

sect. A ST 25 to 27 St.

24TH ST. H to I ST.

3RD ST. SPRUCE-UPAS

K ST 26 to 32 ST.

400

LIBRARY

City Hall - San Diego, Cal.

F.B.249

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Table showing the difference in altitude and departure in running 80 chains at any course from 1 to 60 minutes.

MINUTES	LKS.	MINUTES	LKS.	MINUTES	LKS.
1	2 1/3	21	49	41	95 2/3
2	4 2/3	22	51 1/3	42	98
3	7	23	53 2/3	43	100 1/3
4	9 1/3	24	56	44	102 2/3
5	11 2/3	25	58 1/3	45	105
6	14	26	60 2/3	46	107 1/3
7	16 1/3	27	63	47	109 2/3
8	18 2/3	28	65 1/3	48	112
9	21	29	67 2/3	49	114 1/3
10	23 1/3	30	70	50	116 2/3
11	25 2/3	31	72 1/3	51	119
12	28	32	74 2/3	52	121 1/3
13	30 1/3	33	77	53	123 2/3
14	32 2/3	34	79 1/3	54	126
15	35	35	81 2/3	55	128 1/3
16	37 1/3	36	84	56	130 2/3
17	39 2/3	37	86 1/3	57	133
18	42	38	88 2/3	58	135 1/3
19	44 1/3	39	91	59	137 2/3
20	46 2/3	40	93 1/3	60	140

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TABLE FOR RUNNING ON SLOPES.
MICROFILMED

In the following table the first column shows the angle, the second the number of links to be added to a chain on the slopes, to make one chain, horizontal measurement.

Angle	COR. IN LINKS	Angle	COR. IN LINKS	Angle	COR. IN LINKS	Angle	COR. IN LINKS
0		0		0		0	
4	0.24	11	1.88	18	5.14	25	10.54
5	0.38	12	2.24	19	5.76	26	11.26
6	0.55	13	2.63	20	6.42	27	12.24
7	0.76	14	3.06	21	7.11	28	13.37
8	0.98	15	3.53	22	7.85	29	14.34
9	1.24	16	4.02	23	8.64	30	15.47
10	1.55	17	4.56	24	9.47	35	22.07

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129.22 SW Spk. tel Pale N.
 111.47 NW Spk. tenu. Post. I
 91.37 SE Hyd. Nozzle J.
 80.56 SW Spk. Tel pale K.
 303.93 NE W Hyd. Nozzle (25^m KA)
 87.79 SW cur Spk. = pale (26^m KA)
 66.43 SE " " (27^m M)
 75.41 SW " " Pale (30^m M)
 273.18 NE Spk. Spruce
 279.65 NE Alt. Thon
 215.38 NE Spk. Nifan

1204
202.53 El. NE Club.

7/3/05
Kath
Grave 25th
Intimate

A. St.

27 ¹⁴

1

25th & A. NE Hyde Noggale -
Bm 10.14 214.07 203.93

E. line 25th

N.	10.6	203.5
ch.	11.2	202.9
1/2	11.6	202.5
C	11.7	202.4
1/2	12.1	202.0
ch.	12.3	201.8
S	11.9	202.2

25th E of 25th

S	11.2	202.9
ch.	11.3	202.8
1/4	11.3	202.8
C	10.8	203.3
1/4	10.7	203.4
ch.	10.2	203.9

214.07

N

9.2 204.9

30' E of 25th

N

8.6 205.5

cb.

9.2 204.9

4

9.9 204.2

C

10.1 204.0

1/4

10.2 203.9

cb.

10.1 204.0

3'

8.7 205.4

S

10.2 203.9

75' E of 25th

S

9.4 204.7

cb.

9.6 204.5

1/4

9.4 204.7

C

9.2 204.9

1/4

9.0 205.1

2

214.07

cb.

8.4 205.7

N.

7.8 206.3

100' E of 25th

N.

6.8 207.3

cb.

7.5 206.6

1/4

8.1 206.0

C

8.5 205.6

1/4

8.7 205.4

cb.

8.5 205.6

A'

8.6 205.5

S

7.2 206.9

125' E of 25th

S

7.2 206.9

cb.

7.3 206.8

1/4

7.3 206.8

C

7.0 207.1

9/13/05

{ Hatch
Siams
wetmore

214.57

1/4	7.0	207.1
cb.	6.6	207.5
N	6.2	207.9

140' E of 25th

N	5.3	208.8
cb.	5.7	208.4
1/4	6.3	207.8
c	6.4	207.7
1/4	6.6	207.5
cb.	6.7	207.4
S	7.0	207.1

160' E of 25th

S	6.5	207.6
cb.	6.0	208.1
1/4	6.0	208.1
c	5.8	208.3

3

214.07

1/4	5.6	208.5
cb.	5.0	209.1
N	4.1	210.0

175' E of 25th

N	3.8	210.3
cb.	4.5	209.6
1/4	5.2	208.9
c	5.4	208.7
1/4	5.5	208.6
cb.	5.7	208.4
S	5.8	208.3

200' E of 25th

S	4.8	209.3
cb.	5.0	209.1
1/4	4.8	209.3
c	4.7	209.4

214.07

1/4	4.5	209.6
cb	3.9	210.2
N	3.2	210.9

225' E of 25th

N	2.7	211.4
cb	3.4	210.7
1/4	3.8	210.3
c	4.2	209.9
1/4	4.3	209.8
cb	4.3	209.8
S	4.2	209.9

250 E of 25th

S	3.8	210.3
cb	3.9	210.2
1/4	3.6	210.5
c	3.4	210.7

214.07

1/4	3.1	211.0
cb	3.0	211.7
N	2.5	211.6

275' E of 25th

N	1.0	213.1
12'	1.1	213.0
cb	2.0	212.1
1/4	2.5	211.6
C	2.7	211.4
1/4	3.0	211.1
cb	3.1	211.0
S	2.8	211.3

290' E of 25th

S	1.7	212.4
10'	1.7	212.4
cb	2.6	211.5

214.07

1/4	2.3	211.8
C	2.2	211.9
1/4	1.8	212.3
cb.	1.1	213.0
N	0.6	213.5

2.39 215.80 0.66 213.41

300' E of 25^m

N	1.8	214.0
cb.	2.5	213.3
1/4	3.2	212.6
C	3.4	212.4
1/4	3.6	212.2
cb.	3.8	212.0
S	3.8	212.0

325' E of 25

S	2.3	212.5
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215.80

cb.	2.3	213.5
1/4	2.0	213.8
C	2.0	213.8
1/4	2.2	213.6
cb.	1.3	214.5
N	1.2	214.6

350' E of 25^m

N	1.6	214.2
cb.	1.8	214.0
1/4	2.2	213.6
C	1.8	214.0
1/4	1.9	213.9
cb.	2.1	213.7
S	2.2	213.6

375' E of 25^m

S	3.4	213.4
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215.80

cb.	3.6	212.2
1/4	3.9	211.9
C	3.7	212.1
1/4	4.0	211.8
cb.	4.5	211.3
A	4.5	211.3

400' E of 25th

N.	7.3	208.5
cb.	7.0	208.8
1/4	6.7	209.1
C	6.6	209.2
1/4	6.3	209.5
cb.	6.0	209.8
S.	5.7	210.1

425' E of 25th

S	7.4	208.4
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215.80

cb.	8.0	207.8
1/4	8.4	207.4
C	8.4	207.4
1/4	8.7	207.1
cb.	8.7	207.1
N.	9.0	206.8

150' E of 25th

N.	10.5	205.3
cb.	10.5	205.3
1/4	10.3	205.5
C	10.0	205.8
1/4	9.6	206.2
cb.	9.9	205.9
S	9.9	205.9

475' E of 25th

S	11.4	204.4
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215.80

cb.	11.4	204.4
1/4	11.3	204.5
c	11.2	204.6
1/4	11.0	204.8
cb.	11.3	204.5
N	11.5	204.3

500' E of 25th

N	12.0	203.8
cb.	11.7	204.1
1/4	11.7	204.1
c	11.6	204.2
1/4	12.0	203.8
cb.	12.2	203.6
S	12.3	203.5

525' E of 25th

S	13.0	202.8
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215.80

cb.	12.7	203.1
1/4	12.7	203.1
c	12.3	203.5
1/4	12.5	203.3
cb.	12.2	203.6
N	11.4	204.4

550' E of 25th

N	11.9	203.9
cb.	12.5	203.3
1/4	12.7	203.1
c	12.7	203.1
1/4	12.9	202.9
cb.	13.2	202.6
S	13.3	202.5

Bm.	793	213.95	9.78	Hyd. Muzzle 265 ft. 206.02
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21395

560' E of 25th W line 26th

S	11.6	202.4
cb.	11.4	202.6
1/4	11.1	202.9
C	10.9	203.1
1/4	10.8	203.2
cb.	10.6	203.4
N	10.6	203.4
W cb 26		
N	10.6	203.4
cb.	10.9	203.1
1/4	10.9	203.1
C	10.9	203.1
1/4	10.9	203.1
cb.	11.2	202.8
S	11.6	202.4

8

21395

W 1/4 26th

S	11.5	202.5
cb.	11.0	203.0
1/4	11.0	203.0
C	10.9	203.1
1/4	10.7	203.3
cb.	10.6	203.4
N	10.6	203.4
C 26 th		
N	10.5	203.5
cb.	10.8	203.2
1/4	10.8	203.2
C	11.0	203.0
1/4	10.9	203.1
cb.	11.0	203.0
S	11.3	202.7

213.95

E 1/4 26th

S	11.2	202.8
cb	11.6	203.0
1/4	10.1	203.9
C	10.5	203.5
1/4	10.7	203.3
cb	10.7	203.3
N	10.2	203.8

E cb. 26th

N	9.9	204.1
cb	10.4	203.6
1/4	10.4	203.6
C	9.9	204.1
1/4	10.0	204.0
cb	10.6	203.4
S	11.1	202.9

213.95

E line 26th

S	11.2	202.8
cb	10.5	203.5
1/4	10.0	204.0
C	10.1	203.9
1/4	10.2	203.8
cb	9.9	204.1
N	9.5	204.5

25' E of 26th

N	9.7	204.3
cb	9.8	204.2
1/4	10.0	204.0
C	10.2	203.8
1/4	10.2	203.8
cb	10.5	203.5
S	10.5	203.5

213.95
50' E of 26th

S	10.5	203.5
ob.	10.3	203.7
1/4	10.0	204.0
C	9.9	204.1
1/2	9.6	204.4
ob.	9.4	204.6
N	9.4	204.6

75' E of 26th

N.	8.7	205.3
ob.	8.2	205.8
1/4	8.6	205.4
C	9.3	204.7
1/2	9.4	204.6
ob.	9.7	204.3
S	10.2	203.8

213.95
100' E of 26th

S	9.6	204.4
ob.	9.2	204.8
1/4	8.8	205.2
C	8.9	205.1
1/2	8.5	205.5
ob.	8.2	205.8
N	7.8	206.2

125' E of 26th

N	7.0	207.0
ob.	7.9	206.1
1/4	8.3	205.7
C	8.4	205.6
1/2	8.3	205.7
ob.	8.9	205.1
S	9.4	204.6

213.95
150' E of 26th

S	8.7	205.3
ob.	8.8	205.2
1/4	8.9	205.6
C	7.9	206.1
1/4	7.8	206.2
ob.	7.7	206.3
N	6.8	207.2

175' E of 26th

N	7.1	206.9
ob.	7.4	206.6
1/4	7.6	206.4
C	7.7	206.3
1/4	8.2	205.8
ob.	7.5	206.5
S	7.6	206.4

213.95
200' E of 26th

S	7.7	206.3
ob.	7.2	206.8
1/4	6.9	207.1
C	7.1	206.9
1/4	6.9	207.1
ob.	6.8	207.2
N	6.3	207.7

225' E of 26th

N	6.0	208.0
ob.	6.0	208.0
1/4	6.1	207.9
C	6.3	207.7
1/4	6.5	207.5
ob.	6.8	207.2
S	7.0	207.0

213.95

250' E of 26th

S	6.5	207.5
cb.	5.6	208.4
1/4	5.7	208.3
c	5.9	208.1
1/4	5.8	208.2
cb.	5.7	208.3
N	5.1	208.9

275' E of 26th

N	5.1	208.9
cb.	5.3	208.7
1/4	5.5	208.5
c	5.6	208.4
1/4	5.9	208.1
cb.	6.1	207.9
S	6.3	207.7

213.95

300' E of 26th

S	5.9	208.1
cb.	5.5	208.5
1/4	5.5	208.5
c	5.3	208.7
1/4	5.0	209.0
cb.	3.8	210.2
N	3.8	210.2

325' E of 26th

N	4.1	209.9
cb.	4.6	209.4
1/4	4.6	209.4
c	4.8	209.2
1/4	5.1	208.9
cb.	5.5	208.5
S	5.6	208.4

213.95

350' E of 26th

S	5.4	208.6
cb.	7.9	209.11
1/4	4.5	209.5
C	4.3	209.7
1/4	4.2	209.8
cb	3.7	210.3
N	3.2	210.8

375' E of 26th

N	2.5	211.15
cb	3.5	210.5
1/4	3.6	210.4
C	3.7	210.3
1/4	4.0	210.0
cb.	4.5	209.5
S	7.8	209.2

213.95

400' E of 26th

S	4.1	209.9
cb.	3.8	210.2
1/4	3.4	210.6
C	2.9	211.1
1/4	2.3	211.7
cb.	2.7	211.3
N	2.6	211.4

425' E of 26th

N	1.8	212.2
cb.	2.2	211.8
1/4	2.3	211.7
C	2.7	211.3
1/4	2.7	211.3
cb.	2.9	211.1
S	3.4	210.6

S 217.91 51 212.8
550' E of 26th

S 4.7 213.2
cb. 4.7 213.2
1/4 4.8 213.1
C 4.7 213.2
1/4 4.8 213.1
cb. 4.8 213.1
N 4.9 213.0

575' E of 26th

N 5.5 212.4
cb. 5.4 212.5
1/4 5.5 212.4
C 5.4 212.5
1/4 4.9 213.0
cb. 5.0 212.9
S 5.0 212.9

217.91
600' E of 26th W. line 27th

S 6.0 211.9
cb. 6.0 211.9
1/4 6.1 211.8
C 6.2 211.6
1/4 6.5 211.4
cb. 6.5 211.4
N 6.7 211.2

W. Ch. 27th

N 7.1 210.8
cb. 7.0 210.9
1/4 6.7 211.2
C 6.6 211.3
1/4 6.5 211.4
cb. 6.4 211.5
S 6.4 211.5

217.91
W $\frac{1}{4}$ 27th

S	6.7	211.2
cb.	6.8	211.1
$\frac{1}{4}$	6.6	211.3
C	6.8	211.1
$\frac{1}{4}$	7.1	210.8
cb.	7.3	210.6
N	7.6	210.3

C 27th

N	8.1	209.8
cb.	7.7	210.2
$\frac{1}{4}$	7.4	210.5
C	7.2	210.7
$\frac{1}{4}$	6.8	211.1
cb.	6.9	211.0
S	7.3	210.6

217.91
E $\frac{1}{4}$ 27th

S	7.4	210.5
cb.	7.2	210.7
$\frac{1}{4}$	7.4	210.5
C	7.6	210.3
$\frac{1}{4}$	7.8	210.1
cb.	8.2	209.7
N	8.6	209.3

E cb 27th

N	9.0	208.9
cb.	8.8	209.1
$\frac{1}{4}$	8.4	209.5
C	8.1	209.8
$\frac{1}{4}$	7.5	210.1
cb.	7.8	210.1
S	7.9	210.0

9/13/05 { Hatch
Evans
Vietnam

217.91

E line 27 ^{H₂}

S	8.5	209.4
ob.	8.3	209.6
1/4	8.3	209.6
0	8.6	209.3
1/4	9.2	208.7
ob.	9.5	208.4
N	9.6	208.3
BM {Hydrazide 27.1.11}	6.03	211.88

9/13/05 { Hatch
Swans
Onetime

24th St

{ H. St. - I St. }

(NW Cor 24th - I St)

BM 1318 124.65 111.47

583 127.56 992 12173

SW Cor to ⁽⁻¹⁾ SE Cor on H. St.

W 1/4 2.3 125.3

C 2.0 125.6

E 1/4 1.8 125.8

cb. 1.6 126.0

E 1.2 126.4

S line H. (#2)

E 1.8 125.8

cb. 1.7 125.9

1/4 2.5 125.1

C 2.2 125.4

1/4 2.4 125.2

cb. 2.5 125.1

W 2.7 124.9

S line #1 St

#2

18

127.56

25' 5 of H.

W 4.3 123.3

cb. 4.3 123.3

1/4 3.8 123.8

C 3.8 123.8

1/4 3.7 123.9

cb. 3.0 124.6

E 3.2 124.4

50' 5 of H.

E 4.6 123.0

cb. 5.6 122.0

1/4 5.7 121.9

C 5.3 122.3

1/4 5.7 121.9

cb. 6.5 121.1

W 6.5 121.1

127.56

75' S of H

W	9.1	118.5
cb.	8.9	118.7
1/4	7.9	119.7
C	7.7	119.9
1/4	8.0	119.6
cb.	7.5	120.1
E	7.0	120.6

100' S of H.

E	8.5	119.1
cb.	8.9	118.7
1/2	9.2	118.4
C	9.6	118.0
1/4	10.1	117.5
cb.	10.7	116.9
W	12.5	117.1

127.56

125' S of H

W	11.4	116.2
cb.	11.3	116.3
1/4	11.3	116.3
C	10.3	117.3
1/2	10.1	117.5
cb.	10.2	117.4
E	9.5	118.1

150' S of H.

E	11.7	115.9
cb.	11.8	115.8
1/4	11.5	116.1
C	11.6	116.0
1/2	12.3	115.3
cb.	12.4	115.2
W	12.3	115.3

12756

175' S of H

W	13.1	114.5
cb.	13.0	114.6
$\frac{1}{4}$	13.0	114.6
C	12.8	114.8
$\frac{1}{4}$	13.0	114.6
cb.	12.7	114.9
E	12.3	115.3

786 12315 12.27 115.29

200' S of H

E	8.8	114.4
cb.	9.1	114.1
$\frac{1}{4}$	9.2	114.0
C	8.8	114.4
$\frac{1}{4}$	9.2	114.0
cb.	9.2	114.0
W	9.2	114.0

123.15

225' S of H

W	9.7	113.5
cb.	9.5	113.7
$\frac{1}{4}$	9.8	113.4
C	9.8	113.4
$\frac{1}{4}$	9.9	113.3
cb.	9.7	113.5
E	9.4	113.8

250' S of H

E	9.7	113.5
cb.	10.3	112.9
$\frac{1}{4}$	10.4	112.8
C	10.2	113.0
$\frac{1}{4}$	10.7	112.5
cb.	10.8	112.4
W	10.9	112.3

03/13/03 { Hatch
Evans
Metmore

123.15

275' S of H.

W	10.9	112.3
cb.	11.0	112.2
1/4	11.3	111.9
C	10.7	112.5
1/4	10.9	112.3
cb.	10.7	112.5
E	10.5	112.7

289' S of H.

(#1)

E	10.9	112.25	112.3
cb.	11.2	112.0	
1/4	11.2	112.0	
C	11.2	112.0	
1/4	11.4	111.8	
cb.	10.8	112.4	
W	10.5	112.7	

N line I st.

#1

123.15

(#2) E cb to West Cb. on N line I st

W	11.5	111.7
cb.	11.6	111.6
1/4	11.8	111.4
C	11.2	112.0
1/4	11.2	112.0
cb.	11.2	112.0
Cement.	11.64	111.51

21

180

19/10/5

Hatch

Evans

Hawley

3rd St.

Spruce - Upas

4th & Thorn.

Bm. 6.65 286.30

279.65

N line Spruce

E	7.7	278.6
cb	8.0	278.3
1/4	9.2	277.1
C	9.3	277.0
1/4	9.4	276.9
cb.	9.2	277.1
W	8.4	277.9

25' N of Spruce

W	8.3	278.0
cb.	9.3	277.0
1/4	8.9	277.4
C	8.3	278.0
1/4	7.9	278.4
cb.	7.6	278.7
E	7.1	279.2

22

286.30

50' N of Spruce

E	7.7	278.6
cb.	8.5	277.8
1/4	8.5	277.8
C	8.9	277.4
1/4	9.1	277.2
cb.	9.1	277.2
W	8.0	278.3

75' N of Spruce

W	7.9	278.4
2'	9.1	277.2
cb.	9.5	276.8
1/4	9.0	277.3
C	8.7	277.6
1/4	8.3	278.0
cb.	8.6	277.7
E	8.6	278.7

286.30

100' N of Spruce

E	7.5	278.8
cb.	8.2	278.1
1/4	8.1	278.2
C	8.4	277.9
1/4	8.5	277.8
cb.	9.1	277.2
10'	8.2	278.1
W	7.5	278.8

125' N of Spruce

VV	7.4	278.9
5'	8.6	277.7
cb.	8.9	277.4
1/4	8.5	277.8
C	8.4	277.9
1/4	7.9	278.4
cb.	8.1	278.2
E	7.6	278.7

286.30

150' N of Spruce

E	7.1	279.2
cb.	7.8	278.5
1/4	7.8	278.5
C	8.2	278.1
1/4	8.4	277.9
cb.	8.6	277.7
9'	8.5	277.8
W	6.9	279.4

175' N of Spruce

W	6.7	
6'	8.2	
cb.	8.2	
1/4	8.1	
C	7.9	
1/4	7.5	
cb.	7.6	
E	7.2	

286.30

200' N of Spruce

E	6.1	280.2
cb.	6.6	279.7
1/2	6.7	279.6
C	7.0	279.3
1/4	7.0	279.3
cb.	7.0	279.3
10'	6.8	279.5
W	6.5	279.5

225' N of Spruce

W	6.2	280.1
5'	6.7	279.6
cb.	6.5	279.8
1/4	6.3	280.0
C	6.1	280.2
1/4	6.3	280.0
cb.	6.1	280.2
E	5.8	280.5

286.30

250' N of Spruce

E	5.6	280.7
cb.	5.8	280.5
1/2	6.1	280.2
C	6.1	280.2
1/4	6.3	280.0
cb.	6.5	279.8
8'	6.6	279.7
W	5.8	280.5

275' N of Spruce

W	5.6	280.7
cb.	5.7	280.6
1/4	5.4	280.9
C	5.4	280.9
1/4	5.5	280.8
cb.	5.3	281.0
E	5.1	281.2

286.30

300' N of Spruce - S line Thorr

E	5.2	281.1
cb	5.2	281.1
1/4	5.2	281.1
C	5.4	280.9
1/4	5.5	280.8
cb	5.4	280.9
W	5.7	280.6

N line Thorr

W	5.4	280.9
cb	4.5	281.8
1/4	4.5	281.8
C	4.8	281.5
1/4	4.7	281.6
cb	4.5	281.8
E	4.5	281.8

286.30

35' N of Thorr

E	7.3	281.0
cb	4.6	281.7
1/4	4.6	281.7
C	4.6	281.7
1/4	4.7	281.6
cb	4.9	281.4
W	5.1	281.2

50' N of Thorr

W	4.8	281.5
cb	4.6	281.7
1/4	4.7	281.6
C	4.5	281.8
1/2	4.2	282.1
cb	4.0	282.3
E	3.8	282.5

28630

75' N of Thorn

E	3.6	282.7
cb.	4.0	282.3
1/4	4.1	282.2
c	4.2	282.1
1/4	4.3	282.0
cb.	4.4	281.9
W	4.8	281.5

100' N of Thorn

W	4.4	281.9
cb.	4.3	282.0
1/4	4.0	282.3
c	3.8	282.5
1/4	4.0	282.3
cb.	3.6	282.7
E	3.5	282.8

28630

125' N of Thorn

E	3.1	283.2
cb.	3.2	283.1
1/4	3.5	282.8
c	3.7	282.6
1/4	3.9	282.4
cb.	3.8	282.5
W	4.3	282.0

150' N of Thorn

W	3.8	282.5
cb.	3.8	282.5
1/4	3.6	282.7
c	3.7	282.6
1/4	3.3	283.0
cb.	3.1	283.2
E	2.8	283.5

28630

175' N of Horn

E	2.6	283.7
cb.	2.8	283.5
1/4	3.0	283.3
c	3.2	283.1
1/4	3.5	282.8
cb.	3.8	282.5
W	3.9	282.4

200' N of Horn

W	3.5	282.8
cb.	3.4	282.9
1/4	3.3	283.0
c	3.0	283.3
1/4	2.5	283.8
cb.	2.4	283.9
E	2.3	284.0

27630

225' N of Horn

E	3.1	284.2
cb.	2.4	283.9
1/4	2.6	283.7
c	2.8	283.5
1/4	3.1	283.2
cb.	3.1	283.2
W	3.4	282.9

250' N of Horn

W	3.3	283.0
cb.	3.1	283.2
1/4	2.6	283.7
c	2.4	283.9
1/4	2.3	284.0
cb.	2.1	284.2
E	1.7	284.6

9 Hatch
15 Evans
10 Haslam
10

3^d St
Source - Upas

286.36

275' N of Thorn

E	1.7	284.6
cb.	1.9	284.4
1/4	2.0	284.3
a	2.7	283.9
1/4	2.6	283.7
cb.	2.6	283.7
W	2.9	283.4

300' N of Thorn - S. line Upas

W	2.7	283.9
cb.	2.5	283.8
1/4	2.7	283.9
e	2.0	284.3
1/4	1.8	284.5
cb.	1.7	284.6
E	1.5	284.8
Grade Stake	2.8	284.1

28 Hatch
 15 Ennis
 15 Haslam

K St.
 26th - 32^d

12.96 100.75 87.79
 East line 26th
 11.6 89.2
 S
 ch. 11.9 88.9
 1/4 11.9 88.9
 C 10.6 90.2
 1/4 10.3 90.5
 S 10.5 90.3
 N 8.7 92.1
 5' E of 26th
 N 3.5 95.3
 E 7.8 93.0
 11 7.8 93.0
 ch. 8.7 92.1
 1/4 9.6 91.2
 C 10.5 90.3
 1/4 11.8 89.0

29

100.75
 ch. 120 88 8
 S 13.7 87 1
 20' E of 26th
 S 13.1 87 7
 ch. 10.7 90 1
 1/4 11.1 89 7
 C 9.6 91 2
 S 8.4 92 4
 ch. 6.9 93 9
 N 4.7 96 1
 50' E of 26th
 N 3.4 97 4
 ch. 3.6 95 2
 1/4 6.6 94 2
 C 8.3 92 5
 1/4 10.0 90 8
 ch. 9.5 91 3
 S 8.2 88 6

100.75
75' E of 26th

S.	10.9	89.9
6'	9.2	91.6
cb.	9.0	91.8
1/4	9.0	91.8
C	6.8	94.0
1/4	5.0	95.8
cb.	4.6	96.2
N	1.8	99.0

100' E of 26th

N	1.3	100.5
8'	1.5	99.3
cb.	3.4	97.4
1/4	3.4	97.4
C	4.9	95.9
1/4	7.4	93.4
cb.	8.8	92.0
S	10.5	90.3

100.75
7.64 10 5.79 2.60 98.15
125' E of 26th

S	14.2	91.6
cb.	12.8	93.0
1/4	11.1	94.7
C	9.3	96.5
1/4	8.0	97.8
cb.	7.6	98.2
5'	5.8	100.0
N	4.3	101.5

150' E of 26th

N	3.9	102.9
7'	4.5	101.3
cb.	6.1	99.7
1/2	7.1	98.7
C	7.7	98.1
1/4	9.6	96.2
4'	11.0	94.8
cb.	11.6	94.2
S	13.2	92.6

105.79
175' E of 26^m

S	12.6	93.2
cb.	10.9	94.9
1/4	8.8	97.0
c	7.4	98.4
1/4	6.1	99.7
cb.	4.8	101.0
6'	3.1	102.7
N	1.3	104.3

200' E of 26^m

N	0.7	105.1
9'	2.3	102.5
cb.	3.9	101.9
1/4	4.7	101.1
c	6.6	99.2
1/4	8.5	97.3
cb.	10.3	95.5
S	11.9	93.9

105.79
225' E of 26^m

S	10.9	94.9
	10.0	95.8
	8.1	97.7
c	6.1	99.7
	7.2	101.6
cb.	3.2	102.6
7'	1.6	104.2
N	0.0	105.8

5.11 108.66 2.24 123.53
250' E of 26^m

N	1.7	107.0
7'	3.5	105.2
cb.	5.0	103.7
1/4	6.1	102.6
c	8.3	100.4
1/4	10.3	98.4
cb.	12.3	96.4
S	13.0	95.7

10866

275' E of 26th

S	12.5	96.2
cb.	11.1	97.6
1/4	9.3	99.4
c	7.3	101.4
1/4	5.4	103.3
cb	4.2	104.5
N	1.1	107.6

300' E of 26th

N	0.0	108.7
10'	1.5	107.2
cb.	2.7	106.0
1/4	2.7	106.0
	3.6	105.1
c	6.2	102.5
1/4	7.7	101.0
cb.	9.9	98.8
S	9.8	98.9

10866

325' E of 26th

S	10.0	98.7
cb.	8.8	99.9
1/4	6.7	102.0
c	5.2	103.5
1/4	3.7	105.3
cb	1.9	106.8
	4.17	110.74
N	2.09	106.57
	1.6	109.1

350' E of 26th

N	1.0	109.7
cb.	3.5	107.2
1/4	4.7	106.0
c	6.7	104.0
1/4	8.5	102.2
cb.	10.1	100.6
S	10.9	99.8

110.74

375' E of 26th

S	11.3	99.4
cb.	9.9	100.8
1/4	7.9	102.8
c	6.2	104.5
1/4	7.1	106.6
cb.	2.9	107.8
N	0.7	110.0

400' E of 26th

N.	0.8	109.9
cb.	2.6	108.1
1/4	3.7	107.0
c	5.6	105.1
1/4	7.3	103.4
5'	8.7	102.0
cb.	9.5	101.2
S	10.2	100.5

110.74

425' E of 26th

S	10.9	99.8
cb.	9.3	101.4
1/4	7.1	103.6
c	5.2	105.5
1/4	4.0	106.7
cb.	3.2	107.5
N	1.0	109.7

450' E of 26th

N.	1.2	109.5
cb.	2.8	107.9
1/4	3.9	106.8
c	5.8	104.9
1/4	7.3	103.4
6'	8.9	101.8
cb.	9.8	100.9
S	10.9	99.8

110.74
475' E of 26th

S	11.5	99.2
ob.	9.6	101.1
1/4	8.3	102.4
C	6.5	104.2
1/4	5.2	105.5
ob.	4.5	106.2
8'	2.4	108.3
N	2.0	108.7

500' E of 26th

N	4.0	106.7
7'	4.6	106.1
ob.	6.4	104.3
1/4	7.3	103.4
C	8.6	102.1
1/4	9.9	100.8
ob.	11.1	99.6
S	12.7	98.0

110.74
525' E of 26th

S	12.1	98.6
ob.	11.5	99.2
1/4	10.2	100.5
C	9.1	101.6
1/4	8.0	102.7
ob.	7.5	103.2
N	5.8	104.9

538' E of 26th

N	6.8	103.9
ob.	7.7	103.0
1/4	8.2	102.5
C	9.5	101.2
1/4	10.5	100.2
ob.	11.6	99.1
S	12.7	98.6

110.74

550' E of 26th

S	12.4	98.3
cb.	11.4	99.3
1/4	9.7	101.0
c	8.0	102.7
1/4	7.0	103.7
cb.	6.9	103.8
N	5.1	105.6

575' E of 26th

N	2.4	108.3
8'	2.9	107.8
cb.	4.8	105.9
1/4	5.4	105.3
c	7.2	103.5
1/4	9.2	101.5
cb.	10.5	100.2
S	11.8	98.9

110.74

600' E of 26th - W. line 27th

S	11.0	99.7
cb.	9.4	101.3
1/4	7.6	103.1
c	5.7	105.0
1/4	3.8	106.9
cb.	2.6	108.1
3'	1.8	109.5
N	0.0	110.7

Spk. in Fence Post E. Cor. 27th

B.M. 1224 113.20 9.78 101.96

W. cb. 27th

S	13.1	100.1
cb.	11.5	101.7
1/4	9.8	103.4
c	8.4	104.8
1/4	6.2	107.0
cb.	4.7	108.5
N	2.6	110.6

Note - 27th St is 45' wide -

11320
W 1/4 27th

N.	2.2	111.0
cb.	4.1	109.1
1/4	5.6	107.6
C	7.5	105.7
1/4	9.3	103.9
cb.	11.4	101.8
S	12.8	100.4

Centre 27th

S	12.6	100.6
cb.	11.5	101.7
1/4	9.2	104.0
C	7.4	105.8
1/4	5.3	107.9
cb.	3.9	109.3
N	2.4	110.8

11326
E 1/4 27th

N.	1.2	112.0
cb.	3.6	109.6
1/4	5.1	108.1
C	7.3	105.9
1/4	9.7	103.5
cb.	11.9	101.3
S	12.8	100.4

E cb. 27th

S	12.9	100.3
cb.	11.7	101.5
1/4	9.3	103.9
C	7.2	106.0
1/4	4.8	108.4
cb.	3.2	110.0
N.	0.6	112.6

11320

E line 27th St.

N	0.9	112.3
cb	3.3	109.9
1/4	4.8	108.4
C	7.2	106.0
1/4	8.9	104.3
cb	11.7	101.5
S	12.6	100.6

25' E of 27th

S	13.1	100.1
cb	18.6	100.6
6'	10.1	103.1
1/4	8.8	104.4
C	6.4	106.8
1/4	3.9	109.3
cb	2.4	110.8
3	1.4	111.8
N	0.2	113.0

11320

50' E of 27th

N	1.2	112.0
cb	3.9	109.3
1/4	5.2	108.0
C	7.2	106.0
1/4	9.6	103.6
6'	10.5	102.7
cb	13.5	99.7
S	13.9	99.3

75' E of 27th

S	13.7	99.5
cb	13.5	99.7
1/4	10.4	102.8
C	8.4	104.8
1/4	6.0	107.2
cb	4.8	108.4
N	2.4	110.8

113.20

100' E of 37th

N	3.3	109.9
11'	4.5	108.7
db.	6.1	107.1
1/4	7.4	105.8
c	9.6	103.6
1/4	11.6	101.6
db.	14.0	99.2
S	14.3	98.9

125' E of 37th

S	14.9	98.3
db.	13.0	98.2
1/4	13.3	99.9
c	11.7	101.5
1/4	9.3	103.9
db.	8.4	104.8
N	6.3	106.9

9/15 { Hatch
Swamp
Moslem
113.20

135' E of 37th

N	6.8	106.4
db.	9.5	103.7
1/4	11.6	101.6
c	11.9	101.3
1/4	13.8	99.4
db.	13.2	98.0
S	14.8	98.4

150' E of 37th

S	14.9	98.3
db.	14.9	98.3
1/4	12.6	100.6
c	10.8	102.4
1/4	9.2	104.0
db.	8.1	105.1
N	5.5	107.7
TP	12.8	100.39

$\frac{9}{16}$ { Hatch
 $\frac{1}{6}$ { Evans
 $\frac{1}{5}$ { Metmore.

T.P.	9.25	109.64	100.39
S		17.5 E of 57 th	97.5
cl.		10.9	98.7
3'		9.8	99.8
$\frac{1}{4}$		7.7	101.9
C		4.7	104.9
$\frac{1}{4}$		2.4	107.2
10'		2.4	107.2
cl.		1.7	107.9
4'		0.3	109.3
T.P.	340	112.44	109.04
N		2.0	110.4
		200' E of 27 th	
N		0.2	112.2
cl.		3.7	108.7
$\frac{1}{4}$		5.2	106.2
C		7.2	105.2
$\frac{1}{4}$		10.3	102.1
T.P.	9.21	109.04	99.83

39

		109.04	
cl.		10.3	98.7
S		12.2	96.8
		225 E of 27 th	
S		13.0	96.0
cl.		11.3	97.7
$\frac{1}{4}$		8.3	100.7
C		4.9	104.1
$\frac{1}{4}$		1.7	107.3
cl.	4.51	113.19	108.68
N		0.8	111.4
		250' E of 27 th	
N		2.7	110.5
10'		4.7	108.5
cl.		6.5	106.7
$\frac{1}{4}$		7.8	105.4
C		11.0	102.2
TR	4.45	105.78	101.33

10578

1/4	6.1	99.7
cb.	8.7	97.1
3'	9.2	96.6
S	10.7	95.1

275' E of 27th

S	11.8	94.0
10	11.4	94.4
cb.	10.0	95.8
1/4	8.0	97.8
C	5.8	100.0

1/4	2.8	103.0
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cb.	1.2	104.6
T.R.	1.74	108.68
N	1.84	103.97
	1.0	107.7

297' E of 27th - W. line Bay View

N	2.3	106.4
cb.	5.6	103.1
1/4	7.7	101.0
C	10.3	98.4

Jungles

100.89
 4.33
 105.72
 27.13
 78.4

10868

1/4	12.2	96.5
T.R.	7.96	104.74
4'	11.5	93.2
S	11.9	92.8

W. cb. Bay View

S	12.2	92.5
10	11.9	92.8
cb.	10.7	94.0
1/4	9.0	95.7
C	6.8	97.9

1/4	4.1	100.6
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cb.	3.1	101.6
T.R.	2.97	106.31
N	1.20	103.34
	0.2	106.1

W 1/4 Bay View

N	1.6	104.7
cb.	5.5	100.8
1/4	7.4	98.9
C	9.8	96.5

106.31

1/4	11.7	94.6
9/	12.7	93.6
06.	14.0	92.3

S	14.5	91.8
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T.P.	8.74	103.51	11.54	94.77
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C Bay View

S	12.6	90.9
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cb.	11.5	92.0
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9/	9.8	93.7
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1/4	9.3	94.2
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C	7.9	95.6
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1/4	5.7	97.5
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cb	4.1	99.4
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N	0.9	102.6
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E 1/4 Bay View

N	1.9	101.6
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cb.	5.1	98.4
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1/4	6.4	97.1
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103.51

C	8.3	95.2
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1/4	9.8	93.7
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3/	11.2	92.3
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cb.	11.7	91.8
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S	12.9	90.6
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E Cb. Bay View

S	13.3	90.2
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cb.	12.7	90.8
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1/4	11.4	92.1
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4/	10.2	93.3
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C	9.0	94.5
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1/4	7.3	96.2
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cb	6.3	97.2
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N	3.0	100.5
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TP	19.1	100.10	5.32	98.19
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E line Bay View

N	1.0	99.1
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cb.	3.6	96.5
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100.10

1/4	4.9	95.2
c	6.4	93.7
1/4	8.2	91.9
cb.	9.6	90.5
S	9.8	90.3

25' E of Bay View

S	10.6	89.5
cb.	10.0	90.1
1/4	8.5	91.6
c	7.5	92.6
1/4	6.2	93.9
cb.	5.1	95.0
N	3.0	97.1

50' E of Bay View

N	4.6	95.5
cb.	6.1	94.0

100.10

1/4	7.5	92.6
c	8.2	91.9
1/4	8.9	91.2
cb.	10.5	89.6
S	11.3	88.8

75' E of Bay View

S	12.1	88.0
cb.	10.9	89.2
1/4	9.6	90.5
c	8.6	91.5
1/4	7.5	92.6
cb.	7.2	92.9
N	6.3	93.8

100' E of Bay View

N	8.0	92.1
cb.	8.4	91.7

9/16
10/5 { Haled
Evans
Haskins

100.10

1/4	9.2	90.9
c	9.9	90.2
1/4	10.8	89.3
ob.	12.0	88.1
S	12.7	87.4

135' E of Bay View

S	13.2	86.9
ob.	12.7	87.4
1/4	12.1	88.0
c	10.7	89.4
1/4	10.2	89.9
ob.	9.6	90.5
N	8.6	91.5

150' E of Bay View

N	9.9	90.2
ob.	10.4	89.7

43

100.10

1/4	11.4	88.7
c	12.6	87.5
1/4	12.8	87.3
ob.	13.1	87.0
S	13.8	86.3

T.P. 2.69 91.26 11.53 88.57

175' E of Bay View

S	6.3	85.10
ob.	5.9	85.4
1/2	5.2	86.1
c	4.3	87.0
1/4	4.5	86.8
ob.	3.2	88.1
N	3.0	88.3

200' E of Bay View

N	3.0	86.3
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9/15/05

9/8/87 Hatch
Evans
Haslam

91.26

cb.	5.1	86.2
1/4	5.8	85.5
c	6.6	84.7
1/4	7.7	83.6
cb.	8.6	82.7
S.	9.0	82.3

225' E of Bay View

S	12.7	78.6
cb.	10.8	80.5
1/4	10.5	80.8
c	9.7	81.6
1/4	9.3	82.1
cb.	7.8	83.5
N.	7.0	84.3

240' E of Bay View

N.	9.0	82.3
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44

91.26

cb.	10.9	80.4
1/4	12.1	79.2
c	13.4	77.9
1/4	13.6	77.7
cb.	12.5	77.8
S.	13.2	78.1

= W line 28th St.
263' E of Bay View

S	11.8	79.5
cb.	11.9	79.4
1/2	11.5	79.8
c	11.0	80.3
1/4	10.7	80.6
cb.	10.7	80.6
N.	10.5	80.8

Station 28th St is 53' wide
with Pueblo line for East line

9126

W of 28th St

N.	10.2	81.1
cb.	10.6	80.7
1/4	10.8	80.5
c	11.6	79.7
1/4	11.5	79.8
cb.	11.4	79.7
S	11.4	79.9

W 1/4 28th St.

S	11.1	80.2
cb.	11.2	80.1
1/4	11.5	79.8
c	11.0	80.3
1/4	11.1	80.2
cb.	10.5	80.8
N	10.2	81.1

45

9126

C 28th St.

N.	10.1	81.2
cb.	10.7	80.6
1/4	10.7	80.6
c	10.7	80.6
1/4	11.0	80.3
cb.	11.2	80.1
S	10.9	80.4

E 1/4 28th

S	10.7	80.6
cb.	10.9	80.4
1/4	10.8	80.5
c	10.8	80.5
1/4	10.2	81.1
cb.	10.2	81.1
N	10.2	81.1

9126
E cb 28th

N	9.7	81.6
cb	9.6	81.7
1/4	9.9	81.4
c	11.1	80.2
1/4	10.6	80.7
cb	10.6	80.7
S	10.5	80.8

E line 28th At

S	10.6	80.7
cb	10.4	80.9
1/4	10.6	80.7
c	10.1	81.2
1/4	10.7	80.6
5'	9.2	82.1
cb	9.3	82.0
N	9.1	82.2
T.F.	232	90.50 90.8

(N.E.H.)
at 28th

90.50
25' E of 28th

N	8.9	81.6
cb	9.5	81.0
1/4	9.3	81.2
c	9.2	81.3
1/2	9.2	81.3
cb	9.2	81.3
S	9.5	81.0

50' E of 28th

S	9.3	81.2
cb	8.7	81.8
1/4	8.8	81.7
c	8.9	81.6
1/2	8.7	81.8
cb	8.6	81.9
N	8.7	81.8

90.50
75' E of 28th

N	7.9	82.6
cb	7.8	82.7
1/2	7.9	82.6
c	7.9	82.6
1/4	8.2	82.3
cb	8.4	82.1
S	8.5	82.0

100' E of 28th

S	7.8	82.7
cb	7.7	82.8
1/2	7.3	83.2
c	7.2	83.3
1/4	6.8	83.7
cb	6.6	83.9
N	6.6	83.9

90.50
125' E of 28th

N	5.7	84.8
cb	5.3	85.2
1/2	5.6	84.9
c	6.0	84.5
1/4	6.0	84.5
cb	6.9	83.6
S	6.4	84.1

150' E of 28th

S	5.9	84.6
cb	5.5	85.0
1/2	4.9	85.6
c	4.6	85.9
1/4	5.2	85.3
cb	4.0	86.5
N	4.2	86.3

90.50
175' E of 28th

N.	3.5	87.0
cb.	4.3	86.2
1/4	4.0	86.5
0	4.3	86.2
1/4	4.8	85.7
cb.	5.1	85.4
S	4.6	85.9

200' E of 26th W. line Haitto

S	5.1	85.4
cb.	4.2	86.3
1/4	4.5	86.0
0	4.1	86.4
1/4	4.3	86.2
cb.	3.7	86.8
N	3.9	86.6

(Haitto 80')

48

90.50
W. cb. Haitto

N.	3.5	87.0
cb.	4.0	86.5
1/4	3.8	86.7
0	3.9	86.6
1/4	4.5	86.0
cb.	4.4	86.1
S	4.7	85.8

W 1/2 Haitto

S	4.5	86.0
cb.	4.9	85.6
1/4	4.4	86.1
0	4.6	85.9
1/4	3.8	86.7
cb.	3.5	87.0
N.	3.7	86.8

90.50

C. Haiti

N	3.4	87.1
cb	3.7	86.8
1/4	3.9	86.60
C	4.3	86.2
1/2	4.4	86.1
cb	4.8	85.7
S	4.7	85.8

E 1/4 Haiti

S	4.8	85.7
cb	4.4	86.1
1/4	4.8	85.7
C	4.6	85.9
1/2	4.0	86.5
cb	3.9	86.6
N	3.7	86.8

90.50

E Cb. Haiti

N	3.8	86.7
cb	4.1	86.4
1/4	4.3	86.2
C	4.8	85.7
1/2	5.2	85.3
cb	4.8	85.7
S	4.9	85.6

E line Haiti

S	5.1	85.4
cb	4.9	85.6
1/4	4.9	85.6
C	5.1	85.4
1/2	4.8	85.7
cb	4.4	86.1
N	4.1	86.4

90.50

25' E. of Haults

S	5.6	84.9
cb	5.5	85.0
1/2	5.6	84.9
c	5.7	84.8
1/4	5.1	85.4
cb	4.7	85.8
N	4.6	85.9

50' E. of Haults

N	5.4	85.1
cb	6.1	84.4
1/2	6.5	84.0
c	6.4	84.1
1/4	6.3	84.2
cb	6.1	84.4
S	6.5	84.0

90.50

75' E. of Haults

S	7.3	83.2
cb	7.0	83.5
1/2	7.0	83.5
c	7.0	83.5
1/4	6.7	83.8
cb	6.6	83.9
N	5.8	84.7

100' E. of Haults

N	7.0	83.5
cb	7.5	83.0
1/2	7.0	83.5
c	7.3	83.2
1/4	7.6	82.9
cb	7.9	82.6
S	8.0	82.5

90.50

125' E of Haults

S	8.4	82.1
cb	8.4	82.1
1/4	8.3	82.2
C	8.0	82.5
1/4	7.7	82.5
cb	7.4	83.1
N	7.6	82.9

150' E of Haults

N	8.3	82.2
cb	8.1	82.4
1/4	8.3	82.2
C	8.2	82.3
1/4	8.3	82.2
cb	9.0	81.5
S	9.1	81.4

90.50

175' E of Haults

S	9.5	81.0
cb	9.5	81.0
1/4	9.1	81.4
C	8.9	81.6
1/4	8.7	81.8
cb	8.4	82.1
N	8.3	82.2

200' E of Haults - W line 29th

N	9.0	81.5
cb	9.1	81.4
1/4	9.1	81.4
C	9.5	81.0
1/4	9.5	81.0
cb	10.0	80.5
S	11.0	81.60

10.0 80.50 {SW Hub} 29th

81.60

SW cb. 29th

S	1.4	80.2
cb.	1.2	80.4
1/4	1.1	80.5
c	0.8	80.8
1/4	0.4	81.2
cb.	0.3	81.3
N	0.4	81.2

NW cb. 29th

N	0.5	81.1
cb.	0.8	80.8
1/4	0.8	80.8
c	0.9	80.7
1/4	1.1	80.5
cb.	1.5	80.1
S	1.6	80.0

81.60

SW 1/4 29th

S	1.8	79.8
cb.	1.7	79.9
1/4	1.3	80.3
c	1.1	80.5
1/4	0.9	80.7
cb.	0.9	80.7
N	1.1	80.5

NW 1/4 29th

N	1.2	80.4
cb.	1.1	80.5
1/4	0.9	80.7
c	1.4	80.2
1/4	1.7	79.9
cb.	1.9	79.7
S	1.9	79.7

81.60

S. Centre 29th

S	1.8	79.8
cb.	1.6	80.0
1/4	1.4	80.2
c	1.1	80.5
1/4	0.9	80.7
cb.	1.1	80.5
N.	1.2	80.4

S.E. 1/4 29th
N. Centre 29th

N.	1.4	80.2
cb.	1.5	80.1
1/4	1.3	80.3
c	1.4	80.2
1/4	1.8	79.8
cb.	2.1	79.5
S	2.0	79.6

81.60

S.E. cb 29th

S	2.1	79.5
cb.	2.3	79.3
1/4	2.0	79.6
c	1.5	80.0
1/4	1.7	79.9
cb.	1.6	80.0
N.	1.4	80.2

N.E. 1/4 29th

N.	1.4	80.2
cb.	1.8	79.8
1/4	1.8	79.8
c	1.6	80.0
1/4	2.1	79.5
cb.	2.5	79.1
S	2.2	79.4

81.60

SE line 29th

S	2.6	79.0
cb.	2.5	79.1
1/4	2.3	79.3
c	1.9	79.7
1/2	2.1	79.5
cb.	2.2	79.4
N	1.6	80.0

NE cb. 29th

N	1.8	79.8
cb.	2.3	79.3
1/4	2.4	79.2
c	2.3	79.3
1/2	2.5	79.1
cb.	2.7	78.9
S	2.8	78.8

measurements east of 29th 54
taken on North side -

81.60

NE line 29th

S	2.9	78.7
cb.	2.8	78.8
1/4	2.7	78.9
c	2.7	78.9
1/2	2.7	78.9
cb.	2.4	79.2
N	2.2	79.4

25' E of 29th

N	3.1	78.5
cb.	3.2	78.4
1/4	3.5	78.1
c	3.5	78.1
1/2	3.8	77.8
cb.	3.9	77.7
S	3.9	77.7

	8160		
	50' E of	29 th	
S		4.7	76.9
db.		4.1	77.2
1/4		4.2	77.4
c		4.5	77.1
1/4		4.1	77.5
db.		4.2	77.4
N		3.9	77.7
	75' E of	29 th	
N		4.6	77.0
db.		4.8	76.8
1/4		4.9	76.7
c		5.3	76.3
1/4		5.1	76.5
db.		5.0	76.6
S		4.8	76.8

	8160		
	100' E of	29 th	
S		5.3	76.3
db.		5.3	76.3
1/4		5.7	75.9
c		5.7	75.9
1/4		5.3	76.3
db.		5.2	76.4
N		5.2	76.4
	125' E of	29 th	
N		5.7	75.9
db.		5.8	75.8
1/4		6.0	75.6
c		6.0	75.6
1/4		6.1	75.5
db.		6.1	75.5
S		6.1	75.5

8160

150' E of 29th

S	6.5	75.1
cb.	6.4	75.2
1/4	6.5	75.1
c	6.5	75.1
1/4	6.8	74.8
cb.	6.3	75.3
N	6.2	75.4

175' E of 29th

N	6.6	75.0
cb.	7.0	74.6
1/4	6.9	74.7
c	6.9	74.7
1/4	7.0	74.6
cb.	6.9	74.7
S	6.7	74.9

8160

200' E of 29th W line Dodson

S	7.3	74.3
cb.	7.3	74.3
1/4	7.3	74.3
c	7.2	74.4
1/4	7.4	74.2
cb.	7.4	74.2
N	7.1	74.5

W cb. Dodson

N	7.9	73.7
cb.	7.7	73.9
1/4	7.5	74.1
c	7.6	74.0
1/4	7.5	74.1
cb.	7.5	74.1
S	7.7	73.9

8160

W 1/4 Dodson

S	7.7	73.9
cb.	7.7	73.9
1/4	7.7	73.9
c	7.9	73.7
1/4	8.0	73.6
cb.	8.0	73.6
N.	8.0	73.6

C Dodson

N	8.3	73.3
cb.	7.9	73.7
1/4	7.8	73.8
c	8.2	73.4
1/4	7.9	73.7
cb.	7.8	73.8
S	7.8	73.8

8160

E 1/4 Dodson

S	8.2	73.4
cb.	8.3	73.3
1/4	8.0	73.6
c	8.2	73.4
1/4	7.9	73.7
cb.	8.1	73.5
N.	8.4	73.2

E cb Dodson

N	8.5	73.1
cb.	8.1	73.5
1/4	8.2	73.4
c	8.5	73.1
1/4	8.3	73.3
cb.	8.5	73.1
S	8.3	73.3

81.60

E line Dodson

S	8.3	73.1
cb.	8.7	72.9
1/4	8.4	73.2
C	8.5	73.1
1/4	8.3	73.3
cb.	8.3	73.2
N	8.4	73.2

25' E of Dodson

N	8.9	72.7
cb.	8.6	73.0
1/4	8.6	73.0
C	8.7	72.9
1/4	8.9	72.7
cb.	8.7	72.9
S	8.6	73.0

81.60

50' E of Dodson

S	8.4	73.2
cb.	8.8	72.8
1/4	8.9	72.7
C	8.9	72.7
1/4	8.9	72.7
cb.	8.8	72.8
N	9.0	72.6

75' E of Dodson

N	9.2	72.4
cb.	9.1	72.5
1/4	9.0	72.6
C	9.1	72.5
1/4	9.3	72.8
cb.	9.3	72.8
S	8.8	72.8

81.60

100' E of Dodson

S	9.4	72.2
cb.	9.4	72.2
1/4	9.3	72.3
c	9.4	72.2
1/4	9.3	72.3
cb	9.4	72.2
N	9.3	72.3

125' E of Dodson

N	9.1	72.5
cb	9.5	72.1
1/4	9.9	71.7
c	9.8	71.8
1/4	9.6	72.0
cb	9.5	72.1
S	9.6	72.0

81.60

150' E of Dodson

S	10.0	71.6
cb	9.9	71.7
1/4	9.8	71.8
c	9.9	71.7
1/4	10.0	71.6
cb	9.9	71.7
N	9.7	71.9

175' E of Dodson

N	9.9	71.7
cb	10.3	71.3
1/4	10.4	71.2
c	9.9	71.7
1/4	9.9	71.7
cb	9.8	71.8
S	10.0	71.6

81.60

5.45

77.06

9.9.9

71.61

200' E of Dodson - W line ^N 30°

S	6.0	71.0
cb	5.9	71.1
1/4	5.7	71.3
c	5.9	71.1
1/4	5.9	71.1
cb	5.3	71.7
N	5.4	71.6

W cb - North 30°

N	5.6	71.4
cb	5.8	71.2
1/4	5.9	71.1
c	5.8	71.2
1/4	6.0	71.0
cb	6.0	71.0
S	5.7	71.3

77.06

N 1/4 North 30°

S	6.2	70.8
cb	6.1	70.9
1/4	6.0	71.0
c	6.0	71.0
1/4	6.0	71.0
cb	5.5	71.5
N	5.3	71.7

C North 30°

N	5.3	71.7
cb	5.5	71.5
1/4	5.9	71.1
c	5.7	71.3
1/4	6.0	71.0
cb	6.1	70.9
S	6.3	70.7

77.06

E 1/4 North 30th

S	6.2	70.9
cb.	6.0	71.1
1/4	6.0	71.1
c	5.6	71.5
1/4	5.9	71.2
cb.	5.7	71.4
N	5.7	71.4

E cb. North 30th

N	5.7	71.4
cb.	6.0	71.1
1/4	5.7	71.4
c	5.8	71.3
1/4	6.0	71.1
cb.	6.1	71.0
S	6.1	71.0

77.06

E line North 30th

S	6.0	71.0
cb.	6.1	70.9
1/4	5.9	71.1
c	5.6	71.4
1/4	6.0	71.0
cb.	6.0	71.0
N	5.6	71.4

25' E of North 30th

N	5.9	71.1
cb.	5.8	71.2
1/4	6.0	71.0
c	6.1	70.9
1/4	5.7	71.3
cb.	5.0	72.0
S	5.8	71.2

77.06

50' E of North 30th

S	5.9	71.1
cb.	5.9	71.1
1/4	5.5	71.5
c	5.6	71.4
1/4	5.8	71.2
cb.	5.8	71.2
N	5.6	71.4

75' E of North 30th

N	5.4	71.6
cb.	5.6	71.4
1/4	5.7	71.3
c	5.7	71.3
1/4	5.9	71.1
cb.	5.3	71.7
S	5.2	71.8

77.06

100' E of North 30th

S	5.6	71.4
cb.	5.1	71.9
1/4	5.0	72.0
c	4.9	72.1
1/4	5.5	71.5
cb.	5.5	71.5
N	5.4	71.6

125' E of North 30th

N	5.1	71.9
cb.	5.2	71.8
1/4	4.9	72.1
c	4.7	72.3
1/4	4.8	72.2
cb.	4.9	72.1
S	5.6	71.4

770.6

140° E of North 30th - W line S. 30th

S	5.6	71.4
cb.	5.3	71.7
1/4	5.2	71.8
c	5.0	72.0
1/4	4.9	72.1
cb	4.8	72.2
N	5.1	71.9

W cb. of South 30th

N	4.8	72.2
cb	4.5	72.5
1/4	4.6	72.4
c	4.9	72.1
1/4	5.0	72.0
cb	5.3	71.7
S	5.5	71.5

W 1/4 South 30th

N.	4.7	72.3
cb.	4.4	72.6
1/4	4.3	72.7
c	4.6	72.4
1/4	5.1	71.9
cb	5.2	71.8
S	5.5	71.5

Centre South 30th

S	5.4	71.6
cb.	5.2	71.8
1/4	4.9	72.1
c	4.6	72.4
1/4	4.4	72.6
cb.	4.5	72.5
N	4.7	72.3

7706
E 1/4 South 30th

N	4.8	72.2
cb	4.2	72.8
1/4	4.2	72.8
c	4.6	72.4
1/4	5.3	71.7
cb	5.2	71.8
S	5.2	71.8

E Ch. South 30th

S	5.1	71.9
cb	5.2	71.8
1/4	5.0	72.0
c	4.7	72.3
1/4	4.7	72.3
cb	4.7	72.3
N	4.7	72.3

9/18/18 Hatch
10/18/18 Evans
10/18/18 Haula

7706
E line South 30th

N	5.0	72.0
cb	5.0	72.0
1/4	5.1	71.9
c	5.1	71.9
1/4	5.1	71.9
cb	5.3	71.7
S	5.1	71.9

30th 282 77.95 1.89 5.07
new old
71.49

50' E of 30th

S	5.8	72.2
cb	6.0	72.0
1/4	5.6	72.4
c	5.4	72.6
1/4	5.6	72.4
cb	5.3	72.7
N	5.3	72.7

9/19/05 { Hatch
Evans
Haslam.

77.95

100' E of 30th

N	5.4	72.6
cb.	5.4	72.6
1/4	5.4	72.6
c	5.5	72.5
1/4	5.4	72.6
cb.	6.0	72.0
S	5.4	72.6

150' E of 30th

S	5.0	73.0
cb.	5.5	72.5
1/4	5.1	72.9
c	5.1	72.9
1/4	5.3	72.7
cb.	5.5	72.5
N	5.1	72.9

65

77.95

200' E of 30th

N	4.9	73.1
cb.	4.7	73.3
1/4	5.2	72.8
c	5.2	72.8
1/4	4.8	73.2
cb.	4.7	73.3
S	4.3	73.7

225' E of 30th

S	4.2	73.8
cb.	4.3	73.7
1/4	4.8	73.2
c	4.9	73.1
1/4	5.1	72.9
cb.	5.0	73.0
N	4.5	73.5

77.95

250' E of 30th

N	4.9	73.1
cb.	4.8	73.2
1/4	4.8	73.2
c	4.5	73.5
1/4	4.3	73.7
cb.	4.2	73.8
S.	3.7	74.3

300' E of 30th

S	3.5	74.5
cb.	3.9	74.1
1/4	3.5	74.5
c	4.3	73.7
1/4	4.3	73.7
cb.	4.4	73.6
N	4.6	73.4

77.95

350' E of 30th

N	4.1	73.9
cb.	3.8	74.2
1/4	3.5	74.5
c	3.5	74.5
1/4	3.3	74.7
cb.	3.4	74.6
S.	3.1	74.9

400' E of 30th

S	2.3	75.7
cb.	2.8	75.2
1/4	2.4	75.6
to	7.56	83.06
c	2.45	75.50
	7.6	75.4
1/4	7.6	75.4
cb.	8.0	75.0
N	8.4	74.6

83.06

450' E of 30th

N	7.9
ob.	7.4
1/4	7.1
c	6.8
1/4	6.2
ob.	6.4
S	6.4

500' E of 30th

S	5.7
ob.	5.8
1/4	5.7
c	5.7
1/4	5.8
ob.	5.9
N	6.3

75.6

75.6

75.9

76.2

76.8

76.6

76.6

77.3

77.2

77.3

77.3

77.2

77.1

76.7

83.06

550' E of 30th

N

ob.

1/4

c

1/4

ob.

S

S

ob.

1/4

c

1/4

ob.

N

6.4

6.0

5.8

5.9

5.4

5.7

5.6

5.4

5.4

5.5

5.9

5.7

5.5

6.1

67

76.6

77.0

77.2

77.1

77.6

77.3

77.4

77.6

77.6

77.5

77.1

77.3

77.5

76.9

8306

600' E of 30th - W line 31st

N	6.1	76.9
cb.	5.9	77.1
1/4	5.9	77.1
c	5.5	77.5
1/4	5.1	77.9
cb.	5.3	77.7
S	5.1	77.9

W cb 31st

S	5.7	77.9
cb.	5.2	77.8
1/4	4.8	78.2
c	5.2	77.8
1/4	5.8	77.2
cb.	5.9	77.1
N	6.0	77.0

8306

W 1/4 31st

N	6.0	77.1	77.0
cb.	5.9		77.1
1/4	5.5		77.5
c	4.9		78.1
1/4	4.9		78.1
cb.	5.3		77.7
S	5.0		78.0

C 31st

S	5.0		78.0
cb.	5.1		77.9
1/4	5.0		78.0
c	4.8		78.2
1/4	5.2		77.8
cb.	5.8		77.2
N	5.9		77.1

83.06

E 1/4 31st

N	5.9
cb	5.9
1/4	5.2
C	4.8
1/4	5.0
cb	5.4
S	5.0

E cb 31st

S	4.8
cb	5.1
1/4	4.7
C	4.6
1/4	4.9
cb	5.3
N	5.4

77.1

77.6

77.8

78.2

78.0

77.6

78.0

78.2

77.9

78.3

78.4

78.1

77.7

77.6

83.06

E line 31st

N	5.3	77.7
cb	5.4	77.6
1/4	4.8	78.2
C	4.7	78.3
1/4	4.7	78.3
cb	4.8	78.2
S	4.8	78.2

Sub. from Post. S.E. Cor. 31st & H.
 4.95 85.02 2.99 80.07

50' E of 31st

S	6.5	78.5
cb	6.4	78.6
1/4	6.3	78.7
C	6.2	78.8
1/4	5.9	79.1
cb	6.1	78.9
N	6.0	79.0

8502
100' E of 31st

N.	5.9	79.1
db.	5.7	79.3
1/4	5.7	79.3
c	6.1	78.9
1/4	6.3	78.7
db	6.0	79.0
S	6.0	79.0

150' E of 31st

S	6.1	78.9
db	6.4	78.6
1/4	6.6	78.4
c	6.1	78.9
1/4	6.1	78.9
db	5.0	80.0
N	5.0	80.0

8502
175' E of 31st

N	6.0	79.0
db	6.2	78.8
1/4	6.4	78.6
c	6.6	78.4
1/4	6.4	78.6
db	6.5	78.5
S	6.2	78.8

200' E of 30th

S	6.2	78.8
db	6.6	78.4
1/4	6.2	78.8
c	6.6	78.4
1/4	6.5	78.5
db	6.2	78.8
N	5.4	79.6

8502

225' E of 31st

N	4.5	79.5
cb	5.8	79.2
1/4	6.3	78.7
c	6.5	78.5
1/4	6.3	78.7
cb	6.5	78.5
S	6.1	78.9

250' E of 31st

S	5.9	79.1
cb	6.4	78.6
1/4	6.4	78.6
c	6.3	78.9
1/4	6.0	79.0
cb	5.6	78.4
N	5.4	79.6

8502

275' E of 31st

N	5.5	79.5
cb	5.4	79.6
1/4	4.9	80.1
c	5.1	79.9
1/4	5.8	79.2
cb	5.8	79.2
S	3.8	81.2

300' E of 31st

S	5.3	79.7
cb	5.8	79.2
1/4	5.8	79.2
c	5.1	79.9
1/4	3.7	81.3
cb	3.4	81.6
N	4.4	80.6

8502

325' E of 31st

N	5.4	79.6
db	5.3	79.7
1/4	5.5	79.5
C	5.6	79.0
1/4	5.7	79.3
cb	5.4	79.6
S	5.5	79.5

350' E of 31st

S	3.8	81.2
cb	3.9	81.1
1/4	3.9	81.1
C	4.7	80.3
1/4	5.2	79.9
cb	5.1	79.9
N	5.0	80.0

8502

375' E of 31st

N	4.7	80.3
db	4.5	80.5
1/4	3.8	81.2
C	2.9	82.1
1/4	2.9	82.1
db	3.3	81.7
S	3.9	81.1

400' E of 31st

S	5.0	80.0
db	4.6	80.4
1/4	3.7	81.3
C	4.0	81.0
1/4	4.2	80.8
db	4.0	81.0
N	3.3	81.7

8502

72.5' E of 31st

N	2.9	82.1
db	4.0	81.0
1/2	4.5	80.5
C	4.4	80.6
1/4	4.3	80.7
db	4.6	80.4
S	4.6	80.4

450' E of 31st

S	4.2	80.8
db	4.2	80.8
1/2	4.0	81.0
C	4.0	81.0
1/4	4.2	80.8
db	4.1	80.9
N	4.0	81.0

8502

500' E of 31st

N	3.1	81.9
db	3.1	81.9
1/2	3.8	81.2
C	4.1	80.9
1/4	4.2	80.8
db	4.4	80.6
S	4.3	80.7

517 85.82 4.37 80.65
525' E of 31st

S	4.9	80.9
db	5.0	80.8
1/2	5.0	80.8
C	4.9	80.9
1/4	4.7	80.1
db	4.3	80.5
N	3.7	82.1

8582

575 E of 31st

N	4.7	80.1
cb	4.6	80.2
1/4	4.7	80.1
C	4.9	80.9
1/4	5.0	80.8
cb	5.1	80.7
S	4.8	80.0

600 E of 31st W. line 32nd

S	5.4	80.4
cb	5.1	80.7
1/4	4.9	80.9
C	4.9	80.9
1/4	4.8	81.0
cb	4.6	81.2
N	4.2	81.6

8582

W cb 32nd

N	4.6	80.2
cb	4.6	80.2
1/4	4.7	80.1
C	4.8	80.2
1/4	5.0	80.8
cb	5.1	80.7
S	5.3	80.5

W 1/4 32nd

S	4.7	80.1
cb	4.4	80.4
1/4	4.7	80.1
C	4.6	80.2
1/4	4.5	80.3
cb	4.1	80.7
N	4.2	80.6

8582

C

329

N	4.7	80.1
cb	4.7	80.1
1/4	4.8	80.0
c	4.9	80.9
1/4	5.0	80.8
cb	5.0	80.8
S	5.1	80.7

E 1/4 329

S	4.7	80.7
cb	4.5	80.8
1/4	3.9	81.9
c	4.4	80.4
1/4	4.4	80.4
cb	4.0	81.8
N	3.9	81.9

8582

E cb

329

N	3.9	81.9
cb	3.6	82.2
1/4	4.1	81.7
c	4.0	81.8
1/4	3.7	82.1
cb	3.9	81.9
S	3.5	82.3

E line 329

S	3.8	82.0
cb	3.8	82.0
1/4	3.7	82.1
c	3.8	82.0
1/4	3.5	82.3
cb	3.4	82.4
N	3.4	82.4

8582
SW 32nd 4th K 369 82.13
3.81 8594 82.13
25'E of 32nd

Polime	4.1	81.8
Ch	3.3	82.6
"	3.8	82.1
C	3.9	82.0
"	3.6	82.3
Ch	3.5	82.4
No line	3.3	82.6

50'E

No line	3.1	82.8
Ch	3.6	82.3
"	3.8	82.1
C	3.9	82.0
"	4.3	81.6
Ch	4.5	81.4
No line	4.7	81.2

82.13
82.13
82.13

75'E 32nd

Polime	4.4	81.5
Ch	4.3	81.6
"	3.8	82.1
C	3.6	82.3
"	3.7	82.2
Ch	3.5	82.4
No line	3.1	82.8

100'E

No line	3.1	82.8
Ch	3.5	82.4
"	3.7	82.2
C	3.8	82.1
"	4.1	81.8
Ch	4.3	81.6
No line	4.4	81.5

85.94

125'E 32nd

No line	4.0	81.9
Cl	4.2	81.7
14	4.2	81.7
C	4.1	81.8
14	3.9	82.0
Cl	3.7	82.2
No line	3.5	82.4

150'E

No line	3.7	82.2
A	3.8	82.1
4	3.7	82.2
C	3.8	82.1
14	3.9	82.0
Cl	4.0	81.9
No line	4.1	81.8

77

175'E

No line	4.8	81.1
Cl	4.5	81.4
14	4.3	81.6
C	4.2	81.7
14	3.9	82.0
Cl	3.7	82.2
No line	3.6	82.3

200'E

No line	4.2	81.7
Cl	4.2	81.7
14	4.6	81.3
C	4.8	81.1
14	6.0	79.9
Cl	7.3	78.6
No line	8.6	77.3

225'E 3220

85.94

No line	12.9	73.0
Cl	12.1	73.8
1/4	10.6	75.3
C	8.8	77.1
1/4	6.9	79.0
Cl	5.4	80.5
No line	4.7	81.2

250'E

No line	6.9	79.0
Cl	8.3	77.6
1/4	10.5	75.4
C	12.7	73.2
T.P. 2.60	76.20	12.34
1/4	4.6	71.6
C	6.2	70.0
No line	7.6	68.6

275'E 3244

76.20

No line	11.3	64.9
Cl	9.9	66.3
1/4	8.6	67.6
Cl	6.9	69.6
1/4	4.6	71.6
Cl	2.9	73.3
No line	0.3	75.9

300'E

No line	5.1	71.1
Cl	7.5	68.7
1/4	9.8	66.8
C	11.8	64.4

325'E 32.44

No line	10.5	65.7
Cl	12.5	63.7
T.P. 0.44	63.72	12.92
		63.28

78

POSTED

79

300' E 32nd

6372

20 4 0.9 62.8

Cl. 2.3 61.4

no line 3.5 60.2

325' E 32nd W 33rd

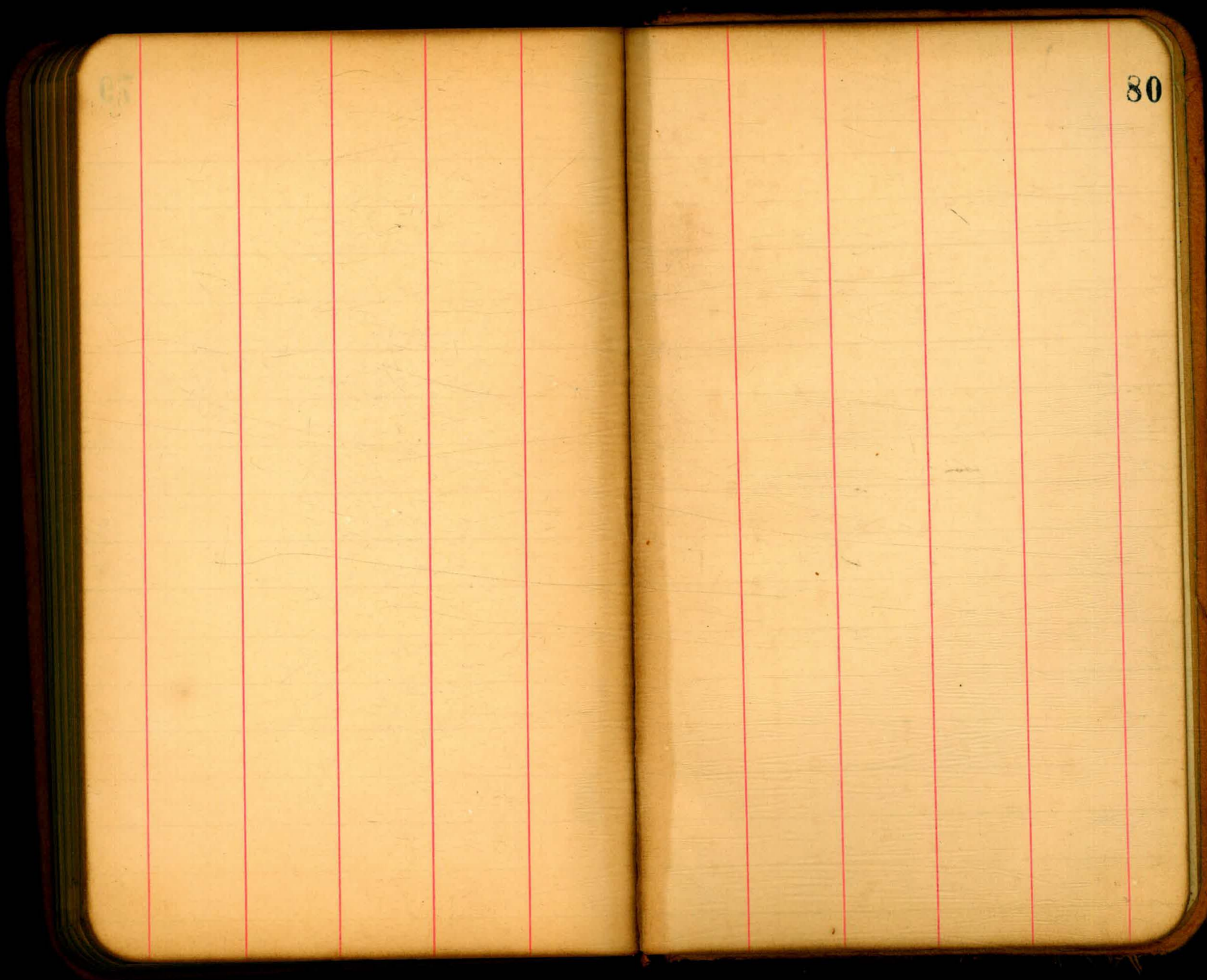
no line { 9.5 54.2
11.4 52.3

Cl 8.7 55.0

" 8.0 55.7

0 5.9 57.8

4 2.9 60.8



378' 32" - 378' 32" 249

Return to City Engineers Office
City Hall, San Diego, Cal.

Return to City Engineers Office
TRAVERSE TABLE FOR TRANSIT BOOK.
From 1° to 90° for a distance of 100.

Degrees.	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		Degrees.
	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	
0			100.00	0.44	100.00	0.87	99.99	1.31	89
1	99.98	1.75	99.98	2.18	99.97	2.62	99.95	3.05	88
2	99.94	3.49	99.92	3.93	99.91	4.36	99.88	4.80	87
3	99.86	5.23	99.84	5.67	99.81	6.10	99.79	6.54	86
4	99.76	6.98	99.73	7.41	99.69	7.85	99.66	8.28	85
5	99.62	8.72	99.58	9.15	99.54	9.58	99.50	10.02	84
6	99.45	10.45	99.41	10.89	99.36	11.32	99.31	11.75	83
7	99.25	12.19	99.20	12.62	99.14	13.05	99.09	13.49	82
8	99.03	13.92	98.97	14.35	98.90	14.78	98.84	15.21	81
9	98.77	15.64	98.70	16.07	98.63	16.50	98.56	16.93	80
10	98.48	17.36	98.40	17.79	98.33	18.22	98.25	18.65	79
11	98.16	19.08	98.08	19.51	97.99	19.94	97.90	20.36	78
12	97.81	20.79	97.72	21.22	97.63	21.64	97.53	22.07	77
13	97.44	22.50	97.34	22.92	97.24	23.34	97.13	23.77	76
14	97.03	24.19	96.92	24.62	96.81	25.04	96.70	25.46	75
15	96.59	25.88	96.48	26.30	96.36	26.72	96.25	27.14	74
16	96.13	27.56	96.00	27.98	95.88	28.40	95.76	28.82	73
17	95.63	29.24	95.50	29.65	95.37	30.07	95.24	30.49	72
18	95.11	30.90	94.97	31.32	94.83	31.73	94.69	32.14	71
19	94.55	32.56	94.41	32.97	94.26	33.38	94.12	33.79	70
20	93.97	34.20	93.82	34.61	93.67	35.02	93.51	35.43	69
21	93.36	35.84	93.20	36.24	93.04	36.65	92.88	37.06	68
22	92.72	37.46	92.55	37.66	92.39	38.27	92.22	38.67	67
23	92.05	39.07	91.88	39.47	91.71	39.87	91.53	40.27	66
24	91.35	40.67	91.18	41.07	91.00	41.47	90.81	41.87	65
25	90.63	42.26	90.45	42.66	90.26	43.05	90.07	43.44	64
26	89.88	43.84	89.69	44.23	89.49	44.62	89.30	45.01	63
27	89.10	45.40	88.90	45.79	88.70	46.17	88.50	46.56	62
28	88.29	46.95	88.09	47.33	87.88	47.72	87.67	48.10	61
29	87.46	48.48	87.25	48.86	87.04	49.24	86.82	49.62	60
30	86.60	50.00	86.38	50.38	86.16	50.75	85.94	51.13	59
31	85.72	51.50	85.49	51.88	85.26	52.25	85.04	52.62	58
32	84.80	52.99	84.57	53.36	84.34	53.73	84.10	54.10	57
33	83.87	54.46	83.63	54.83	83.39	55.19	83.15	55.56	56
34	82.90	55.92	82.66	56.28	82.41	56.64	82.16	57.00	55
35	81.92	57.36	81.66	57.71	81.41	58.07	81.16	58.42	54
36	80.90	58.78	80.64	59.13	80.39	59.48	80.13	59.83	53
37	79.86	60.18	79.60	60.53	79.34	60.88	79.07	61.22	52
38	78.80	61.57	78.53	61.91	78.26	62.25	77.99	62.59	51
39	77.71	62.93	77.44	63.27	77.16	63.61	76.88	63.94	50
40	76.60	64.28	76.32	64.61	76.04	64.94	75.76	65.28	49
41	75.47	65.61	75.18	65.93	74.90	66.26	74.61	66.59	48
42	74.31	66.91	74.02	67.24	73.73	67.56	73.43	67.88	47
43	73.14	68.20	72.84	68.52	72.54	68.84	72.24	69.15	46
44	71.93	69.47	71.63	69.78	71.33	70.09	71.02	70.40	45
45	70.71	70.71							
Degrees.	DEGREES.		¾ DEGREE.		½ DEGREE.		¼ DEGREE.		Degrees.
	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	

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