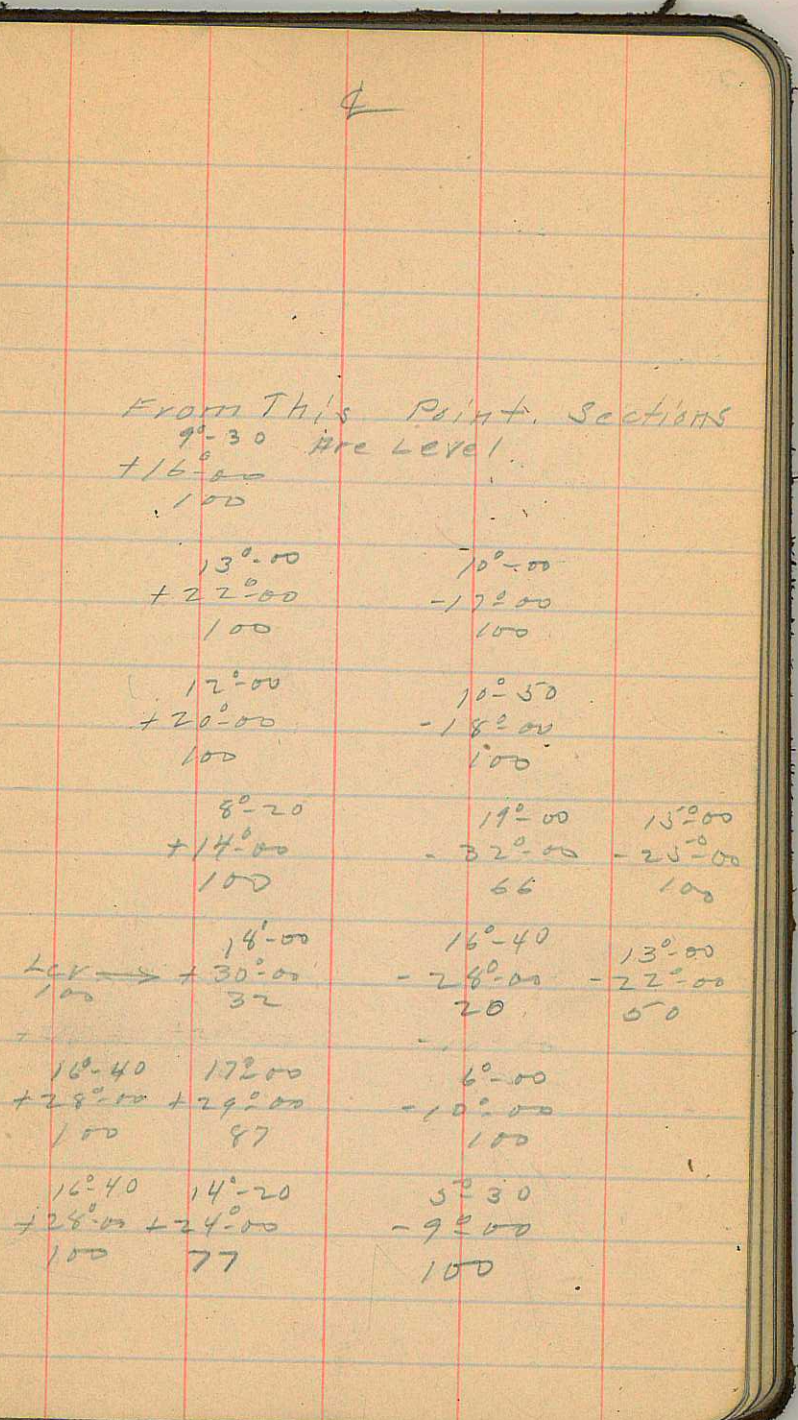
2°30
-4°00
100

6°00
-8°00 00
100 40

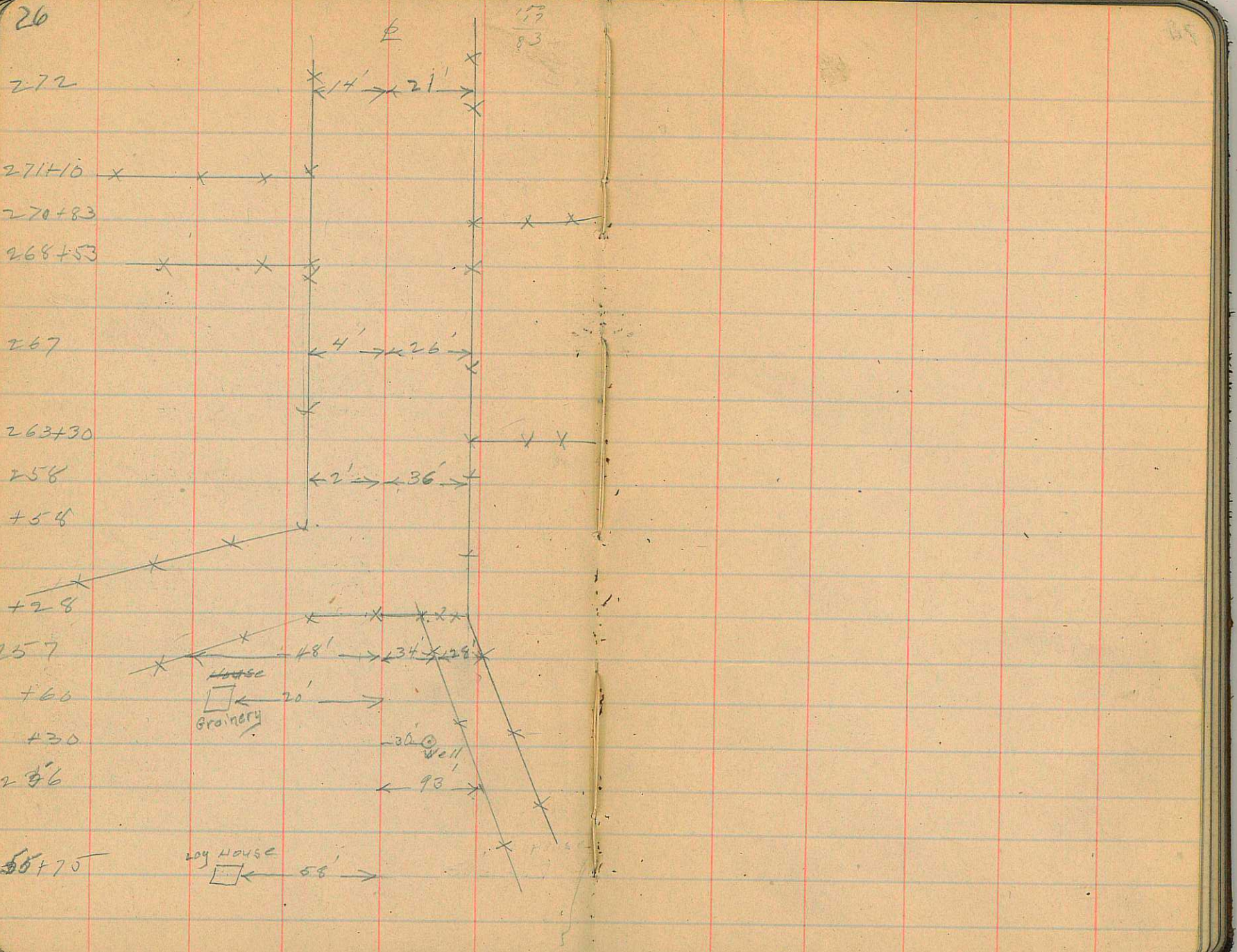
10°00 11°20 13°00
+17°00 -19°00 -22°00
100 60 90

25


℄
254
ranch House
400'
233 86.9
10 00 90
140 78 18
232 89.1
20 10 00 90 80 70
133 90 47 5 50 110
231 91.7
20 10 00 90 80 70
130 85 39 11 63 116
230 98.8
20 10 00
140 74 7
17'
25'
90 80 70
+80 26 55 130
229 96.3
00 90 80
7 28 94
15°
48'
228 99.2
30 20 10 00 90
103 68 30 5 84
1
2
30'
227 00.0
40 30 20 10 90
120 100 79 40 100
226 01.0
12'
8'


℄
From This Point, Sections
9°-30 are Level.
+16°-00
100
13°-00 10°-00
+22°-00 -17°-00
100 100
12°-00 10°-50
+20°-00 -18°-00
100 100
8°-20 14°-00 13°-00
+14°-00 -32°-00 -25°-00
100 66 100
14'-00 16°-40 13°-00
Lev → +30°-00 -26°-00 -22°-00
100 32 20 50
16°-40 17°-00 6°-00
+28°-00 +29°-00 -10°-00
100 87 100
16°-40 14°-20 5°-30
+28°-00 +24°-00 -9°-00
100 77 100

26


℄
272
14'
21'
271+10
270+83
268+53
267
4'
26'
263+30
258
2'
36'
+58
+28
257
48'
34'
28'
House
Brewery
20'
+66
+30
30'
Well
256
93'
Log House
255+70
58'

28 Contours On Wellsville Canyon Line
From Sta. 29+00 To Sta. 125 ℄

38+00	56.5	20	10	100	90	80	70	60
		120	106	95	81	68	45	15
37+00	62.5	20	10	100	90	80	70	
		115	98	80	63	45	20	
36+00	67.6	30	20	10	100	90	80	70
		124	107	90	73	56	34	7
35+00	76.0	30	20	10	100	90	80	
		132	114	95	75	50	14	
34+00	79.9	40	30	20	10	100	90	
		135	123	110	96	78	60	
33+00	83.9		30	20	10	100	90	
			147	134	110	87	61	
32+00	90.5		130	120	110	106		
			128	110	92	174		
31+00	02.0	50	40	30	20	10		
		160	147	136	121	108		
30+00	12.1		50	40	30	20		
			173	160	147	123		
29+00	21.0		70	60	50	40	30	
			162	148	135	122	109	

48+00	03.7					40	30	20	10
						196	163	128	94
47+00	07.3				40	30	20	10	
					180	154	128	75	
46+00	11.9					40	30	20	
						181	152	123	
45+00	20.1				60	50	40	30	
					189	165	141	117	
44+00	25.7					50	40	30	
						180	153	125	
43+00	29.7					50	40		
						184	160		
42+00	34.7				70	60	50	40	
					146	119	76	38	
41+00	38.6	10	100	90	80	70	60	50	40
		173	160	148	125	98	64	33	3
40+00	42.0					80	70	60	50
						130	98	67	35
39+00	47.0				90	80	70	60	50
					117	99	80	61	43

58+00	55.0				100		90	80	70	60
					213		184	154	127	95
57+00	63.0		30	20	10		100	90	80	70
			191	177	164		149	125	100	76
56+00	73.8						10	100	90	80
							140	121	100	81
55+00	79.6						30	20	10	100	90
							163	143	124	105	85
54+00	81.1				40		30	20	10	100	90
					179		165	152	131	110	89
53+00	82.8			40	30			20	10	100	90
				209	197			184	167	142	117
52+00	84.1							20	10	100	90
								224	200	174	134
51+00	88.9							20	10	100	90
								190	159	110	10
50+00	93.6				40			30	20	10	100
					204			169	135	102	47
49+00	99.1				40			30	20	10	100
					199			168	136	104	35

68+00	05.7				60	50	40	30	20	10
					121	104	87	70	54	36
67+00	10.2				70	60	50	40	30	20
					146	133	118	102	88	71
66+00	14.4				70	60	50	40	30	20
					135	122	108	95	82	69
65+00	18.6			90	80	70	60	50	40	30	20
				149	136	123	110	97	85	71	12
64+00	22.8				80		70	60	50	40	30
					171		155	139	123	107	91
63+00	26.6				80		70	60	50	40	30
					179		166	152	139	126	113
62+00	32.9							70	60	50	40
								170	153	135	119
61+00	38.0				90		80	70	60	50	40
					189		175	162	149	136	22
60+00	43.01							80	70	60	50
								250	238	191	78
59+00	48.3							80	70	60	50
								200	172	145	35

78+00	51.7			10	100	90	80	70	60
				177	160	142	125	107	86
77+00	55.4		20	10	100	90	80	70	60
			175	162	150	137	113	92	68
76+00	61.7		30	20	10	100	90	80	70
			188	168	148	128	107	87	66
75+00	66.4			20	10	100	90	80	70
				160	144	127	111	95	79
74+00	72.4		40	30	20	10	100	90	80
			162	148	134	119	105	91	77
73+00	78.3			30	20	10	100	90	80
				162	148	133	120	105	92
72+00	83.7		50	40	30	20	10	100	90
			167	153	139	124	108	90	72
71+00	90.0			50	40	30	20	10	100
				151	135	120	104	88	72
70+00	94.9			50	40	30	20	10	100
				119	108	95	80	66	45
69+00	60.9			60	50	40	30	20	10
				128	114	99	87	72	52

88+00	0.5.6				60						
					183						
87+00	09.9			80	70						
				182	168						
86+00	14.8										
85+00	20,5										
84+00	24.5				80						
					177						
83+00	27.3			90	80						
				192	178						
82+00	32.4				90						
					184						
81+00	36.6			100	90						
				159	143						
80+00	42.8			10	100						
				166	150						
79+00	46.9	20	10		100						
		164	151		137						

						50	40	30	20	10	
						170	156	143	123	100	
						60	50	40	30	20	
						155	140	126	112	98	
							50	40	30	20	
							137	123	106	90	
							60	50	40	30	
							145	130	114	98	
						70	60	50	40	30	
						163	148	133	117	88	
						70	60	50	40	30	
						161	146	130	115	89	
						80	70	60	50	40	
						168	149	128	108	86	
						80	70	60	50	40	
						128	112	96	77	53	
						90	80	70	60	50	
						133	117	101	85	68	
						90	80	70	60	50	
						124	110	96	80	57	

98+00	58.6	40	30	20	10	160	90	80	70	60
		146	130	113	95	78	61	46	32	13
97+00	65.2	40	30	20		10	100	90	80	70
		125	111	97		83	69	55	42	15
96+00	71.7		40	30		20	10	100	90	80
			132	115		98	81	65	48	29
95+00	77.3	50	40	30		20	10	100	90	80
		150	136	122		110	97	79	50	11
94+00	79.4		40	30		20	10	100	90	80
			147	133		120	107	93	80	20
93+00	81.3		50	40		30	20	10	100	90
			163	149		135	121	107	93	59
92+00	84.6	60	50	40		30	20	10	100	90
		200	186	172		158	145	131	93	30
91+00	96.6			50		40	30	20	10	100
				203		189	175	160	139	102
90+00	94.8					40	30	20	10	100
						200	186	171	140	92
89+00	80.1					50	40	30	20	10
						212	198	185	171	135

| | | |

118+00	62.7		90	80	70
			113	41	17
117+00	68.1		90	80	76
			156	35	6
116+00	72.3			90	80
				58	25
115+00	76.2		100	90	80
			132	44	12
114+00	81.0		10	100	90
			178	72	29
113+00	87.4		10	100	90
			115	41	10
112+00	94.9		20	10	100
			119	50	16
111+00	97.2	30	20	10	100
		96	69	39	9
110+00	02.6		30	20	10
			58	36	15
109+00	07.0	50	46	30	20	10
		66	51	35	20	4

37

℄

126+00 28.1

125+00 33.1

124+00 37.0

123+00 43.3

122+00 48.5

121+00 53.5

120+00 56.5

119+00 58.7

50 40
85 34

50 40
535 12

60 50
465 27

60 50
44 4

70 60
75 27

80 70 60
140 55 13

80 70 60
144 55 5

44

Topog. Of Preliminary Line Down Wellsville Canyon

Beginning Sta. 0+00 of Line Down Sardine Canyon

12-24-19 Weather Fair

Sta.		℄	℄
8+00	13.9	←20'→ 20 10. / 50 40 30 21 37 / 105 79 49	+19°00 / 100 — -7°40 / 100
7+00	15.4	50 40 30 20 10 / 85 69 51 27 47	+23°30 / 100 +12°00 / 40 — -6°30 / 100
6+00	18.6	50 40 30 20 10 / 72 58 35 11 155	+24°00 / 100 +18°00 / 75 — -3°00 / 100
5+00	22.3	60 50 40 30 20 / 98 79 59 39 100	+21°00 / 100 +7°00 / 26 — -1°10 / 100
4+00	29.2	60 50 40 ←9'→ 30 30 40 / 80 62 46 15 82 132	+23°00 / 100 +5°30 / 32 — 00 / 73 +4°20 / 100
3+00	36.9	70 60 50 40 40 / 60 46 30 15 100	+36°00 / 100 — +1°30
2+00	42.3	70 60 50 ←40→ 50 / 65 51 38 17 115	+36°30 / 100 — -3°00 / 65 +2°30 / 100
1+00	47.5	80 70 60 ←15'→ 50 50 40 / 83 62 40 15 66 134	+37°30 / 100 +9°40 / 16 — -1°00 / 45 +8°00 / 100
0+50	50		
0+00		←4'→	00 / 100 — 00 / 100

Sta		℄		℄	
18+00	T99	90 10		+1°00 100	00 100
17+00	93.1	00 111		+3°40 100	00 100
16+00	94.9	00 60		+5°00 100	00 100
15+00	95.5	10 00 124 4T	90	+6°40 100	00 100
14+00	97.4	10 00 113 31	90	+7°00 100	-5°38 100
13+00	96.9	20 10 00 T2 54 35	90	+6°30 +9°30 100 35	-3°00 100
12+00	98.1	10 00 7T 30	90	+13°40 +4°00 100 65	00 100
11+00	2.4	10 120	00 70	+3°10 100	-7°00 100
10+00	8.1	20 10 150 29	00 93	+4°30 100	-5°00 100
9+00	12.7	40 30 20 130 5T	10 18	00 T3	+7°30 100	-8°40 100

40

Sta.		℄			℄	
28	81.9	10 00 90 60 19		TO 15	5' Higher → +24-00 100	+0	-8°-30 05	-4°-00 100
27	85.1 84.1	10 00 90 92 41 13 90		TO 35	70 82	+15-30 100	+20-30 60	-10°-00 ← Level 100	100
26	87.5	00 90 64 15 90		TO 71			+11°-20 100	-8°-20 100
25 +55	88.1	00 90 ← 71' 90 18 90		TO 120			+7°-40 100	-4°-40 100
24	87.5	00 132	90 30	TO 115			+5°-30 100	-4°-00 100
23	86.6	00 143	90 40	TO			+5°-30 100	-2°-00 100
22	88.5		90 34	TO			+3°-00 100	-2°-00 100
21	87.4		90 71	TO 205			+2°-00 100	-2°-00 100
20	87.8		90 53	TO 210			+2°-30 100	-2°-00 100
19+00	88.2		90 54	TO ~~210~~			+2°-00 100	00 100

| Sta | | |

48

Sta.	℄		℄		
48	77.1	50 60 70 120 74 29	80 90 00 10 20 7 40 68 100	12° 20′ − 24° 30 100	15° 40 + 31° 00 100
47	85.7	60 70 80 93 50 15	90 00 10 20 16 47 71 92	Level → 15° − 25° 00 100	17° 30 + 27° 00 60
46	93.9	70 80 90 108 62 23	00 10 20 30 15 46 71 99	12° 30′ − 24° 00 100	20° 10 + 33° 40 100
45	93.1	80 90 73 19	00 10 20 30 40 20 47 95 100 134	Level → 10° 30 − 17° 40 100	20° 30 + 24° 00 100
44	2.0	80 90 00 68 35 5	10 20 30 40 50 16 34 53 70 88	14° 00 − 23° 30 100 — 19° − 34° 30 65	25° 30′ + 47° 30 100
43	11.0	80 90 00 10 110 49 25 3	20 30 40 50 60 14 32 48 65 76	17° 20 − 29° 00 100 — 23° − 36° 30 56	27° 00 + 45° 00 80 — 30 + 50° 00 100
42	16.1	80 90 00 10 170 96 43 16	20 30 40 50 60 70 7 24 41 58 74 93	15° − 25° 00 100 — 20° 30 − 34° 00 56	31° + 52° 00 100
41+00	23.4	90 00 10 20 T452 30 7	30 40 50 60 70 14 33 53 71 83	14° 30 − 27° 40 100 — 24° 30 − 41° 00 57	27° + 45° 00 75 — 30° + 50° 00 100
39+60	293.9	00 10 20 120 72 35 15	30 40 50 Level → 2 24 40 60 70 80 91 4 48 55 63 71	20° 40 − 34° 30 100 — 27° − 45° 00 45 — 33° − 55° 00 34	26° 40 + 44° 30 40 — + 20° 00 100
38+70	375.0	00 10 20 30 96 60 35 12	40 50 60 70 80 90 3 18 35 50 65 77	Level → 24° − 40° 00 100 — 29° 30 − 49° 30 33 — 40° 10 − 67° 00 20	33° + 54° 30 100

49

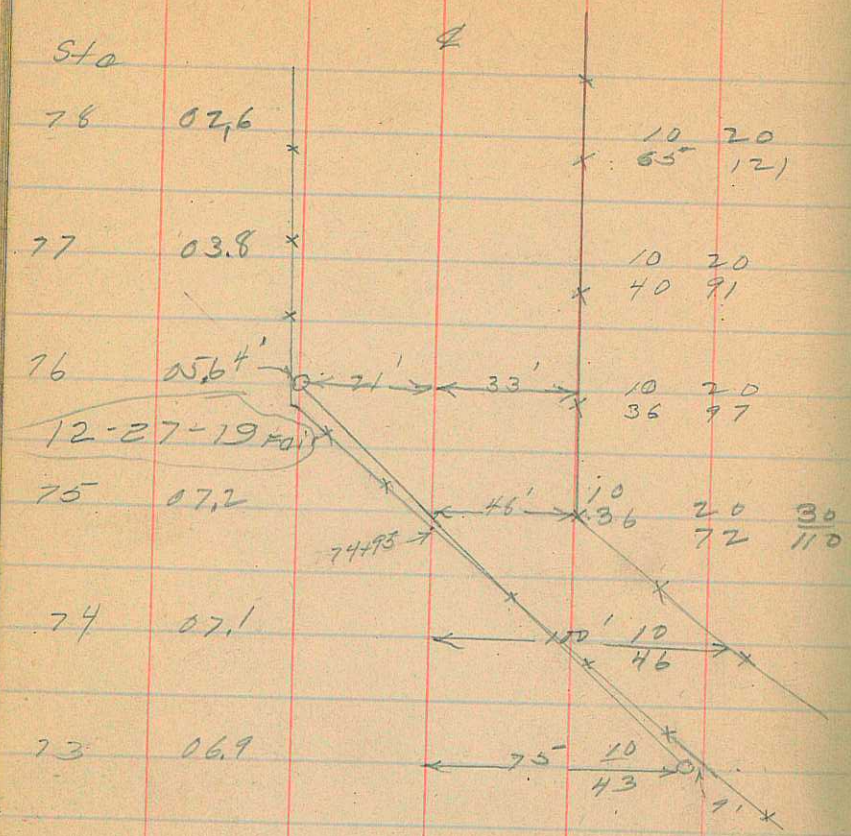
℄

Sta

56	40.3	20 30	50 60 70	6°-15'	13°-00
		90	42 86 130	-10°-30	+21°30
				100	100
57	43,0	30 40	50 60 70	7°-45'	11-45
		96 23	33 82	-13°00	+19°30
				100	100
58	45,9	30 40	50 60 70	7-30	13°-00
		121 45	18 65 112	-12°30	+22°-00
				100	100
59	48.8	30 40	50 60 70	Level → 7°-45'	11°-30'
		143 68	5 54 102	-13°00	+19°00
				100	100
60	50,2	30 40	60.70.80	Level → 6-30'	9-30
		85	62 120	-11°00	+16°10
				100	100
61	52,3	30 40 50	60 70 80	8'00	7°30
		88 24	61 137	-12°-30	+12°-30
				100	100
62	54.9	30 40 50	60 70 80	7°00	8°30
		163 80	67 135	-12°30	+14°00
				100	100
63	66.6	40 50 60	70 80 90	8°30	7°
		104 48	30 109	-14°00	+14°30
				100	100
64	71.7	40 50 60 70	80 90	8°20	10°00
		140 79 12	56 96	-14°30	+18°20
				100	100
49	69.6	40 50 60	70 80 90	7°30	14°30
	150'	145 70	3 42 81	-16°00	+24°00
				100	100

50

Sta		℄		℄	
68	07.6			0°-00 100	2°-00 +3°30 100
67	09.0			1°-30 -2°30 100	1°-30 +3°30 100
66	12.0			1°-30 -2°30 100	1°-30 +3°30 100
65	17.7			1°45 -3°00 100	1°-45 +3°00 100
64	27.5			1-45 -3°00 100	1°45 +3°00 100
63	28.8	20 144	30 20	3°-00 -5°00 100	3°-00 +5°00 100
62	32.6	30 70	40 120	3°-15 -6°30 100	3°-00 +5°00 100
61	32.2	30 45	40 85	3°-15 -5-30 100	4°-30 -7°30 50	5°30 +9°00 100
60	36.0	30 47	40 50 60 25 82	5°-30 -9°00 100	7°30 -12°30 53	10°-30 +17°30 100
59	36.2	30 70	40 50 60 20 73 125	5°00 -8°30 100	11°-30 +19°20 100



℄

-1.5 / 25 -1.0 / 10.0 -0.5 / 10.0 +1.5 / 25

-0.6 / 25 -0.5 / 9.0 00 / 9.0 +3.0 / 25

-1.0 / 25 -1.0 / 9 2.0 / 7.0 +2.5 / 21

-7°30 / 100 6°00 / +9°30 / 48 18°30 / +21°00 / 100

1°00 / -1°30 / 100 4°30 / +2°30 / 80 6°00 / +5°00 / 100

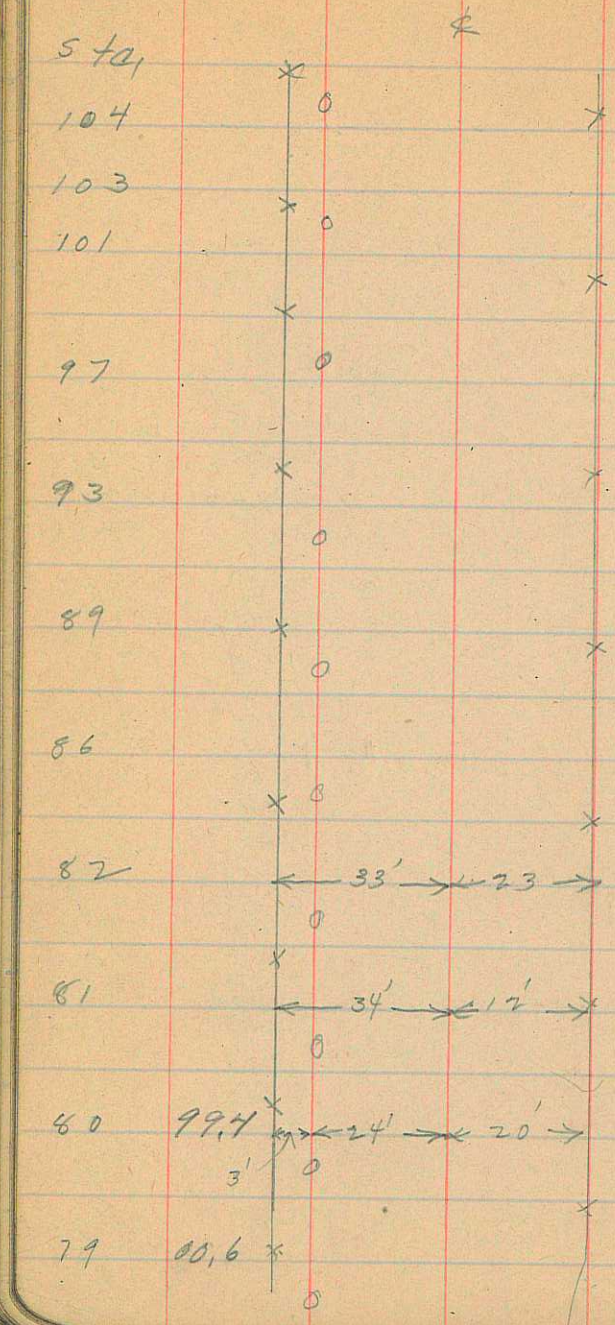
00 / 100 4°30 / +7°30 / 100

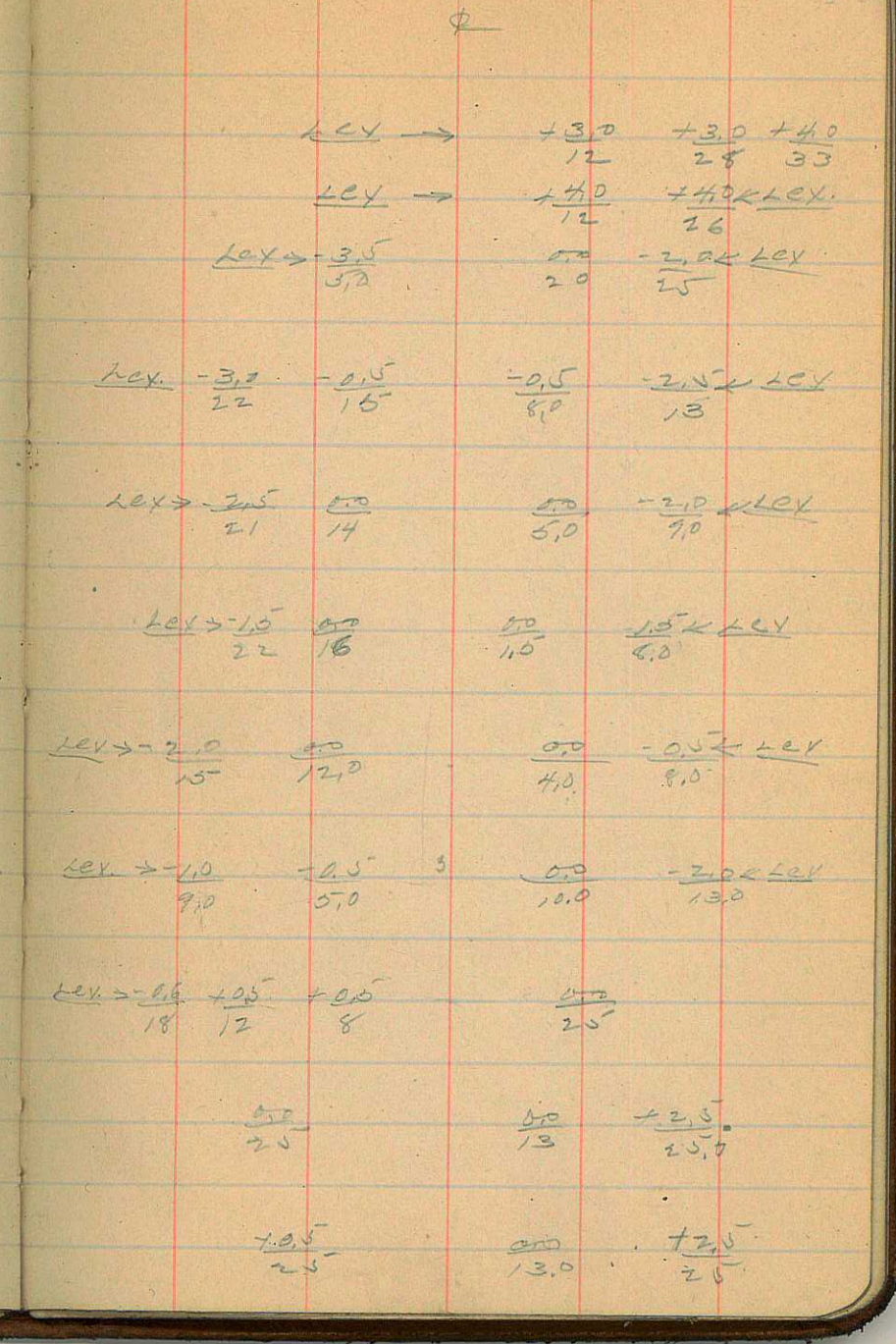
45' / -1°00 / 100 1°15' / +2°00 / 100

1°15 / -7°00 / 100 1°15 / +2°00 / 100

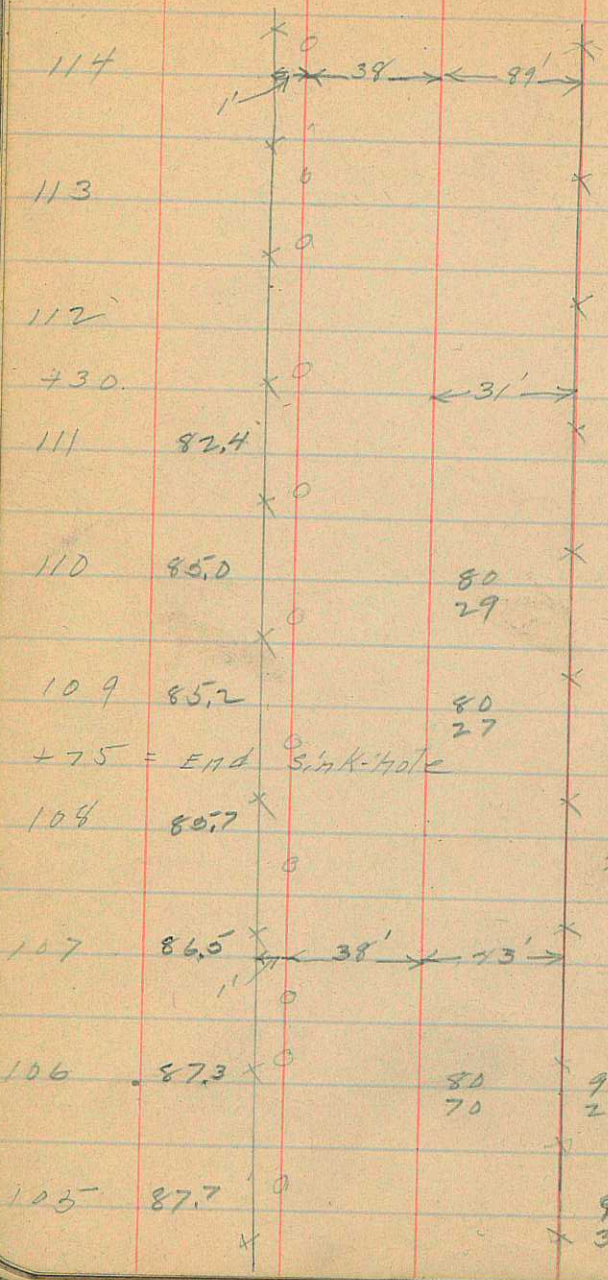
1°00 / -1°30 / 100 1°15' / +2°00 / 100

00 / 100 1°00 / +1°30 / 100


Sta,
104
103
101
97
93
89
86
82
81
80
79
99,4
00,6
33'
23
34'
17'
3'
24'
20'


+3,0
12
+3,0
28
+4,0
33
+4,0
12
+4,0
26
-3,5
5,0
0,0
20
-2,0
25
-3,0
22
-0,5
16
-0,5
8,0
-2,5
13
-2,5
21
0,0
14
0,0
5,0
-2,0
9,0
-1,5
22
0,0
16
0,0
1,0
-1,5
6,0
-2,0
15
0,0
12,0
0,0
4,0
-0,5
8,0
-1,0
9,0
-0,5
5,0
0,0
10,0
-2,0
13,0
-0,6
18
+0,5
12
+0,0
8
0,0
25
0,0
25
0,0
13
+2,5
25,0
+0,5
25
0,0
13,0
+2,5
25

53



90 100 10 20
65 138

80
29
90 100 10 20
14 29 45 58

80
27
90 100 10 20
27 30 44 56

90 100 10 20
23 38 53 68

90 100 10
29 62 75

80
70
90 100 10 20
25 51 77 104

80 100
33 150

00
100

00 0.0 +1.5 +2.5 +1.0
16 21 40 43

+3.0
23

00
100

+4.0 +1.0 +3.0
9.0 29.0 55

00
100

12°-00 ACY 4°-30
+2°-00 24.0 +11°-00
9.0 72

5°-00 13°-00
ACY → +8°-00 -21°-30 00
100 38 9.0

00 32°-30
4.0 +5°-00
100

3°-00 14°-00
ACY → -4°-00 -23°-00 0.0
5 41 4.0

00 32°-30
9.0 +5°-00
75

3°-00 23-30
ACY → -5°-00 +3°-00
67 50

00 13°-30
20 +3°-00
43

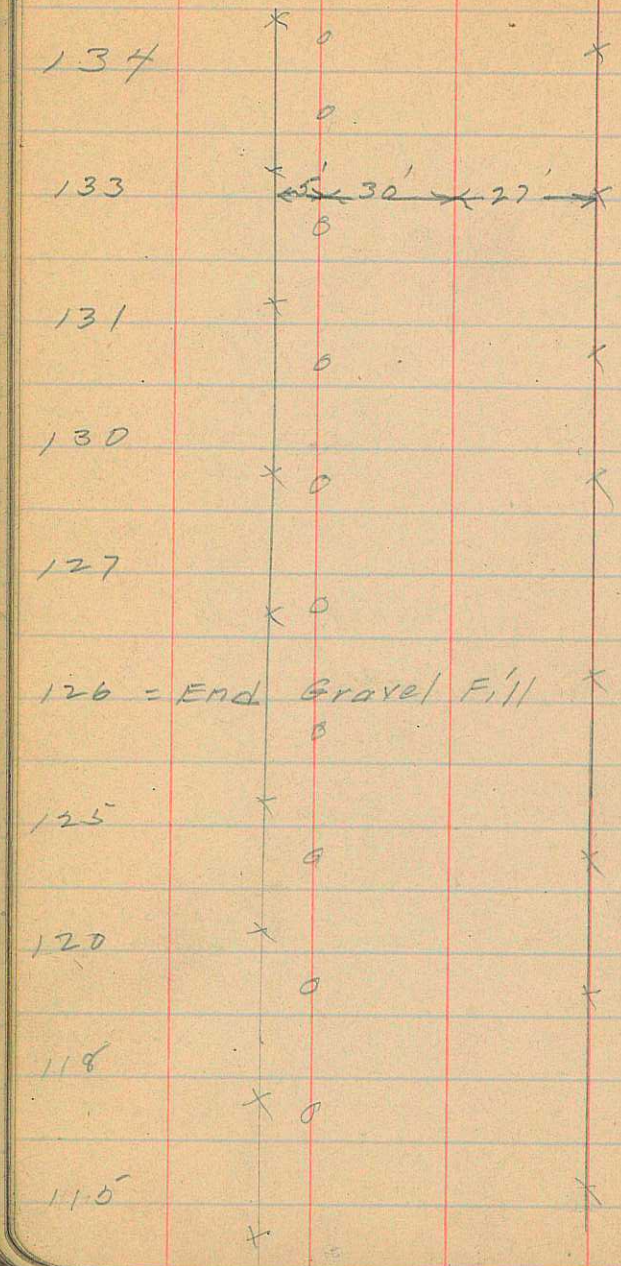
2°-00
-3°-00 00
25 11.0

5-30 3-30 4°-30 15°-00
ACY → -9°-00 -6°-00 +7°-00 +2°-00
28 17 21 55

ACY → +3.0 00 00 +3.0
22 9.0 33 58

54

℄



12-30-19

℄

+3,0 +1,5 0,0 -1,0 +1,5 ℄ Lev.
Weather 40,0 22,0 17,0 6,0 15,0
Cloudy, Windy

Lev. → +2,0 0,0 0,0 +1,0 ℄ Lev
14 9,0 9,0 14,0

Lev. +1,5 0,0 0,0 +1,0 ℄ Lev
13,0 9,0 8,0 13,0

Lev → +0,5 0,0 0,0 +0,5 ℄ Lev.
18 13 6,0 10

0,0 0,0
100 100

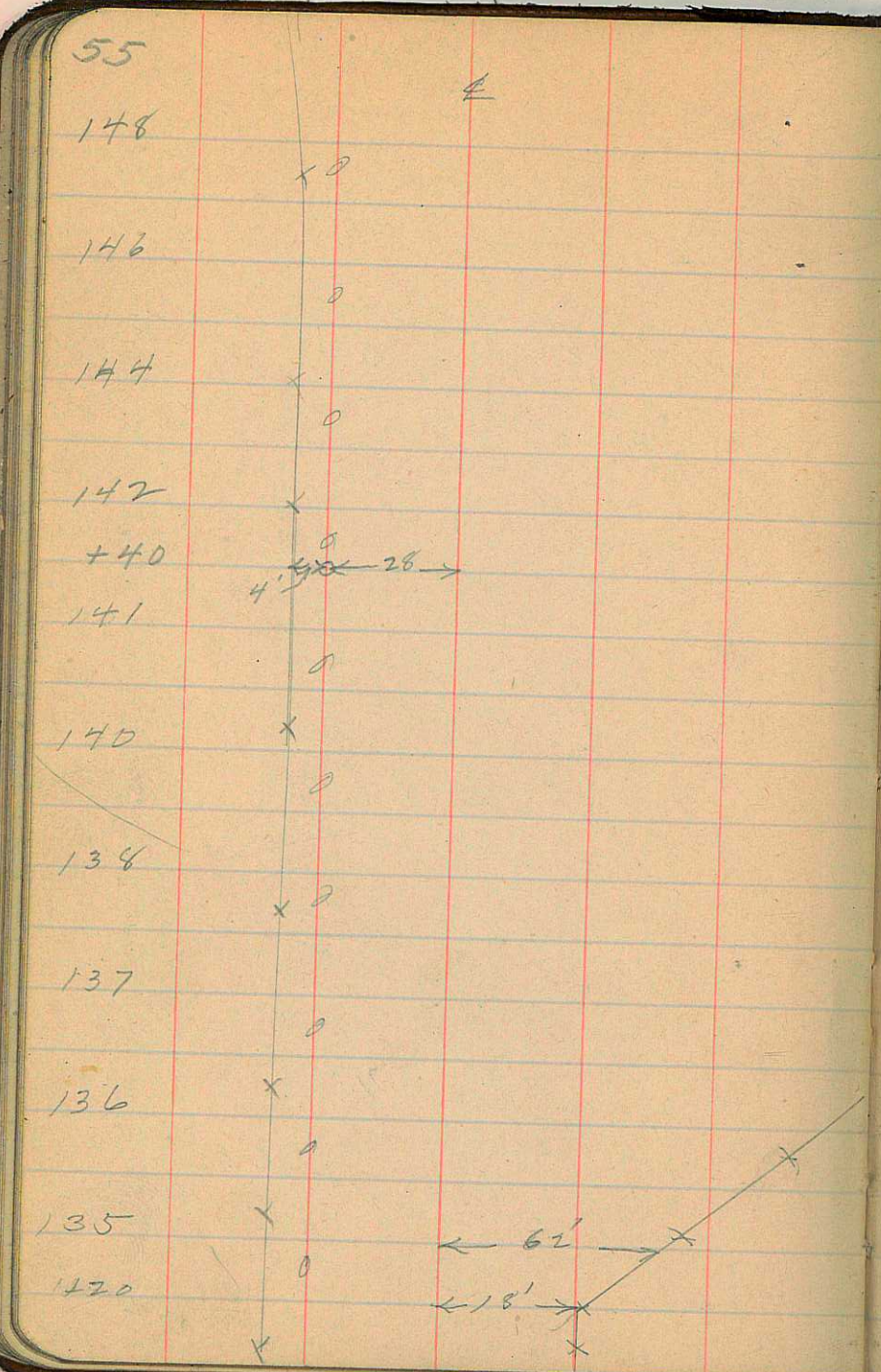
Lev → -1,5 0,0 -1,5 ℄ Lev
22 17 6,0

Lev → -1,0 0,0 0,0 -1,0 ℄ Lev
12,0 9,0 11,0 15,0

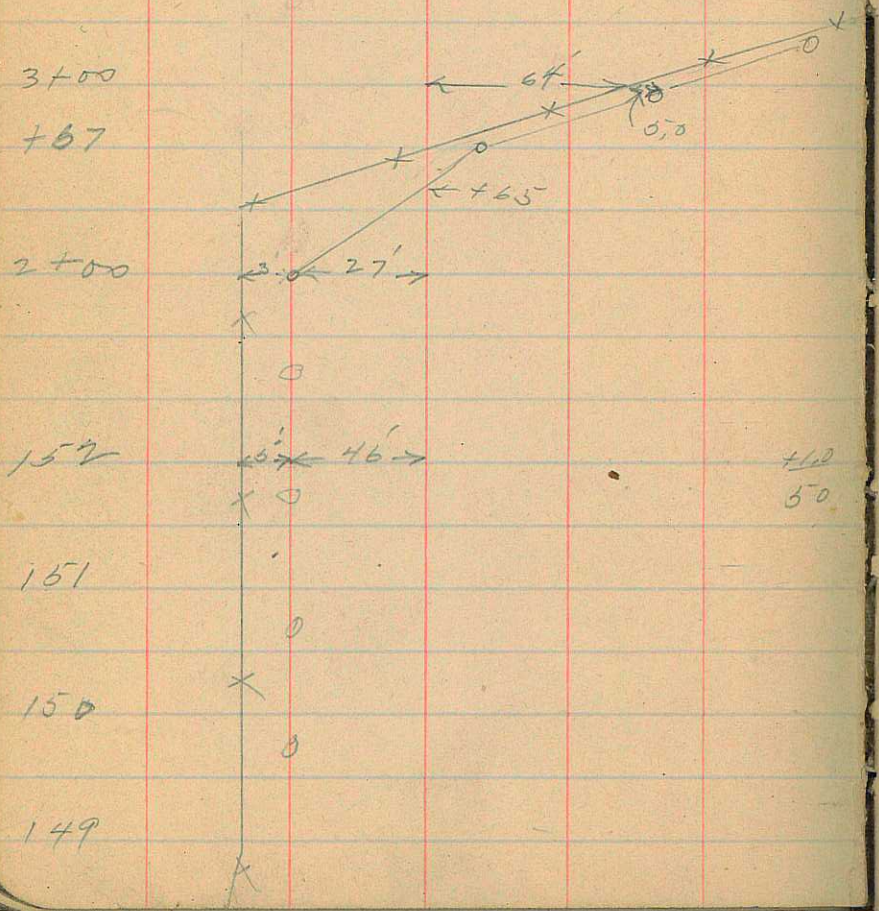
0,0 0,0 +1,0 +1,0 0,0 ℄ Lev
2,0 3,0 21 25

0,0 0,0 + 2,0 +2,0 0,0 Lev
100 13 21 36 42

55



+4,0 47	+1,0 15,0	5,0 7,0	-4,0 12,0	+1,0 16,0	+1,0 81,0
2,5 +5,0	+1,0 15,0	0,0 6,0	0,0 13,0	+2,0 18,0	+4,0 92,0
	+3,0 42,0	+2,0 6,0	0,0 19,0	+2,0 23,0	+5,0 65,0
+2,0 41,0	+1,0 11,0	0,0 6,0	0,0 18,0	+2,0 22,0	+4,0 5-6
	+3,0 35,0	+2,0 6,0	0,0 25,0	+2,0 29,0	+3,0 5-7.
		+0,3 33,0	-2,5 5,0	-2,5 30	-1,0 35,0
		+1,0 35,0	-1,5 5,0	-1,5 41,0	0,0 44,0
		0,0 50.	-2,0 7,0	0,0 41,0	+1,0 45,0
		+2,0 26,0	+0,5 29	+2,0 35,0	K.lex.
		+1,0 28	0,0 15,0	0,0 12,0	+1,0 K.lex. 17,0



00	-2,0	-2,0	00		+5,0
37	32,0	17,0	10,0		43,0
+2,0	00	-1,0	-1,0		+5,0
50	28,0	22,0	1,0		38,0
+3,0	+2,0	00	+1,5	+2,0	
47,0	24,0	1,3	8	5,6	
+2,0	+1,0	00	-1,0	0,0	0,0
48,0	29	19,0	19,0	14,0	60,0

60 Topog. On Preliming Down: Wellsville Canyon
Beginning North E.nd Dry Lake
12-16-19 Weather Fair

								Left	Right
0+00	01.0			100	10	20	30	0°-31 +1°-00 100	6°-30 13°-30 +10°-45 +22°-30 37 180
					53	84	114		
1+00	00.5		10		10	20	30	3°-45 +6°-10 100	4°-30 12°-00 +7°-30 +20°-00 50 100
			140		60	98	130		
2+00	94.6		100		00	10		4°-30 +7-30 100	90 75 4°-00 +6°-30 100
			75		96	122			
3+00	94.1	10	100		90			6°-30 +10°-40 100	3°-30 -6°-00 100
		135	55		68				
4+00	92.2	10	100		90	80		7°-30 +12°-30 100	5°-20 -8°-40 100
		135	62		19	110			
5+00	92.9	10	100		90	80		7°-30 +12°-40 100	6°-10 -11°-10 100
		120	48		30	128			
6+00	91.6	10	100		90	80		7°-15 +12°-00 100	5°-30 -9°-10 100
		140	64		34	130			
7+00	89.6	10	00		80	70		6°-30 +10°-45 100	4°-50 -8°-00 100
			84		122				
8+00	89.1	100	90		80	70		7°-15 +12-00 100	5°-20 -9°-45 100
		85	9		98				
9+00	86.8	100	90		80	70		5°-20 +9°-00 100	5°-30 -9°-20 100
		135	31		74				

Sta.

Sta.		℄					Left ℄ Right
10+00	76.8	90	80 16	70 101	60		4°-00 +6°-30 100
							3°-30 -6°-00 100
11+00	72.6	90	80 100	70 66	60		4°-00 +6°-30 100
							2°-40 -4°-30 100
12+00	67.5	80	70 39	60 168	50		3°-00 +6°-00 100
							2°-40 -4°-30 100
13+00	62.4		70	60 44	50		1°-20 +2°-20 100
							2°-30 -4°-00 100
14+00	56.1		60 69	50 153			3°-20 +5°-30 100
							2°-20 -3°-40 100
15+00	51.6		60	50 39			2°-30 +4°-00 100
							2°-40 -4°-30 100
16+00	47.2		50 50	40			3°-00 +5°-40 100
							1°-20 -3°-00 100
17+00	42.8		50 149	40 77			2°-30 +4°-00 100
							2°-20 -3°-40 100
18+00	37.5		40 91	30 129			1°-50 +3°-10 100
							3°-00 -5°-00 100
19+00	31.4		40	30 30			1°-30 +2°-40 100
							2°-00 -2°-20 100

62

Std,

					Left		Right
20+00	26,4	30 100	20 162		2°-10 +3°-40 100		2°-10 -3°-40 100
21+00	22,4	30 160	20 47		2-40 +4°-30 100		2°-20 -4°-00 100
22+00	16,0	20 40	10		2°-50 +4°-40 100		10-20 -2°-10 100
23+00	11,9	20 133	10		3°-20 +5°-30 100		10 100
24+00	06,2	10 94	100 170		2°-20 +4°-00 100		2°-00 -3°-10 100
25+00	04,2	10 119	100 110		2°-50 +4°-40 100		2°-10 -3°-30 100
26+00	01,7	10 86	100 37		5°-10 +6°-30 100		3°-10 -5°-20 100
27+00	00,6	10 95	100 15	90 165	5°-10 +6°-30 100		3°-40 -6°-10 100
28+00	00,0	10 120	90 184		4°-50 +6°-50 100		3°-00 -5°-00 100
29+00	01,2	10 96	100 16	90 180	5°-10 +8°-40 100		3°-50 -6°-30 100

63

57a

			℄			Left ℄ Right
30+00	02.1		10 87	100 30	90 165	5°-10 +5°-30 100 — 4°-20 -3°+0 100
31+00	02.5		10 82	100 50	90	4°-50 +6°-00 100 — 3°-20 -5°-30 100
32+00	02.8		10 82	100 50	90	4°-50 +6°-00 100 — 3°-20 -5°-30 100
33+00	02.7		10 76	100 61		5°-10 +8°-40 100 — 2°-50 -4°-40 100
34+00	02.2	12-17-19	10 73	100 24 Weather Fail.	90 171	6°-10 +10°-10 100 — 4°-10 -7°-00 100
35+00	00.8		10 108	100 12	90 170	4°-50 +8°-00 100 — 3°-50 -6°-20 100
36+00	98.7	10 123	100 11	90 161		5°-00 +8°-10 100 — 3°-20 -5°-30 100
37+00	95.7	10	100 5-6	90 125		4°-10 +7°-00 100 — 3°-10 -5°-00 100
38+00	95.0		100 68	90 84		4°-10 +7°-20 100 — 3°-10 -5°+0 100
39+00	93.2		100 95	90 37	80 160	4°-20 +7°-20 100 — 4°-50 -6°+0 100

Sta.	℄			Left ℄	Right ℄
40+00	91.6	100 90 80 123 32		3°-50 +6°-30 100	3°-20 -3°-30 100
41+00	87.0	100 90 80 143 34 125		5°-10 +8°-30 100	3'-00 -5°-00 100
42+00	81.7	100 90 80 70 60 50 134 61 6 37 68 95		7°-30 +12°-30 100	18°-20 -30°-30 100	8°-20 -14°-00 150
43+00	80.6	10 100 90 80 70 60 50 132 44 6 43 70 97		8°-40 +14°-30 100	11°-20 +19°-00 320	12°-50 -21°-30 30	18°-50 -31°-30 150
44+00	68.9	90 80 70 60 50 40 30 140 55 5 23 49 74 100		9°-20 +15°-40 100	12°-00 +21°-30 40	21°-40 -36°-10 100	
45+00	60.2	80 70 50 40 30 118 48 75 100		4°-50 +8°-10 100	11°-40 -19°-30 50	16°-30 -27°-30 100
46+00	35.2	50 40 30 20 100 36 36 100		8°-20 +14°-10 150	8°-10 -13°-30 100	
47+00	38.4	70 60 50 40 30 20 10 91 48 27 3 28 68 132		24°-40 +41°-10 150	15°-50 -26°-20 60	12°-40 -21°-00 100
48+00	43.6	80 70 60 50 40 30 20 10 120 78 36 11 11 37 62 88		17°30 +28°40' 100	24°-30 +47°-30 28	21-20' -35°-30 100	
49+00	30.8	60 50 40 30 20 10 76 5 61 115		6°-50 +11°-30 100	10°-30 -17°-30 100	

Std, ℄

50+00	28.9		40	30	20	10	7°-30	6°-50
			83	9	75	160	+12°-30	-11°-30
							100	100
51+00	34.1		50	40	30	20	6°-50	7°-10
			133	50	32	110	+11°-30	-12°-00
							100	100
52+00	35.5		30	40	30	20	7°-20	5°-40
			116	40	50	150	+12°-10	-9°-30
							100	100
53+00	32.6		50	40	30	20	6°-10	6°-50
				63	27	115	+10°-10	-11°-30
							100	100
54+00	29.1		40	30	20	10	6°-10	6°-10
			100	11	82	173	+10°-10	-10°-10
							100	100
55+00	25.4		40	30	20	10	5°-40	5°-40
			150	52	40	156	+9°-30	-9°-30
							100	100
56+00	28.6			30	20	10	5°-10	6°-00
				98	4	103	+8°-30	-10°-00
							100	100
57+00	15.2			20	10	100	3°-50	6°-40
				78	42	128	+6°-30	-11°-00
							100	100
58+00	09.7	40	30	20		100	11-40	5°-40
		145	97	49		100	+9°-30	-9°-30
							100	100
59+00	05.6		20	10	100	90	6°-20	4°-10
			124	36	70		+10°-40	-7°-00
							100	100

Left ℄ Right

| Sta. | | ℄ | | |

Std.

					Left		Right	
70+00	57.7	90 80 70 60 50 40 121 84 45 8 39			15°-00 +20°-00 100		11°-40 -14°-30 ~~-Level~~ 60	100
71+00	54.8	90 80 70 60 50 40 148 106 65 23 30 90			13°-10 +22°-00 100		9°-50 -14°-00 125	
72+00	46.7	70 60 50 105 59 14		40 30 20 24 59 93	12°-20 +20°-30 100		16°-10 -27°-00 200	
73+00	31.1	60 50 40 94 61 30		30 20 10 3 56 107	17°-20 +32°-00 100	17°-10 +28°-30 40	11°-20 -13°-00 125	
74+00	39.9	60 50 110 42		30 20 10 40 80 119	10°-40 +17°-40 100	13°-10 +22°-00 58	14°-20 -24°-00 125	10°-50 -18°-00 200
75+00	43.5	40 100		40 30 20 10 21 55 84 111	100 110 144 150	12°-50 -30°-00 100 50 40	11°-20 -18°-00 33	16°-40 -27°-40 100
76-00	25.9	40 30 142 80		20 10 100 59 107 150	4°-10 +7°-00 100	2°-10 -3°-30 42	3°-00 -5°-00 40	8°-30 -14°-10 100
77+00	14.4	40 30 20 108 67 25		10 100 20 73	13°-30 +22°-30 100		11°-10 -18°-30 55	9°-00 -15°-00 100
78+00	18.6	60 50 40 30 20 112 87 59 31 2		10 100 90 34 71 123	19°-30 +33°-00 100		14°-50 -24°-40 75	13-50 -23°-10 100
79+00	17.6	60 50 40 30 20 96 75 54 30 7		10 100 90 21 48 82	24°-00 ~~+40°-00~~ 100		21°-00 -35°-00 70	17°-10 -28°-30 100

Sta.	℄									
80	09.1	50	40	30	20	10		100	90	80
		123	97	63	33	7		27	57	114
81	02.4	50	40	30	20	10		100	90	80
		115	92	68	44	20		6	36	90
82	93.6	40	30	20	10	100		90	80	
			108	83	59	11		19	43	
83	89.5		30	20	10	100		80		
			103	78	52	27		34		
84	86.0	30	20	10	100	90		80	70	
		123	95	68	40	13		25		
85	75.5	20	10	100	90	80				
		130	108	86	65	30				
86	71.6	Ditch						90	80	
								127	97	
87	69.6							80		
								112		
88	68.1							70	80	90
								57	91	119
89	66.8							70	80	90 100
								44	70	97 123

	Left	℄	Right
	18°-40	18°-10	15°-00
	+~~81-30~~	-~~30°-10~~	-~~25-00~~
	100	65	100
	22°-50	17°-40	12°-50
	+~~36°-00~~	-~~29°-30~~	-~~41°-30~~
	150	85	100
	22°-30	16°-30	9°-10
	+~~37°-30~~	-~~27°-30~~	-~~15°-10~~
	150	50	100
	21-20	15°-20	7°-00
	+~~35°-30~~	-~~25°-30~~	-~~7°-40~~
	100	43	100
	19°-50	13°-00	4°-50
	+~~33°-00~~	-~~21°-40~~	-~~6°-00~~
	100	36	100
	17-20	10-30	
	+~~29°-00~~	+~~17°-30~~	~~00~~
	100	52	100
	5°-20		
	+~~0-00~~	~~00~~	~~00~~
	100	70	100
	~~00~~	1°-10	4°-40
	100	+~~2°-00~~	+~~7°-40~~
		57	100
	~~00~~	2°-40	8°-40
	100	+~~4°-20~~	+~~11°-20~~
		64	100
	~~00~~		13°-40
	100	~~00~~	+~~21°-40~~
		35	100

69

			℄		Left · ℄	Right
			70 80 90 100 36 68 87 105			
90	64.7				50 100	8°-50 17°-40 +4°-40 +9°-30 54 100
90+93.5=6+00.	64.7	60 70	70 80 90 100 10 15 30 44 59 73	20 30 86 102	00 ditch 3°-00 100 75 -5°-00 70	34°-50 +8°-00 100
7+00	61.2	60 12	70 80 90 100 43 83 102 123		3°-00 -3°-00 100 47	11°-40 18°-00 +9°-30 +3°-00 41 70
8+00	56.8	60 48	60 70 80 90 31 54 75 98	100 120	4°-10 +3°-00 100	7°-00 17-20 +4°-40 +2°-00 32 40
9+00	54.2	60 94	60 70 80 90 37 69 78 102		3°-40 +5-00 100	5°-20 16-10 +4°-00 +2°-00 36 64
10+00	+4.5 40 Ditch	5	50 60 70 80 37 51 65 78	90 100 92 106	00 100	8°-00 24°-00 +3°-20 +4°-00 37 84
11+00	41.6	50 144	50 60 70 80 32 48 62 76	90 100 90 105	2°-50 +1°-30 100	15°-00 26-20 +3°-00 +4°-30 36 76
12+00	37.5	40 60	40 50 60 70 20 51 68 84	80 90 110 118	3°-00 +2°-00 100	9°-00 20-40 +5°-00 +3°-30 40 80
13	34.5	40 140	40 50 60 70 43 62 80 102	80 118	1°-50 +3°-00 100	6°-20 16°-10 +1°-30 +3-00 40 90
14	32.1		40 50 60 70 73 112		00 100	3°-00 11°-10 +3°-00 +4-30 63 94

78

Sta. ℄

15+00	29.1				
16+00	29.5	60	50	40	
		122	110	98	
17+00	28.8	50	40	30	
		141	105	70	
18+00	28.8	60	50	40	30
		128	107	85	63
19+00	35.1	70	60	50	40	30
		118	85	51	19	48
20+00	36.9	70	60	50	40	30
		150	105	61	16	37
		100	10	20		
		71	81	91		
21+00	35.2	90	80	70	60	50	40	30
		57	49	38	27	16	6	12
		100	10	20				
		75	87	99				
22+00	38.9	90	80	70	60	50	40	30
		62	50	38	26	14	1	18
		100	10	20				
		84	97	110				
23+00	35.3	90	80	70	60	50	40	30
		71	58	46	33	20	7	10
		100	10	20				
		91	108	120				
24+00	36.9	90	80	70	60	50	40	30
		77	62	48	34	19	5	16

Left ℄ Right

Left		Right
100		100
6-40	← cana	
44°00	← ost →	
100	82	100
5-50		
79°40		
100	64	100
3°-50		
46°00		
70	60	100
	16-30	6°-00
	17-30	46°00
	100	100
20-20		10°-30
34°00		17°30 ← Level
100	64	100
43°-50		21°-40
73°00		36°00 ← Level
100	25	100
39-40		26-24
66°00		44°00 ← Level
100	31	100
37-50		29°00
63°00		49°30 ← Level
100	21	100
34-50		22°-10
58°00		37°00 ← Level
100	38	100

71

℄

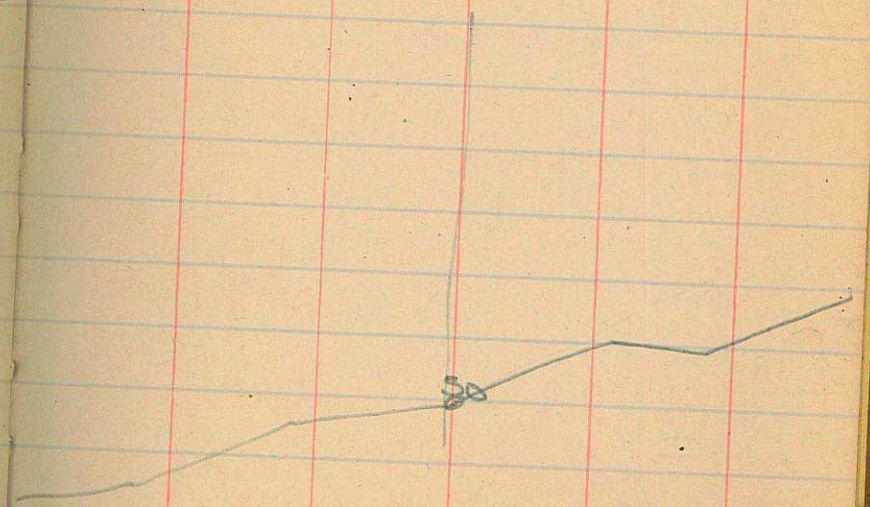
540.

25	30.4		70	60	40	30	
			36	18	14	45	
26	41.8		50		40	30	
			100		10	130	
27	38.5		40		30		
			70		120		
28	30.9				30	20	
					8	160	

℄ Left ℄ Right

Left		Right		
18°-40	29-20	33-40	21°00	level
+31°00	+49°00	-5°00	-30°00	
75	45	28	51	100
4°-50		5°-20		
+8°00		-5°00		
100		100		
1°-50		3°-50		
+3°00		-6°20		
100		100		
00		4°-10		
100		-7°00		
		100		

$\frac{47^{2}}{10}$ $4\frac{7}{2}$


30

