

1020

380

FIELD

W. W. Quill

1906

Well # 9 = 87'

" # 8 = 58'

" # 10 = 60'

" # 11 = 60'

" # 12 = 90'

MICROFILMED
DEC 17 1964

1020

1916

New Wells in Mission Valley

Pipe Lines

Air Lines

Property Lines

New Wells in Mission Valley

Pipe Lines

Air Lines

Property Lines

29 44
19 55

Levels for Wells in Mission Valley

5-18-10

HUSTON
MAGUIRE

on Curb S.E. Madison & Texas Sts

B.M.	3.10	349.13		346.03
T.P.	2.625	44.605	7.15	41.98
T.P.	0.28	34.645	10.24	34.965
T.P.	0.96	25.865	9.74	24.905
T.P.	0.43	15.245	11.05	14.815
T.P.	0.63	305.515	10.36	304.885
T.P.	1.14	94.945	11.71	293.805
T.P.	0.69	84.48	11.85	83.79
T.P.	0.59	74.66	10.41	74.07
T.P.	0.82	64.19	11.29	63.37
T.P.	0.61	52.34	12.46	51.73
T.P.	1.08	40.53	12.87	39.47
T.P.	0.98	30.32	11.21	29.34
T.P.	0.57	20.74	10.15	20.17
T.P.	0.19	10.36	10.57	10.17
T.P.	0.40	199.48	11.28	199.08
T.P.	0.10	87.38	12.20	87.28
T.P.	0.78	76.59	11.57	75.81
T.P.	0.96	67.69	9.26	67.33
T.P.	0.52	56.54	11.67	56.02
T.P.	0.29	45.66	11.17	45.37
T.P.	0.09	35.38	10.57	35.29
T.P.	1.20	27.93	8.65	26.73
T.P.	1.13	20.20	8.86	19.07
T.P.	0.27	11.87	8.60	11.60
T.P.	-0.01	102.13	9.73	102.14

Nail in Telephone Pole

T.P.	003	92.47	9.69	92.44
T.P.	009	81.25	11.31	81.16
T.P.	078	71.69	10.34	70.91
T.P.	001	62.30	9.40	62.20
T.P.	058	53.52	9.36	52.94
T.P.	227	47.12	8.67	44.85
B.M.			2.12	45.00
T.P.	408	44.18	7.02	40.10
T.P.	392	42.46	5.64	38.54
T.P.	795	47.57	2.84	39.62
T.P.	407	48.93	2.71	44.96
T.P.	500	49.08	4.85	44.08
T.P.	837	55.42	12.03	47.05
T.P.	1027	64.65	1.04	54.38
T.P.	616	69.78	1.03	63.62
T.P.	017	59.22	10.73	59.05
B.M.	291	49.76	12.37	46.85
T.P.	046	44.72	5.50	44.26
T.P.	445	41.18	7.99	36.73
H.W.			5.57	35.61
B.M.			3.37	37.81
T.P.	326	40.59	3.85	37.33
B.M.	443	41.34	3.78	36.81
B.M.			3.97	37.27
	495	42.76		37.81
B.M.	494	43.15	4.55	38.21
B.M.			4.33	38.82

Wail in Elec. Power Pole S.E. Texas Grade
Mission Valley Road

top E. Door sill of Main Pump House R. side
S.E. cor. Main Sump or Knob

Water level in River opp Pump House 5-19-16 1-PTI.
Hub 85' N. of #10 well

Hub 30' N. of #11 well
Hub 80' " " #12 "

Hub 175' N. of #9 well
" 250' " " #8 "

Levels for wells in Mission Valley

	104	47.89		46.85
T.P.	3.47	43.79	7.57	40.37
B.M.	6.14	45.72	4.21	39.58
B.M.	5.73	46.30	4.15	40.57
B.M.	7.07	48.11	5.26	41.04
M.H.			1.38	46.83 46.92
B.M.	4.79	47.49	3.41	44.70
M.H.	0.80	49.79	0.50	48.99 48.83
B.M.			2.83	46.96
T.P.	4.92	51.35	3.36	46.43
B.M.			4.86	46.49
			5.0	46.4 45.94
T.P.	5.97	53.15	4.17	47.18
			4.8	48.4 49.31
T.P.	4.94	53.92	4.17	48.98
B.M.			3.44	50.48
			6.0	47.9 50.80
			12.7	41.3
			10.30	43.9 51.96
	2.96	49.92		46.96
			4.4	45.5 45.21

on floor of PUMP House

Hub 35' S.W. of 24"x24"x10" T. from main pipe
line to well #9

Hub 25' S.W. of Tee from main line to #8 Well

" 65' S.W. " #7 Well

Top M.H. opp #7 Well

Hub 40' NW #6 Well

Top M.H. W. of #5 Well

Nail in willow Tree 35' N. of well #5

Hub 75' SW #4 Well

Ground at " " "

" " #3 Well

Top M.H. well #2

Ground well #2

on floor " "

Ground #1 Well 1/2 of River 5-33-16 ^{10.50}

Ground #5 Well

old Ber.

#6 Well 486 49.54 4470

Ground 5.3 44.4 4370

" 6.9 43.7 4370

at old ILLA where RIVER PUMP WAS

#7 Well 487 45.91 4104

Ground 8.94 36.97 4239

Ele. of water 5-22-16 - 1130

4.50 45.07 4057

feet #8 line 9.68 35.39 3457

Top Pipe

5.5 39.6 405

Ground

Line-xing River to #10 Well

B.M.	117	48.02	46.85	Grade	6820	File of well 42.77		
0+00			4.82	43.20	43.00	PT. OF PIPLINE 89' E. OF WIER	1.2	
+25			6.00	42.02	43.025	F. 1005 - 10	1.4	
+50			0.04		43.05			
+75			11.09	36.93	43.075	6.145	6' 1 $\frac{3}{4}$ "	0.9
1+00			10.90	37.12	43.10	5.98	5' 11 $\frac{3}{4}$ "	1.5
1+25			10.58	37.44	43.125	5.685	5' 8 $\frac{5}{8}$ "	1.9
1+50			11.32	36.70	43.15	6.45	6' 5 $\frac{3}{8}$ "	1.1
1+75			11.25	36.77	43.175	6.405	6' 4 $\frac{7}{8}$ "	1.1
2+00	405	40.88	11.19	36.83	43.20	6.37	6' 4 $\frac{1}{2}$ "	1.5
2+25			4.59	36.29	43.225	6.935	6' 11 $\frac{1}{8}$ "	1.1
2+50			3.92	37.06	43.25	6.19	6' 2 $\frac{1}{4}$ "	1.8
2+75			8.52	37.36	43.275	5.915	5' 11"	1.6
3+00			4.53	36.35	43.30	6.95	6' 11 $\frac{3}{8}$ "	0.9
3+25			4.16	36.72	43.325	6.605	6' 6 $\frac{3}{8}$ "	0.9
3+50			4.05	36.83	43.35	6.52	6' 6 $\frac{1}{4}$ "	1.1
3+75			4.40	36.43	43.375	6.895	6' 10 $\frac{3}{4}$ "	1.7
4+00			3.27	37.41	43.40	5.79	5' 9 $\frac{1}{2}$ "	1.3
4+25			4.24	36.84	43.425	6.585	6' 7"	0.5
4+50			3.84	37.04	43.45	6.41	6' 4 $\frac{7}{8}$ "	0.6
4+75			3.12	37.76	43.475	5.715	5' 8 $\frac{1}{2}$ "	0.5
5+00			3.34	37.54	43.50	5.96	5' 11 $\frac{1}{2}$ "	0.5
5+25			2.54	38.34	43.525	5.195	5' 2 $\frac{1}{4}$ "	1.0
B.M. 410			3.09	37.79				

Grades for 20" Pipe line

BIT	100	47.93		46.85	L		
0+00			7.68	40.25	43.27	F3'02	
+50			11.01	36.92	43.33	FL.40	1.0
+75			10.70	37.14	43.345	FL.205	1.8
1-					43.37		
1+25	4.25	41.08	11.10	36.83	43.395	FL.565	1.2
1+50			3.63	37.45	43.42	F5.97	1.8
2+00			4.24	36.84	43.47	F6.61	1.2
2+50			3.82	37.46	43.52	F6.06	1.7
3+00			4.54	36.54	43.57	F7.03	0.7
3+50			4.20	36.88	43.62	FL.74	0.8
4+00			4.17	36.91	43.67	FL.74	0.9
			3.27	37.91			

Abandoned

Air Line to Wells
9A-9-10A-10-4-11A

$\Delta 86.50'$
1860

7+40' 9A 5'R

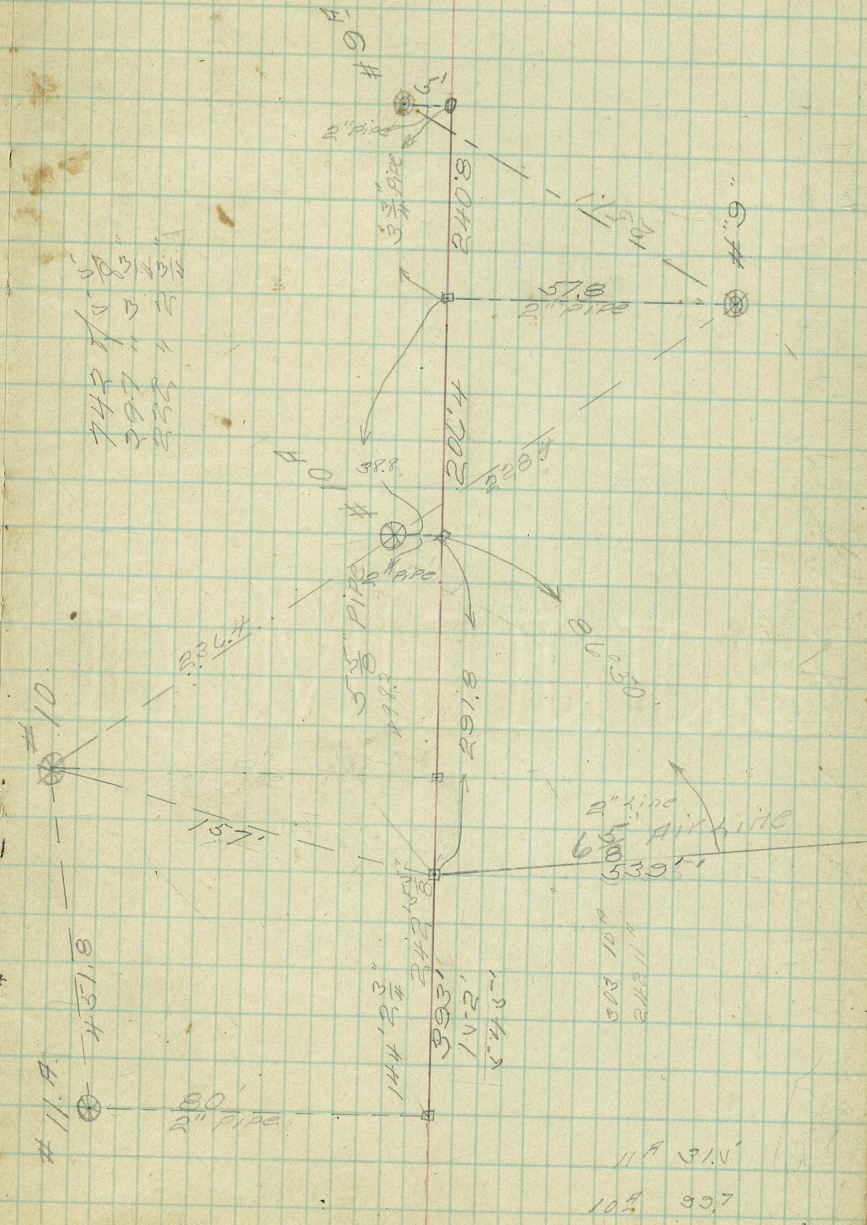
5+00' 9- 7L' L

2+88' 10A 4'R

58' 10' 38'R

0+00' Tee $\Delta 86.50'$ L

386' 11A 80R



742
393
355

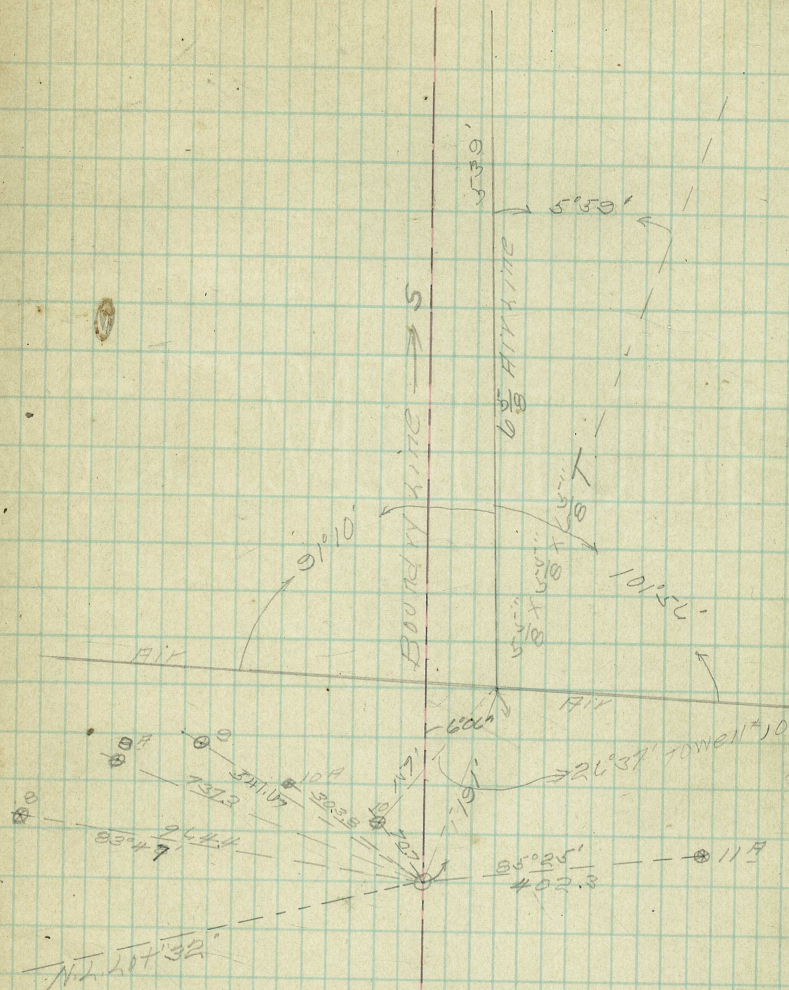
11A 31.5
10.2 997

LOCATION of Wells on PA 1109
 & EX MISSION LOT 32

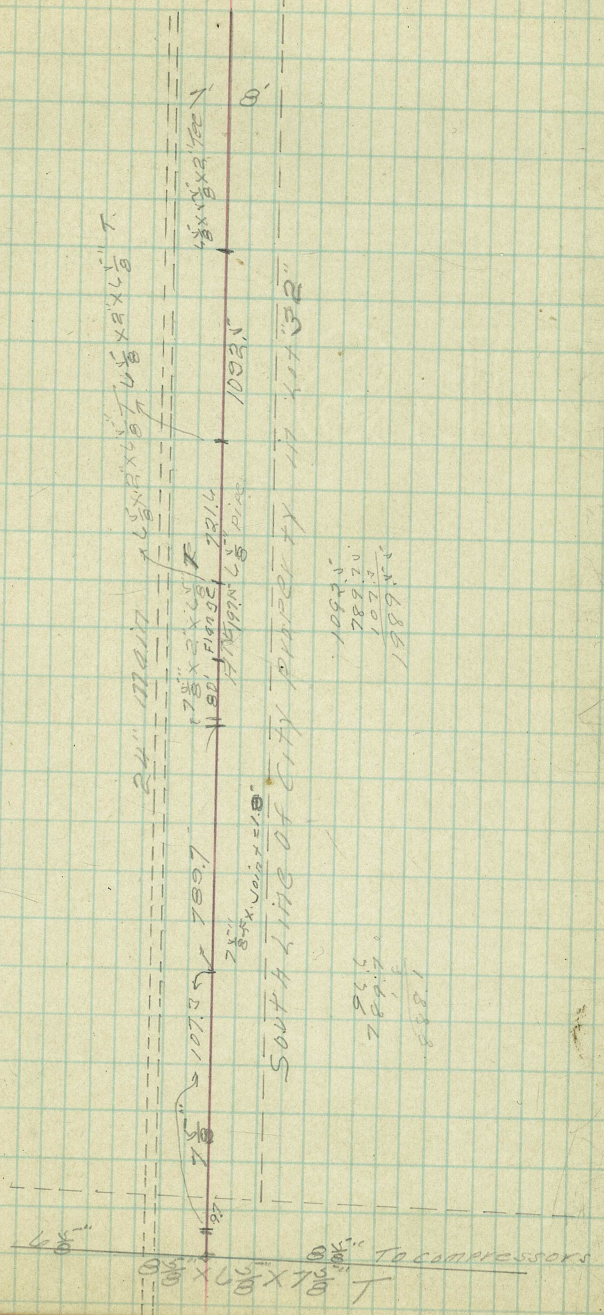
Angles & Dis taken from the
 N.W. cor of EX MISSION LOT 32 1240
 N27°45'N along Boundary from Angle
 Point on Boundary. 6x6" concrete M.H.

#8	83°48'	964.4
#8 A	76°34'	737.0
#9	63°30'	541.6
#9 A	67°15'	303.8
#11 A	85°25'	
#10	45°30'	707
T	6°06'	191
0.700		

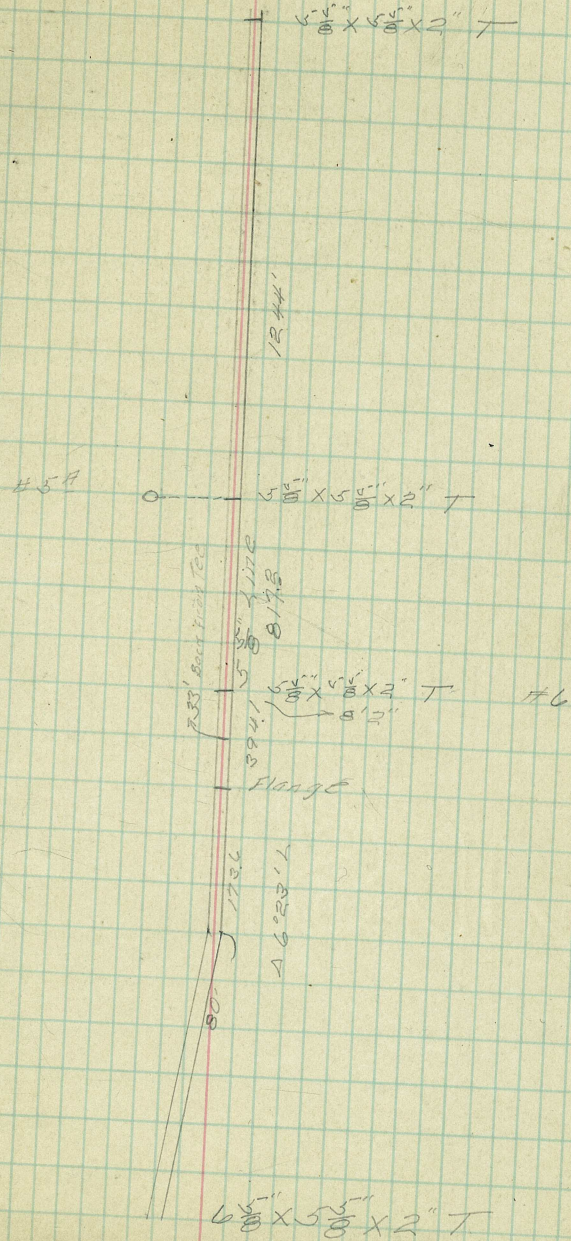
T-to-6 5/8" Airline 5°59'



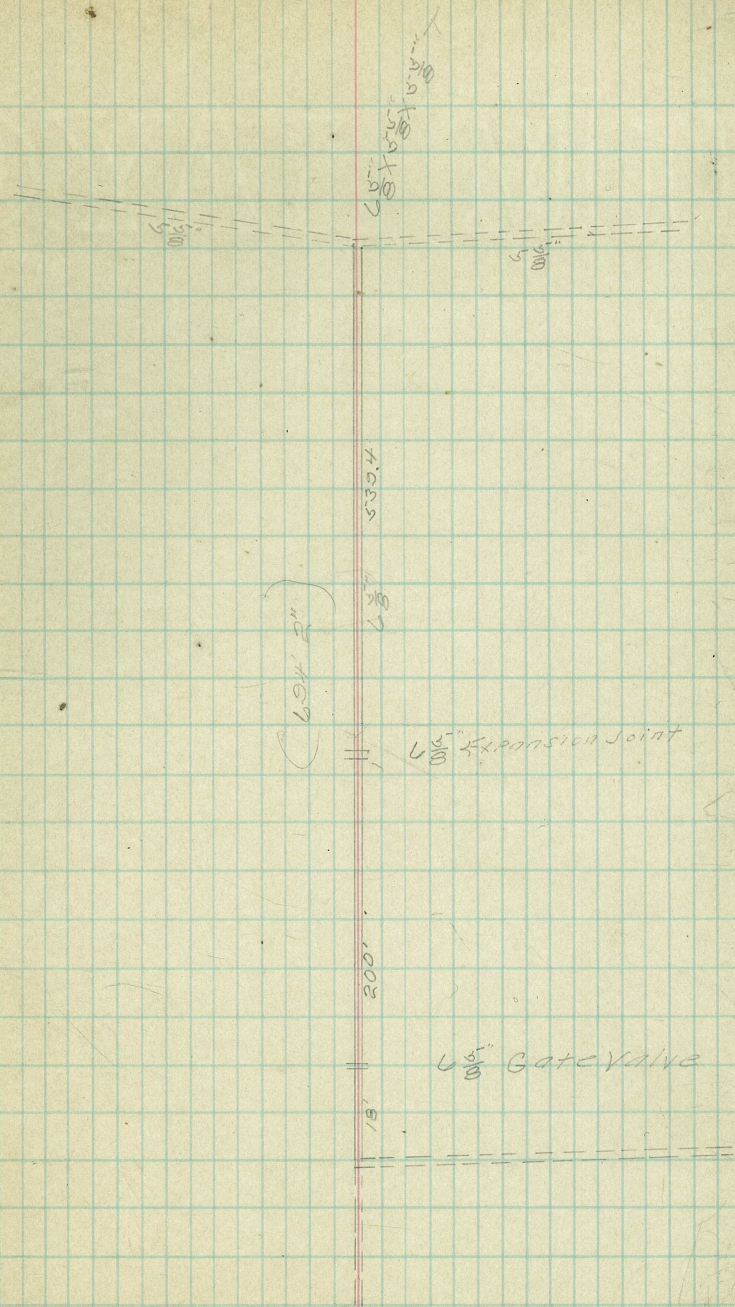
Air line
Main line going East



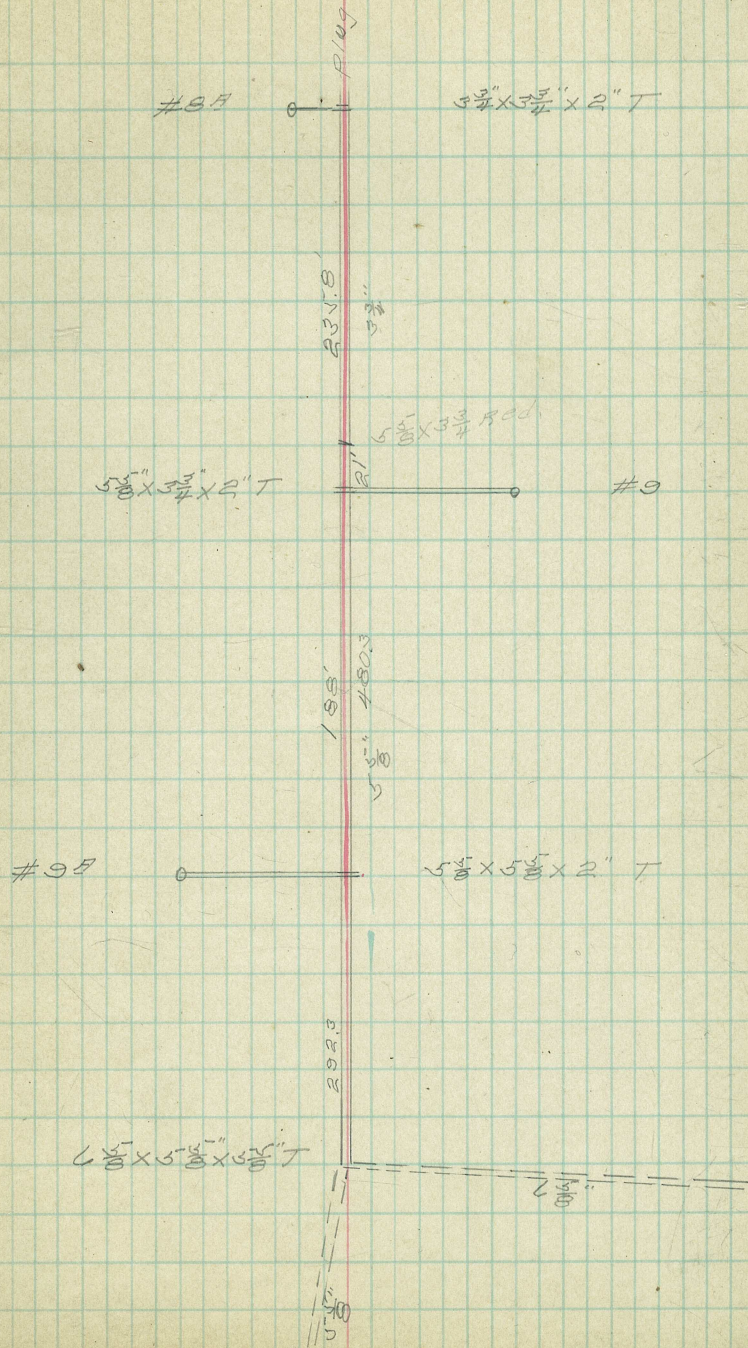
Main Air line Going East



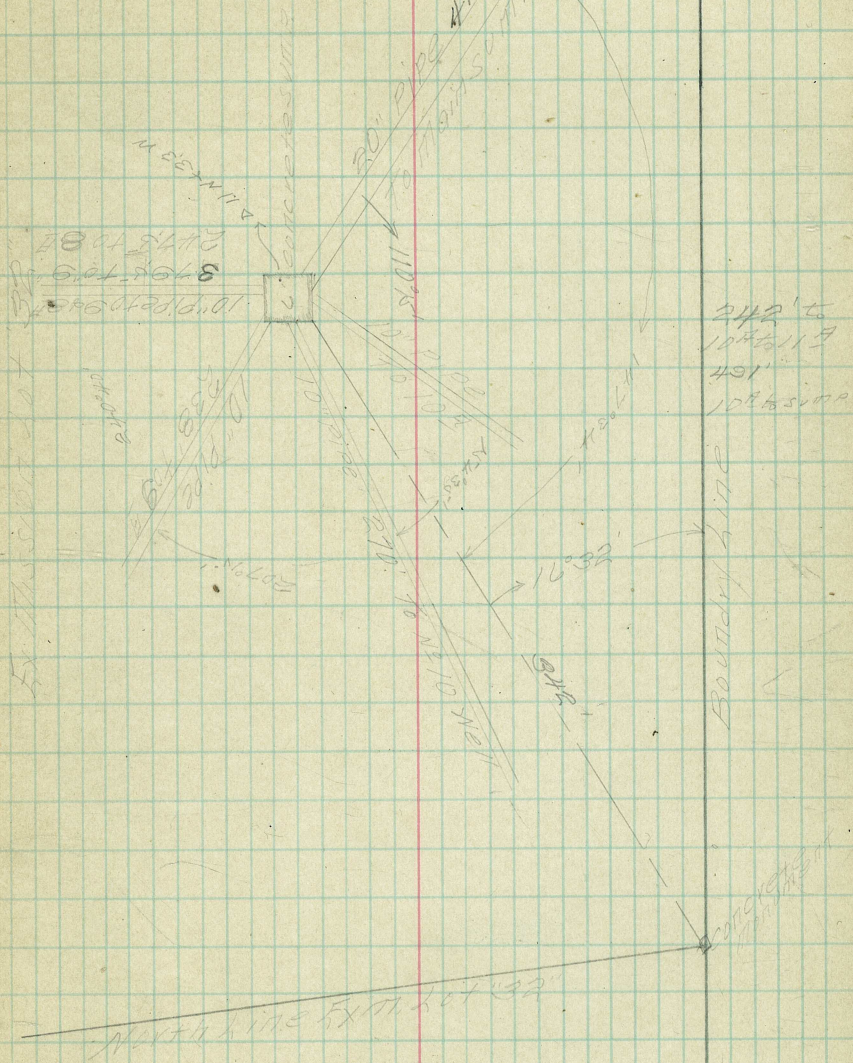
High Line X-100 River



Line East to Wells
98-9+89



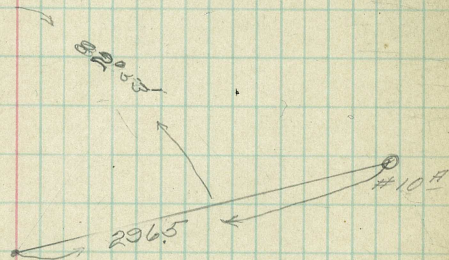
LOCATION OF SUMP & PIPE LINES
N. OF RIVER



Well #10A
Location

N.W. COR LOT 32

AS23R

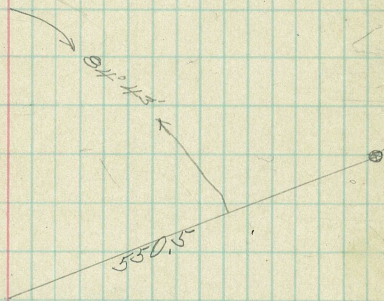


Well # 11 A

Location

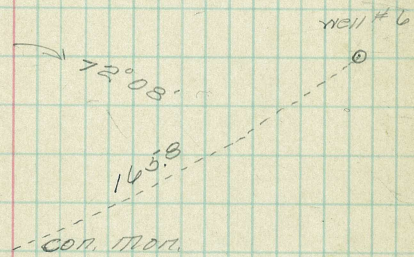
N.W. 32

84° 43' R



Well #6
- location.

11107. S.E. COR. OF CITY PROP. IN LOT 32.



Well # 7^B

Location

248 from S-P. 4

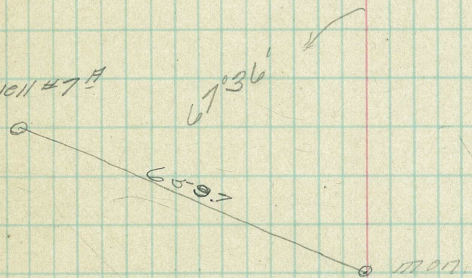
Well # 7^B

67.36'

659.7

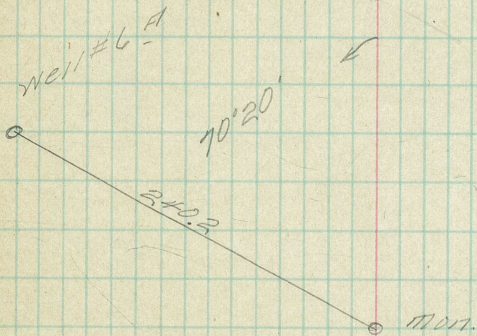
17017

CON, 17017 S-E COR C-Plot '32'



Well #6^H

Location



Co. M.D. S-FCOR. C.P. in 1'32"

BOUNDARY LINE GOING NORTH

1240.8° City's + OHRES line

N28°03'W

609.8° City's + Carnes line

507.83° City's + Ricard's line

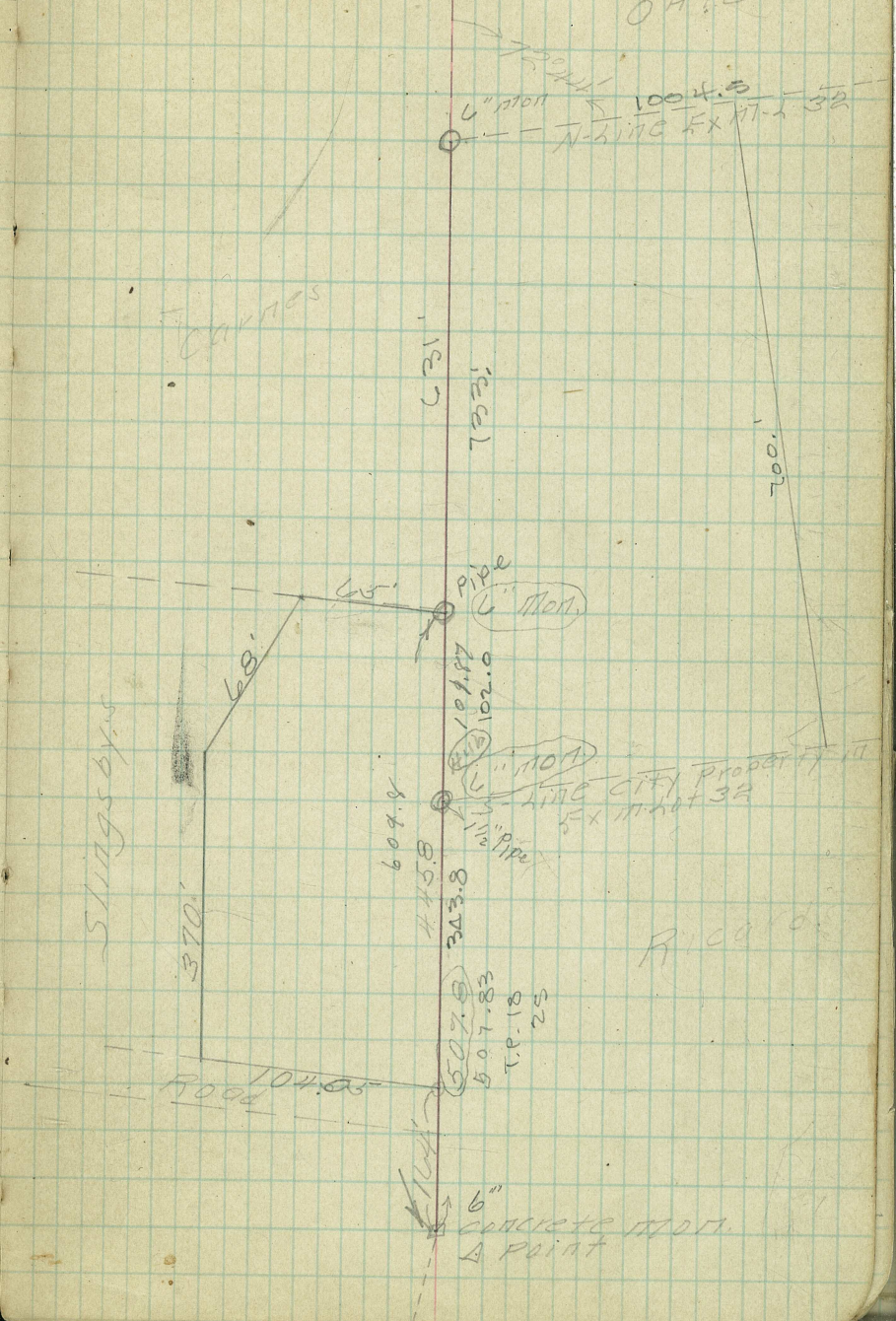
164° City + Road

0+00 A Point on City + County Boundary line
 A11°03'

6-16

Huston
 Maguire
 O.H.C.

20



North line of Ex Mission lot 32.

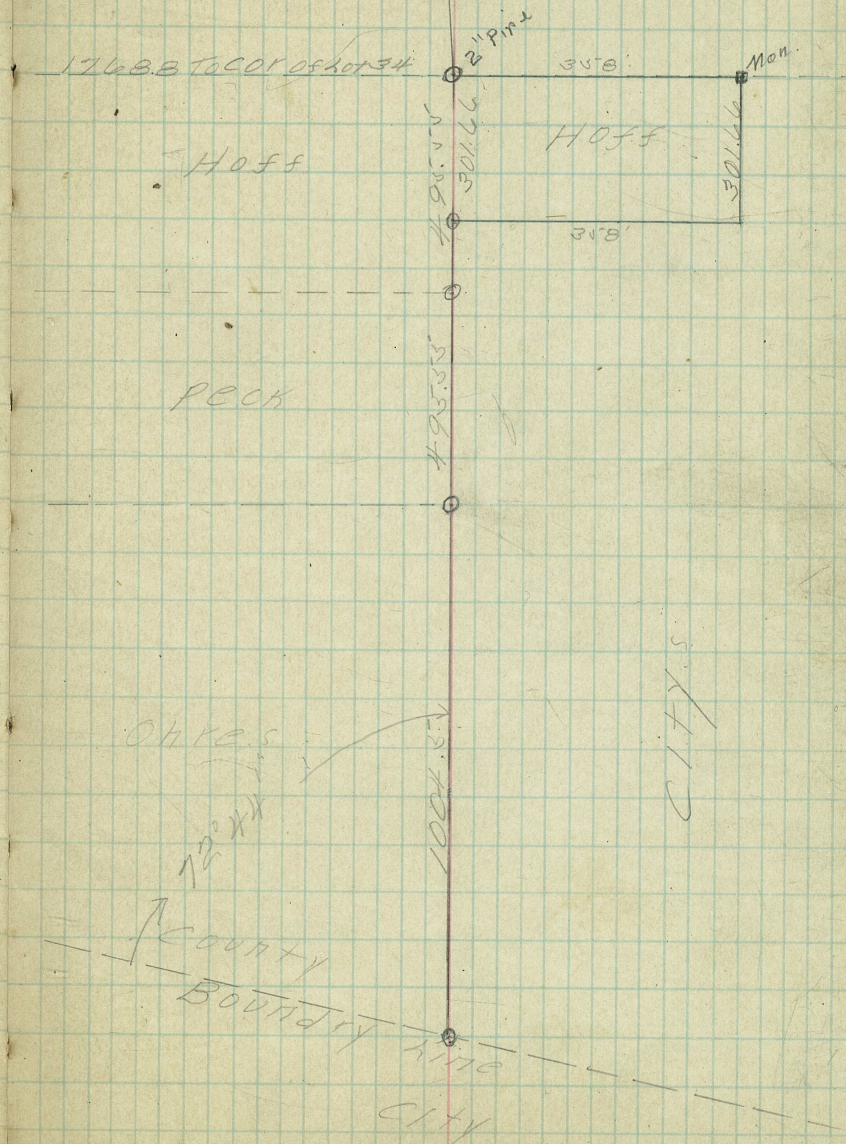
1995.6⁰

1693.91⁰

1500.05⁰

1004.5⁰

0+00⁰



Line Between Ex Mission lots

32-34 + 31-35-36

Running N 45° W

4408.8 4x4" Post Old Cor

2640 2" Pipe

2281.86 Mon-Fd

1940 Mon Fd

1541.6 HUB

1320 2" PIPE

946.7 2x2" Hub

900.9 2x2" Hub

413

0+0.0 4x4" Post Old Cor

June 1916
HUSTON
THRU

22

LOT 34

LOT 36

N 45° E

4x4 POST

4x4 POST N

Mon.

2" Pipe

539° 15' W

1633.43

17.858

950 24' 12"

Mon OUT

341.75

Mon HUB

LOT 35

1320.16

620.00

910 42' 00"

SET 2" PIPE OUT

IN FREEWAY

Mc Dermitt

N 46° 30' E

6115.50 H

COUNTY

Road

LOT 31

4x4 POST

900.9

413

900.9

413

900.9

413

900.9

413

900.9

413

900.9

413

900.9

413

900.9

413

900.9

413

900.9

413

LOT 32

SOUTH LINE CITY'S PROPERTY
EX MISSION LOT 32

2216.5

227.5 4.5

1914.8 321.46

611.7 7.7

1119.8 8-

1239.06

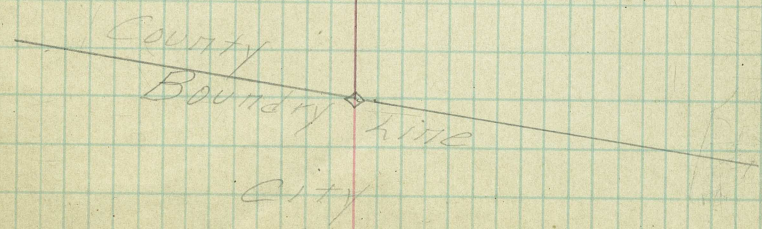
1617.85 9-

0+00

32

801.7

2216.5



NORTH LINE EX-III LOT "35"

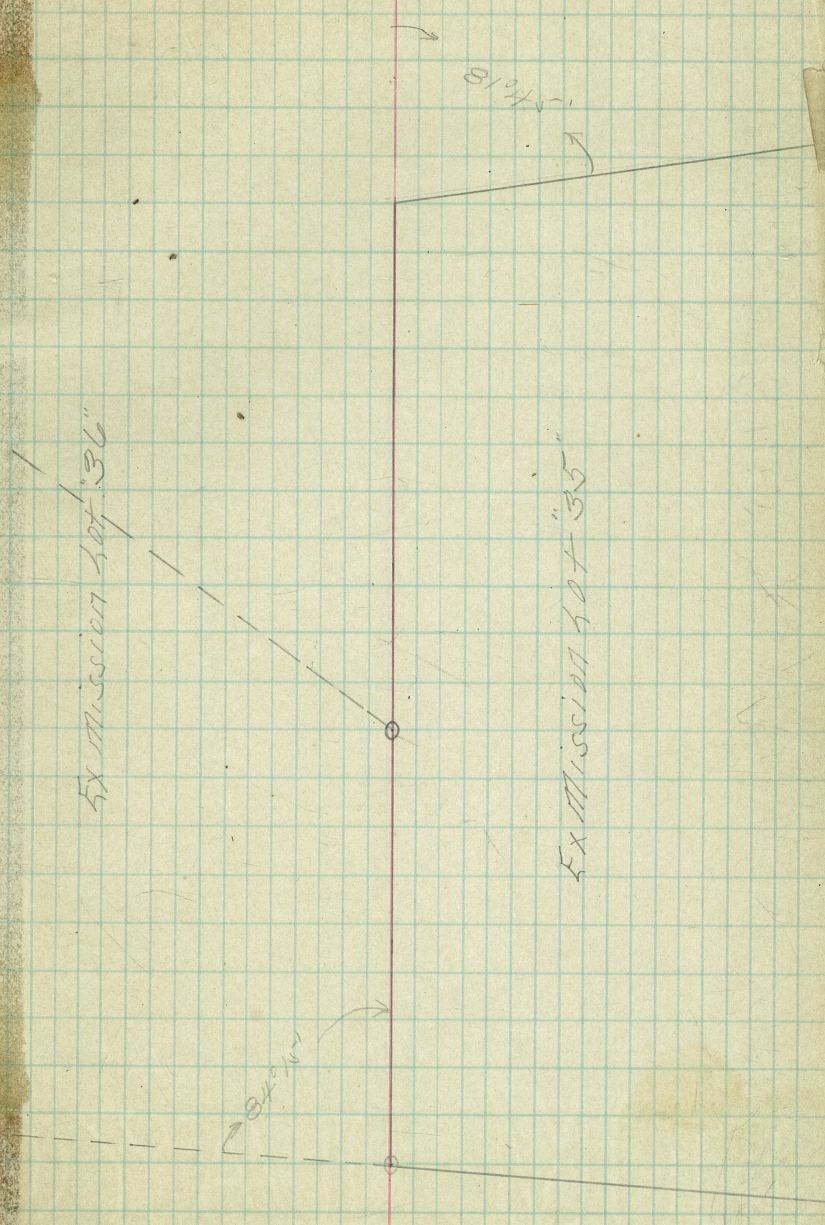
3498'

38973 ° P.O.T

164685 ° P.O.T

9994 ° P.O.T

0+00 C.M., M.O.P.,



SOUTH LINE EX. 11-207.35.

4590.3

1321

804.2

309'

3151.5

292.1

1963.7

0+00

BOOK 2103-31

910 28.
9130

620.00

10 FREEWAY

HUB

Mon

2" PIPE
L.S. 2675

HUB

401.28

666.85

785.10

952.10

1441.70

2851.2

3151.00

3177.8

3300

3350

3380

3410

3440

3470

3500

3530

3560

3590

3620

1016.50
1012.80
3.70

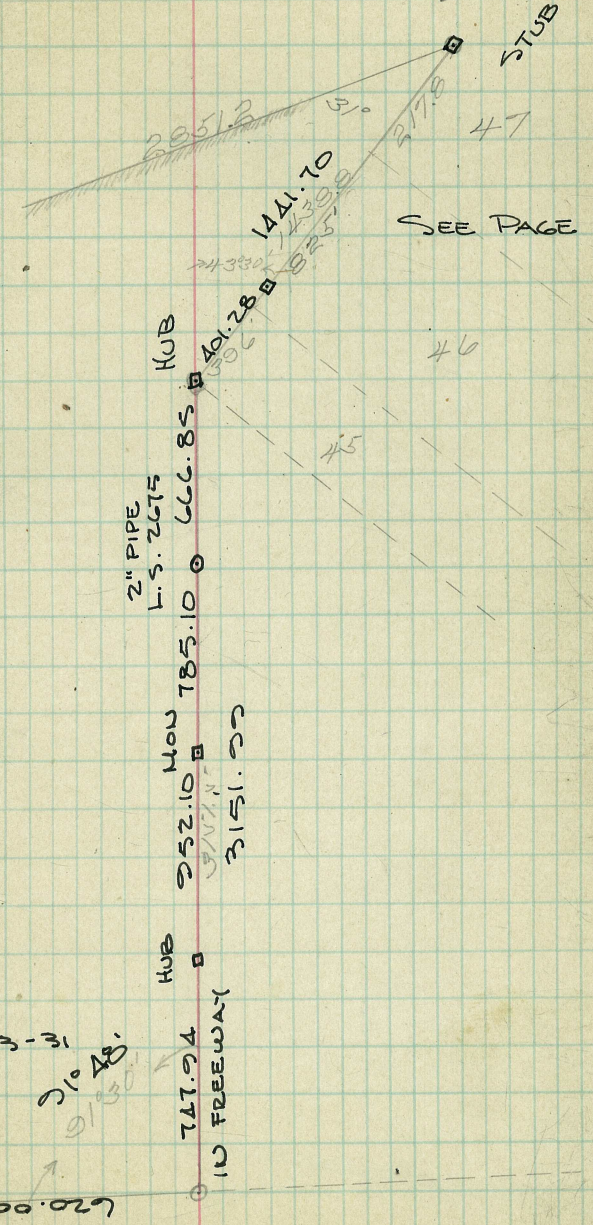
STUB

47

SEE PAGE 49

46

45



East line of Ex Mission lot '35'

2851.2

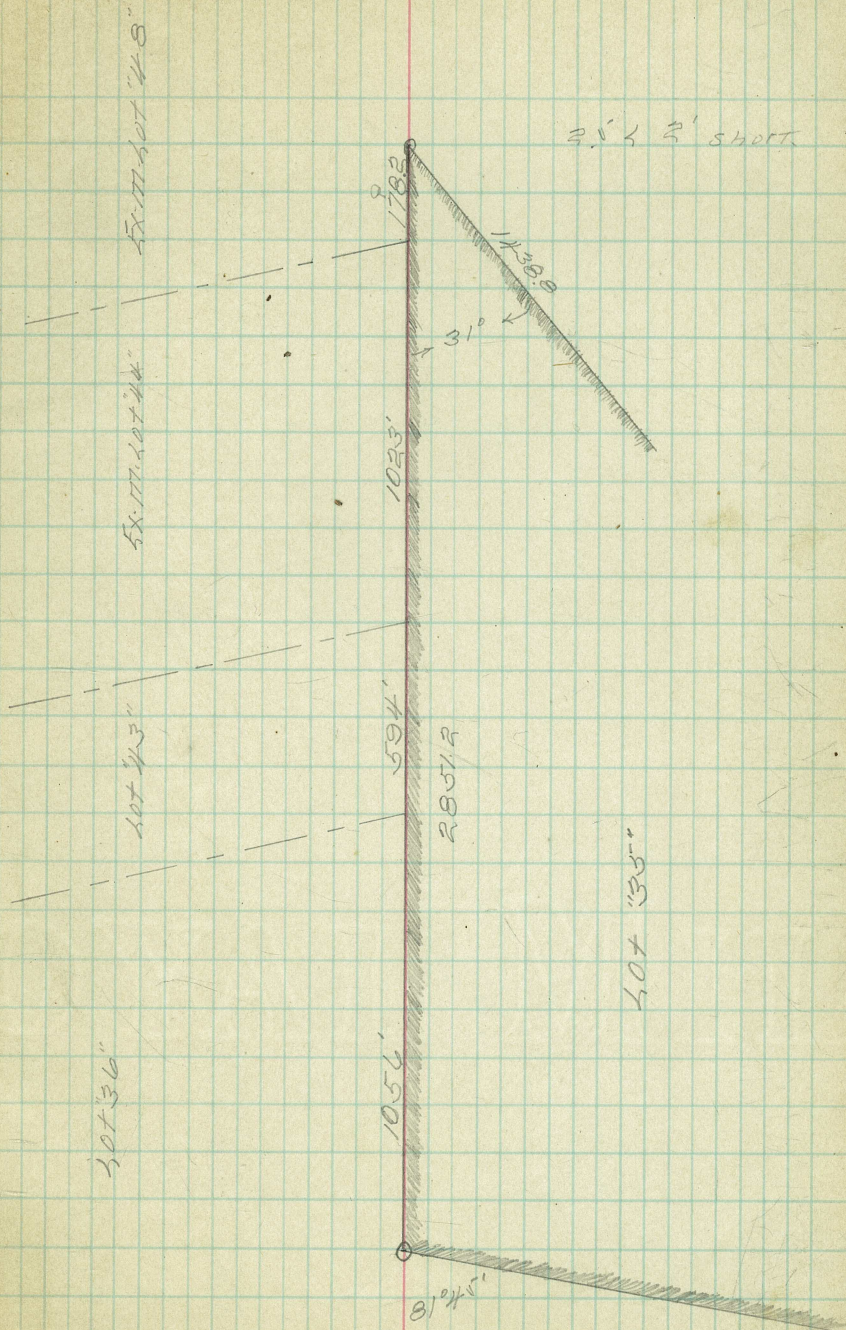
2673

1650

1056

22' 4.37

0+00



East line of Ex Mission Lot "44"
Running South from the N.E. Cor
To the S.E. Cor in River by Bridge

3062.4

2893.6

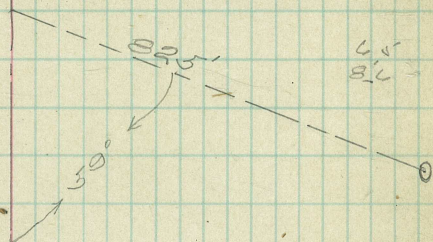
11+00 C of Road

1074 Fence

0+00

S

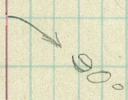
11.3-207 line



Lot "48"

3062.4

Lot "44"



S

Lot "49"

South from the N.E. cor. of
Ex mission lot 31 to an intersection
of Ex mission lot 35

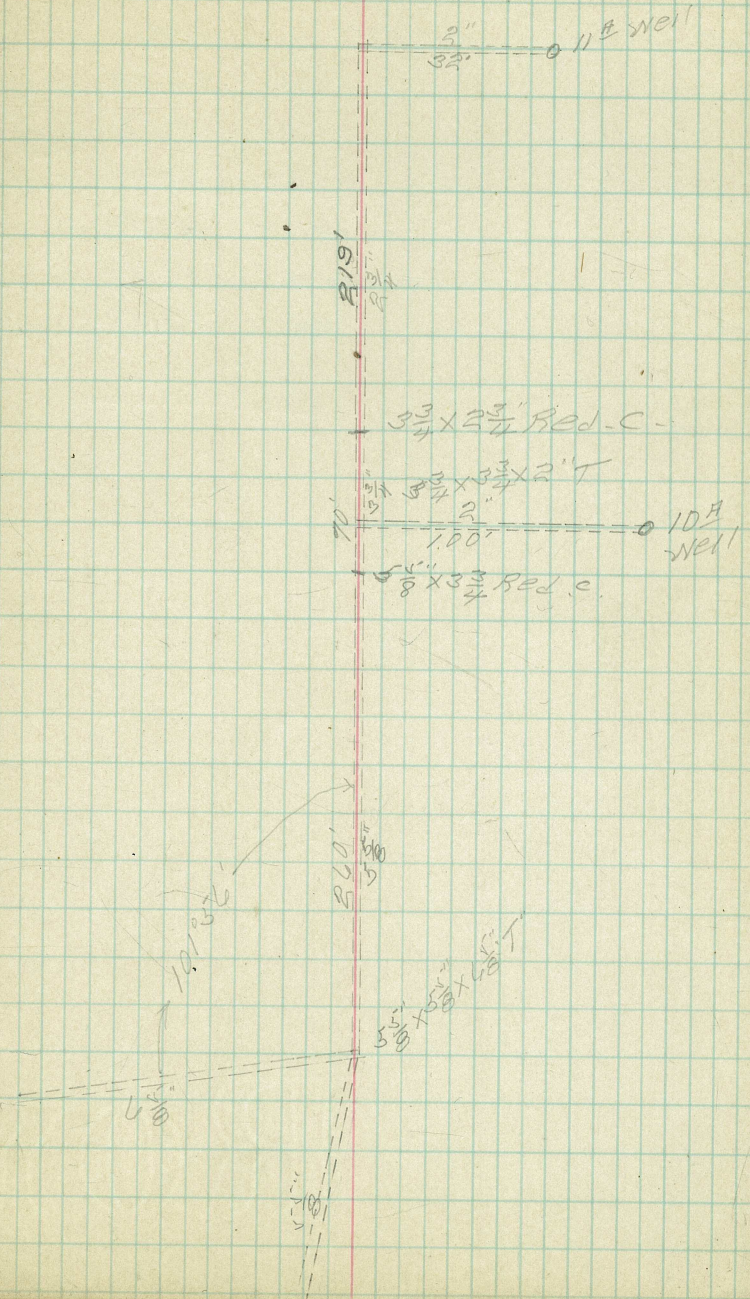
1716'

N-line of lot 35

305' C of road

0+00 Δ 90° from N-line of lot 36. 4x4" cor. stake

276' $\times \frac{1}{8}$ " pipe to 10A. 100' 2" to well
 278' to 11A 33' to well



Well # 11 A

B.M.	376	40.57	36.81
		6.19	34.38
		5.0	35.4
	+6.64	47.21	
	+7.15	47.72	
	+5.75	46.32	
	7.85	32.72	

30

plate
Ground
Air Discharge
Top stand pipe
Discharge into stand pipe
Flow line 12' conduit

8 Joints of 36" pipe

well 10^A

B.M.	5.67	42.48	36.81
		5.79	36.49
		5.80	36.68
	+5.80	48.28	
	+4.10	46.58	
	+4.63	47.11	
	9.10	33.33	
	9.15	33.33	

plate top well casing

Ground

Air Discharge

Top standpipe

Discharge into standpipe

Flow line 10" conduit to well

" " " " from "

7 joints 36" pipe

Well # 10

B.M.	392	41.73	37.81
		3.43	38.30
		4.78	36.95
		+5.20	46.93
		+4.16	45.89
		+5.24	46.97
		6.40	35.33

6 JOINTS 36" PIPE

T.P.		4.60	37.13
------	--	------	-------

32

Plate TOP WELL

Ground

Discharge PIV

" SUMP

TOP STAIRCASE

Flowline 10" CONDUIT

Well 9A

4.80	41.93	37.13
	4.80	37.13
	4.80	37.13
+5.90		47.83
+5.10		47.03
+4.80		46.73
7.90		34.03

7 joints 36" pipe

3.71	38.22
------	-------

Plate top well

Ground

Air Discharge

Top stand pipe

Discharge into stand pipe

Flowline 18" conduit

Well #9

B.M.	2.95	41.17	38.22
		5.44	35.73
		4.42	36.75
		+6.95	40.12
		+5.40	46.57
		+5.30	46.07
		5.73	35.44
		5.05	35.22

6 joints of 36" pipe

10.1 from old well to new

34

Plate top well

Ground

Air discharge

Top stand pipe

Discharge into stand pipe

Flowline 10" conduit from well

" " " " into "

Well # 88

358	41.80	38.22
	4.58	37.28
	+7.40	49.20
	+6.50	48.30
	4.80	37.00
	+4.30	48.10
	6.90	34.90

7 Joints of 36" Pipe

Plate top of well
Air Discharge
Discharge to stand pipe
Ground
Top stand pipe
Elevation of 10" conduit

Well # 8

356	42.38	38.82
	328	39.10
	+5.50	44.88
	517	37.21
	+473	37.11
	+4.45	46.83
	668	35.70

4 joints of 36" pipe

36

Plate top of Well
Air Discharge
Ground
Top of Stand pipe
Discharge into Stand pipe
Flow line 10" Conduit

Well # 7A

569	46.73	41.04
7.95		38.78
1.41		45.32
6.4		40.33
+2.3		49.03
1.90		44.83
8.70		38.03

7 Joints 36" pipe

Plate top of Well

Air Discharge

Ground

Top of Stand Pipe

Discharge into Stand Pipe

Flow Line of Conduit

Well # 6A

46.73

3.35	43.38
3.71	42.98
+1.50	48.23
+2.26	48.99
+0.54	47.27
7.70	39.03

5 Joints 36" pipe

58

Plate top of Well

Ground

Air Discharge

Top of Sump

Discharge into Standpipe

Flow Line 10" Pipe

Well # 6

49.86

6.16	42.70
5.80	43.06
+0.44	49.30
+0.17	49.03
0.50	48.36
10.00	38.36
11.47	37.39

Plate top of Well

Ground

Air Discharge

Top of Stand pipe

Discharge into Stand pipe

Flow line of 10" Conduit into Stand pipe

" " " 20" " " from from

6 joints of 36" pipe

Well # 5-A

40

4928

6.20	42.99
5.90	43.38
7.40	49.68
11.05	50.33
0.60	48.68
8.35	40.93
8.40	40.88

Plate top of Well
 Ground
 Air Discharge
 Top of Stand pipe
 Discharge into Stand pipe
 Flow line of 8" Conduit
 " " " 10 " Out

5 JOINTS OF 36" PIPE

T.P.	5.62	48.86	6.04	43.24
------	------	-------	------	-------

Well #5

41

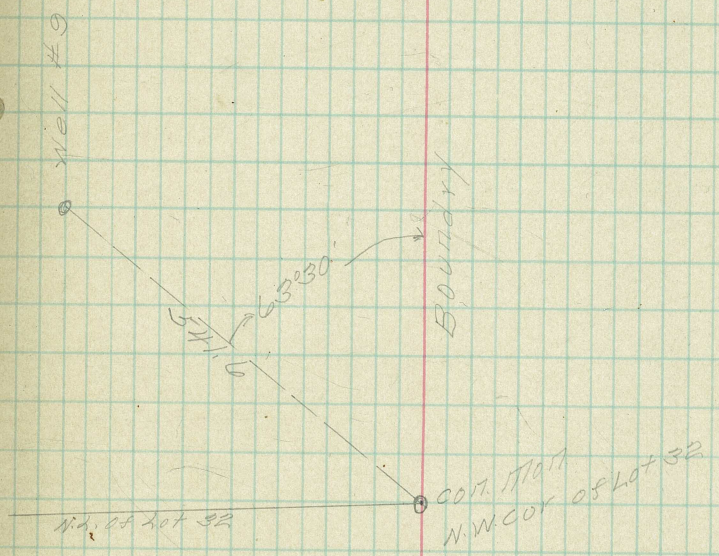
B.M.	377	50.73	46.96
		6.49	44.24
		6.30	44.43
		+0.15	50.88
		+0.88	51.61
		0.82	51.55
		9.11	52.62

PLATE TOP OF WELL
Ground
Air Discharge
Top of Standpipe
Discharge into Standpipe
Flowline conduit 10"

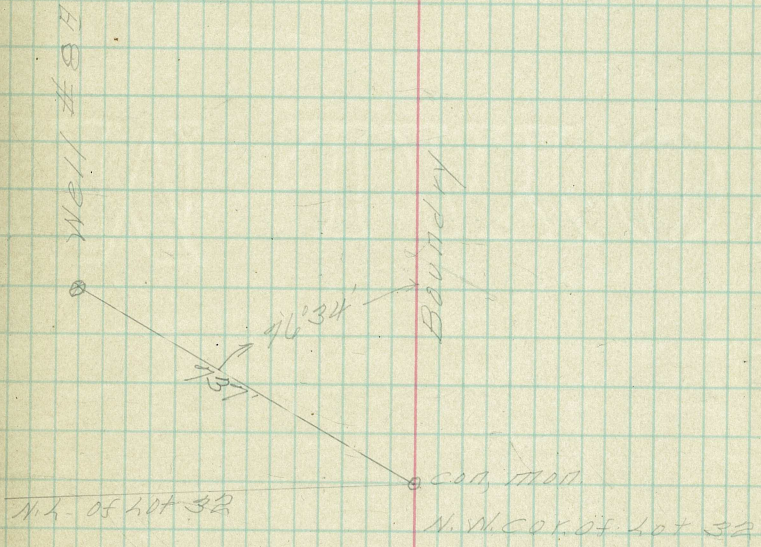
5 Joints of 36" pipe

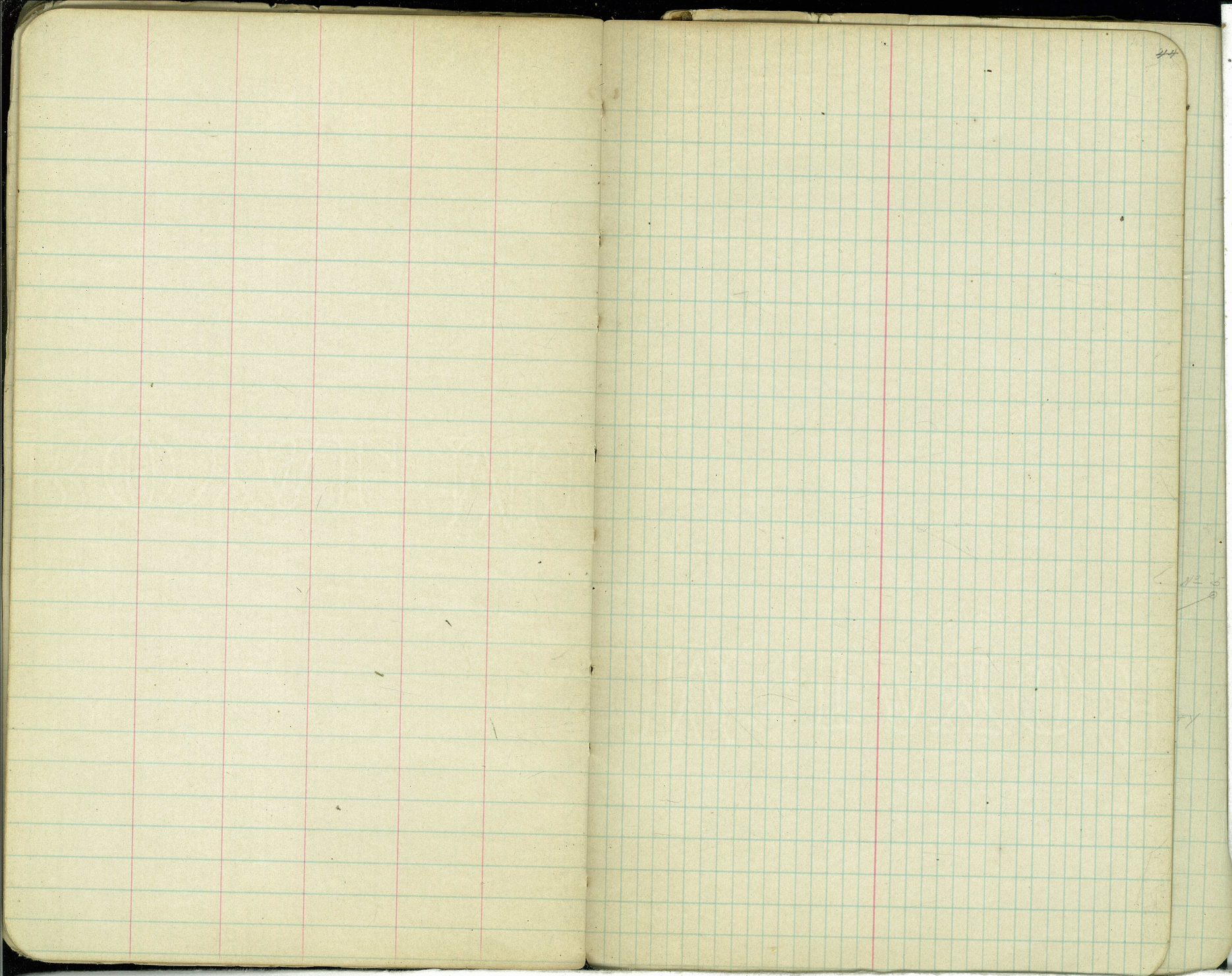
T.P.	0.30	49.28	1.75	48.98
------	------	-------	------	-------

Well # 9
Location



Well # 8A
Location





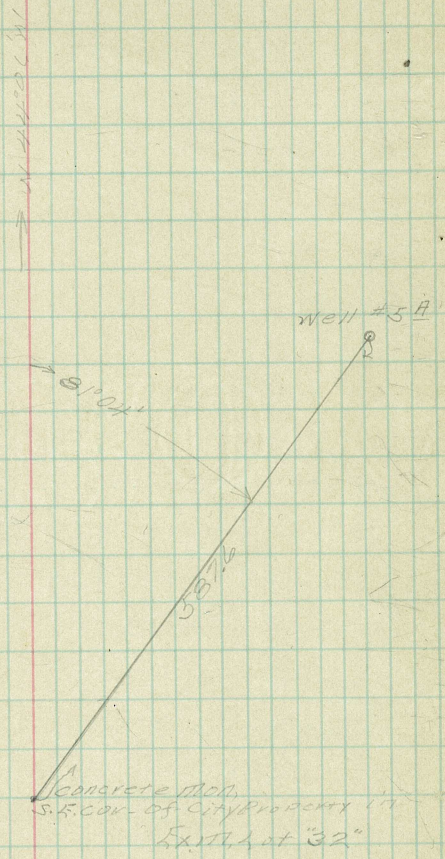
Levels for Conduit from
Wood sump to 24" pipe line of main sump

B.M.	138	48.25	46.85	+ on door sill	floor main Pump House
			13.78	34.45	Bottom of main sump
T.P.	1.74	42.25	76.9	40.54	
0+00			8.40	33.68	32.00
					C 4.0
+50			6.28	36.00	31.90
					C 4.10
1+00			6.48	35.90	31.80
					C 4.00
+50			6.66	35.62	31.70
					C 3.92
2+00			6.80	35.98	31.60
					C 4.38
2+50			6.16	36.12	31.50
					C 4.62
3+00					
3+50			5.33	36.95	31.30
					C 5.65
4+13.5			9.40	32.88	31.17
					C 1.71
Top pipe			7.40	34.88	
Ground			0.95	41.33	

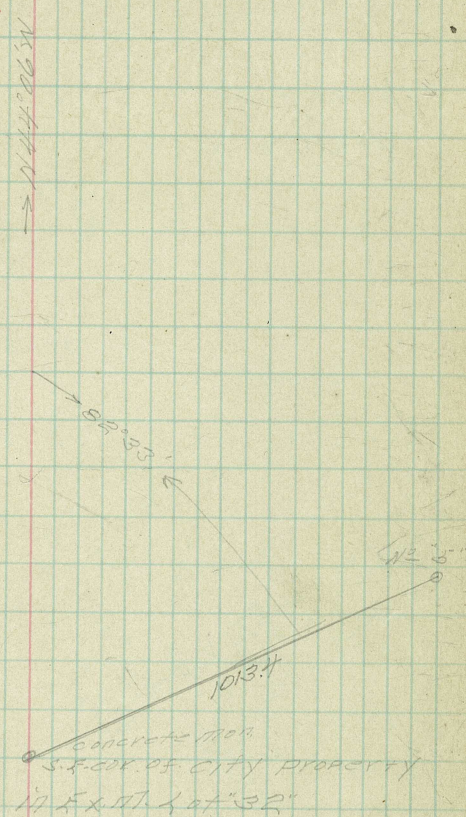
Location
Well #5A

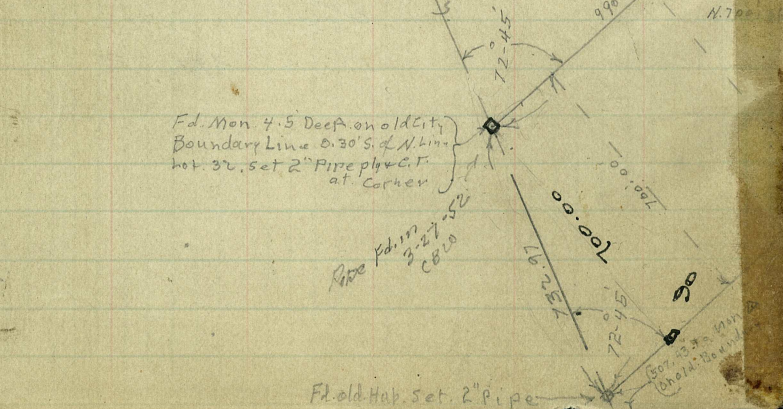
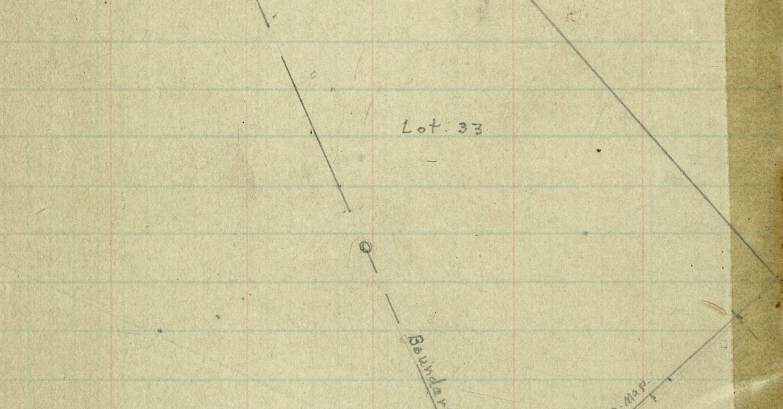
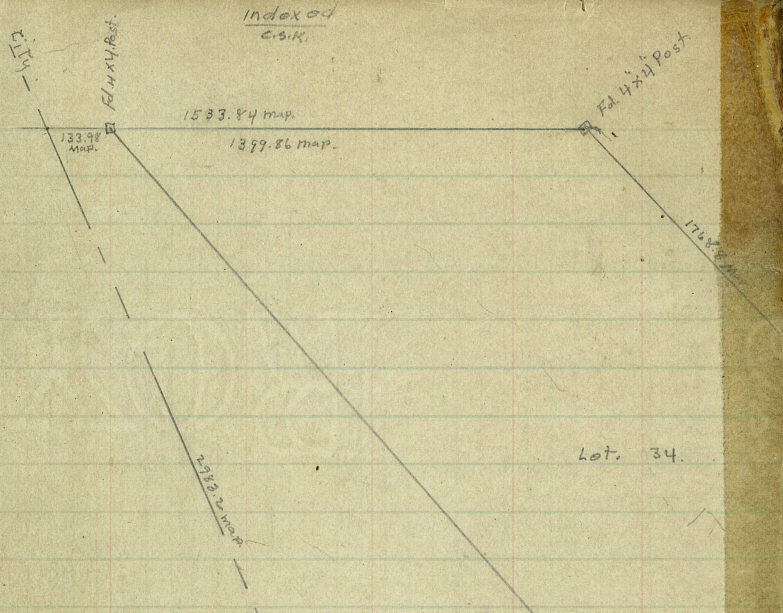
#6

0100

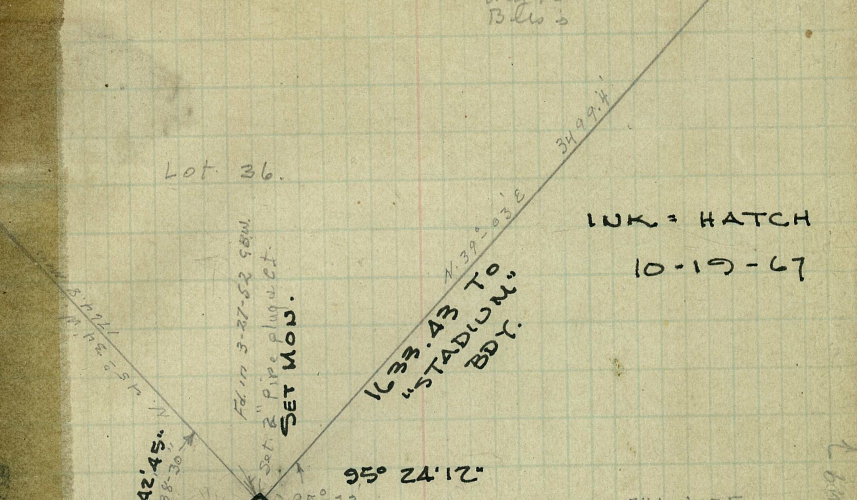


Location of
Well No "5"

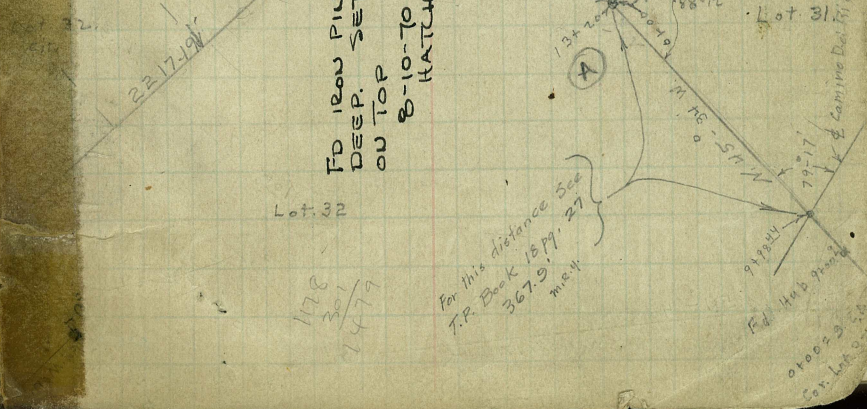
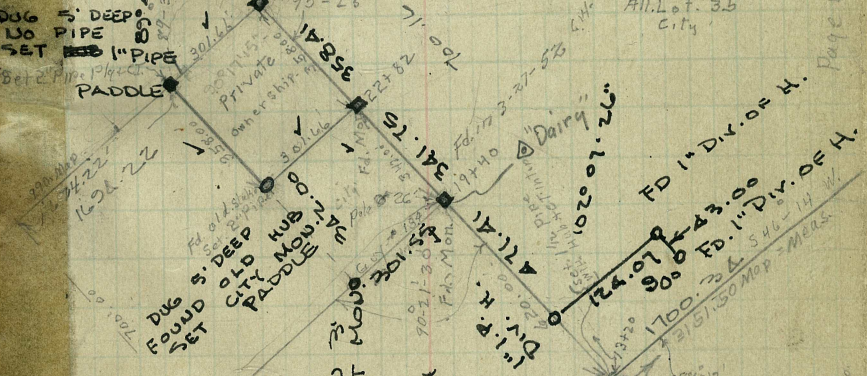




Survey of N.W. 1/4 700' of Lot 32
 all
 in Lot 35 X Mission Partition
 see Pages 20 to 26. F.M. 330 & L.S. Map 348
 T.P. Book 18. June 31 Miller
 Wap Ker.
 Bldg



INK = HATCH
 10-19-67



Lot 34
Lot 33
Lot 32
Lot 31
Lot 30
Lot 29
Lot 28
Lot 27
Lot 26
Lot 25
Lot 24
Lot 23
Lot 22
Lot 21
Lot 20
Lot 19
Lot 18
Lot 17
Lot 16
Lot 15
Lot 14
Lot 13
Lot 12
Lot 11
Lot 10
Lot 9
Lot 8
Lot 7
Lot 6
Lot 5
Lot 4
Lot 3
Lot 2
Lot 1

CITY MON.
ADD PADDLE

Lot 36

N. 39-03 C 3479 1/2 Meas.

IN POUD. 4-29-41

HATCH
10-7-69

All of Lot 35
City

center of sand
Lease

OF FILL
SET HUB.

OUT → STUB

747.74 HUB

FO. MON.
10-7-69

1700.04

HUB

2" PIPE I.S. 2475
43° 28' 30"
376.30

2" X 2" HUB-DISC
F.d. in Place
3-24-52
C.B.W.

SPASS
Set. M. L. ...
45-24-31-10-35

856.75
Corners of Lots 35-45
46 + 47 set according to
L.S. Map. 348

441.70
Map 14-23-8-10

Set 2" Pipe plug + c.T.
Set HUB ADD DISC

0005'00"
63052'00"
64001'00"
115059'00"
180000'00"

W. Line Section 17

City Boundary
Sec 7 P. B.

S.W. Cor. Sec. 17
Mon. S.W. Cor.
Lot 45 R.M.S.D.S.

Lot 45

Lot 46

Lot 47

Lot 36

F.d. in Place
3-24-52
C.B. Walker

2641.50

1056 Map
1056.00 N.E. 1/4

1042.15'

2355
Elec Pole
Copper S.A.K. W.S.H.
Set. G. 4 M. ...

15033
159.00
Pump House
Springs on Conc.
Stand Pipe.

M.M. Cor. Sec. 17
F.d. 44 R.W.
Post

Hoppers

1770.18

413.80
5.462 1/4 W.

401.28
396.70

Lot 48

1798.76

Map 1795.30

Ref
Ties This Post
see p. 52

to
Village

the
Hall
Stake

43

44

48

Lot 35

Set 2" Pipe

Section 17. N. 89° 42' 45" E.

S. 66° 53' W. 1718.83'

3-26-52 stas.

Fd. in with County Top.

Fd. 1/2 Galvanized Pipe Plugs et.

8000
Noting

Fd. spike Set. 2x2 Hub.

Page 79

Grantville

Fd. 2" Pipe with Cap.
3-21-52
C.B.S.

Powers St.

Heintzleman Ave Vacated

N. 89° 42' 45" E.
N. 89° 46' E 725.00'

N. 89° 46' E 301.00'

M.A. Luce

To

Jere W. Clemens

Deed. Book. 179

Page 74

Also Fd. 18" Deep
3-21-52 stas.
on top over same
Replaced
N. 100° 45' W
F. Nail in Pav.

Fd. Nail

Fd. Nail

Fd. Nail

Fd. Nail

Fd. Nail

Fd. Nail

Fd. Nail

Fd. Nail

Fd. Nail

Fd. Nail

Fd. Nail

Fd. Nail

301.00

N. 100° 45' W. 380.00'

Fd. Mon.

280'

S. Line Grantville

Fd. Mon.

402.46

Fd. 1/2 Hub & Nail
guard stake

HUSTON

Detail of Ref. Ties To P.O.T. Mon
at Sta. 13+01.4 P-49

Walker
Popc
Huffman
Bishop
3-25-52

HATCH
10-3-69

Lot 35

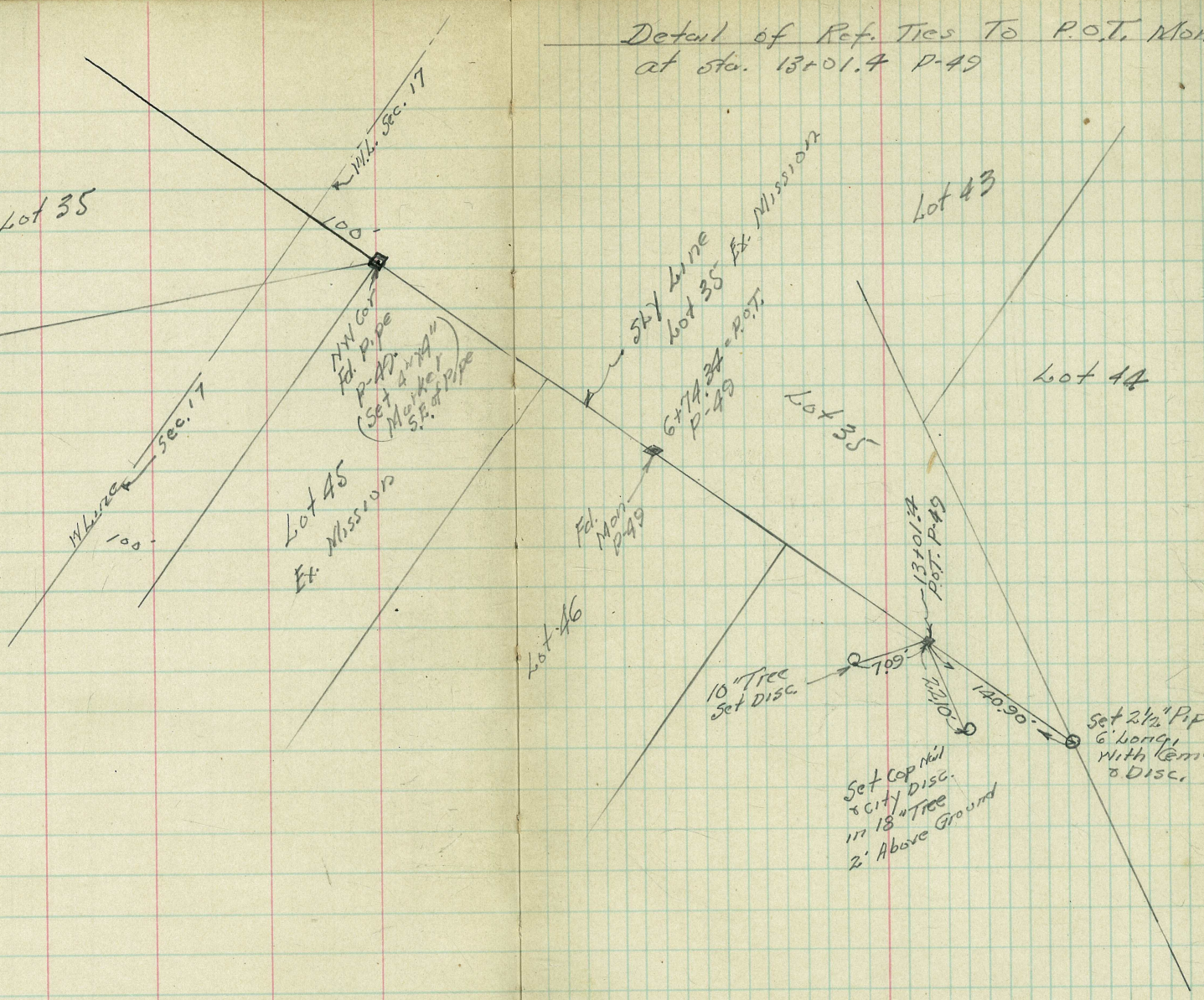
Lot 43

Lot 44

Lot 45
Et. Mission

Lot 46

Lot 35



M.V. Cor.
Pd. Pipe
P-49
(Set & mark
M. Marker
S.E. of Pipe)

Fd. Mon
P-49

sky line
Lot 35
Et. Mission
6x7 1/2
P-49

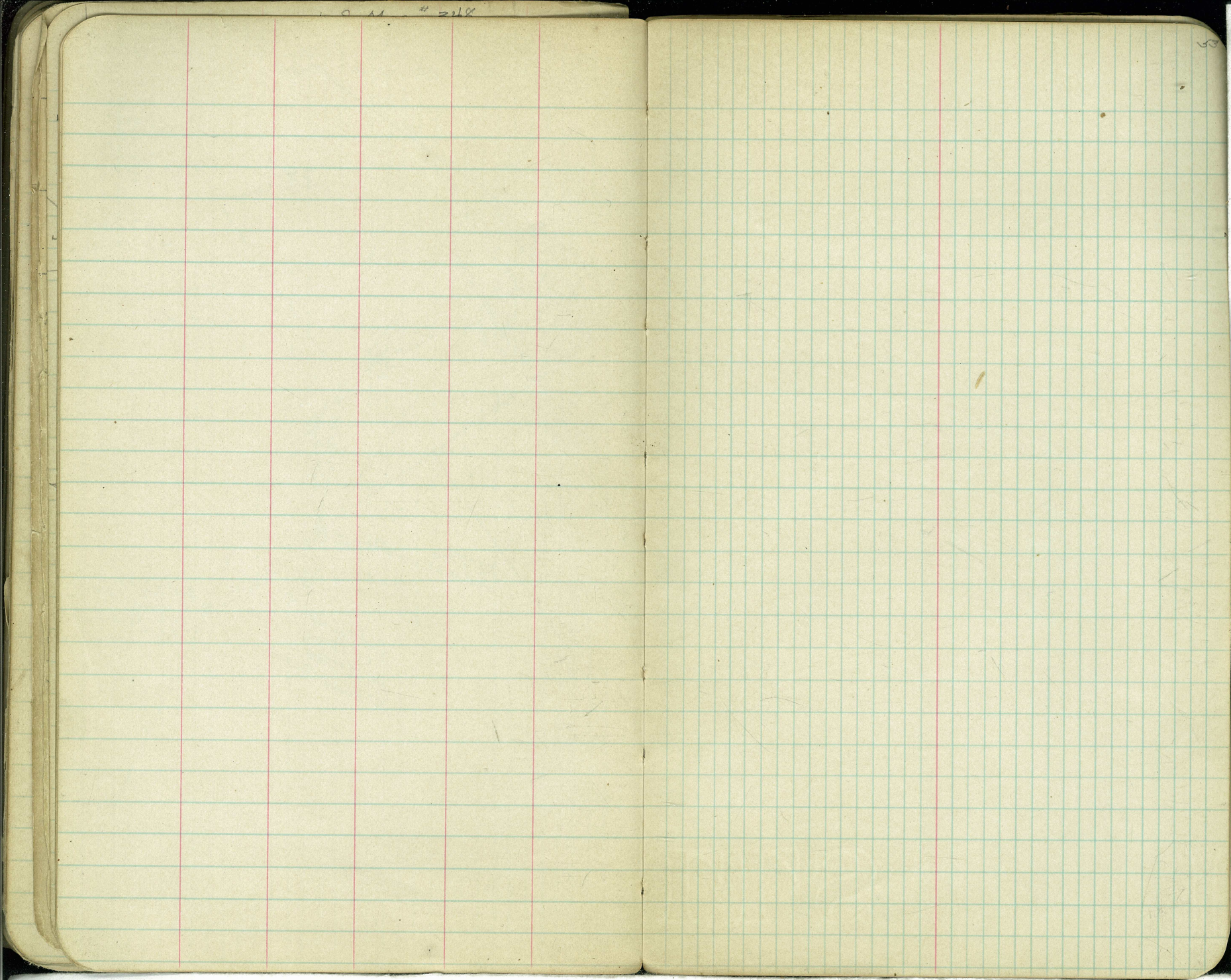
13+01.4
P.O.T. P-49

10" Tree
Set Disc.

Set Cap Nail
& city Disc.
in 18" Tree
2' Above Ground

Set 2 1/2" Pipe
6' long
with Cement
& Disc.

Page 1

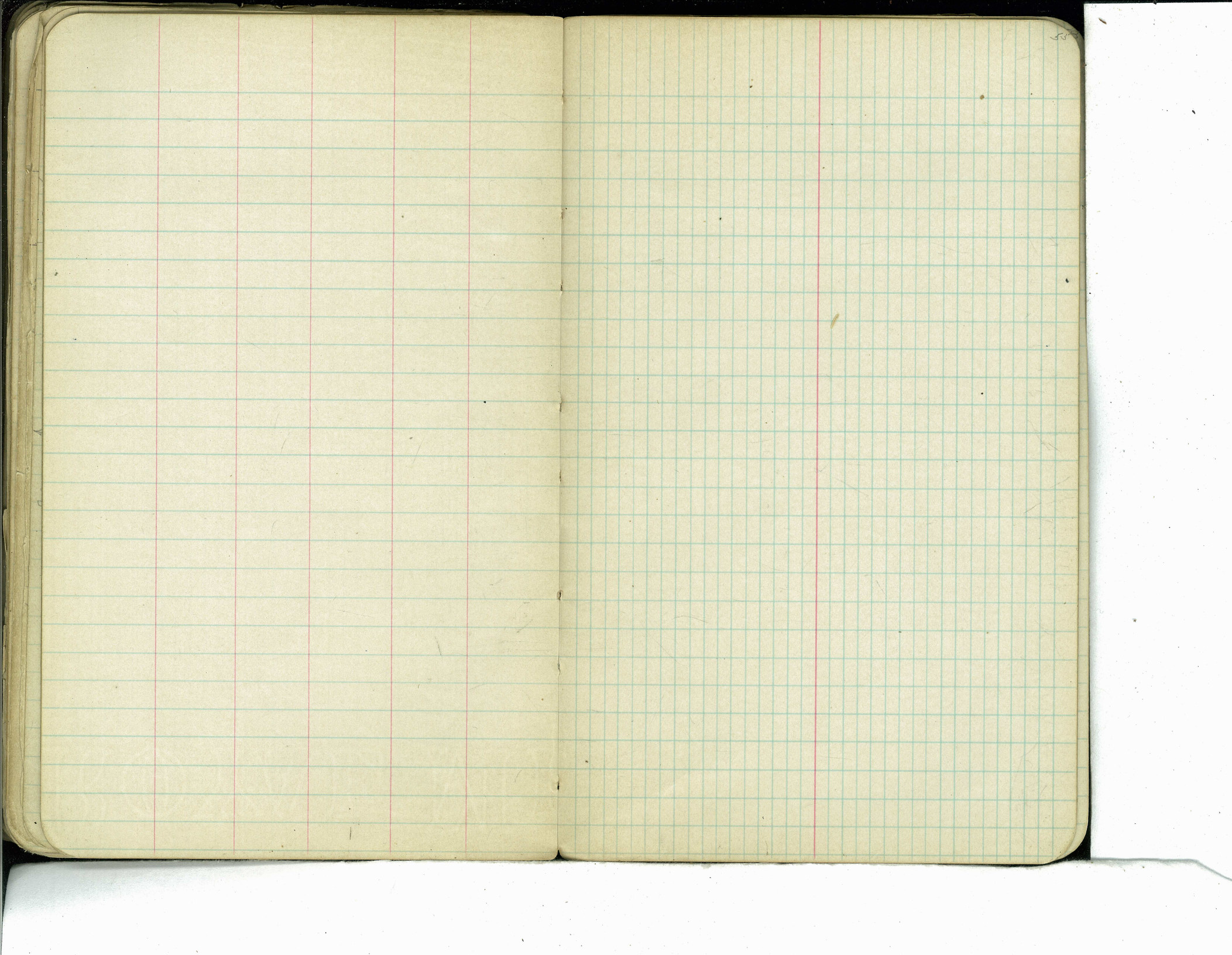


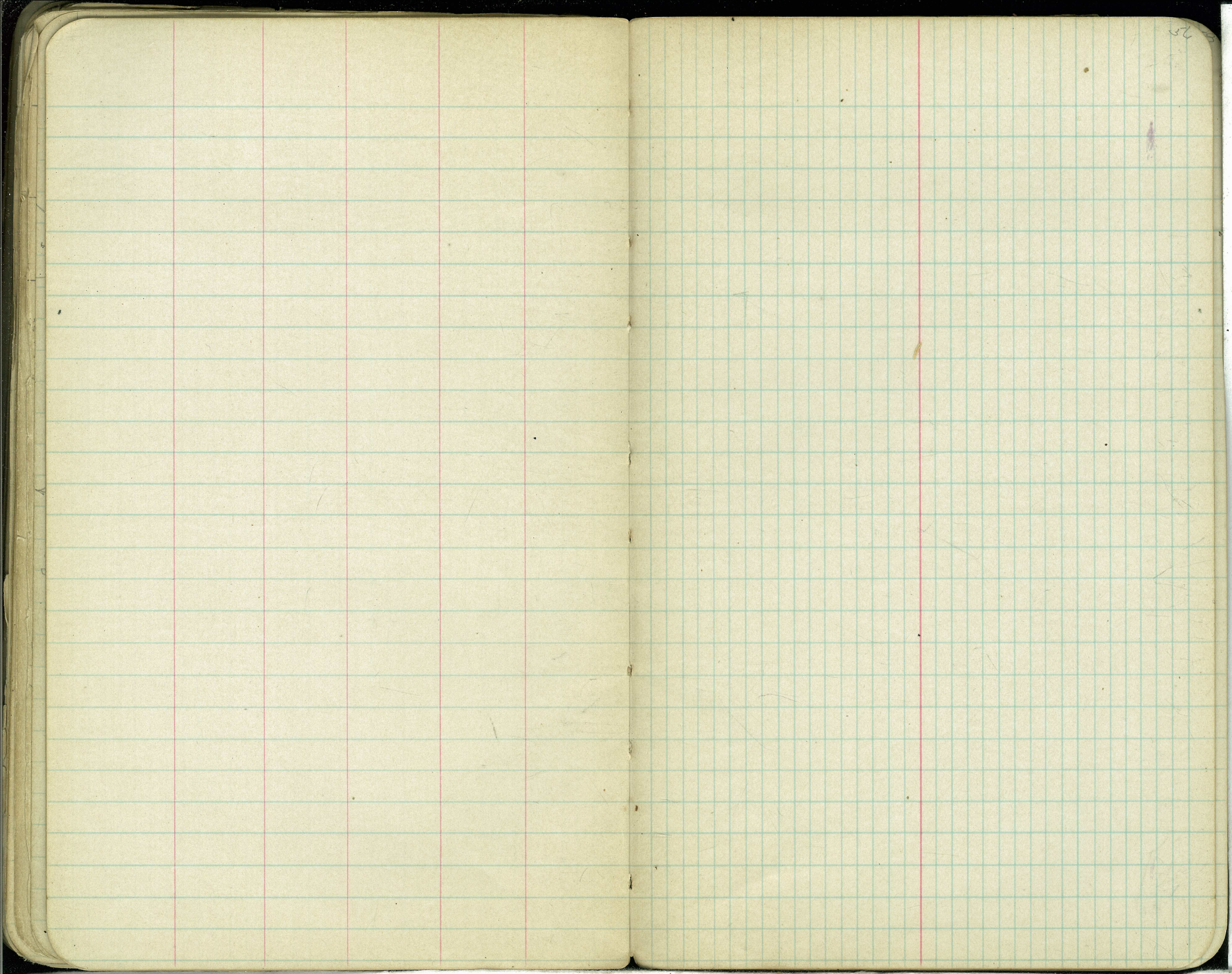
H

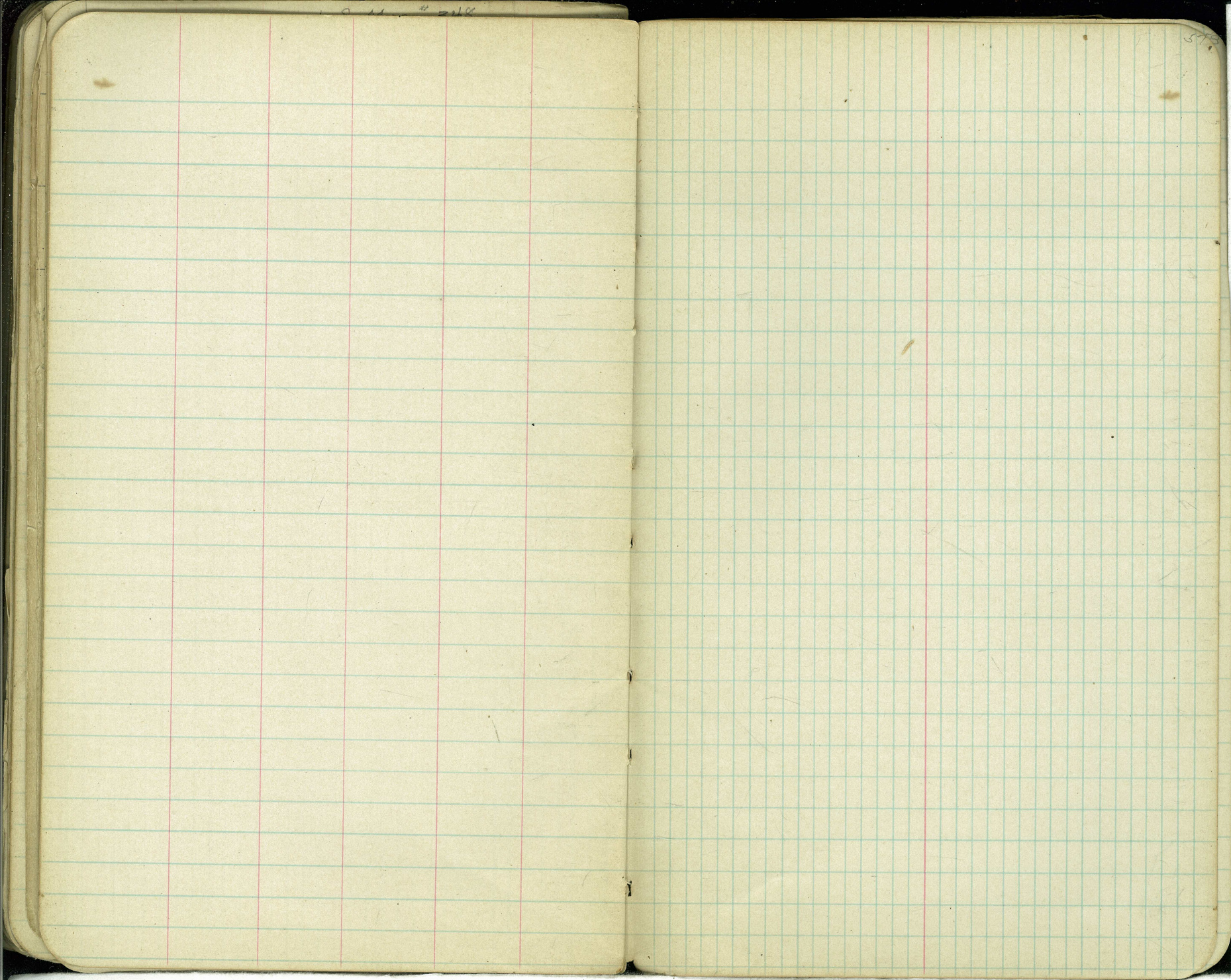
Lot

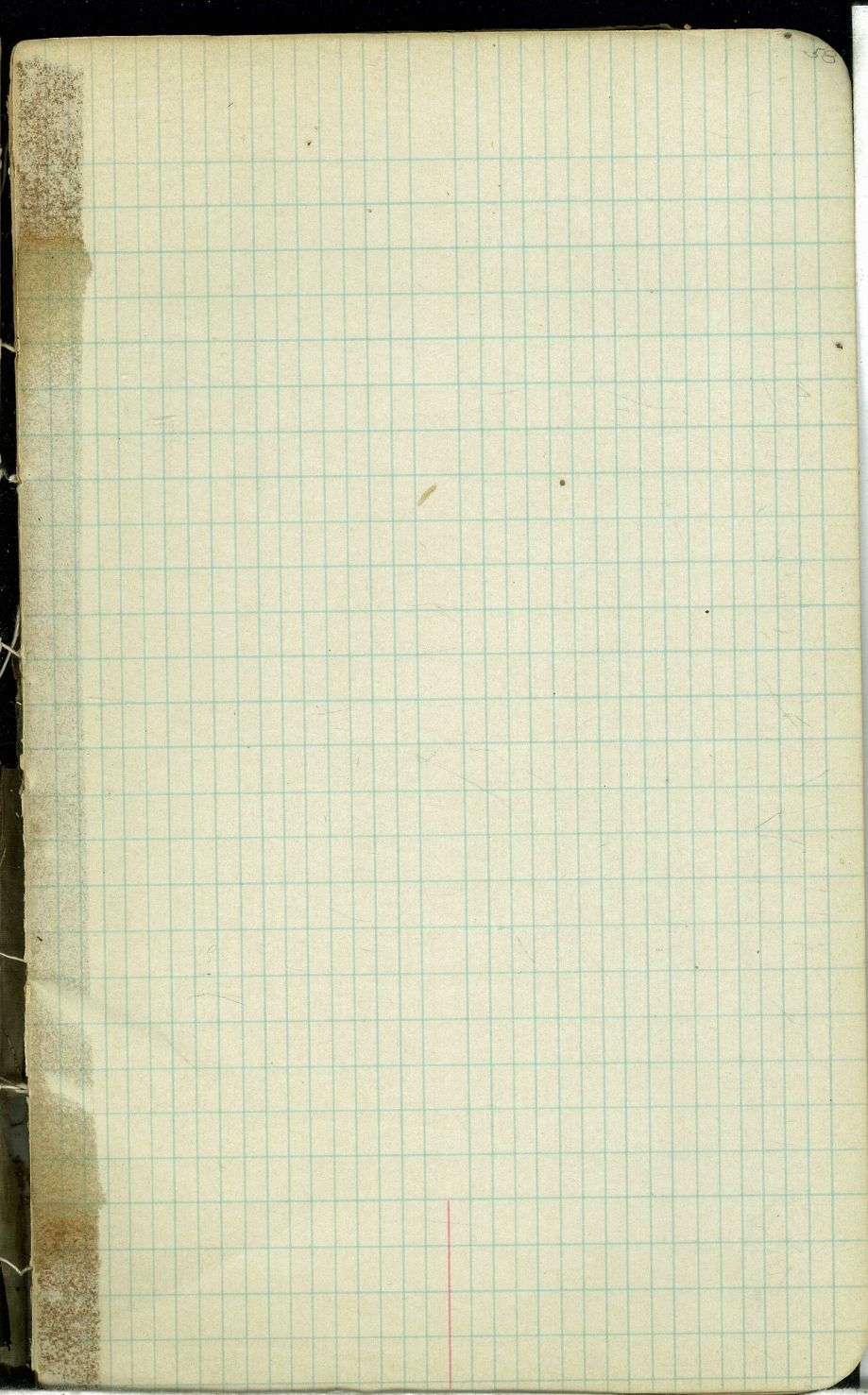
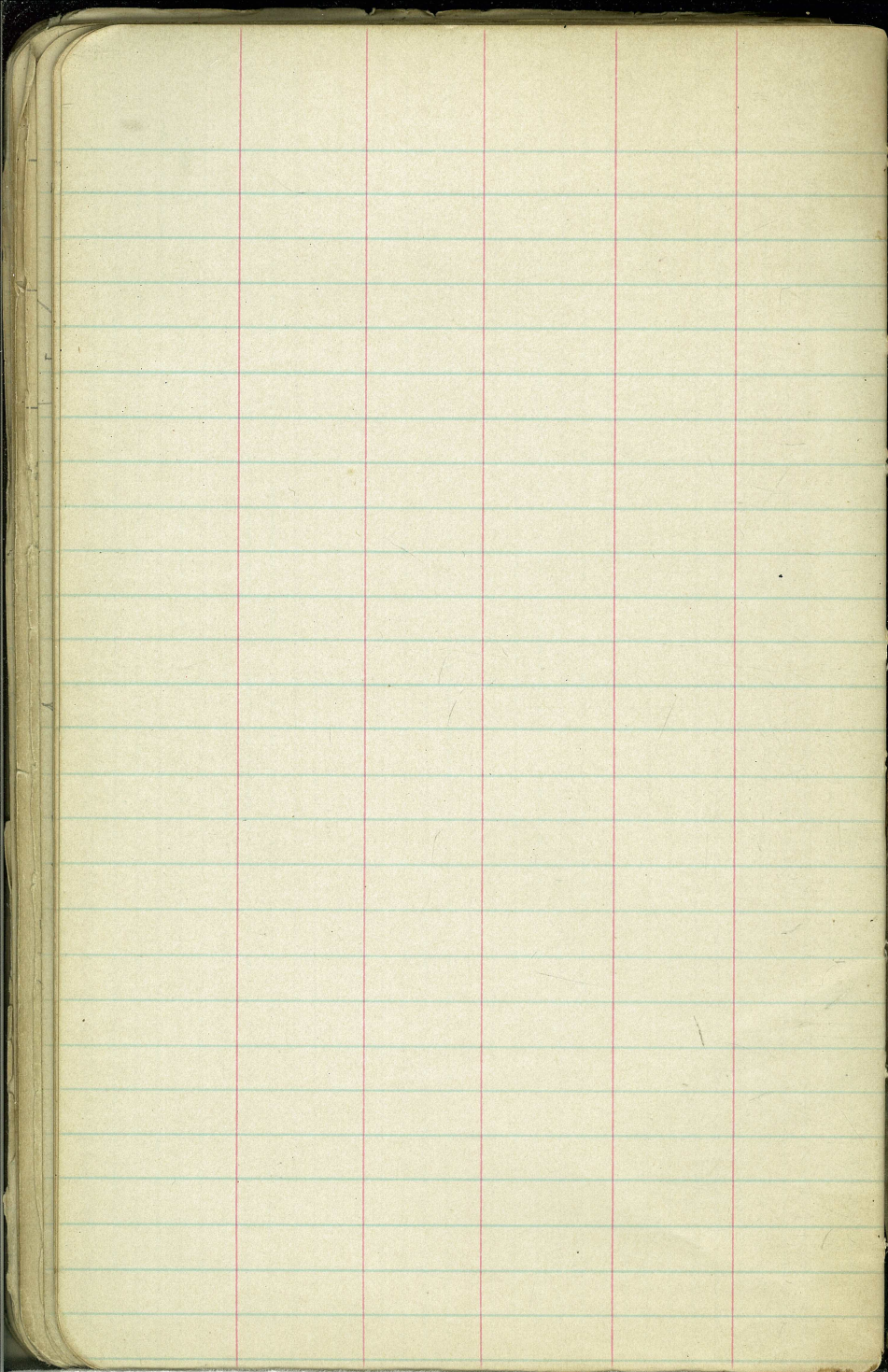
← 6 Feb 62

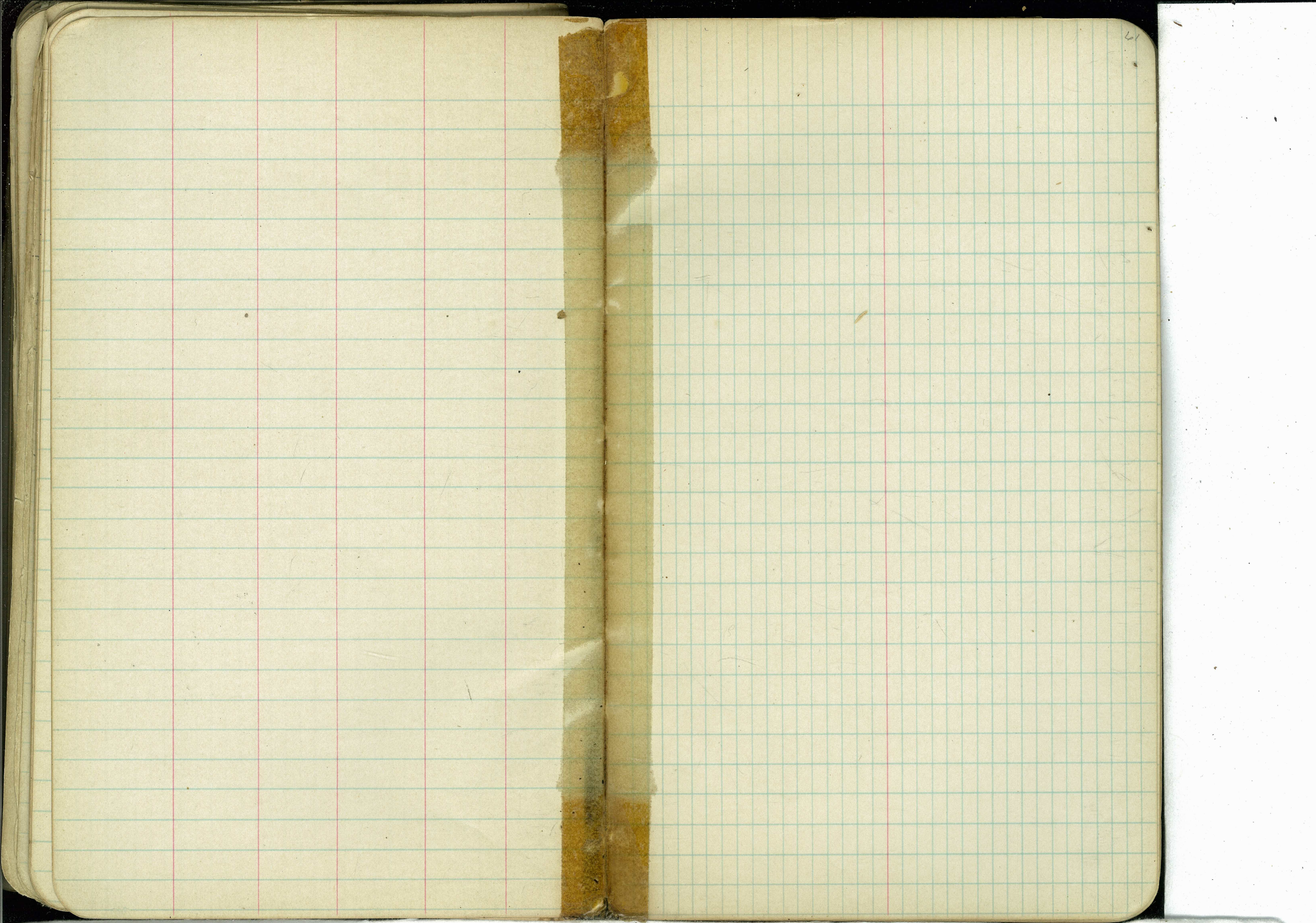
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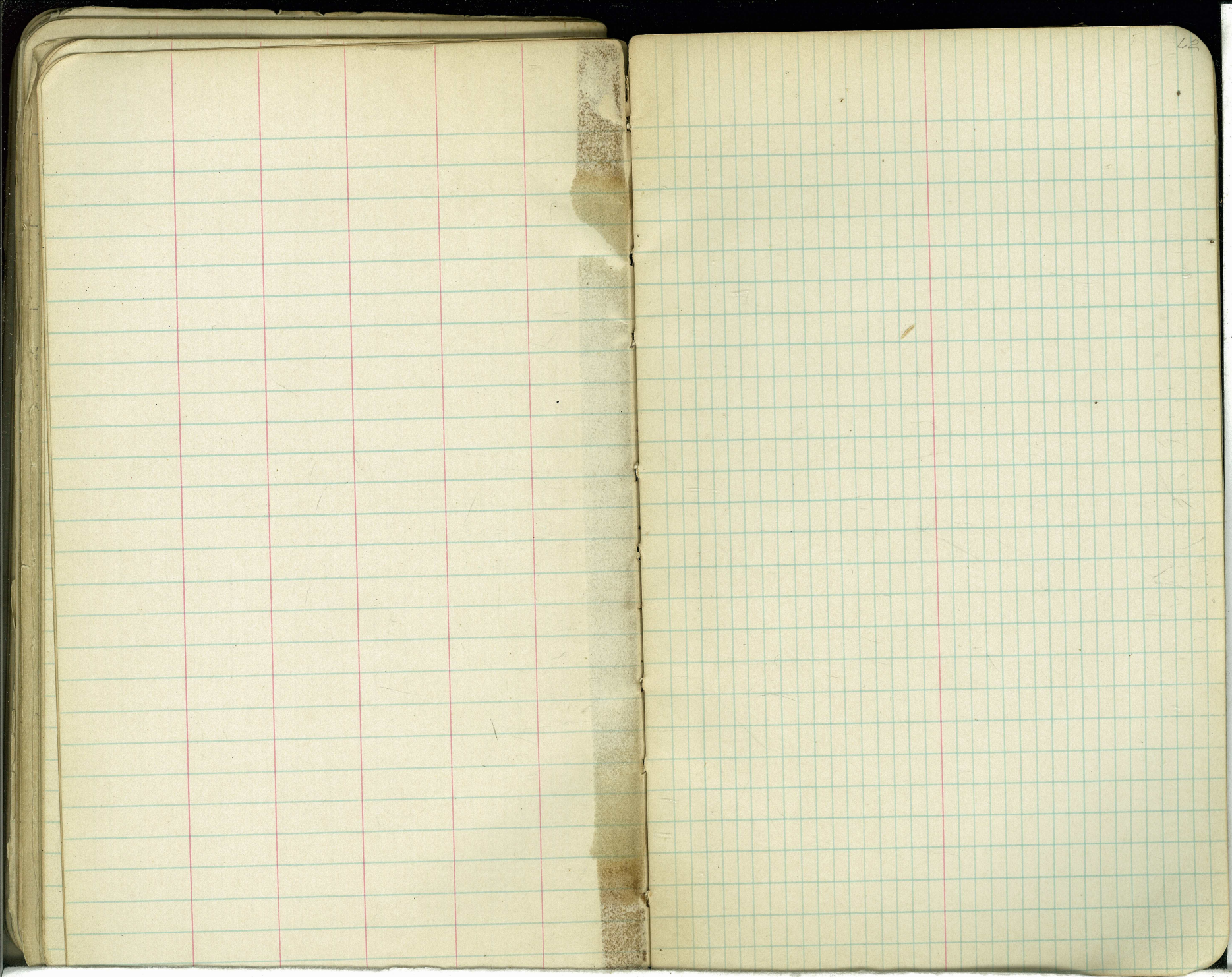


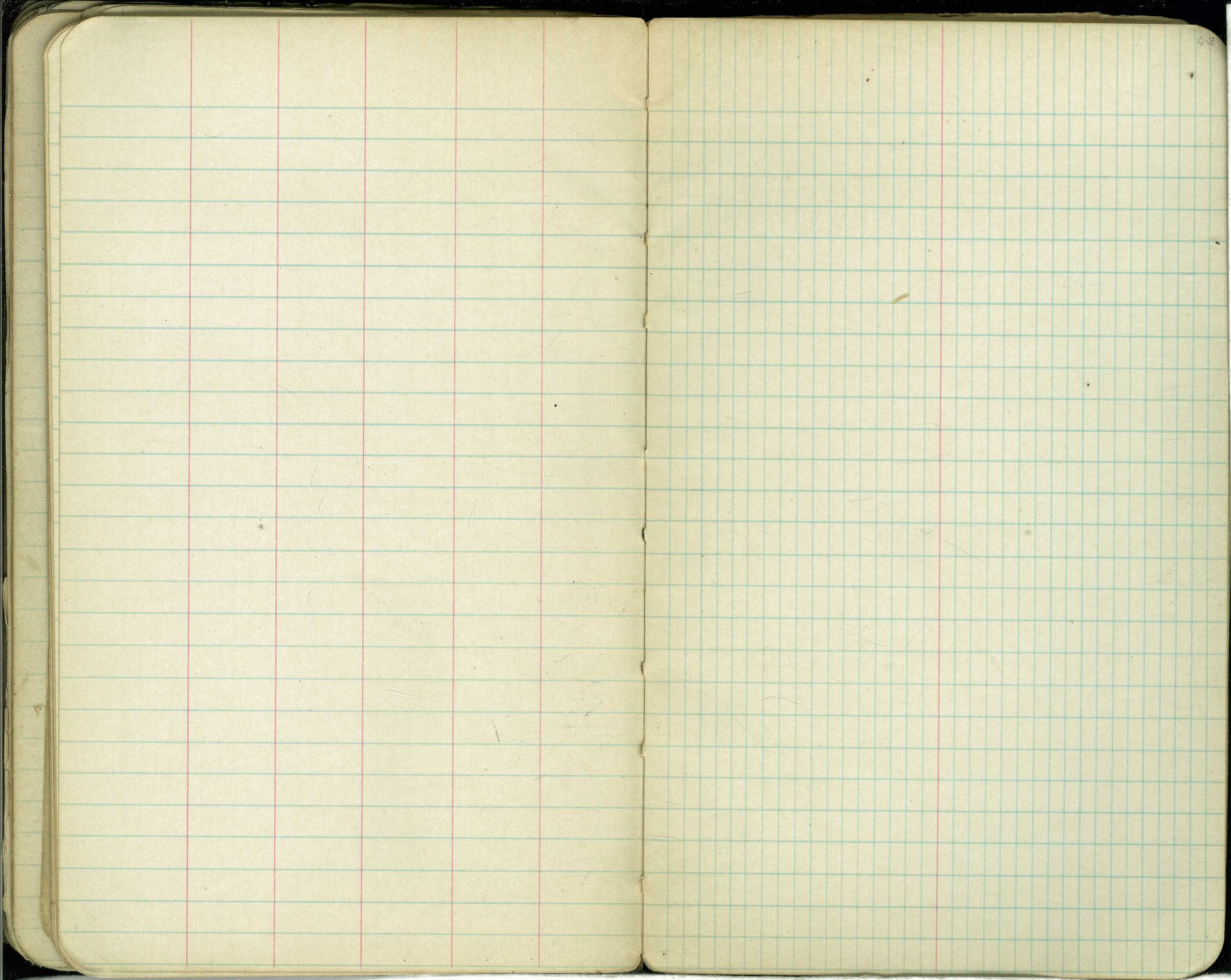


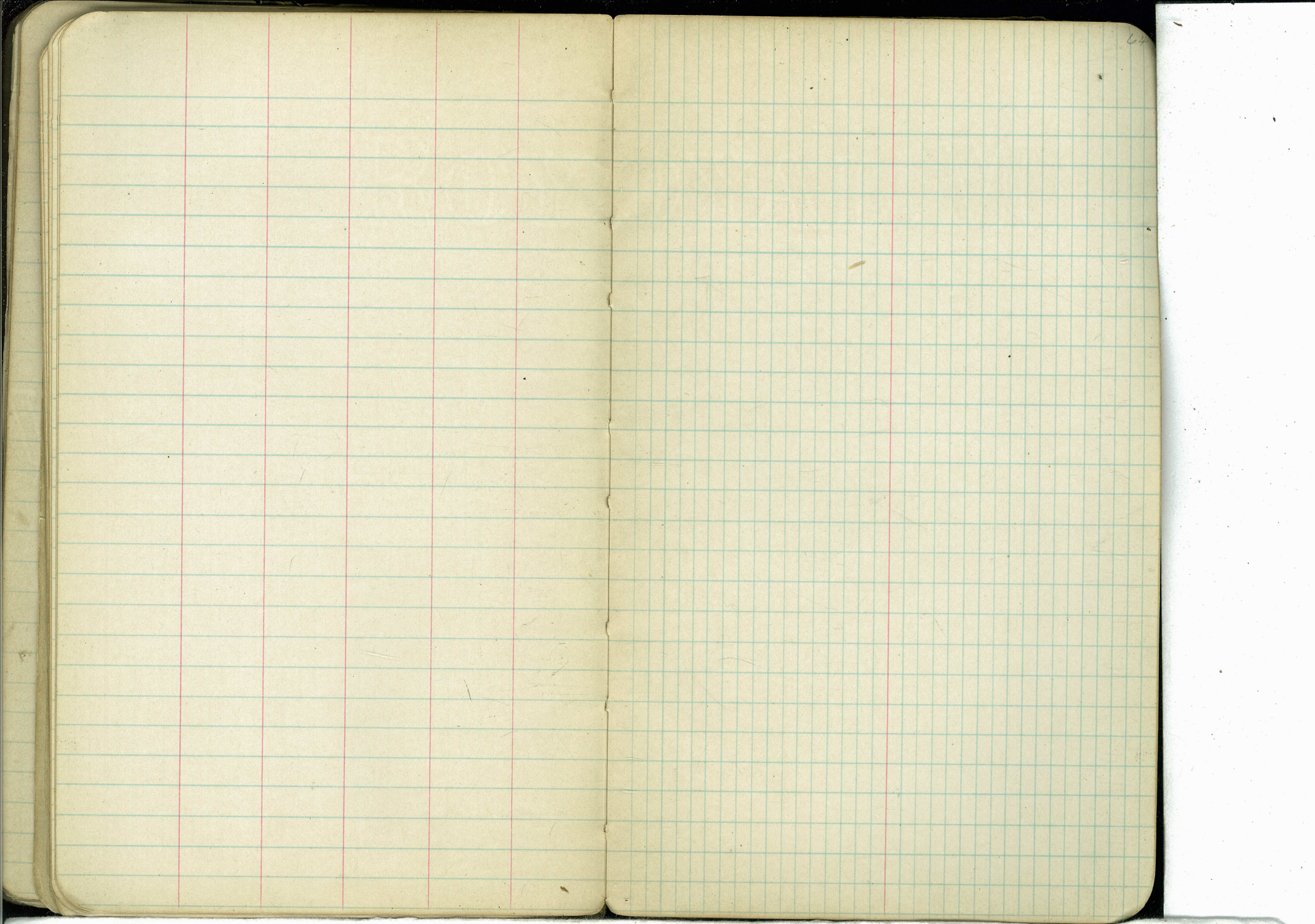


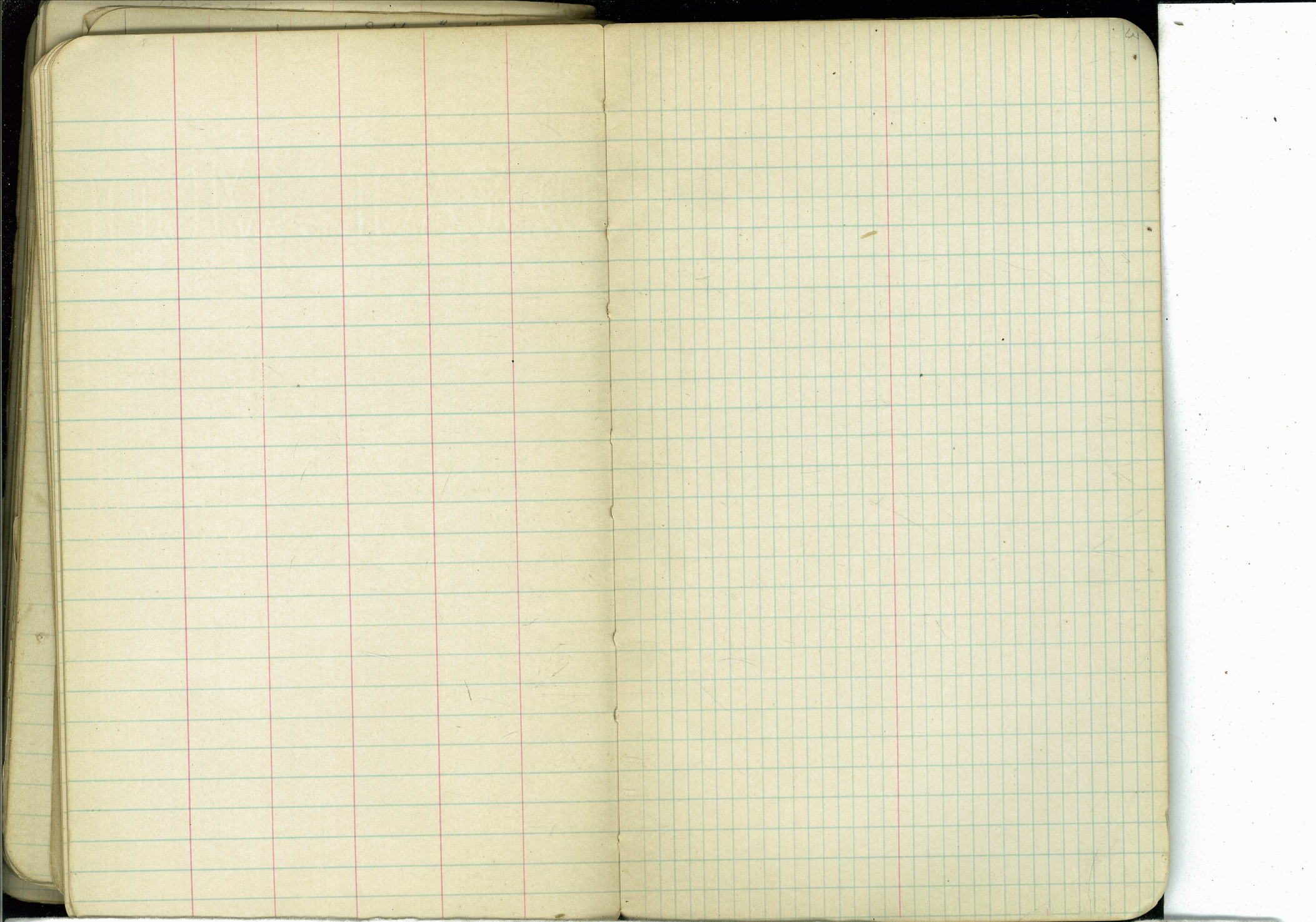


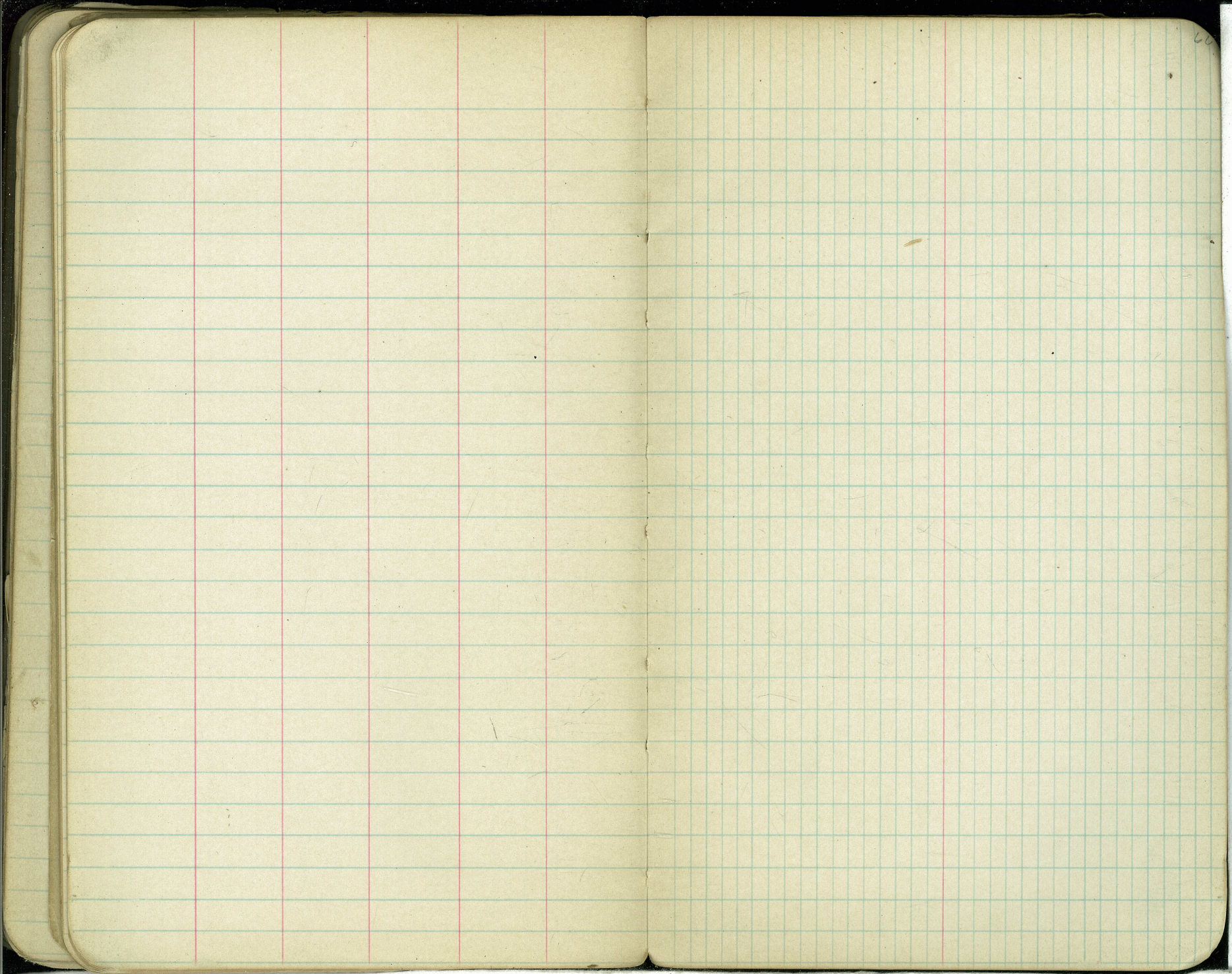


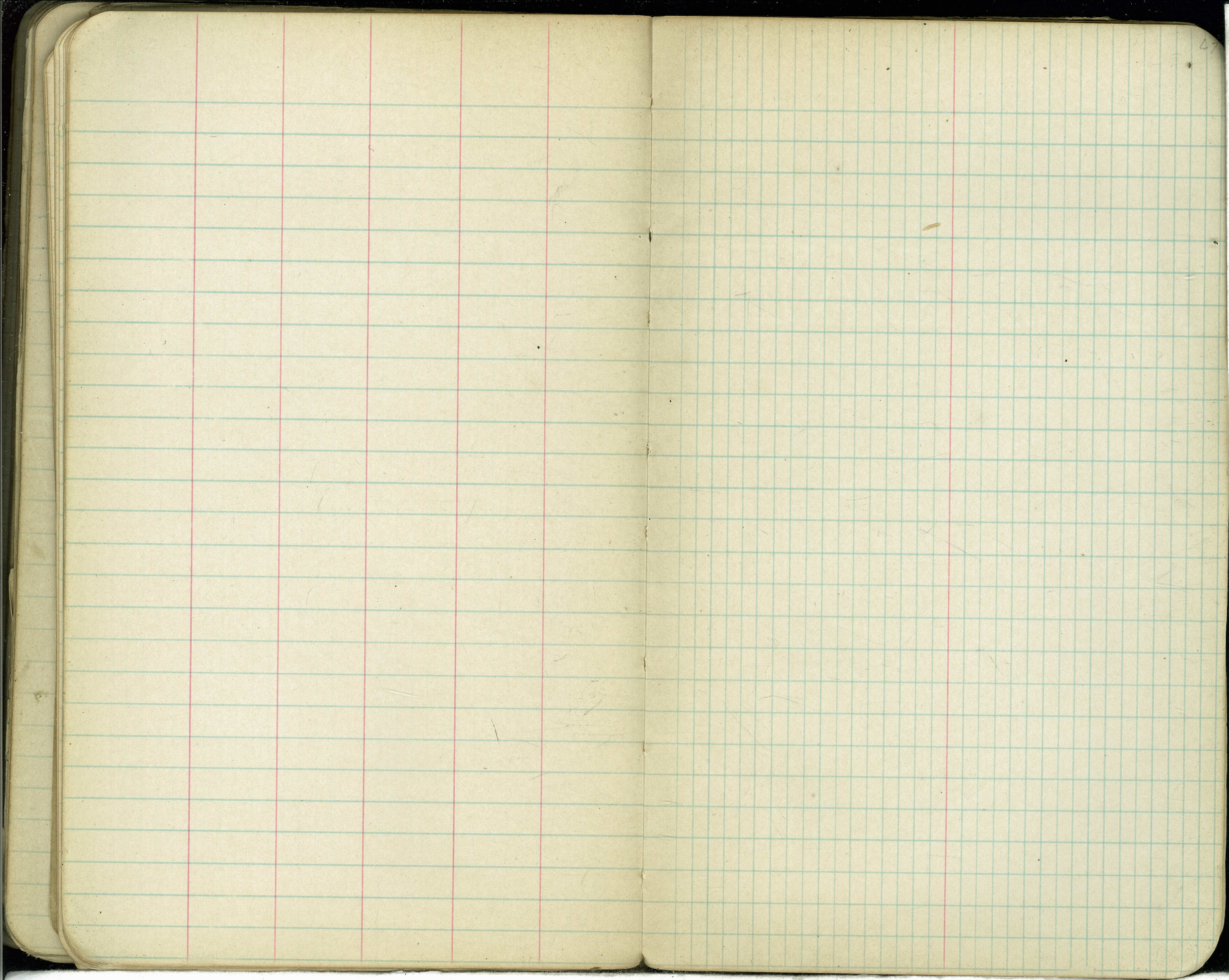


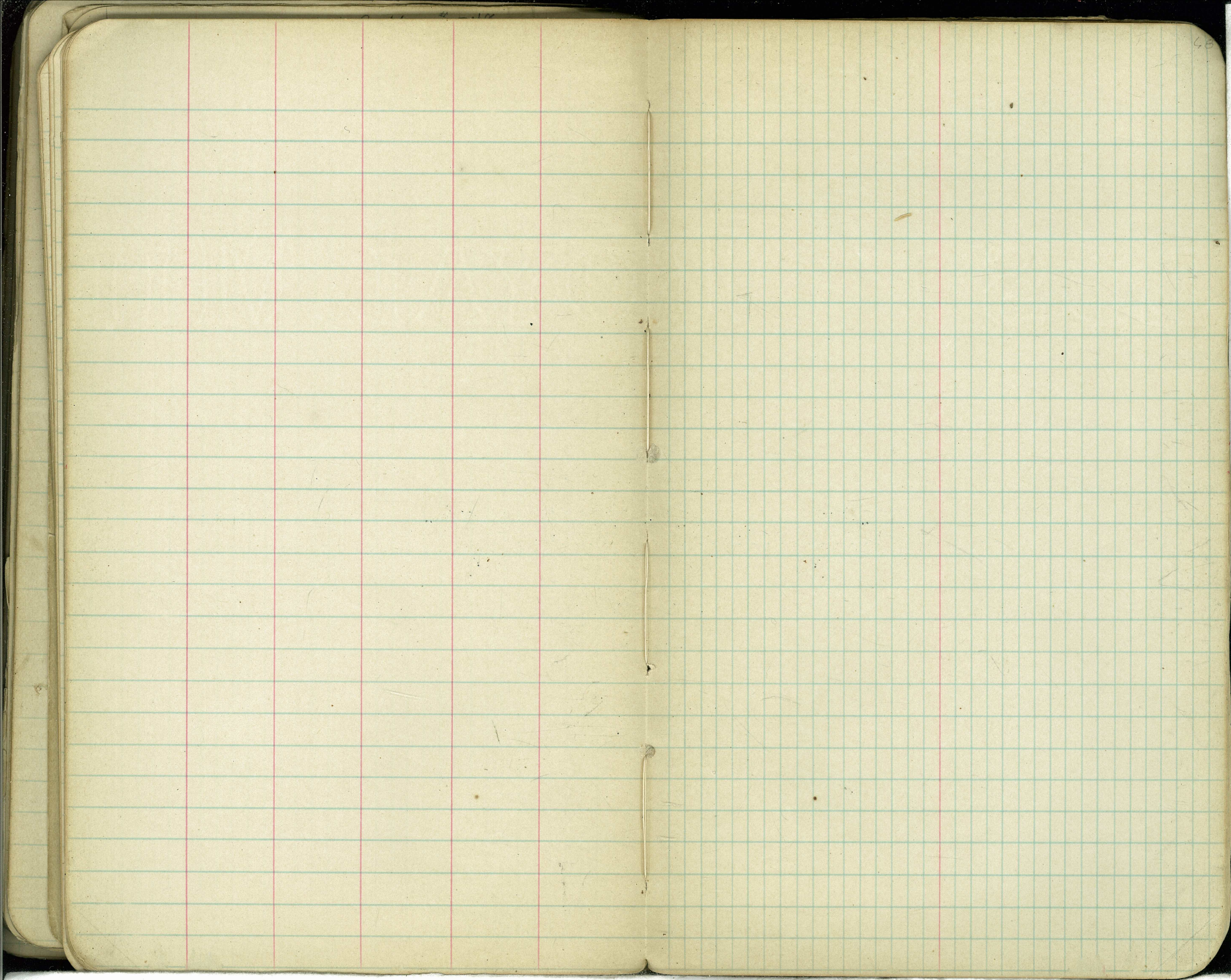












$$11^A \text{ to } 10^A = 254.5 \quad \checkmark$$

$$10^A \text{ to } 10 = 314.5 \quad \checkmark$$

$$10 \text{ to } 9^B = 236.5 \quad \checkmark$$

$$9^B \text{ to } 9^B = 238.4 \quad \checkmark$$

$$9^B \text{ to } 8^A = 242.9 \quad \checkmark$$

$$8^A \text{ to } 8 = 251.0 \quad \checkmark$$

$$8 \text{ to } 7^A = 507.3 \quad \checkmark$$

Log of well # 11^H

27' of fine sand
3' " " " + Boulders
15' of " " " Trace of adobe
18' of good sand & gravel 100'
marked to 100'
12' of low 240 Holes - 49' to 61'
100' well

Log of well # 6^H

20' of fine sand
16' " " " + adobe
8' " " " + ROCK to 5"
1' " Adobe
4' " sand ROCK and Gravel
13' " good sand & Gravel. Rock top
39' " cement sand
100' well

Log of well # 5^H

35' of fine sand
6' " sand & Gravel
1' " Adobe
2' " Adobe & Gravel to 3"
14' " sand & Gravel
3' " fine sand
39' " cement sand
100' well

Andrea Penning } Book 513
to } Page 248.
Emma A. Hoff }

The northern 2.03 acres more or
less of Lot 1 of the subdivision
of lot 32 of the Rancho Mission

Commencing at the most
westerly corner of said lot
32 called the N.E. Cor of Lot 32
thence along the boundary
line of said between said
lots 32 & 34 S 45° W 301.66 ft
more or less to the to the
Northeasterly boundary of
a tract of land owned
by the City of San Diego
thence along said easterly
boundary S 45° E 358.0 ft thence
N 45° E 301.66 ft more or less to
the Easterly boundary of
said Lot 32 thence along
said Easterly Boundary
N 45° W 358.0 ft to place
of commencement

Estimate furnished Whitman
for Drilling Wells & Cleaning
Same on 7-1-16 for Month of
June 1916.

Cleaning Wells 5-1-8- 1 da	72 ⁰⁰
Drilling 4 [#] 1 [#] 7 [#]	442 ²⁰
less 20%	
Total of	\$425.60

Estimate furnished Aug 2-16
for Drilling & Cleaning wells
in July -

Well 8 [#] = 100'	Well 9 = 100'
well 9 [#] = 100'	Well 10 [#] = 100'
well 11 [#] = 100'	
Cleaning out Well #9 1 day	
7-1-16 @ 18 ⁰⁰	
Drilling 5 wells @ 3 ⁰⁰ per ft	8100 ⁰⁰
Less 20%	300
	800 ⁰⁰
Cleaning well #3 to 18 ⁰⁰	18 ⁰⁰
Total	818 ⁰⁰

Final Estimate on Aug 28-16

Drilling Well 5 [#] 100'	= 200.
" " 6 [#] 20'	= 40.
" " 6 [#] 57'	= 114.
" " 6 [#] 100'	= 200.
" " 7 [#] 92'	184.
" " 8 [#] 100'	200.
" " 9 ^B 100'	200.
" " 9 ^A 100'	200.
" " 10 ^A 100'	200.
" " 11 ^B 100'	200.
	<u>\$1738.</u>

Less 20%

	347.60
Cleaning Wells 5 da @ 18 ⁰⁰	90.00
	1390.40
Less Previous Estimate	1243.60
	<u>\$ 236.80</u>

Log of Well 6^A

Abandoned

- 43' of fine sand
- 7' " sand with small pebbles
- 7' " cement sand

Log of Well 7^B

- 12' of sand 4' of sand & gravel
- 13' of sand 2' of adobe
- 4' of sand gravel & adobe 4' of sand
- 3' of sand & gravel 4' of adobe
- 1' of sand gravel & adobe
- 13' of sand & gravel boulders up to 10"
- 4' of coarse sand & gravel
- sheds large Boulder at 64"
- 28' of cement sand - 92' well

Log of Well #9-B

- 27' of fine sand 2' of adobe 3' coarse sand gravel & adobe - 6' of adobe
- 2' of gravel rock to 3" - 4' of silt sand & small pebbles 7' of fine sand & rock
- 9' of good water bearing gravel
- 40' of cement sand - 100' well

Log of Well #8^B

- 42' of fine sand
- 2' " " " & Gravel to 4"
- 1' " adobe
- 10' " coarse sand & gravel to 10"
- 45' " cement sand
- 100' well

Log of Well #9^A

- 30' of fine sand
- 4' " " " & small boulders
- 5' " " " "
- 3' " " " & " " "
- 4' " " " & gravel trace of adobe
- 15' of good sand & gravel rock to 9"
- 33' of cement sand - 100' well

Log of Well 10^A

- 36' of fine sand
- 6' of " " & adobe & boulders 8"
- 3' " " " & "
- 3' " " " & gravel
- 14' " good sand & gravel rock to 10"
- 38' " cement sand
- 100' well

Drilling Wells Mission Valley

Started cleaning out Well #6 on

6-13-16. finished in A.M. of 6-14-16

and moved to well #5. finished cleaning #5

#5 in P.M. of 6-15-16 and moved to

Drill well #5^A. Finished drilling well

5^A on 6-21-16 and moved to drill well

6^A on 6-22-16 commenced drilling P.M.

Drilled to 57' in Gravel. No water abandoned

in P.M. 6-23-16.

Moved to drill well #7^A on 6-24-16.

Drilled to 44'

Moved to clean out well #8 in A.M.

of 6-30-16. Cleaned to 53.5'

Moved to clean out well #9

in A.M. of 7-1-16. one day.

Pulled drill from 7^A and perforated

out 162 Holes from 53' to 63' - P.M.

7-2-16 & 7-3-16.

Started drilling #9B on 7-5-16

finished 7-10-16

40' of 12" 40' of 8" casing

well cleaned from 60 to 80 ft

" " " " " " " "

Well 5^A Drilled 100' 62' of 12" screw

casing and 44' of 8" casing - well

perforated from 50' to 53' 100 perforations

Started drilling 8^A 7-11-16

finished drilling 7-16-16

59' of 12" casing + 23' of 8"

Perforates from 48' to 55' 170

Started drilling well # 97

7-17-16 finished 7-21-16

100' 60' of 12" + 40' of 8" casing

Perforates 200 holes 48' to 58'

Started drilling 10^A 7-22-16

finished 7-26-16

Perforates 400 holes - 48' - 62'

Started drilling well

11^A 7-27-16 finished

8-1-16

Started drilling well # 79

8-3-16 finished 8-17-16

2-17-16

Started drilling well # 6

8-18-16 finished 8-24-16

8-24-16

Started drilling well # 6

on 8-25-16 finished on 8-26-16

drilled to 100'

Moved to perforate well # 57 8-27-16

finished on 8-28-16

Sta. Well # 10^A. 44' to dis- ^{36' well}
working on 21 lbs

Rec # 10
28' to dis - 21' to cac
working on 20 lbs

7- # 9^A
100 # 10' to dis - 29' well
working on 24 lbs

36' to dis - 24' well
working on 26 lbs
8^A

46' to dis - 34 well
working on 21 lbs
8

8- 27' to dis - 18' to well
working on 19 lbs
7^A

24' to dis - 17 to well
working on 20 lbs
6

38' to dis - 31 well
working on 24 lbs
5^A

44' to dis 37 well
working on 15 lbs

Well # 5
34' to dis - 27 to well
working on 21 lbs

20 Pipe

30

6 N. of Bell

*

11

~~11~~

Wells

Notes on Mission Valley

11