

FLUME LINE. Barrett - Dulzuna.

11

333

TRANSIT

W10

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

MICROFILMED

MINUTES	LKS.	MINUTES	LKS.	MINUTES	LKS.
1	1 2/3	1965	49	41	95 2/3
2	4 2/3		51 1/3	42	98
3	7		53 2/3	43	100 1/3
4	9 1/3		56	44	102 2/3
5	11 2/3		58 1/3	45	105
6	14		60 2/3	46	107 1/3
7	16 1/3		63	47	109 2/3
8	18 2/3		65 1/3	48	112
9	21		67 2/3	49	114 1/3
10	23 1/3		70	50	116 2/3
11	25 2/3		72 1/3	51	119
12	28		74 2/3	52	121 1/3
13	30 1/3		77	53	123 2/3
14	32 2/3		79 1/3	54	126
15	35		81 2/3	55	128 1/3
16	37 1/3		84	56	130 2/3
17	39 2/3		86 1/3	57	133
18	42		88 2/3	58	135 1/3
19	44 1/3		91	59	137 2/3
20	46 2/3		93 1/3	60	140

TABLE FOR RUNNING ON SLOPES.

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

FROM
LORING'S BOOK STORE
SAN DIEGO, CAL.

Index=

Page

Slopes on located flume line -
Barretts toward Dulzura

1-14

Check levels over located flume
line - Barrett dam toward
Dulzura Pass - from Sta 0 to
Sta 100

15-20

1
 Slopes on Great Plains line
 Burnett's towards Dulzura

Nov 13th 1906.

- LE RE +

0		00	
+12		00	
+30		22° 22'	low rock
+60		30° 30'	solid "
+80		30°	" "
1	15°	15°/8	" "
+20		30°	" "
+40		30°	" "
+60		43°	low "
+80		24°	earth
2		26°	" "
+20		24°	" "
+40		60°/2	low "
+60		32°	" "
+80		32°	" "
3		26°	" "
+20		23°	earth
+40	32°	00°/3 90°/1	boulder
+60	40°	00°/5 90°/3	"
+80		22°	water way

13+20		30°	earth
+45		12°	"
+65		150° 30/3	"
+80		25°	low rock
14		36°	earth
+25		30°	"
+45		25°	"
+65		35° 70/7	Boulder
+80		35°	earth
15		28°	small boulders
+20	21°/10	48°/10	large boulder
+40	46°/6	36°/10	boulders
+60	31°		low rock + earth
+80	48°		boulders
16			beginning of bluff
+10	45°/8	90°/6	48°/10
			90°/15
	From 16+10 to 16+90	Perpendicular	
+90	30°/15	then Perpendicular	ROCK
17+20	29°/20	"	"
+40	33°/30	"	"

Nov 14th

17+50	38°/20	80°	
	but 17+50 + 18+30	47°/25	
18+30	42°/12		
	Perpendicular at.		
18+80	46°/8	36°/20	
19	41°		low rock
+20	0°		Earth + Rock
+40	0°		
			10 x 15 x 25
19+60	37°		Earth
19+80	28°		"
20+00	26°		"
+20	24°		"
+40	32°		"
+60	35°		" mid rock
+80	34°/2	45°	"
21	30°		Rock
+20	30°		"
+40	42°		"

21+60	50° 10	70° 20	Rock
+80	40° 15	70° 10	"
22		Wash.	
+20	46°		"
+40	33°		Earth + Rock
+60	37°		" "
+80	32°		Earth
23	33°		"
+20	38°		Boulders
+40	50°		" "
+60	30°		Earth + boulders
+80	22°		" "
24	38°		Loose Rock
+20	36°		" "
+40	32°		" "
+60	28°		Earth + Rock
+80	23°		" "
25	20°		" "
+20	17°		" "
+40	23°		" "
+60	28°		" "

25+80	28°	Earth + Rock
26	29°	" "
+20	37°	" "
+40	36°	" "
+60	38°	" "
+82	Curves for 14' then 26°	" "
27+05	80°	Rock
+20	30° 2' then 90° for 10' 30°	"
+40	50° 3' then 36°	Earth + Rock
+60	27°	Loose rocks
+80	40°	Rock
28	25°	"
+20	36°	"
+20	30° 8' 50°	"
+80	47°	"
29	47°	"
+20	47°	"
+40	36°	" Impure & lower than grade
+60	30°	"
+80	42°	"
30	48°	"

Nov. 15, 1906

30+20	48°	Rock
+40	46°	"
+60	32°	"
+80	47°/5' - 20°	"
31	36°	Earth + "
+20	50°/6 0°/20	"
+40	43°	Rock
+60	40°	"
+80	26°	Earth + Rock
32	12°	Water way
+20	22°	Lower rock
+40	27°	" "
+60	26°	Earth + "
+80	22°	Earth
33	32°	"
+20	30°	"
+40	31°	"
+60	32°	"
+80	27°	"
34	31°	"

34+20	36°	Earth + Rock
+40	38°	" "
+60	31°	" "
+80	23°	Earth
35	32°	"
+20	27°	"
+40	43°	Rock
+60	41°	"
+80	34°	"
36	37°	"
+20	40°	"
+40	42°	"
+60	41°	"
+80	28°/15 the paper.	"
37	22°/20'	" "
+20	29°/10'	" " for 40'
+39	edge of Paper. Bluff 50' lower to bench	
tot.	27+20 and 38+20 Slope is 58°	
38 +20	36°	Lower Rock
+40	33°	"

38+60	34°	Loose Rock
+80	45°	" "
39	10° 12'	thru perpendicular, for 20' Rock
+20	53° 10'	50° 10'
+40	50° 8'	36°
+60	42° 10'	60° 15'
+80	80° 3'	40° 20'
40	44°	Earth + Rock
+25	37°	Loose "
+40	38°	" "
+60	36°	" "
+80	37°	" "
41	36°	Earth.
+20	28°	"
+40	25°	"
+60	30°	" + Rock
+80	42°	Rock
42	31°	Earth + Rock
+26		Water Course
+40	30°	" "

44+60	24°	Earth + Rock
+80	18°	" "
43	30°	" "
+20	34°	" "
+40	30°	Loose Rock
+60	42°	" "
+80	46°	Rock
44	36°	Earth
+20	40°	" + Rock
+40	36°	Earth "
+80	26°	" "
45+10	31°	8 thru perpendicular, for 25' - Rock -
+40		5' lower than grade than 38°
+60		Water way larger boulders
+70	0°	for 1' thru perpendicular, for 30'
46	36°	Earth and rock
+20	39°	" "
+40	50° 10'	36°
+60	36°	" "
+80	44°	Loose Rock

47	30°/4	50°	Rock
+20		45°	"
+40	20°/10	45°	"
+60	20°/10	40°	"
+80	38°		"
48	45°		"
+20	54°		"
+40	20°		Earth
+60	24°		"
+80	28°		"
49	23°		"
+20	26°		"
+40	30°		"
+60	28°		"
+80	29°		"
50	31°		"
+20	36°		"
+40	30°		"
+60	26°		"
+80	25°		"

51	32°	Earth
+20	32°	"
+40	30°	"
+60	28°	"
+80	27°	"
52	33°	"
+20	33°	"
+40	43°	" + Rock
+60	31°	"
+80	30°	"
53	34°	"
+20	34°	"
+40	36°	"
+60	36°	"
+80	41°	"
54	40°	"
+20	34°	"
+40	35°	"
+60	35°	"
+80	37°	Earth

November 16, 1906

55	34°	Earth	59+00	42°	Loose rock
+20	36°	" + Rock	+20	40°	" "
+40	42°	" "	+40	41°	" "
+60	48°	Loose	+65		
+80	48°	" "	+75	42°	then 0° for 20'
56	34°	Earth +		Wash. boulders.	
+20	48°	" "	60+00	45°	Earth + rock
+40	34°	" "	+20	42°	" "
+60	41°	" "	+40	36°	" "
+80	34°	" "	+60	37°	" "
57	41°	" "	+80	36°	" "
+20	40°	" "	61	31°	" "
+40	38°	" "	+20	42°	" "
+60	40°	" "	+40	37°	" "
+80	36°	" "	+60	35°	" "
58	50°	Rock.	+80	40°	" "
+20	38°	Earth & Rock	62	41°	" "
+40	42°	" "	+20	70°/8'	30°
+60	42°	" "	+40	40°	" "
+80	Perpendic for 10' then 42°	" "	+60	48°	Rock
			+80	44°	Earth + Rock

63+00	35°	Earth
+20	34°	"
+40	33°	" + Rock
+60	Perpendicular for 8' then 50°	
+80	45°	Rock
64	31°	Earth + " =
+20	24°	"
+40	22°	"
+60	20°	"
+80	34°	" + Rock
65	40°	Rock
+20	30°	Earth + Rock
+40	26°	" "
+60	40°	" "
+80	40°	" "
66	45°	" "
+20	90° for 6' then 45°	
+40	46°	Rock
67	47°	" + Earth
+30	31°	" "

67+75	50°	Rock
68	70°	"
+20	48°	" + Earth
+40	43°	" "
+60	52°	Earth
+80	34°	"
69	35°	"
+20	32°	"
+40	27°	"
+60	40°	"
+80	38°	"
70	30°	Point of Rock
+20	44°	"
+40	38°	"
+60	40°	"
+80	28°	"
71+00	10°	Lower Rock
+20	Cut thro. flat lower boulders	
72+20	32°	Earth + Rock.
+40	34°	"

November 17, 1906.

72+60	45°	Earth + Rock	
+ 80	43°	Rock	
73	50°	"	
+ 20	46°	"	
+ 40	38°	" + Earth	
+ 60	36°	"	
+ 80	40°	"	
74	39°	"	
+ 20	36°	"	
+ 40	37°	Earth + Rock	
+ 60	31°	"	
+ 80	35°	"	
75	34°	"	
+ 20	33°	"	Cut down
+ 40	31	"	
+ 60	34°	"	5' below grade
+ 70	48°	Rock Ledge	
76	50°	"	
+ 20	38°	Earth + Rock	
+ 40	38°	"	

76+60	28°		Earth	80+60	50°		Rock
+80	32°		"	+80	40°		"
77+00	47°		" + Rock	81	50°		"
+20	46°		Rock ledge	+20	36°		Earth + "
+40	28°/6' 45°		" "	+40	42°		" "
+60	26°		Earth + Rock	+60	36°		"
+80	32°		Earth	+80	40°		" + Rock
78	36°		" + Rock	82	40°		" "
+20	33°		" "	+20	42°		" "
+40	42°		" "	+40	30°		" "
+60	32°		" "	+60	30°		" "
+80	32°		" "	+80	32°		" "
79	60°/10' 26°		Rock	83	32°		" "
+30	60°/8' 33°		"	+20	30°		" "
+60	26°		"	+40	26°		"
+80	56°		"	+60	38°		"
80	60°		"	+80	43°		" + Rock
+20	42°		" + Earth	84	28°		" "
+40	90°/6' 36°		" "	+20	27°		" "

84+40	27°	Earth & rock
+ 60	28°	" "
+ 80	24°	" "
85	32°	" "
+ 20	Carpenter's foot 6' / 30°	
+ 40	30°	Earth + Rock
+ 60	32°	" "
+ 80	50°	" "
+ 93	Water Course 12' below grade. 30°	
86+20	32°	Earth & Rock
+ 40	26°	"
+ 60	24°	"
+ 80	26°	"
87	30°	"
+ 20	29°	"
+ 40	28°	"
+ 70	24°	Loose Rock
+ 80	23°	" " joint
88+14	24°	Wash
+ 20	56°	Loose Rock

88+60	60°	Rock (Seam'y)
+80	58°	" "
89	48°	" "
+20	48°	Earth + Rock
+40	43°	" "
+60	50°	" "
+80	40°	" "
90+10	42°	" "
+40	32° 8' thru 45°	" "
+60	30°	Earth
+80	34°	"
91	32°	"
+20	40°	" + Rock
+40	32°	" "
+60	37°	" "
+80	35°	" "
92	31°	" "
+20	36°	" "
+40	40°	" "
+60	38°	" "

92+80	42°	Earth + Rock
93	+30	" "
+20	46°	Loam "
+40	24°	for 15' then 46°
+60	40°	Earth + Rock
+80	36°	" "
94+20	34°	" "
+40	52°	" "
+60	34°	" "
+80	36°	" "
95	34°	" "
+20	38°	" "
+40	34°	" "
+60	45°	" "
+80	45°	" "
96	60°	Rock
+20	40°	Hard s. H. below grade 40° Rock
+40	60°/10' 36°	" "
+60	Perpendicular for 25' then 30°	" "
+80	" " 15 " 32°	" "

November 19, 1906.

97+00 ^{10.12}	40°	Earth + Rock
+20	36°	" "
+40	38°	" "
+60	36	" "
+80	Perpendicular for 3' then 40°	Earth + Rock
98+00 ^{10.12}	not set.	
+05	Wash.	98+05 = 96+48° of Eaton's line at Hg. of Tunnel.
+30	32°	Earth + Rock
+60	31°	" "
+80	36°	" "
99+00 ^{10.12}	36°	" "
+20	50°	" "
+40	42°	" "
+60	38°	" "
+80	40°	" "
100+00 ^{10.12}	36°	" "
+20		

Check Levels over located
Kulzura Pass from Sta. 0 to

B.M. 1			1528.715	
	2.310	1531.025		
2+80			7.09	1523.14
T.P.			6.223	1524.802
	8.088	1532.890		
4+80			9.14	1523.70
B.M. 2			4.830	1528.060
	3.125	1531.185		
T.P.			8.514	1522.671
	0.888	1523.559		
T.P.			8.378	1515.181
	0.510	1515.691		
			11.941	1503.750
	8.369	1523.549		
T.P.			3.920	1519.629
	10.832	1530.461		
12+00			7.35	1523.11
+20			7.37	1523.09
+40			7.39	1523.07
T.P.			7.165	1523.296
	9.596	1532.892		

flume line, Barrett Dam towards
Sta. 100.

Leveler
Rodman

R. Wheeler
Ed. Schuman.

Cont. Mar. 21-23, 07

diff.

1522.92

1523.72

In location No. 1 1528.069

B.M. 3 located over

1523.00

22.98

22.96

T.P.	1532.892	2.898	1529.994
B.M. 4	0.260 1530.254	11.636	1518.618
T.P.		0.260	1529.994
T.P.	12.720 1542.714	1.704	1541.010
T.P.	12.966 1553.976	14.10	1552.866
T.P.	12.906 1565.472	14.86	1563.986
T.P.	11.040 1575.026	0.435	1574.591
T.P.	9.552 1584.143	9.760	1574.383
T.P.	2.524 1576.907	11.293	1565.614
T.P.	2.650 1568.264	11.434	1556.830
T.P.	0.375 1557.205		

In location no. 1. 1518.629

		1557.205		
T.P.			10.565	1546.640
	1.070	1547.710		
T.P.			11.238	1536.472
	0.478	1536.950		
B.M. 5			9.510	1527.440
	1.483	1528.923		
20+40			6.75	1522.17
T.P.			2.614	1526.309
	4.320	1530.629		
B.M. 6			4.320	1526.309
	9.600	1535.909		
T.P.			9.065	1526.844
	4.543	1531.387		
B.M. 7			11.920	1519.467
	9.158	1528.625		
33+50			7.76	1520.87
T.P.			7.910	1520.715
	11.995	1532.710		
B.M. 8			7.500	1525.210

In location #1 1527.437

In location #1 1522.16

In location #1 1526.297

In location #1 1519.454

" " 1520.92

" " 1525.173

		1557.205		
T.P.			10.565	1546.640
	1.070	1547.710		
T.P.			11.238	1526.472
	0.478	1526.950		
B.M. 5			9.510	1527.440
	1.483	1528.923		
20+40			6.75	1522.17
T.P.			2.614	1526.309
	4.320	1530.629		
B.M. 6			4.320	1526.309
	9.600	1535.909		
T.P.			9.065	1526.844
	4.543	1531.387		
B.M. 7			11.920	1519.467
	9.158	1528.625		
33+50			7.76	1520.87
T.P.			7.910	1520.715
	11.995	1532.710		
B.M. 8			7.500	1525.210

In location # 1 1527.437

In location # 1 1522.16

In location # 1 1526.297

In location # 1 1519.454

" " 1520.82

" " 1525.173

B.M. 8			1525.210
	6.258	1531.168	
T.P.			10.281 1521.187
	3.732	1524.919	
T.P.			4.545 1520.374
	2.262	1522.636	
B.M. 9			8.834 1513.802
41+40			2.53 1520.11
T.P.			3.060 1515.576
	7.282	1526.958	
B.M. 10			1.326 1525.32
46+80			7.30 1519.56
T.P.			7.368 1519.490
	10.370	1529.860	
50+60			10.675 1519.85
B.M. 11			2.658 1527.202
T.P.	11.250	1538.452	
B.M. 12			12.510 1525.942
T.P.			8.928 1529.524
	8.799	1538.323	
B.M. 13			8.701 1529.622

In location " 1 1513.756
 " " " 1520.06
 " " " 1525.495
 " " " 1519.52
 " " " 1519.14
 " " " 1527.156
 " " " 1525.903
 artificial point
 " " " 1529.529

		1538.323		
T.P.			3.534	1534.789
	3.020	1537.809		
T.P.			9.456	1528.353
	1.362	1529.715		
B.M. 14			5.876	1523.839
66+00			12.01	1517.71
67+00			12.06	1517.66
69+00			12.29	1517.43
T.P.			12.123	1517.582
	5.024	1522.606		
69+00			5.18	1517.43
T.P.			11.115	1511.491
	11.665	1523.156		
T.P.			1.426	1521.730
	9.830	1531.560		
B.M. 15			9.409	1522.151
B.M. 16			7.640	1523.920
	7.597	1531.517		
T.P.			7.012	1524.505
	2.693	1527.193		

300 yds.

30 yds

10 yds

In location # 1523.700

" " 1517.60

" " 1517.50

" " 1517.30

" " 1517.30

" " 1522.007

" " 1523.761

		1527.98		
T.P.			10.601	1516.597
	9.818	1526.415		
B.M. 17			24.05	1524.010
	9.021	1533.031		
T.P.			11.995	1521.036
	1.070	1522.106		
B.M. 18			1.690	1520.416
	1.520	1521.936		
84+60			6.015	1515.920
T.P.			4.013	1517.923
	1.966	1519.589		
86+20			4.15	1515.73
B.M. 19			1.703	1518.186
	2.340	1520.526		
T.P.			7.454	1513.072
	8.919	1521.991		
B.M. 20			5.930	1516.061
	11.479	1527.540		
B.M. 21			5.959	1521.581

52.78

in location # 1523.842

" 1520.247

" 1515.

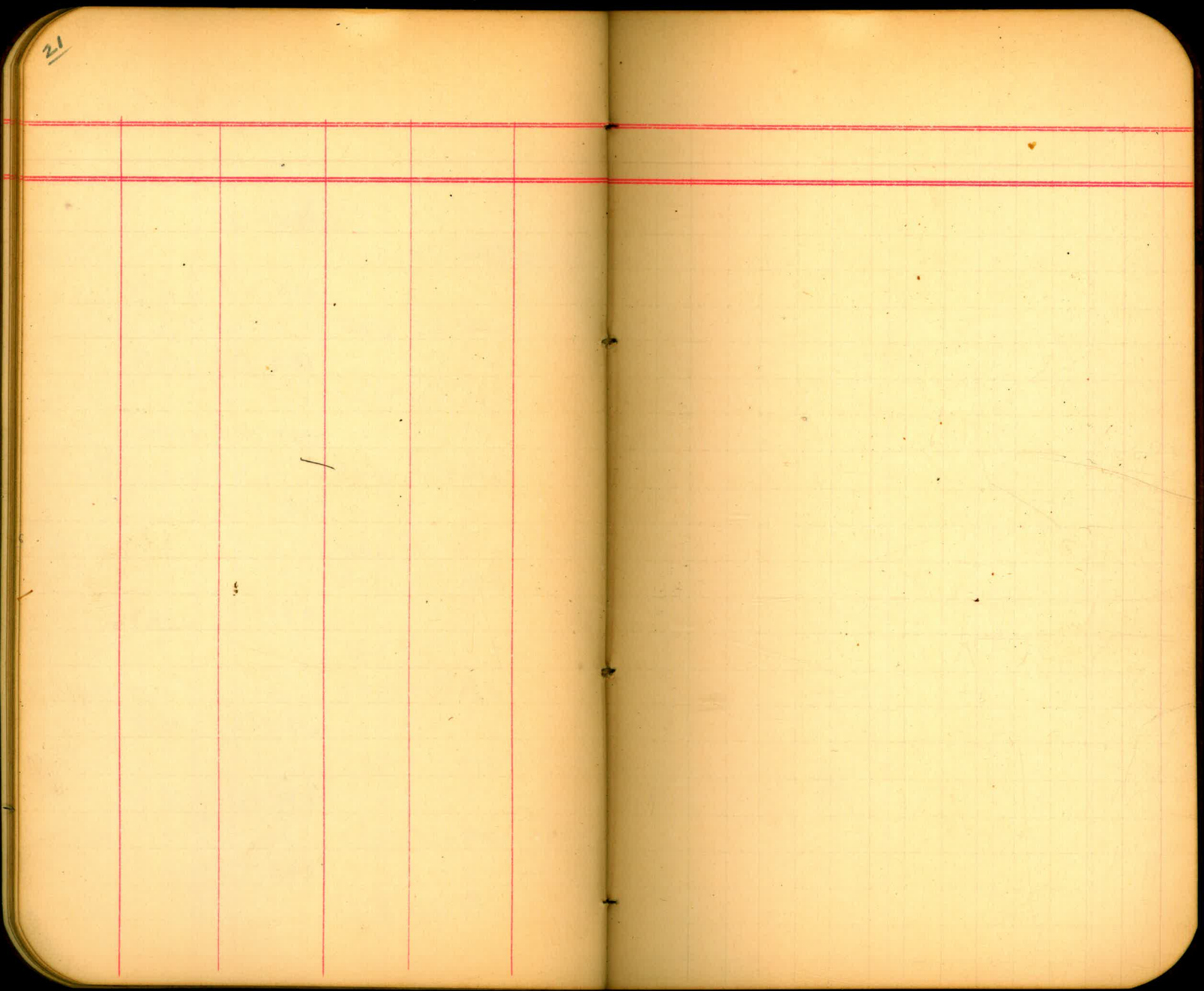
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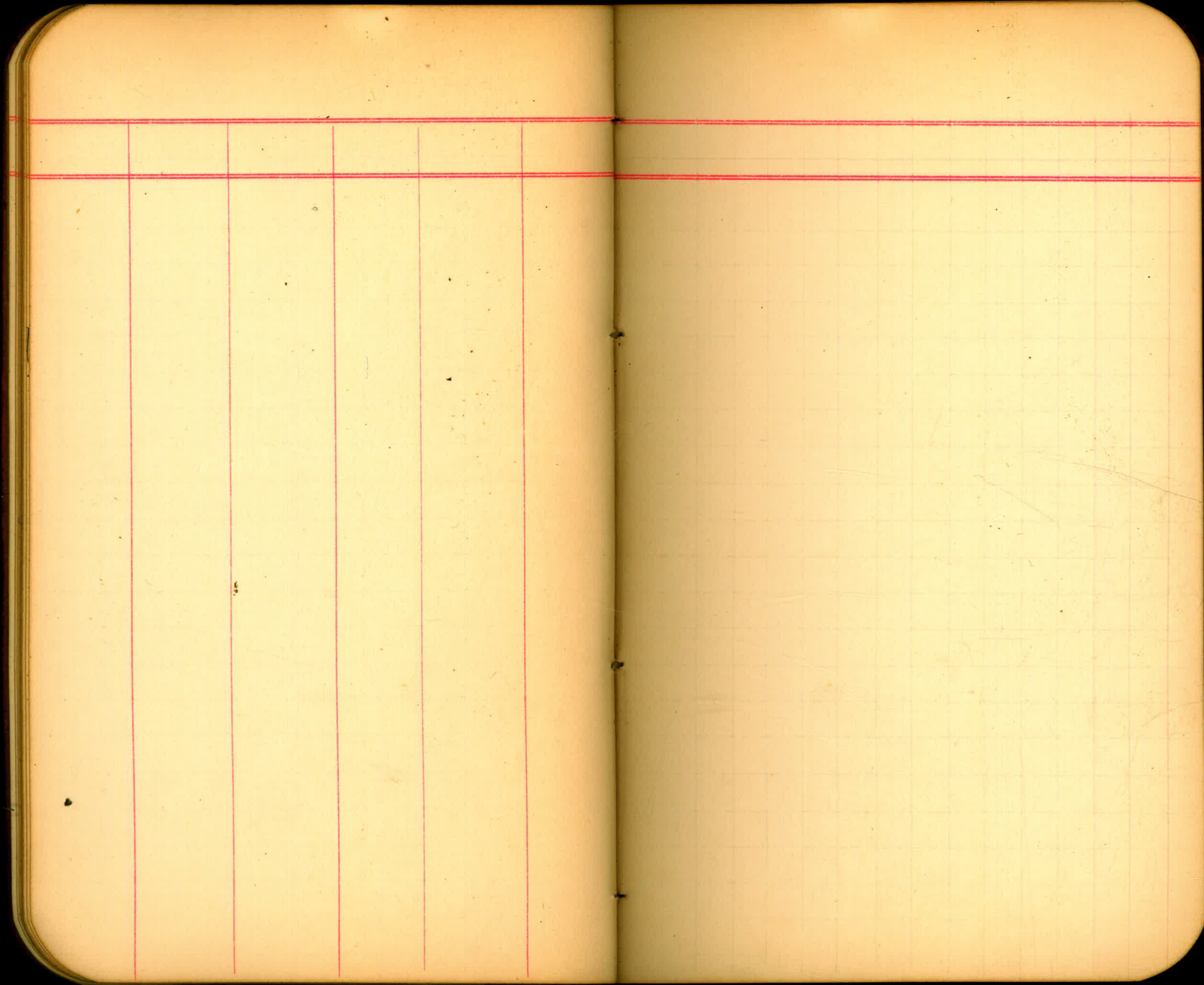
" 1515.882

" 1521.394

0.177

21





1 0 5.707
2 0 5.086
.621

5.418
621
4.797

5.416
621
4.795

4.997
621
4.418

13
5.419
621
4.798

4.807
4.797

.010
.005

4.797
4.802

621
5.423

4.825
4.798
.027

13
4.798

4.811
621

5.432

4 - 1518.604
 5 - 27.423 2.7
 6 - 26.307 26.331 21.429 18.11
 7 - 19.494 26.277 12.512
 9 - 13.776 5.718 18.617
 10 - 25.500
 11 - 27.092
 12 - 25.852 1528.069 6.08
 13 - 29.492 +0.26 3.64 6.224 6.00
 14 - 23.690 2.401 4.234
 15 - 22.043 2.149
 16 - 23.830 -0.06 3.518 0.059 0.36
 17 - 23.868 2.3
 18 20.310 5.416 17+50
 19 18.108 7.224 80
 T.P. 12.546 3.626 18+30

 1526.297
 2087
 28.582
 8.930
 19.424
 821.6
 406.1
 8.296
 20777
 186.9
 1.124
 8.228
 5.140
 2.020
 2.820
 18.628
 13776
 138.6

 1519.292
 13.776
 19.250
 6.718
 18.736
 4
 25.495
 27.156
 22.05
 0.64

 1520.900
 3.226
 29.279
 1026
 1524.292
 1519.220
 6.863
 6.813
 1.060
 1519.292
 1519.292
 0.040
 18

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	26.20	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	37.86	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	89.29	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	71.03	70.40	45
45	70.71	70.71							

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