

Potosi to Halleck V.  
1848

Cupboard 27  
Shelf 3  
No. 5  
1 book

# RECONNAISSANCE.

Book No. 7.

EDWARD DENNY & CO.  
STATIONERS,  
Account Books Bound and  
Printed to order,  
512 SACRAMENTO ST.  
Bet Sansome & Leideadorf  
SAN FRANCISCO.

1854

11

1854



Hamel

No. 7

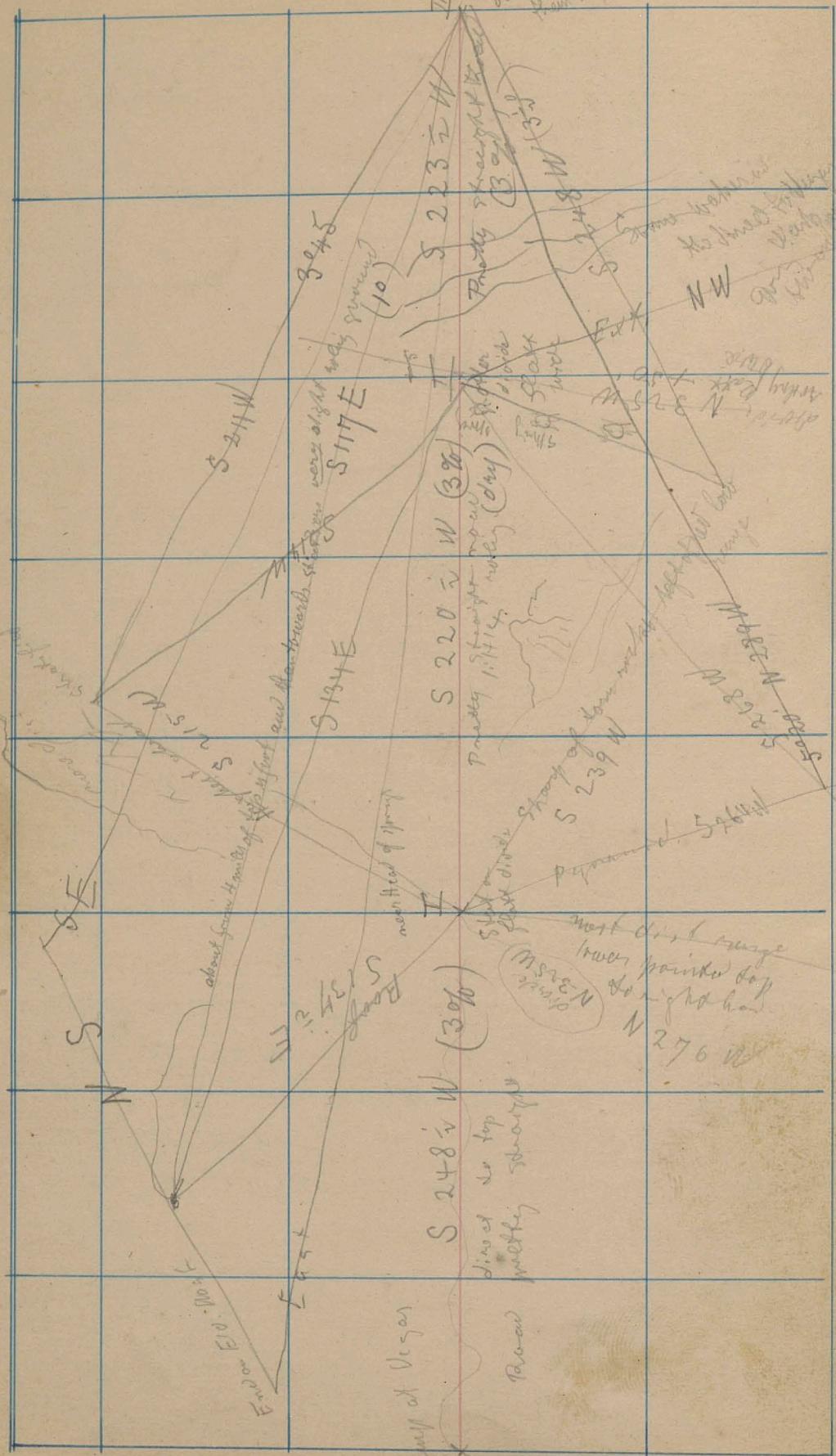
Surveys for  
Military Defences  
Military Dep't  
of  
California

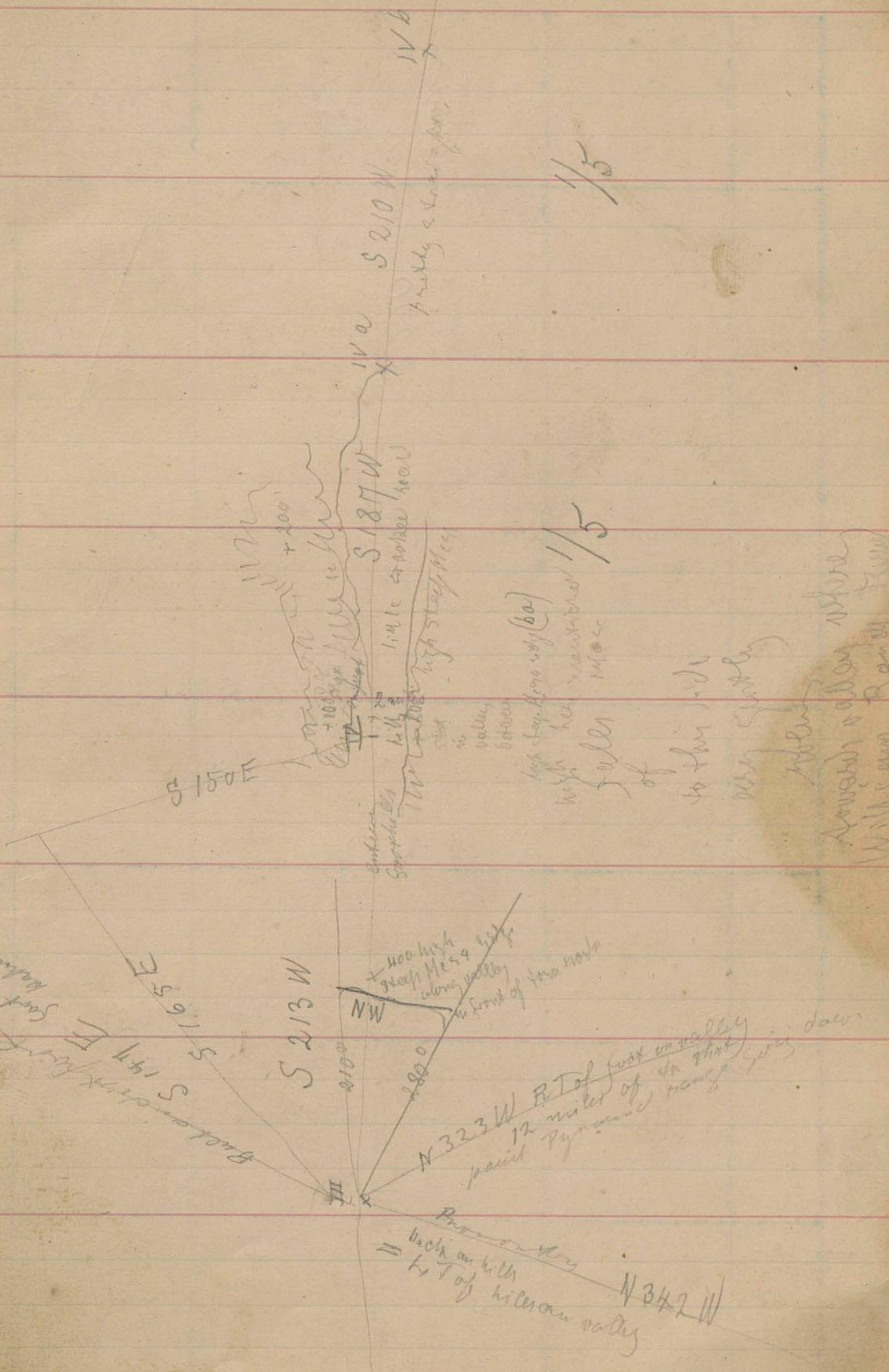
Geo Wheeler  
Lt Engineer

1869

Book No 10

Iron rocks via range behind ground





304° 58  
291° 14

180 44  
10 47  
15 031

16 S 199 W 91

3/5  
5%

on additional  
bank (loc) N 350 W  
1 mile to foot of  
high mesa  
+ 1000' - 800'

offset + 180'

S 208 W  
Partly overbed  
8%

8%

S 220 W

Camp I  
169 29 West

Cathlamet  
Grading

NS  
1000' + 1000'  
NS  
1000' + 1000'  
NS  
1000' + 1000'

S 125 E  
S 115 E  
S 115 E  
S 115 E  
S 115 E  
S 115 E

S 100 E  
S 100 E  
S 100 E

+ 500'  
+ 500'  
+ 500'

SW  
Trench

West  
NW 500' to low  
150' to high  
then steep cliff

NS  
1000' + 1000'

NS  
1000' + 1000'

on steep feet of corn rocky  
wide round valley

This ridge seems to be a  
normal fault by a deep  
+800'   
S 161 E  
+1000 ft up with  
drop 3/4 up before the  
mountain to the  
gully down  
starts  
S 175 E  
gully up a hill  
of about 1/2 mi  
the more range  
about 3/4 mile as it  
normal foot of low  
1 mile  
W 1/2 S 1/2  
foot of low  
+600'

145  
S 175 E  
145  
S 175 E

S 171 1/2 E  
Road goes down hill

N 60 E  
on point of hill  
drainage

S 212 W  
Road to Will. and Paul

Camp I  
N 274 W  
Hills  
150'

Road through pretty wide  
flat valley  
Hills  
+800'

Very crooked  
Quite steep toward  
valley up hills  
+700'

low valley low to low  
Rocky ridge  
N 310 W

N 300 W  
1/2 mile to  
foot of corn  
+1500'  
Low valley  
N 334 W  
5 miles to high point

W 1/2 S 1/2  
foot of low  
+600'  
about  
N.W.-S.E.  
1 mile  
W 1/2 S 1/2  
low ridge  
has open springs  
on foot of mountain range  
sub of

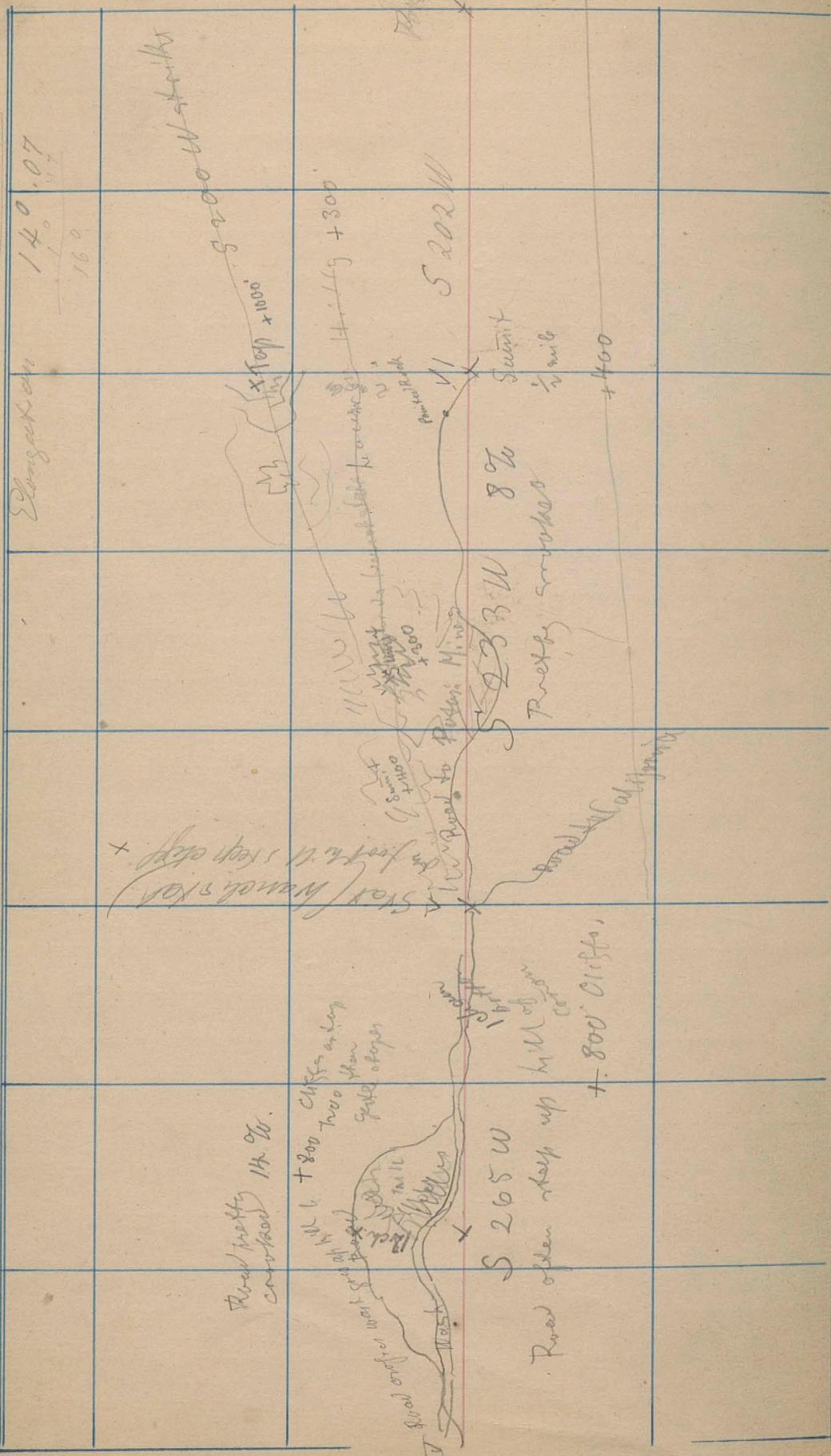
low ridge  
has open springs  
on foot of mountain range  
sub of

N 300 W  
5 miles to high point

N 334 W  
5 miles to high point

Palmer Mines

220° 57  
206° 36



Longitude

140° 07  
160

Star Ranch 9/10  
+ steep slope

Road pretty car-road 1/4 to 2/3

+ 800' Cliffs on top two from gold ore

S 265 W

Road open steep up hill of road + 800' Cliffs,

N.W. 1/4  
S 233 W  
Pretty smooth

Road to Palmer Mine

S 233 W

8%  
S 202 W

S 140 07  
S 160

5200 W strike

X Top x 1000

Hilly + 300

S 202 W

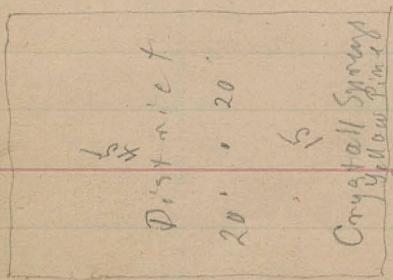
Painted Rock

Palmer

The name Polaris has been changed.

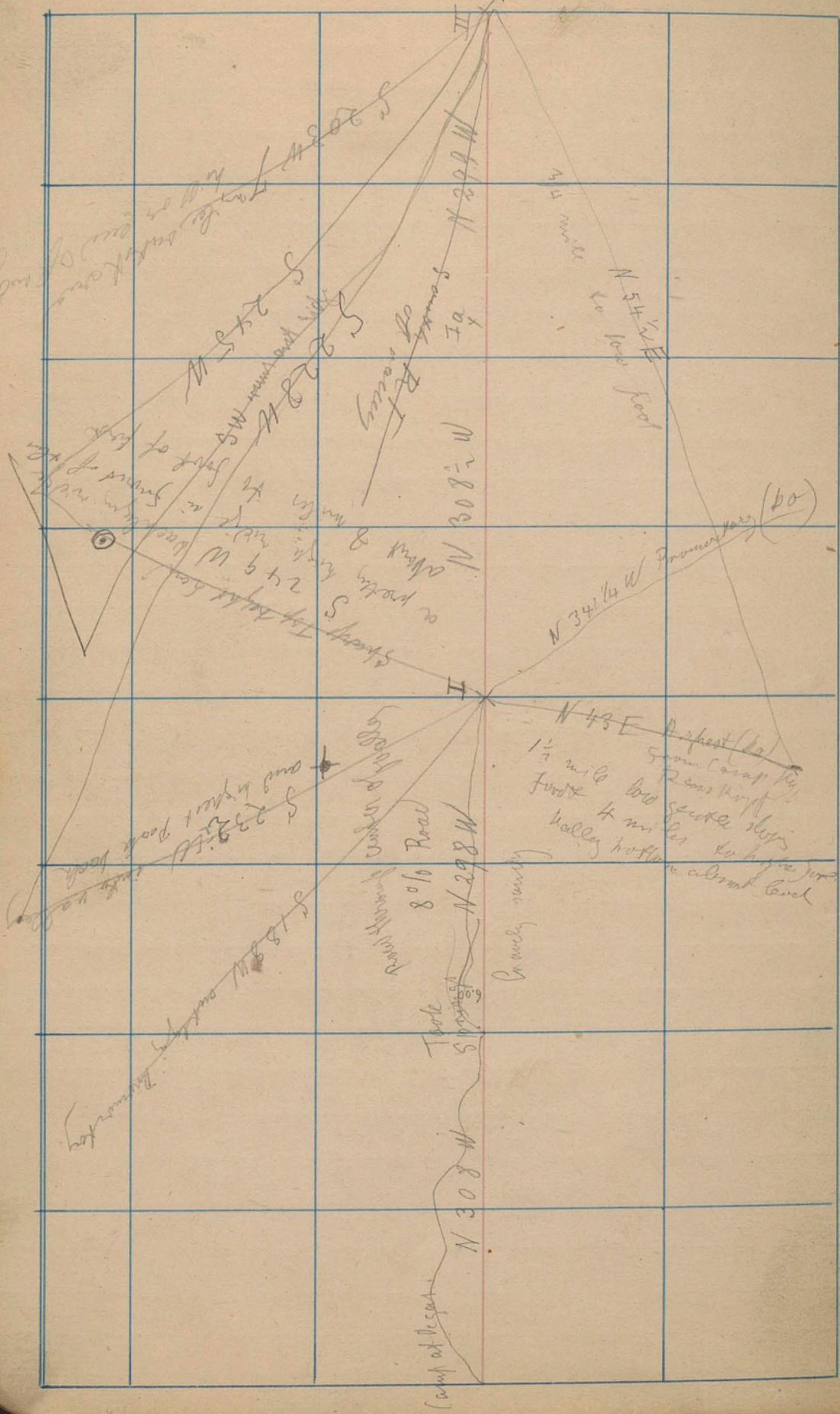
North

East



W

South



From the south corner of ridge

N 54 1/2 E  
to road

Imperial  
Ia  
Ia

Street  
S 24 1/2 W  
about 8 miles  
to junction of  
S 24 1/2 W  
with  
S 24 1/2 W

N 34 1/4 W  
to  
(60)

N 48 E  
A great (60)  
from Camp to  
Rear high  
1 1/2 mile low grade slope  
4 miles to high  
valley to  
about level

S 23 1/2 W  
and highest peak  
to  
to  
to

8 1/2 Road  
Barley nearly

S 18 1/2 W  
to  
to  
to

Camp at desert  
N 30 1/2 W  
S  
N 29 1/2 W

Elongation 13056  
1.0.47  
15.0.43

N 288 W  
N 226 W  
N 226 W

Plan  
N 288 W  
N 226 W  
N 226 W  
N 226 W

Cash at Corn Creek on lower foothills

N 47 E 3 miles high foot  
N 27 E 5 miles high foot  
N 65 E 5 miles high foot  
N 40 E 10 miles high foot

S 210 W  
N 302 W  
N 302 W

10 miles of ...

Point observed across ...  
N 31 W  
S 100 E R T of high foot

N 38 E ...  
N 47 E Gap  
N 47 E Gap

S 205 W  
N 301 W  
N 301 W  
N 301 W

10% River ...  
N 301 W  
N 301 W  
N 301 W

N 58 E  
N 58 E  
N 58 E  
N 58 E

15 m ...

N 55 E  
N 55 E  
N 55 E



from this ridge pretty quite of slope down out of it toward E and N  
ridge small fragment and edges

from this ridge  
S 235 W  
Left corner of top of ridge  
N 231 W  
N 235 W  
N 231 W  
N 235 W

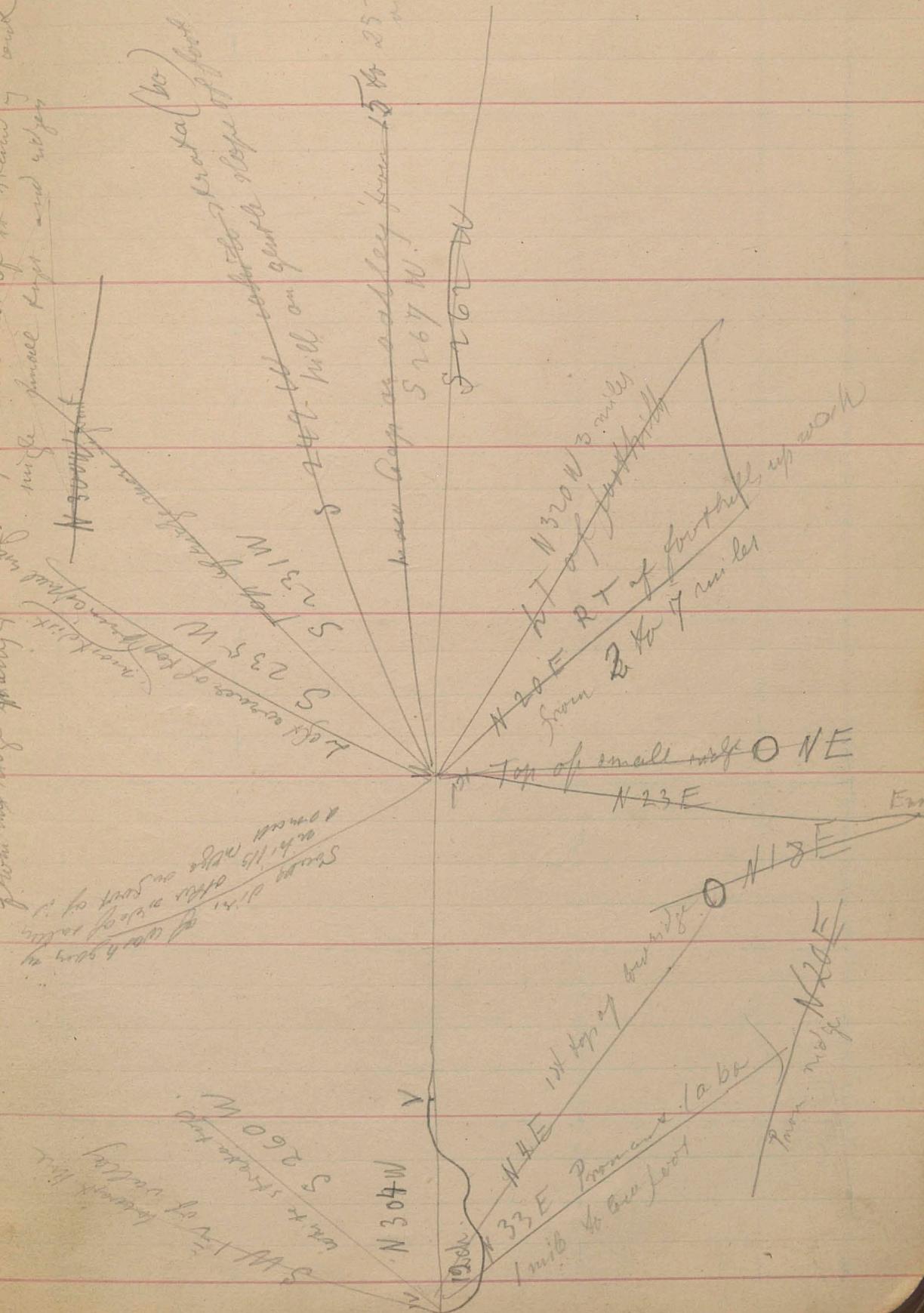
N 300 W  
S 244 W  
N 231 W  
N 235 W

low deep valley from 15 to 25 miles  
S 267 W  
N 269 W

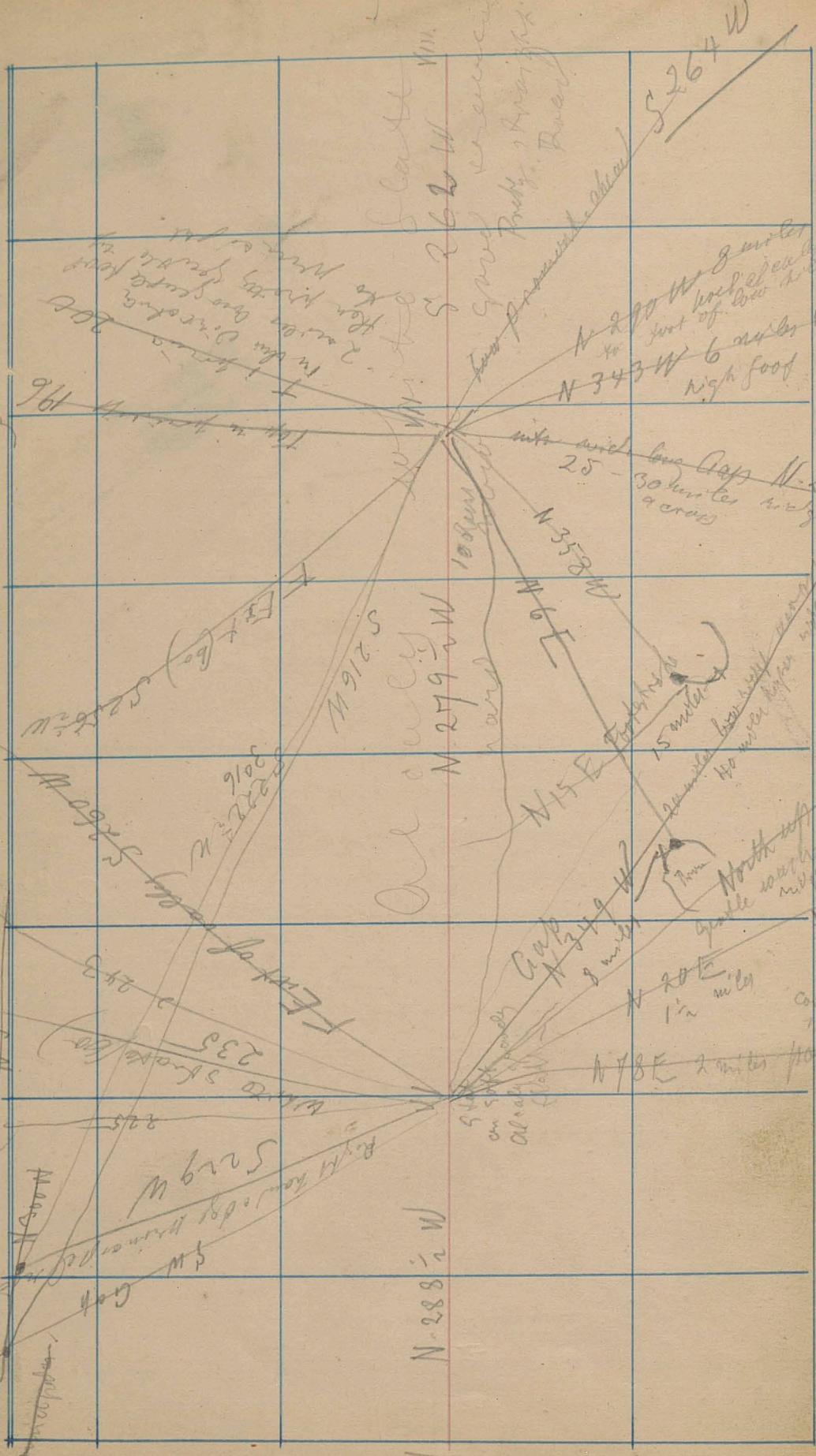
N 20 E RT of foot  
from 2 to 7 miles  
N 320 W 3 miles  
Top of small ridge  
N 23 E

S 260 W  
N 304 W  
S 260 W  
N 304 W

N 33 E  
N 4 E  
N 18 E  
N 20 E  
N 23 E  
N 26 E  
N 30 E  
N 33 E  
N 36 E  
N 39 E  
N 42 E  
N 45 E  
N 48 E  
N 51 E  
N 54 E  
N 57 E  
N 60 E  
N 63 E  
N 66 E  
N 69 E  
N 72 E  
N 75 E  
N 78 E  
N 81 E  
N 84 E  
N 87 E  
N 90 E  
N 93 E  
N 96 E  
N 99 E  
E



Principal ridge marked outline. Gaps and high 197



In the direction of the river and south of the river bridge  
2 miles and south of the river bridge  
to the river bridge  
to the river bridge

Two good drainage paths, straight  
Two good drainage paths, straight  
Two good drainage paths, straight

into and low gaps N. 9. E  
25-30 miles wide across  
N 358 W  
N 200 W 8 miles  
N 343 W 6 miles  
high foot

1080m  
N 279 1/2 W  
N 15 E  
15 miles  
40 miles high ridge  
Cub 2 1/2 miles  
1 1/2 miles  
2 miles

North up grade south 18 miles wide across  
1 1/2 miles  
2 miles  
point

East (60) S 260 W  
West (30) E 243 W  
235  
225  
N 288 1/2 W  
N 279 1/2 W  
N 15 E  
N 20 E  
N 78 E

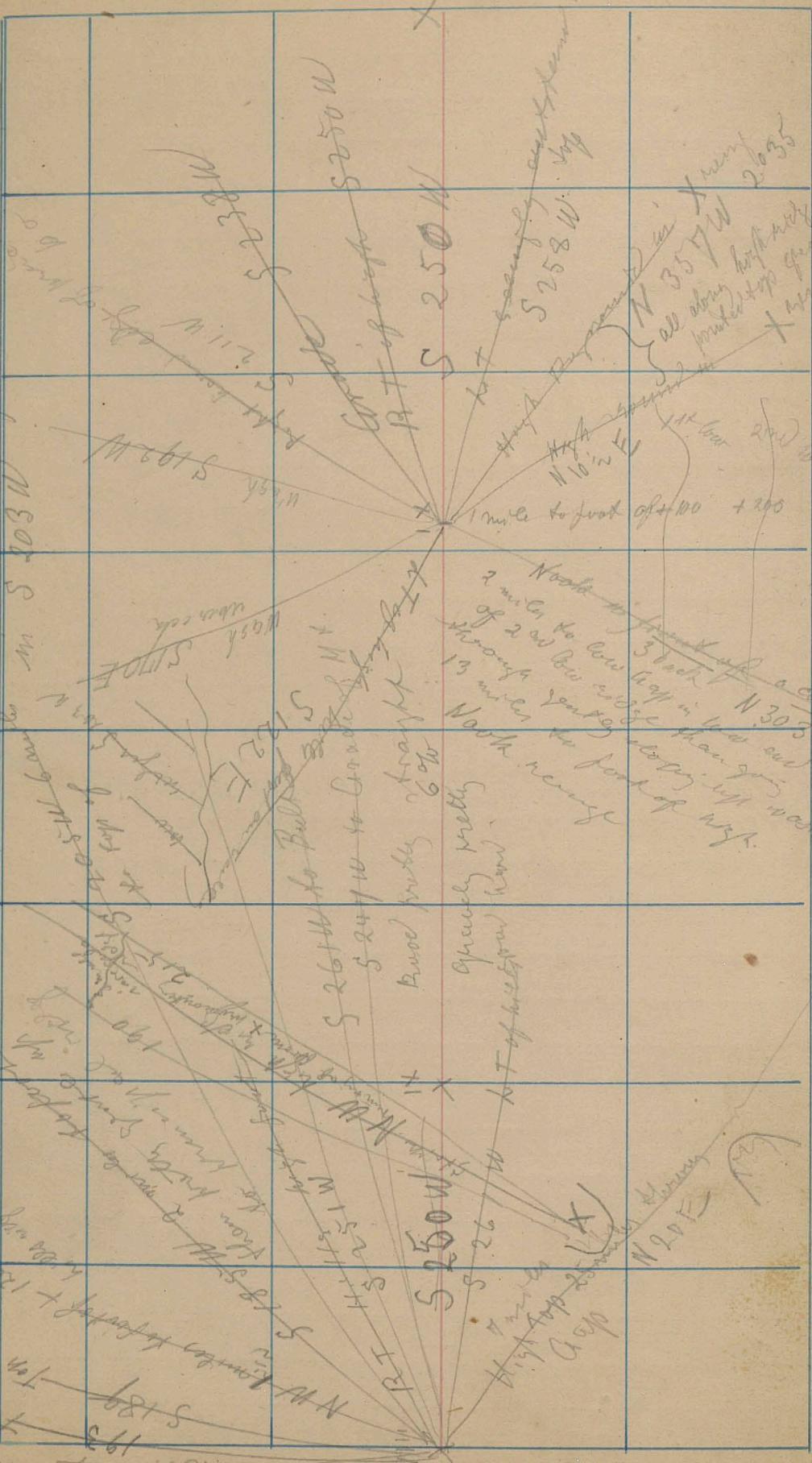
14 1/2 miles 30/16

Right hand side  
distance from VII

0.0568
<u>14</u>
284
2272
<u>568</u>
68236
<u>5180</u>
10560
<u>4240</u>
430960
<u>2300</u>
4129

~~VIII N 35 3/4 W  
 VII N 33 3/4 W  
 IX~~

On southern side of valley but ridge  
between would come down to valley



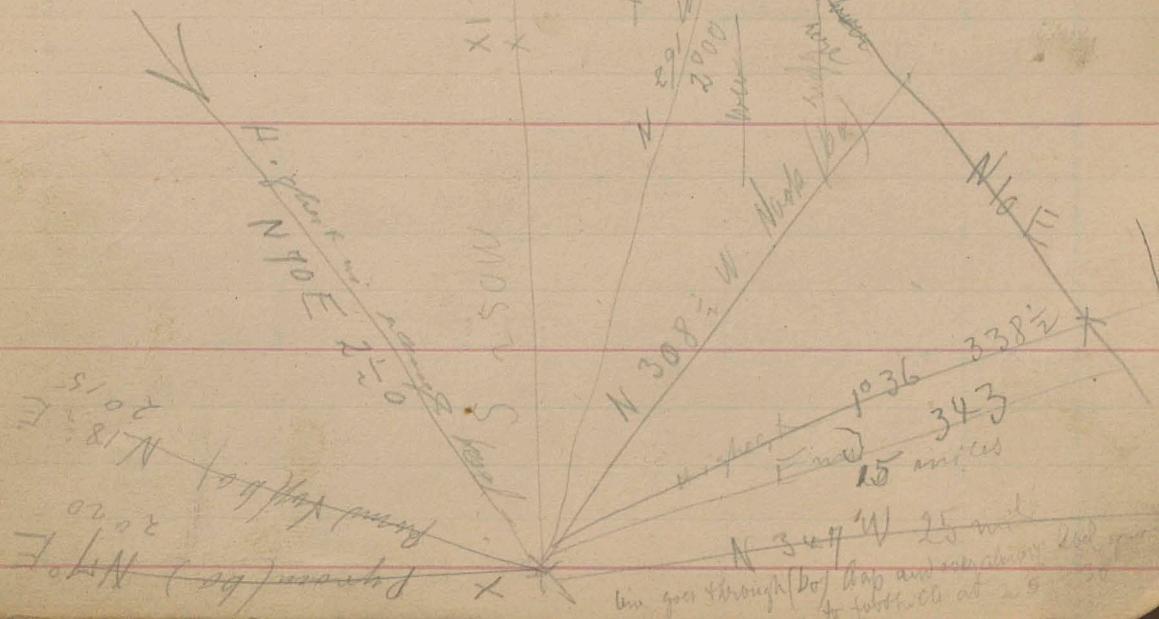
S 203 N  
S 211 W  
S 192 W  
S 250 W  
S 258 W  
S 266 W  
S 255 W  
S 266 W to Bull  
S 247 W to Grand  
Good pretty Cow  
Sparsely pretty  
Wash STROPE  
Wash Ubcach  
N 10 in E  
N 35 1/2 W  
all along high next  
marked top of  
1 mile to foot of +100 +200  
North of  
2 miles to low  
of 2 ad low ridge  
13 miles to foot of  
North reverse  
3 lock  
N 30 S W  
low  
top of wash

185. not set off. top  
Tom on the  
S 189  
193  
S 26 W to  
From  
From  
S 26 W to Bull  
S 247 W to Grand  
S 266 W to Bull  
S 247 W to Grand

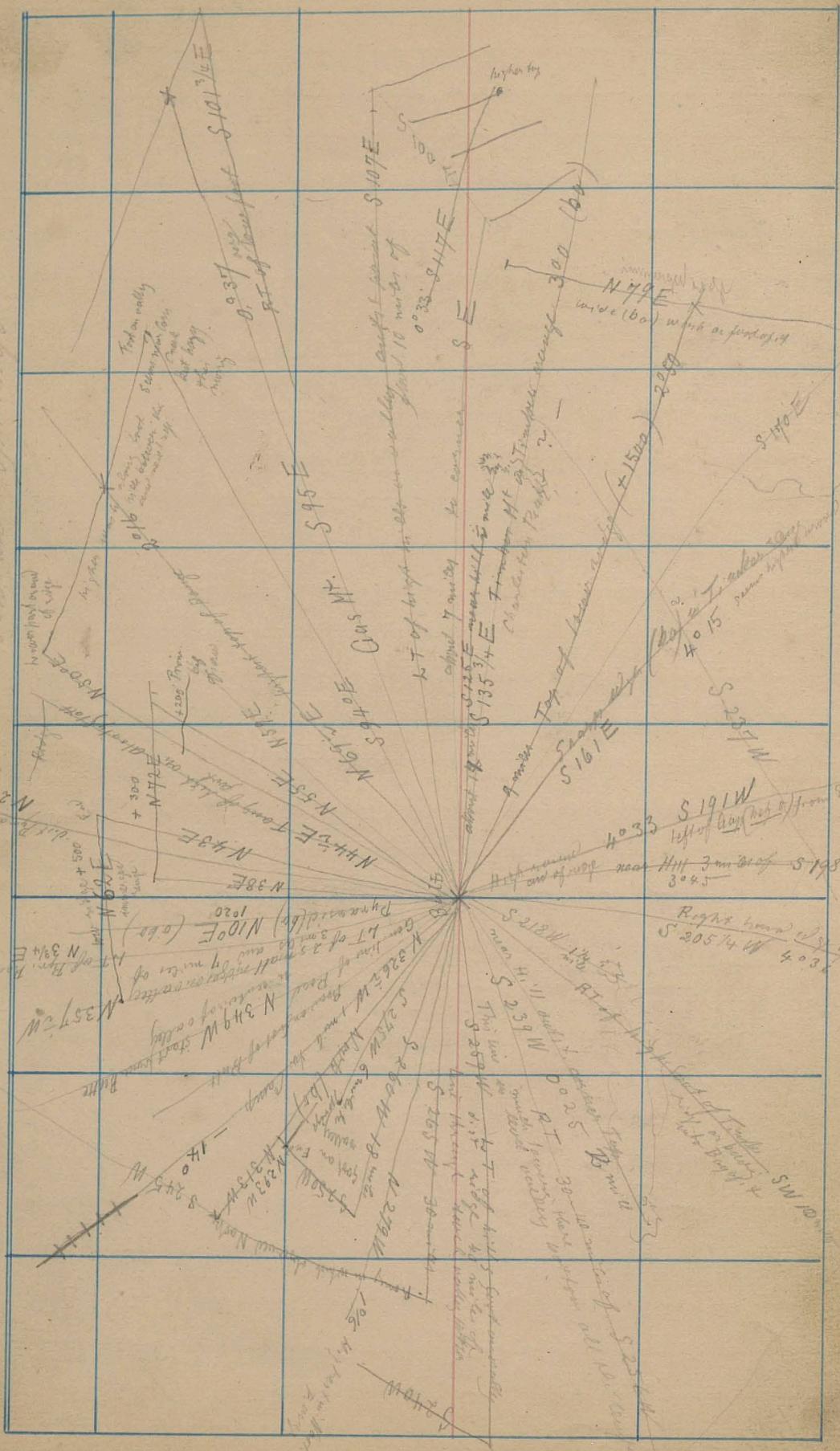
S 26 W  
S 250 W  
S 255 W  
S 266 W  
N 20 E  
High top  
Gap  
N 20 E



Camp at Indian Springs



Observations from Butte above Camp in Indian country



2000 { Running up slope of Cay ...  
 3522  
 7735 }  
 7170

0.78702  
 0.80165  
 58867

0.719433  
 5238

2354640  
 158266  
 397125  
 4194052.0  
 37726  
 0.080

8376  
 211  
 3587

0.052  
 1  
 0.1362

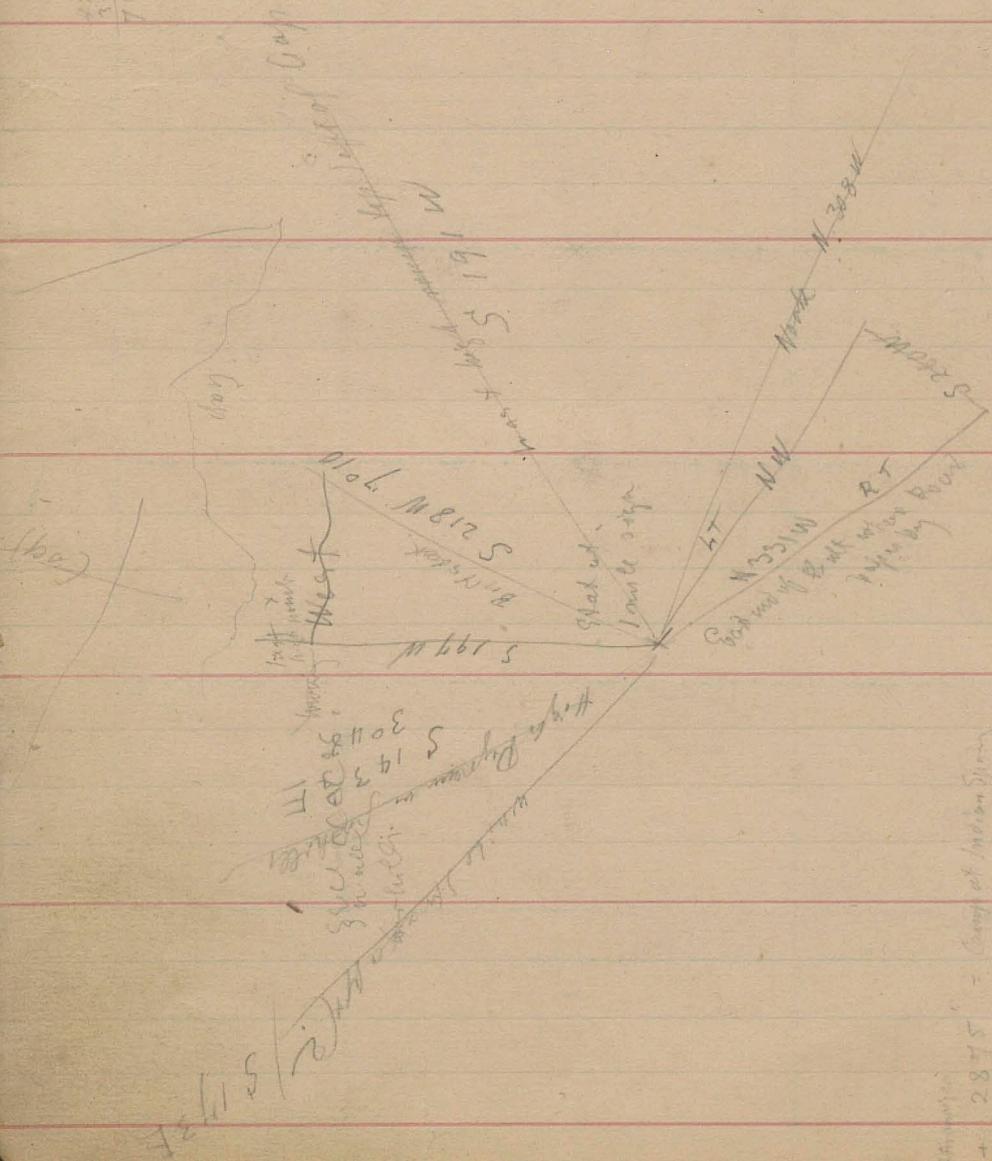
7 miles 30  
 18 1/2 miles 30

0.092  
 10 1/2

0.920  
 26  
 0.546

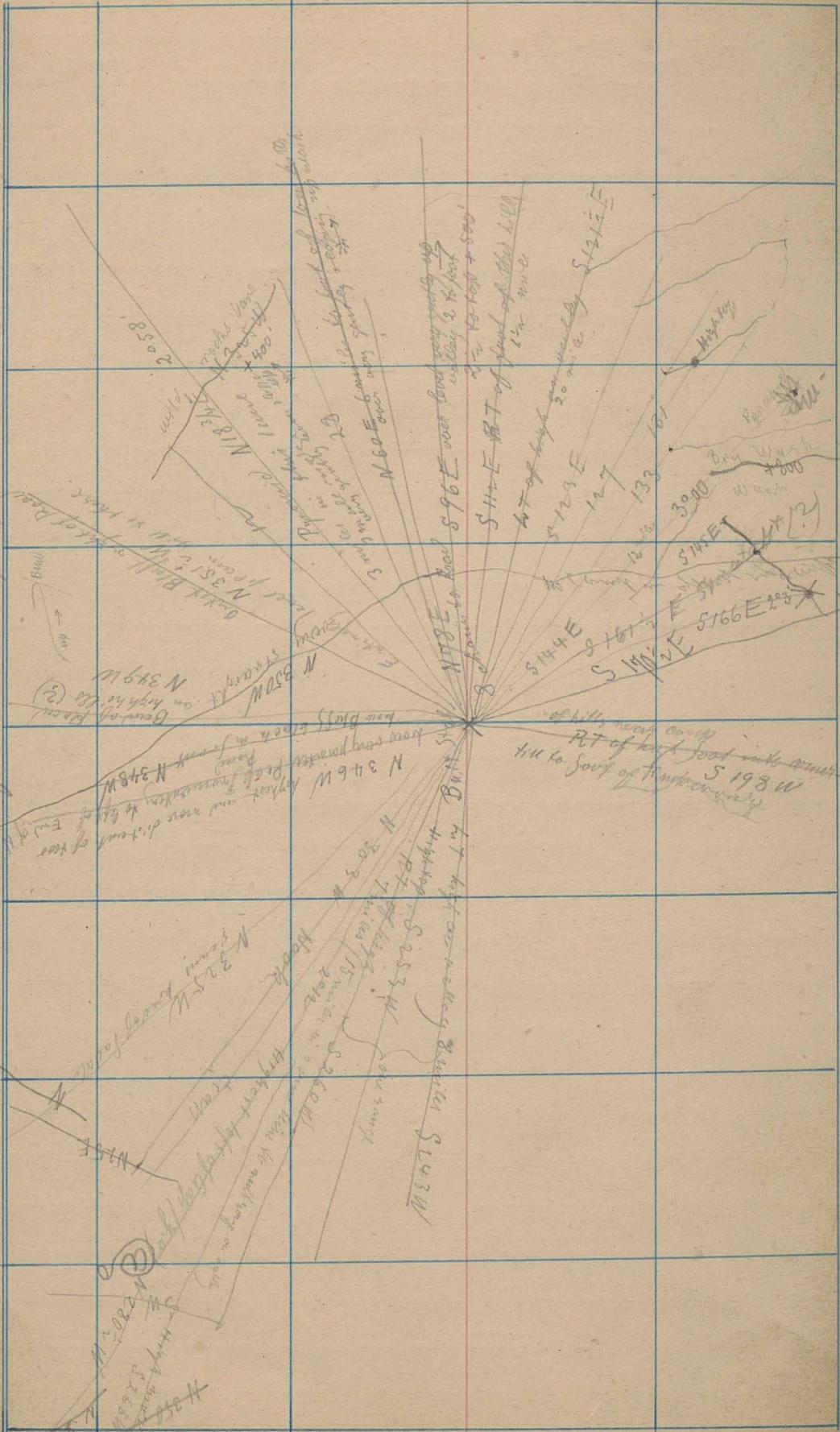
1470  
 1113  
 1573  
 250  
 1840

2640  
 740  
 2980  
 740



2875 = Camp at Indian Spring  
 2875

Observation from Bull about 3 miles to West of Look-on Camp (All such same as Camp)



S 149 3/4 E  
2938

S 161 3/4 E  
3048

S 160 1/2 E

S 170 E

S 174 1/2 E  
3086

4073  
S 180 E  
51890

S 180 1/2 N  
4002

S 190 1/2 W  
S 200 W  
Height of Cap  
2030

S 194 1/2 W  
3097

S 207 W

X Top above Camp  
Obs. Part of  
spine

S 207 W  
Summit 1 mile West South of Base on Ridge towards Camp

S 207 W

S 210 W

dist and first mass connected behind  
2nd tip

Summit (shown)

1st

2nd

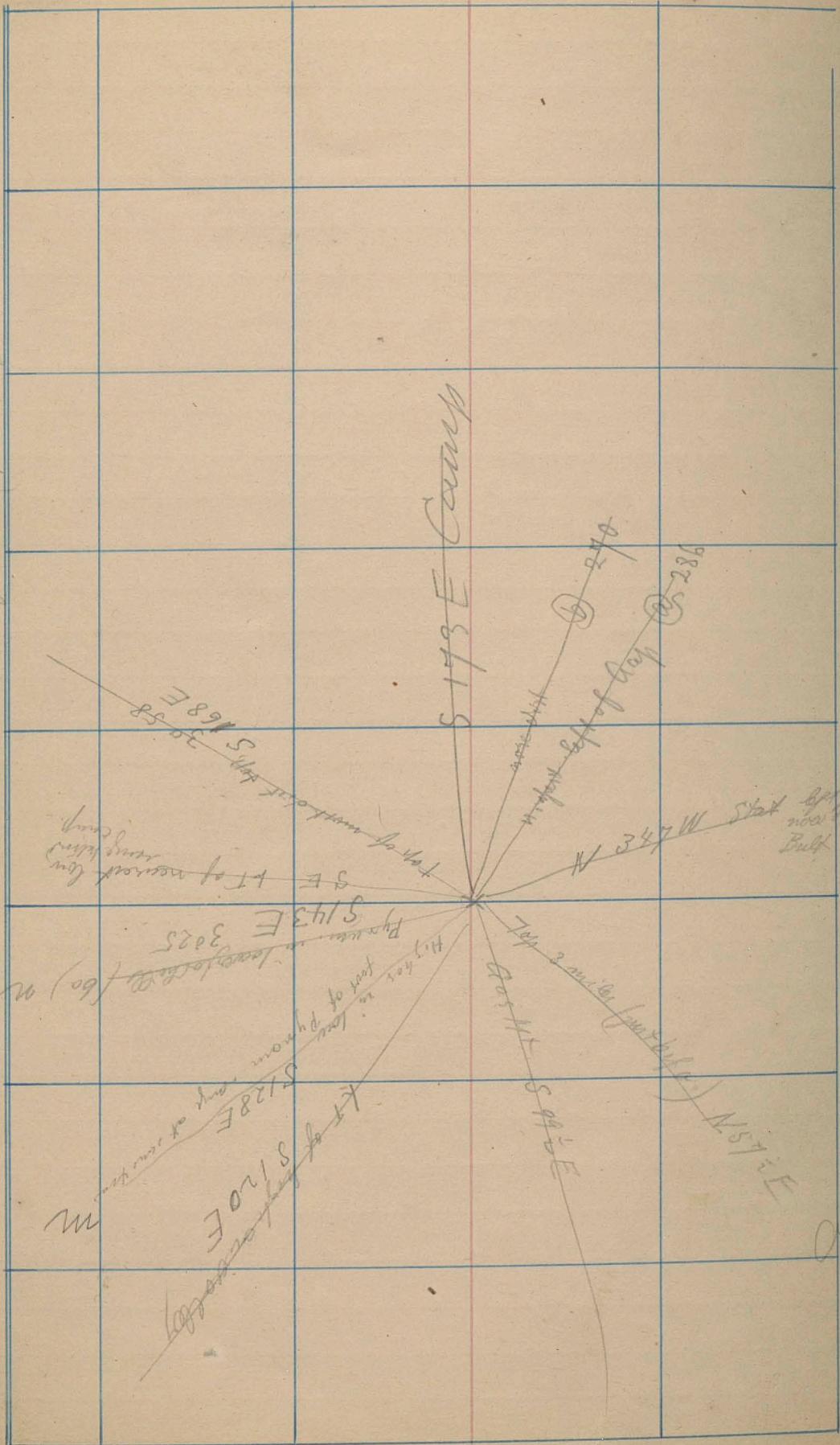
3

4

Summit  
shown

Observation and Summit  
Summit located on ridge with

Stat 1 mile South of Bull (see page) on Road





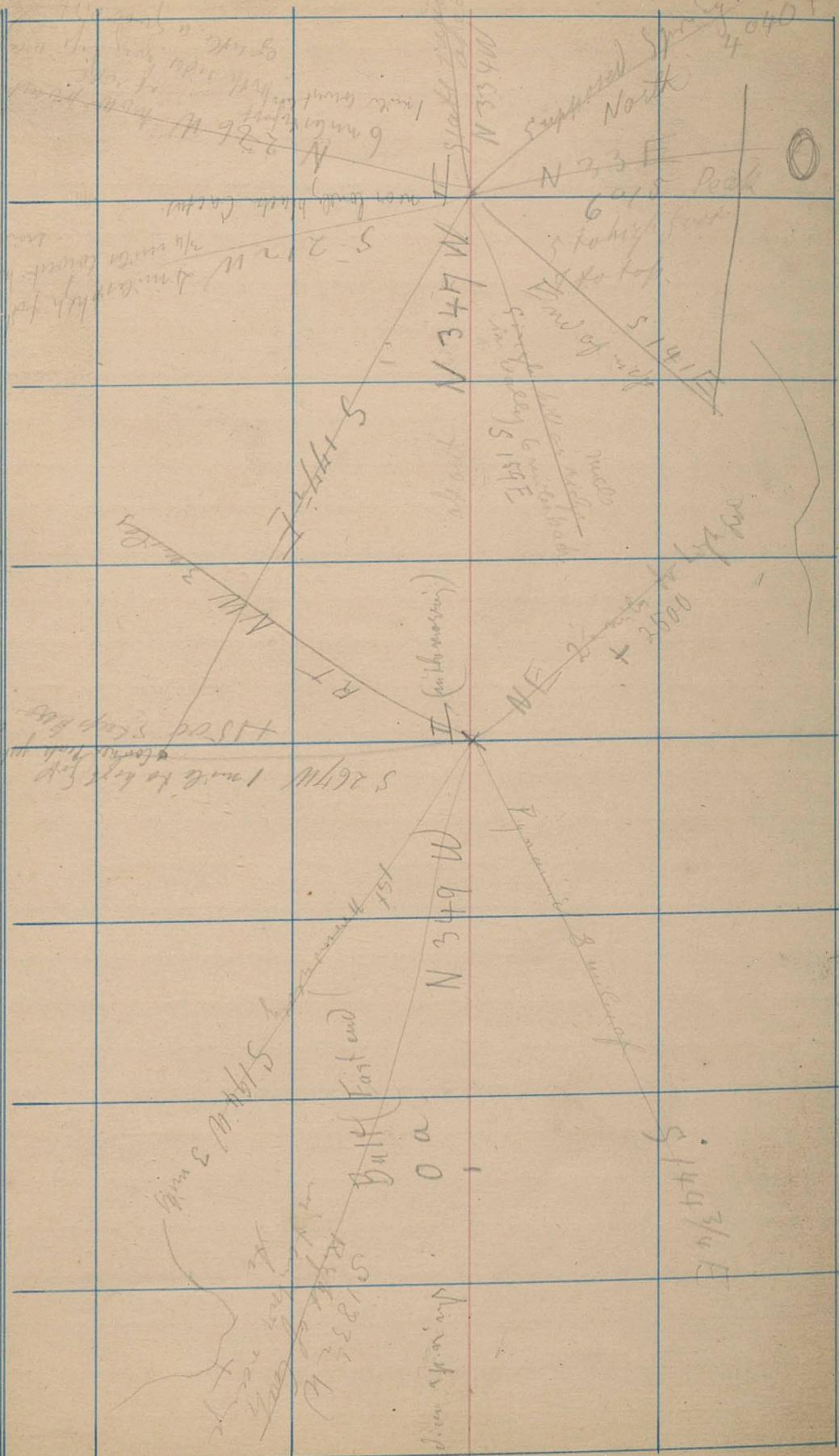
Start at 1/2 mile same line

m S 126 E  
n S 141 E  
o S 208 W

Station 2 miles

m S 123  
n 140  
o N 33 E

Saw white line (marker) on foot of hill not level



supposed Spring Mt  
4040 ft

North

N 23° E  
6015 Rock

from top of Mt  
5 to top of  
S 14 1/4° E  
circled  
S 15° E  
maps  
all the  
shades

I (with mirror)

N 34° E  
+  
0058  
2500

N 34° W

S 14 3/4° E

Dip 18 3/4 W

Bull Hill East end

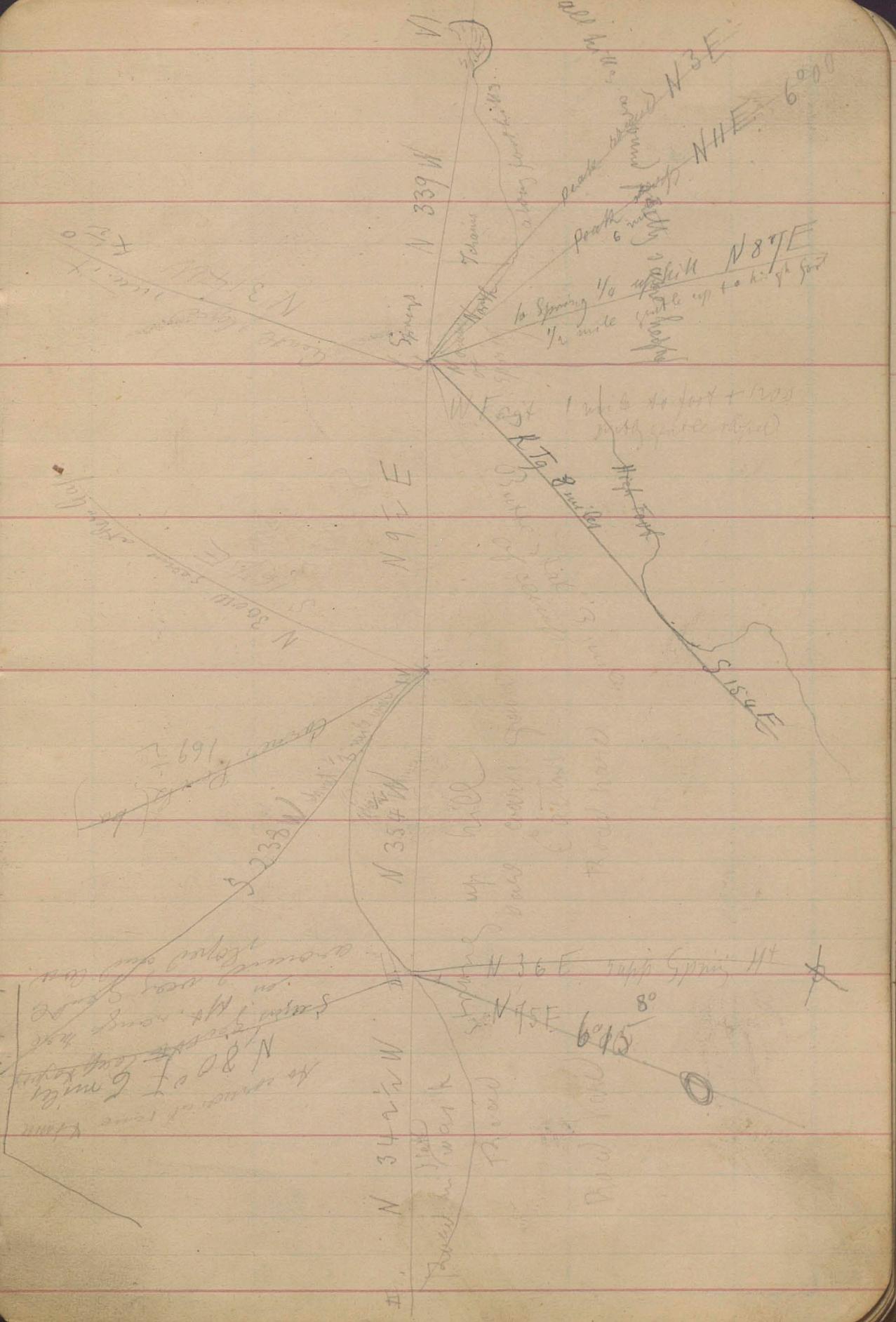
S 14 1/4° W 3 miles

S 18 3/4° W

S 22° W  
Dip 18 3/4 W  
3/4 mile  
to  
the  
top

S 26° W  
1 mile to top  
of  
I  
11500  
scop  
for

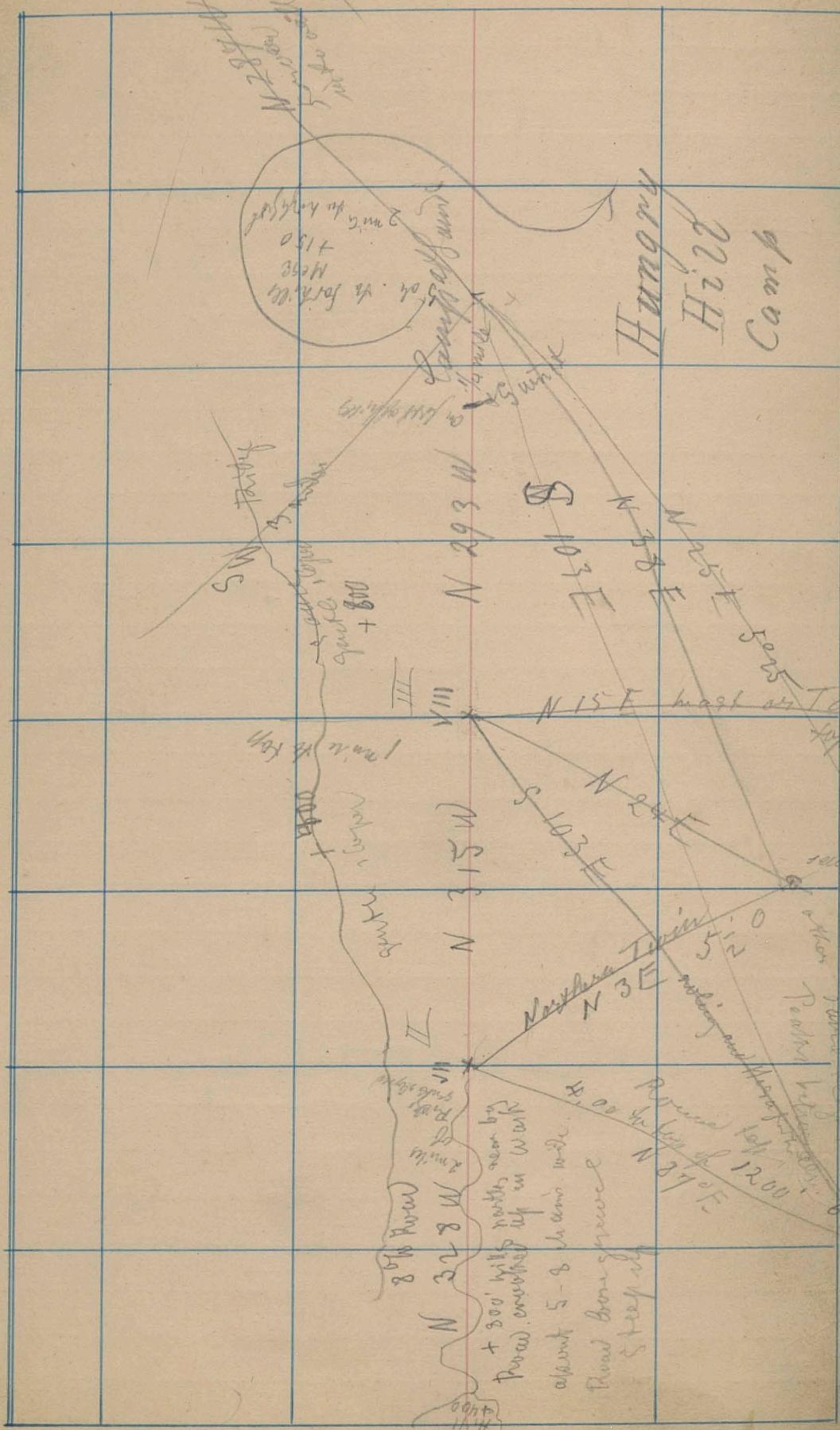
N 34° E  
6 miles  
to  
the  
top  
of  
the  
mountain  
with  
the  
side  
of  
the  
mountain  
grate  
a  
spring



N 31 1/2 W  
 N 31 1/2 E  
 N 30 1/2 E  
 N 91 E  
 N 354 W  
 N 34 1/2 W  
 N 36 E  
 N 45 E  
 N 80 E  
 N 31 1/2 W  
 N 30 1/2 E  
 N 87 E  
 6000  
 6045  
 80  
 O

N 31 1/2 W  
 N 31 1/2 E  
 N 30 1/2 E  
 N 91 E  
 N 354 W  
 N 34 1/2 W  
 N 36 E  
 N 45 E  
 N 80 E  
 N 31 1/2 W  
 N 30 1/2 E  
 N 87 E  
 6000  
 6045  
 80  
 O

N 31 1/2 W  
 N 31 1/2 E  
 N 30 1/2 E  
 N 91 E  
 N 354 W  
 N 34 1/2 W  
 N 36 E  
 N 45 E  
 N 80 E  
 N 31 1/2 W  
 N 30 1/2 E  
 N 87 E  
 6000  
 6045  
 80  
 O



at the fork of the road  
1/2 mile to the N.W.  
150'

Hungry Hill Camp

Sawyer's point

SW Taddy

N 293 W

S 103 E

N 58 E

N 55 E

N 15 E west of Tanager's

N 24 E

Neyassa Trench  
N 3 E

N 315 W

N 328 W

Row Bone-grace  
steeply

800' Row  
+ 300' will north near by  
Row, covered up in wash  
about 5-8 in diam. wide.

Row Bone-grace  
steeply  
N 87 E  
1200'

1 mile to the SW  
quite open  
+ 800'

see from Camp

Row Bone-grace  
steeply  
600'

N 328 W

NG  
seems  
lake  
not  
minor  
NG

ridge  
to dip  
to dip  
Small ridge  
700  
+ 900

5.25 mi  
5 mi  
+ 500  
5 mi  
5 mi

Capitol of valley

an  
hilly  
Mesc

East Tunn

Peak to right  
N 8 E

South  
2 mi  
N 293 W

Timpanog  
N 337 W  
1 mi to level  
N 293 W

1/2 mi  
given  
in 2 parts

NE 1 1/2 mi  
1 1/2 mi  
+ 500

N 316 W  
Bolin  
hills  
on  
Mesc

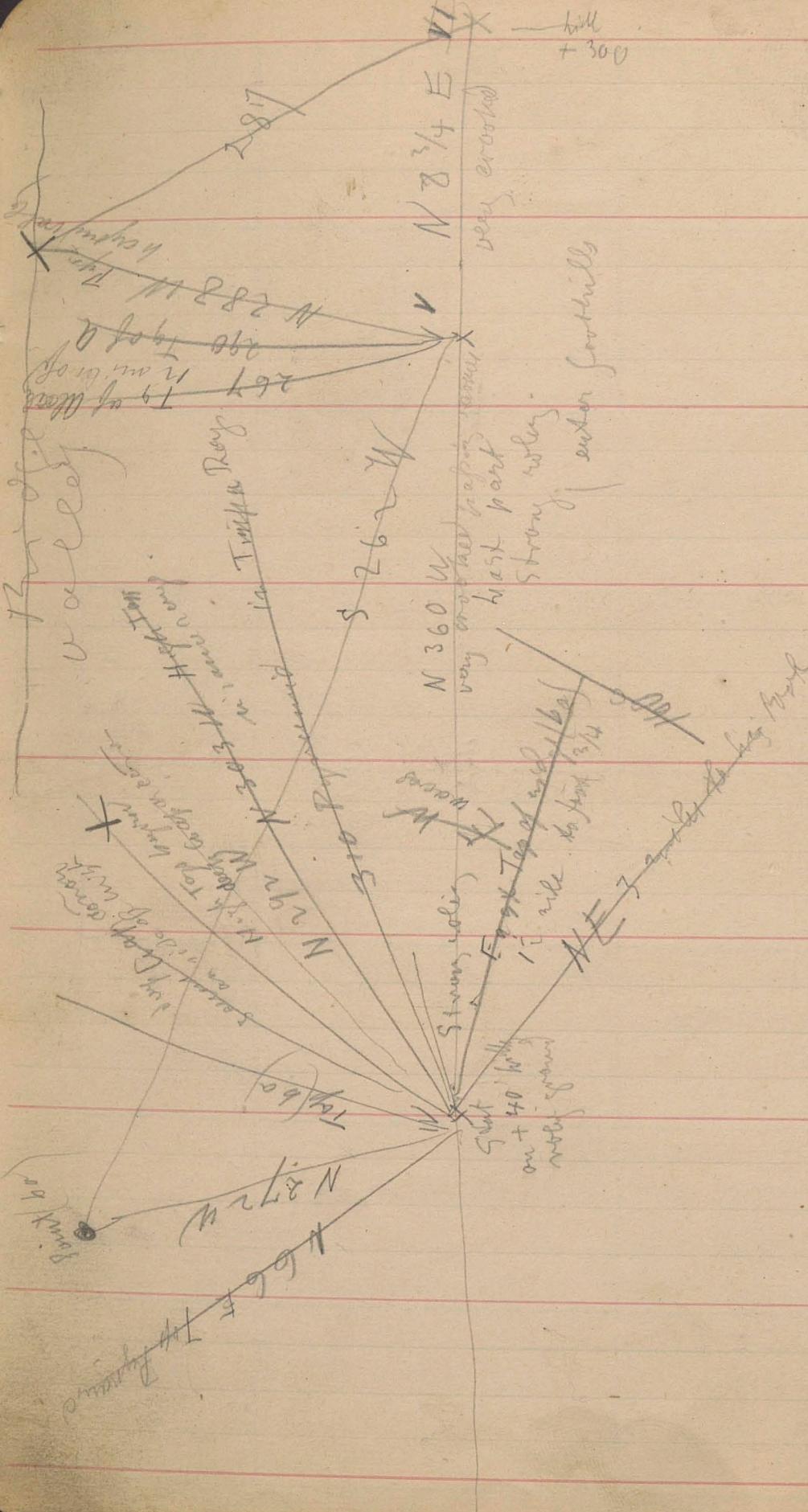
N 337 W  
10.28  
Timpanog  
+ 400

NE 3 miles  
+ 800

N 300 W  
Partly  
straight  
down  
level  
hard  
ground  
good  
grade

N 300 W  
+ 800





hill  
+ 300

N 87 1/4 E VI  
very eroded

N 360 W  
very eroded paper  
west part  
strong ridges  
cut on foothills

N 292 S

Triller Pass

N 292 W  
cut on +40' high  
Stream, ridges  
1 1/2 mile to base of ridge  
cut on +40' high

N 287 W  
cut on +40' high

N 282 W  
cut on +40' high

valley

N 87 1/2 W

N 87 1/2 W

N 66 E

N 30 E



Direction  $140^{\circ}18'$

16005

gap 4000 ft on foot  
from 1100 ft  
gap 1100 ft  
gap 1100 ft  
gap 1100 ft  
gap 1100 ft

0 straight  
300 + 900 ridge

3500  
3000

Hills ridge

Camp  
valley of rocks

Dry  
Camp

1000 and  
down  
place

High ridge  
16 miles

311  
3020  
111

Down hill  
E 111

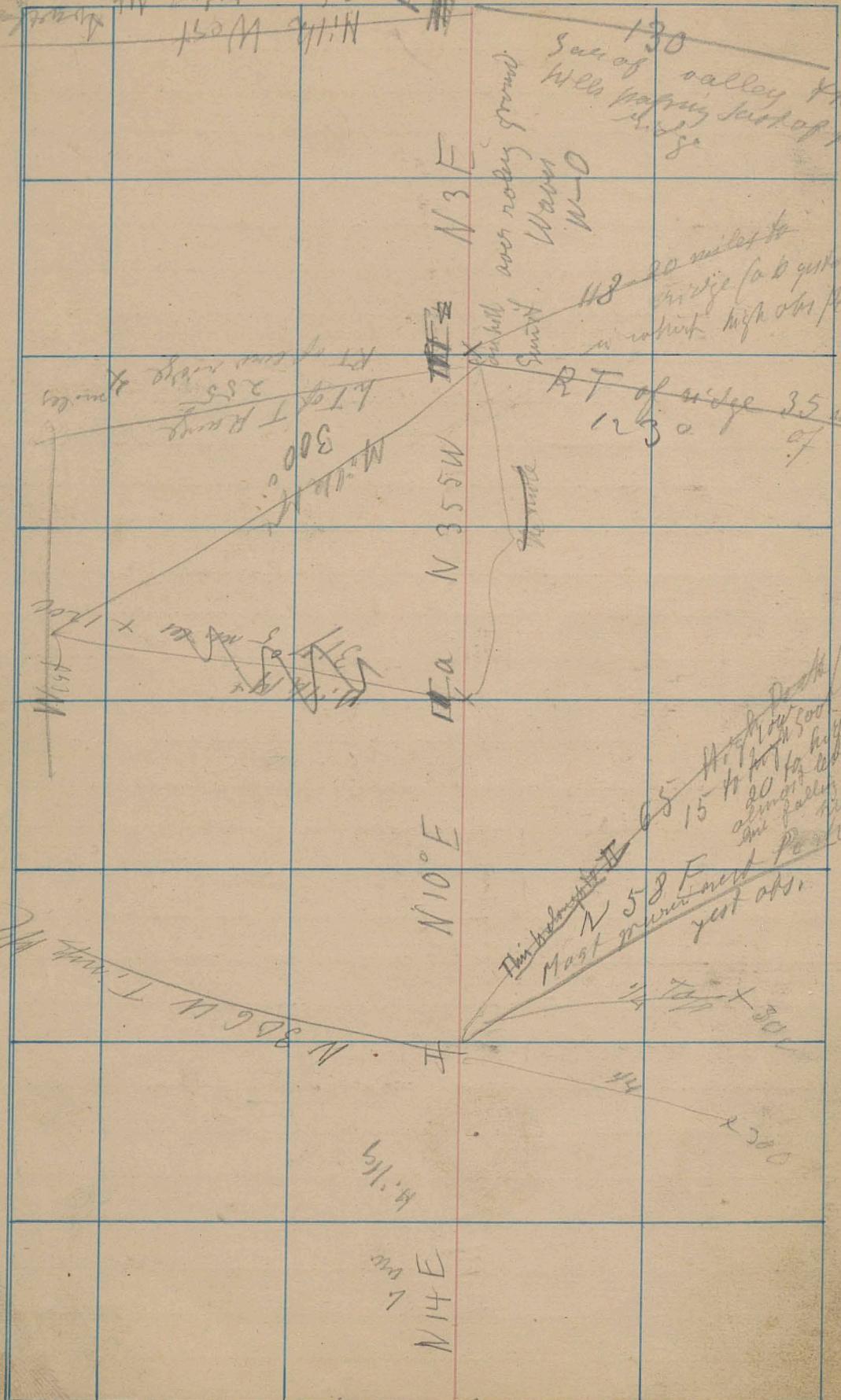
3000

14 miles deep

ridge  
can be  
5000 ft  
1000 ft

My Survey Lines  
West

~~W~~



N 3 E

~~N 3 E~~

N 35 W

N 10 E

N 10 E

N 10 E

N 14 E

N 14 E

130  
Saw of valley through which passing back of ridge  
Ball over rocky ground  
Wagon W-D

US 20 miles to ridge (a 6 yd. high) in which high obs. peak

RT of ridge 35 miles

RT of ridge 35 miles  
RT of ridge 35 miles  
3000  
M. 111 W.

N 11 W  
N 10 E  
N 35 W  
N 3 E  
N 130

Peak (60) at least  
15 to 20 ft high  
and falling snow  
rest obs.  
This belongs to  
N 58 E  
Mast monument

N 100 W T. with W. 1/2 sec

H. 169

N 14 E

N 14 E

VIII

N 4 1/2 E

127 1/2 15 miles

RT at Promontory or end of ridge  
in which other ridges in this line  
broadly back 10 miles  
further

new sharp peak in ridge  
bottom ridge of other half of peak  
2820  
2 1/2

1390 RT at (60) Peak  
(60) Peak

#

N 4 1/2 E

N 3 1/2 E

N 13 1/2 E Mr. Lynch

V

N 3 0 E

IV

+ 1500 ft ridge  
end

2051 (60) Peak

RT very gently down then so up  
4-5 miles

End of Call Lake  
S 140 E

175 ft  
up

West Gate  
110  
111  
Mt 198

Start 1/2 mile  
to last summit by  
150 ft  
to last summit by  
150 ft

4-5 miles from  
Mt 198  
S 264 W  
505

300 ft  
at  
Mt 198

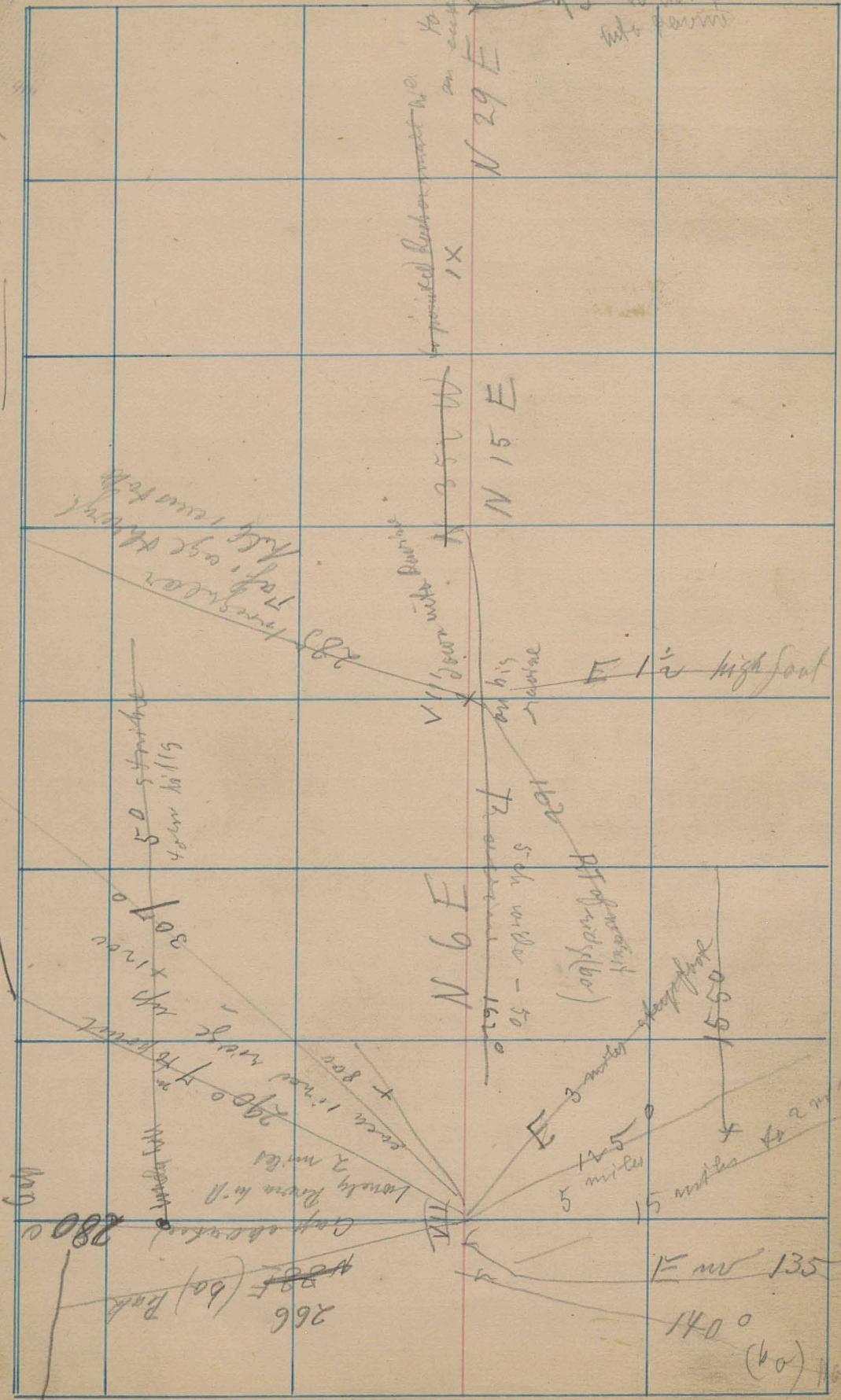
Temp. Mt 198  
nearby

41' compass  
5 ranges

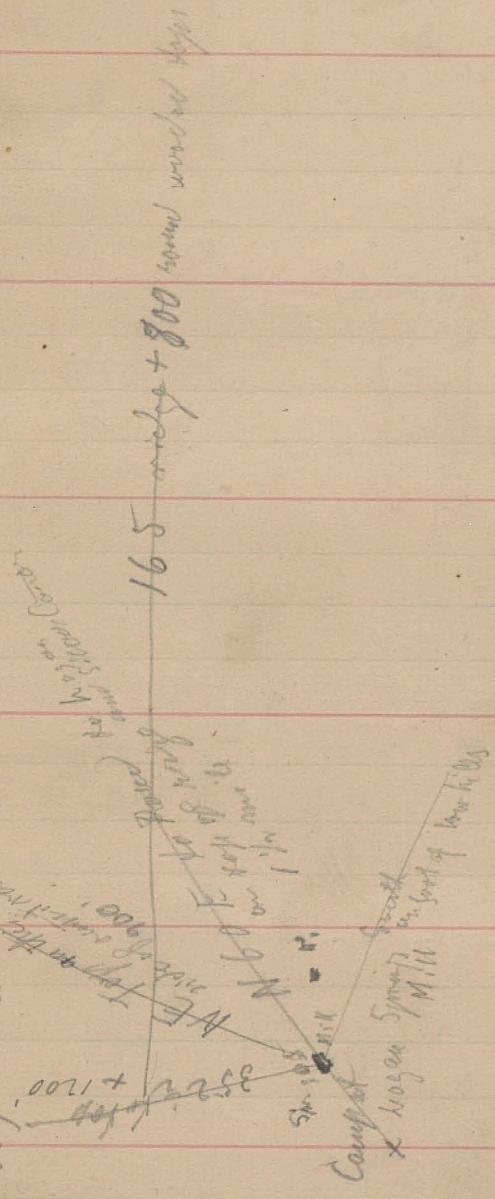
Time

End

343



Some of the ridges stop and about  
 rocks are fairly immersed in the gentle sloped foot  
 and very low  
 of lower



no running water

280°

2000  
Spurs  
trills +

Post  
on valley  
+ 300'

Went back down through  
and we commenced at 1400

234  
3000

263  
1200

1800

S 257°W

Road over  
with rolling

~~NE~~

Center sloping up to 1200

Overlooked

Tree

N 34 3/4° W II

an  
lower  
partially  
of +600  
with  
an

Foothills on  
both sides  
+800

for  
with  
good

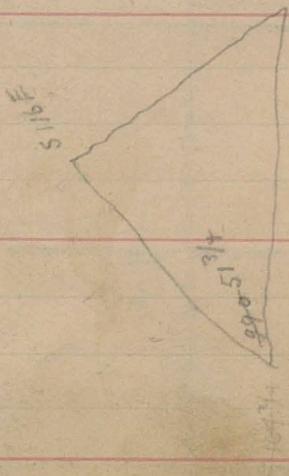
218  
382

Summit  
III

N 345 1/2° W

Start  
 $\frac{1}{2}$  mi. to W of Mouth of Camp

Camp \* S 167  $\frac{3}{4}$  E  
 Forkhill (Station of mine) N 68  $\frac{3}{4}$  E 6047  
 Tree on North Top of Irish S 106  $\frac{1}{2}$  E 5031  
 Irish highest S 116 E 5056  
 Camp  
 Forkhill \* N 42  $\frac{3}{4}$  E 6002  
 Tree on flat S 98  $\frac{1}{2}$  E 6008  
 Top Irish S 109  $\frac{1}{2}$  E 6028  
 Irish highest  
 Forkhill of Irish S 127 E 5026



Observations from Forkhill of Mt Irish determined by Buller on Road to Summit Springs

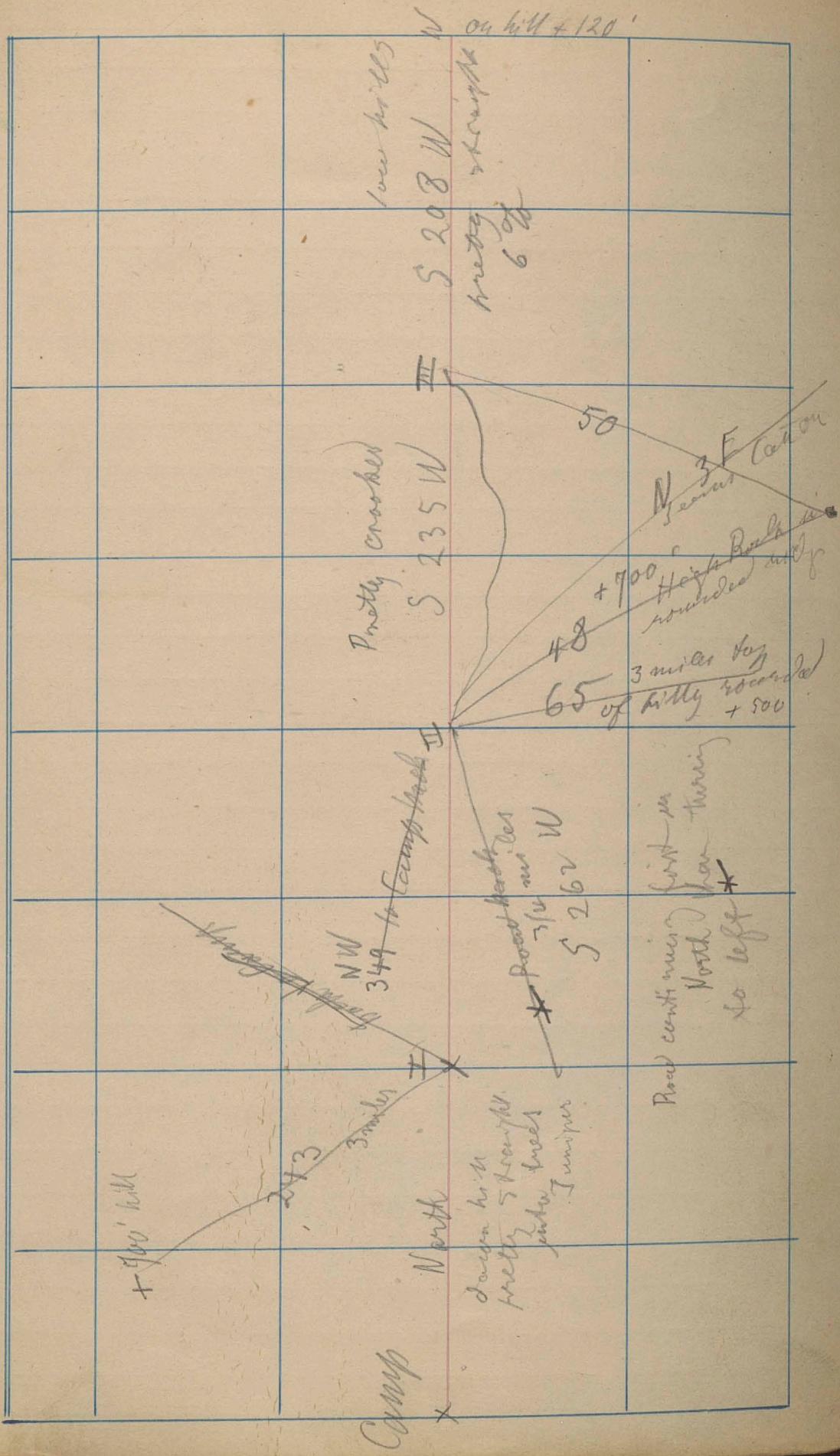
Mt Irish  
 Charles, Son Rob  
 Tree on South Top of Irish  
 Forkhill of Irish  
 Timpagute  
 Hill on this Summit  
 Greatest highest  
 'lower  
 Caecidial  
 Alkali flat 20 miles  
 Jeff Peak  
 Pine Peak 13 miles  
 Range off it strikes  
 Rock Point  
 Low Point approx 2000 yds 30 miles  
 Camp

S 178 E - 1033  
 S 127  $\frac{1}{2}$  E 4045  
 S 172 E ÷ 0003  
 S 118° 20 E 4043  
 S 167° 0 E 0028  
 S 208° 0 W 0051  
 S 211° 0 W 2004  
 N 40 E - 0002  
 N 4  $\frac{3}{4}$  E - 0001  
 N 12  $\frac{1}{4}$  E  
 N 8  $\frac{1}{2}$  E  
 N 16  $\frac{1}{2}$  E  
 N 30° W - 1003  
 N 8° E 400  
 N 18° E 0026  
 S 22° W  
 S 22° W 5051

Hig 2000 Irish  
 Flat Pine R  
 Forkhill  
 (Probably ~~mountain~~ ~~peak~~ ~~of~~ ~~Charles~~ ~~son~~ ~~Rob~~)

Camp + ~~444~~  
 Camp + ~~444~~  
 Camp + 633

(250 = low)



IV S 250 W  
 IV a S 173 E  
 VI S 247 3/4 W  
 VI S N 295 W  
 VI S Spring

road down in  
 flat valley both  
 sides to hills  
 near  
 start to spring

1 1/2 mile + 300

+ 800'  
 hills + 600  
 1/2 mile  
 + 200'

1200 3 miles to hill + 500'  
 SE 1 mile to  
 + 600'

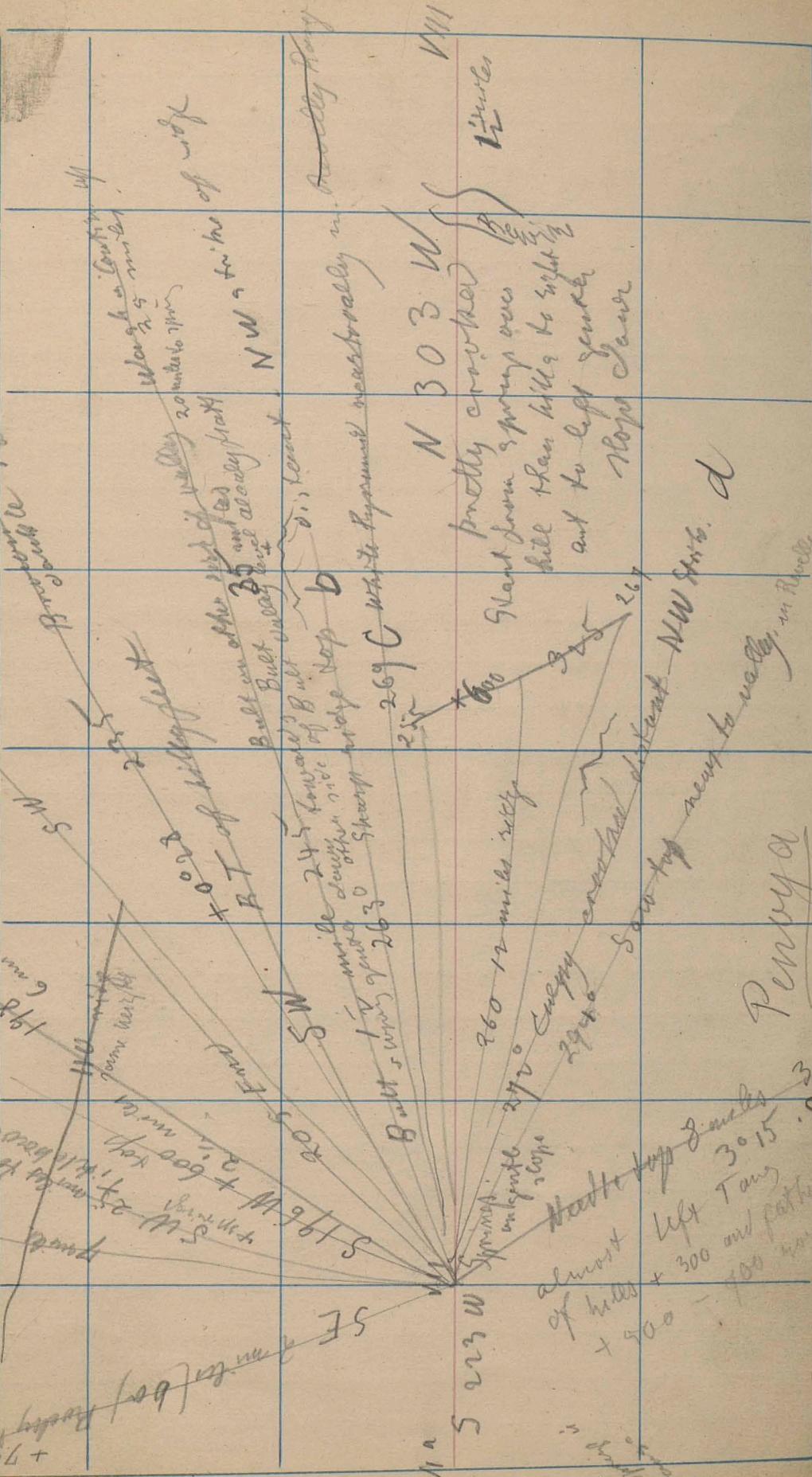
460 x  
 brown  
 down  
 to  
 valley

Top of hill  
 sand dipping

S 250 2/3 W

rolling

110 sitilla  
1000  
198 + 1400  
1000  
110  
196 M + 600  
SW 25' north of  
1500  
South  
1700  
1000  
196 M + 600  
SW 25' north of  
1500  
South  
1700  
1000



Wagon in center  
25 miles  
20 miles to NW  
NW 2 to me of rock  
211 road  
Belt on other side of valley  
Belt on other side of valley  
Belt on other side of valley  
Belt on other side of valley  
Belt on other side of valley  
Belt on other side of valley  
Belt on other side of valley  
Belt on other side of valley

269 C  
260 12 miles rocky  
270  
294  
Energy creeps  
Saw top near to valley in hills  
NW 303 W  
N 305 E  
S 196 M  
SW 25' north of  
1500  
South  
1700  
1000

penya  
328° Spring  
d  
d  
d



Hand ridge (110)

Top of ...  
RT of ...  
RT of ...

177 (60)  
S 172 E  
40-50 mile  
canon

40-50 mile  
canon

Top of ...  
RT of ...  
RT of ...

177 (60)  
S 172 E  
40-50 mile  
canon

First (br) ...  
with ...  
West ...

177 (60)  
S 172 E  
40-50 mile  
canon

N 325 W  
Peak ... End of valley 338°

177 (60)  
S 172 E  
40-50 mile  
canon

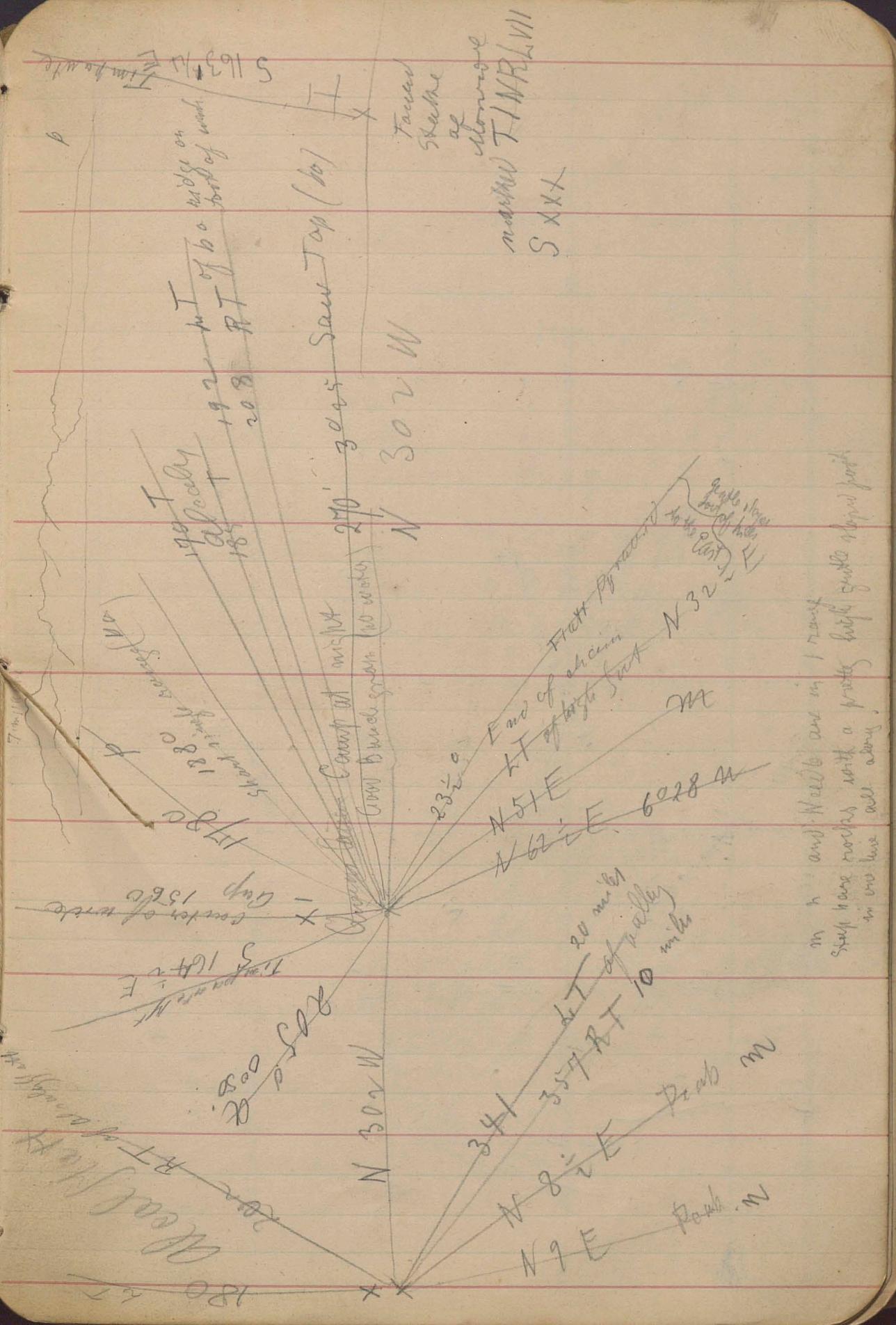
307  
15  
Cannon  
Quarry

NE  $\frac{3}{4}$  to foot of lower  
+ 200 - 150  
East + 400  $\frac{3}{4}$  mil

Cross River

XX

177



S 163 1/2° E

Facing  
Strike  
along  
marked F.N.R.L.V.I  
SXX

ridge on  
top of water

192 RT of 60  
192 RT

270' 300's Saw Top (W)  
N 302 W

185 RT  
190 T  
190 T

1780  
1800  
Short ridge  
Camp 1560  
Center of water

Camp at night  
Climb  
Bluck grain (no water)

23 1/2°  
End of chain  
KT of high fault  
N 32°

N 51° E  
N 62 1/2° E 6028 ft

341  
357 RT  
20 miles  
10 miles

N 8 1/2° E 2200 m  
N 9° E Peak m

180 25  
Near Mt. X  
RT of

m h and N 62 1/2 are in 1 m  
step here rocks with a pretty high grade sharp joint  
in one line all along



in level boggs  
2 ch. wide.

Head  
of  
Spring

+ 400 round  
and other

mostly  
around

+ 600 bottles  
more chgs.

N 33 3/4 W

+ 200 1/4 m  
circle  
11/13  
004 +

440 steep slope  
up

+ 400'

IV  
in  
Quarry

+ 400  
at III with guide

1 layer bed  
getting narrower  
have 3 or 4 with  
sleep rocks

+ 800

+ 600  
step  
down

+ 800'

+ 600  
rounded guide  
2 capped

in  
view of  
Hills  
+ 600  
rounded guide  
slope

Grand

South

212' -  
207' -  
174' -  
171' -  
160' -  
155' -  
150' -  
145' -  
140' -  
135' -  
130' -  
125' -  
120' -  
115' -  
110' -  
105' -  
100' -  
95' -  
90' -  
85' -  
80' -  
75' -  
70' -  
65' -  
60' -  
55' -  
50' -  
45' -  
40' -  
35' -  
30' -  
25' -  
20' -  
15' -  
10' -  
5' -  
0'

Line over  
Grate 0 Dept  
far away on hill  
212' -  
207' -  
174' -  
171' -  
160' -  
155' -  
150' -  
145' -  
140' -  
135' -  
130' -  
125' -  
120' -  
115' -  
110' -  
105' -  
100' -  
95' -  
90' -  
85' -  
80' -  
75' -  
70' -  
65' -  
60' -  
55' -  
50' -  
45' -  
40' -  
35' -  
30' -  
25' -  
20' -  
15' -  
10' -  
5' -  
0'

behind ic  
4.4 ft in  
front of  
160'

155'

207'

174'

171'

160'

155'

150'

145'

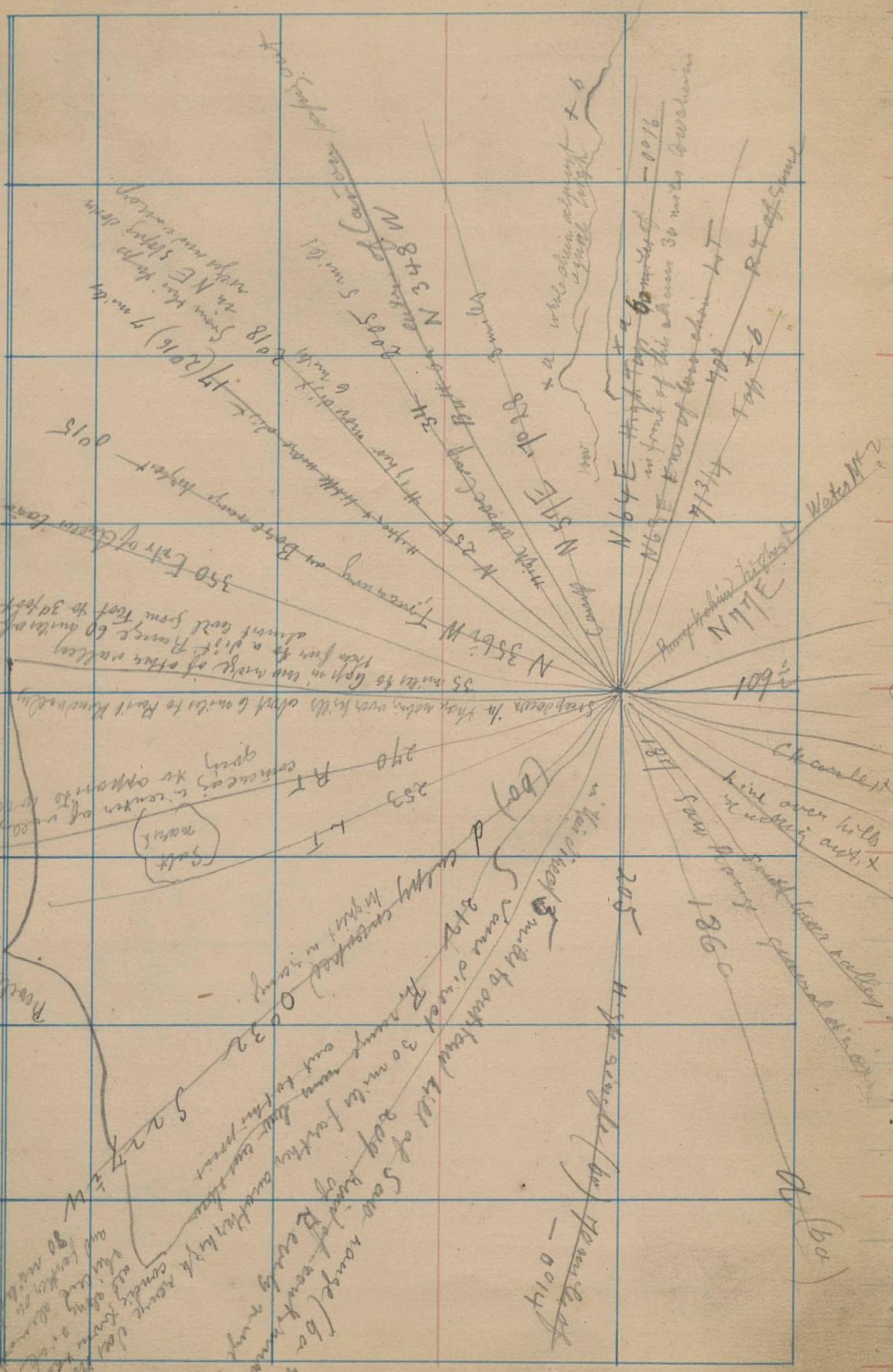
140'

135'

130'

Line over  
Grate 0 Dept  
far away on hill  
212' -  
207' -  
174' -  
171' -  
160' -  
155' -  
150' -  
145' -  
140' -  
135' -  
130' -  
125' -  
120' -  
115' -  
110' -  
105' -  
100' -  
95' -  
90' -  
85' -  
80' -  
75' -  
70' -  
65' -  
60' -  
55' -  
50' -  
45' -  
40' -  
35' -  
30' -  
25' -  
20' -  
15' -  
10' -  
5' -  
0'

Start on hill near Camp at Brown Canyon  
Camp 1st Observ hill



Pinnacle Mt 20 miles

Washington Mt (ba)  $88^{\circ}$   
+  $0^{\circ} 39'$   
Peak in same range (ba)  $0^{\circ} 28'$   
Cave V. ch

115° Mt/risk 003  
Tennessee Mt 008 1530  
-  $0^{\circ} 20'$

High peak of Mount High (ba)  $170^{\circ}$   
at 25 miles down through valley bottom  
at 6 miles  
valley width at 25 miles down through valley bottom  
at 6 miles  
at 3 miles through dark woods, I of past meadow  
valley through in  
at 100 ft.

valley ridge are a series of high hills and low  
hills and the ridge is general direction  
N E S W . between these are  
some ranges is a low gap of some  
direction (ba) left for the valley

Western E. Arizona 18° 06'  
1947  
16919

Camp in Queens Canyon

Red trace  
off road, per  
number  
near camp

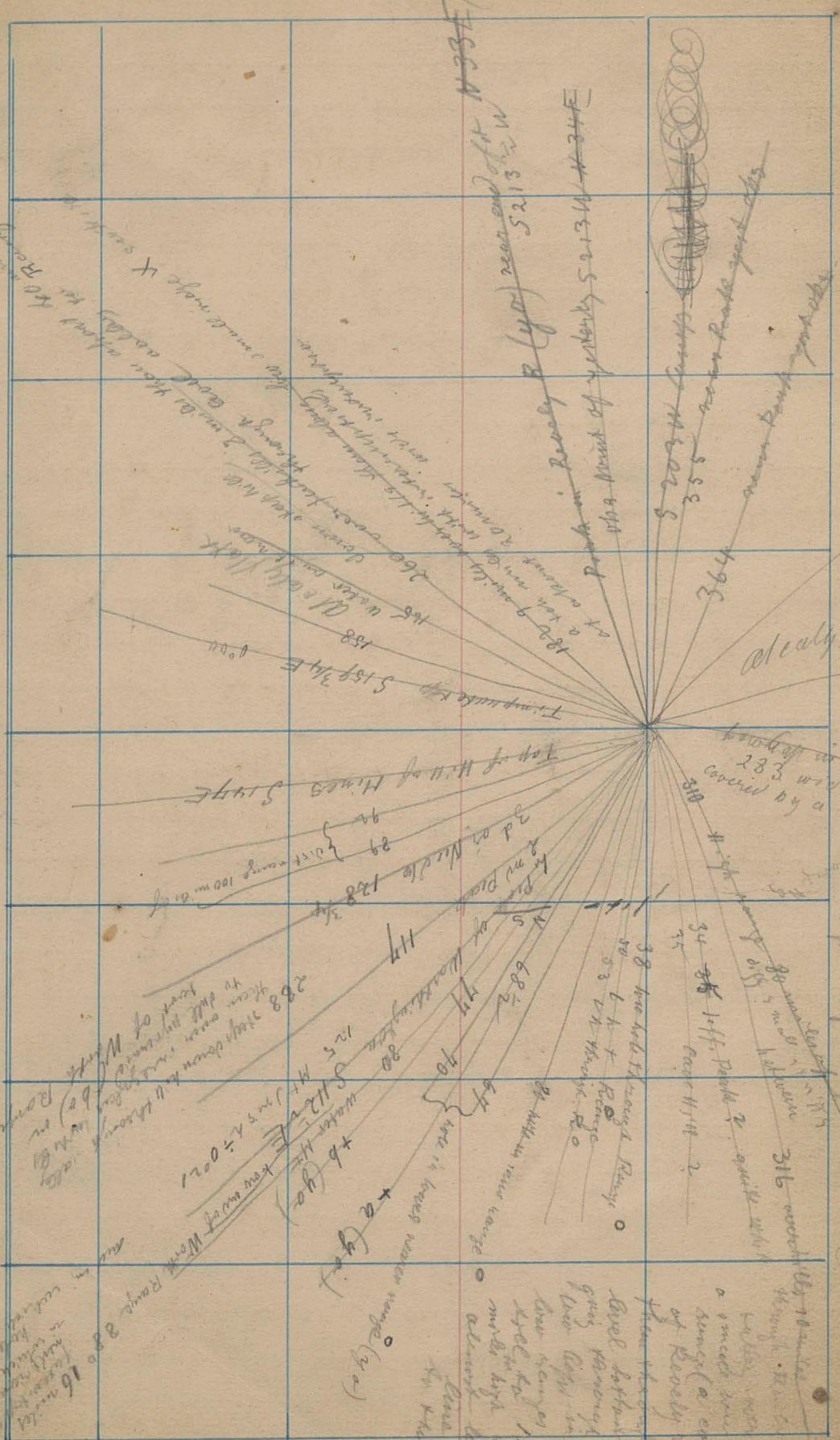
Va VI

N 44 E

N 326 W

N 340 W

Obs. from Hill to North of Camp in Precinct Canyon



N 33 E  
at a distance of 180 paces  
at a distance of 180 paces  
at a distance of 180 paces

S 55 S  
364  
at a distance of 180 paces  
at a distance of 180 paces

180 paces  
180 paces  
180 paces  
180 paces  
180 paces  
180 paces  
180 paces  
180 paces

Clearly Not

top of hill in hands  
283 wide  
covered by a low

From Camp concerning a net high stage  
top range of mountains 4500 ft  
(1500 ft)

288 steps down to  
to the summit  
of Mt. Hines  
+6 (y<sub>0</sub>)  
+2 (y<sub>1</sub>)

80  
70  
68  
64  
60  
50  
38  
36  
34  
32  
30  
28  
26  
24  
22  
20  
18  
16  
14  
12  
10  
8  
6  
4  
2  
0

16 miles  
88°  
to the summit  
of Mt. Hines

at a distance of 180 paces  
at a distance of 180 paces  
at a distance of 180 paces

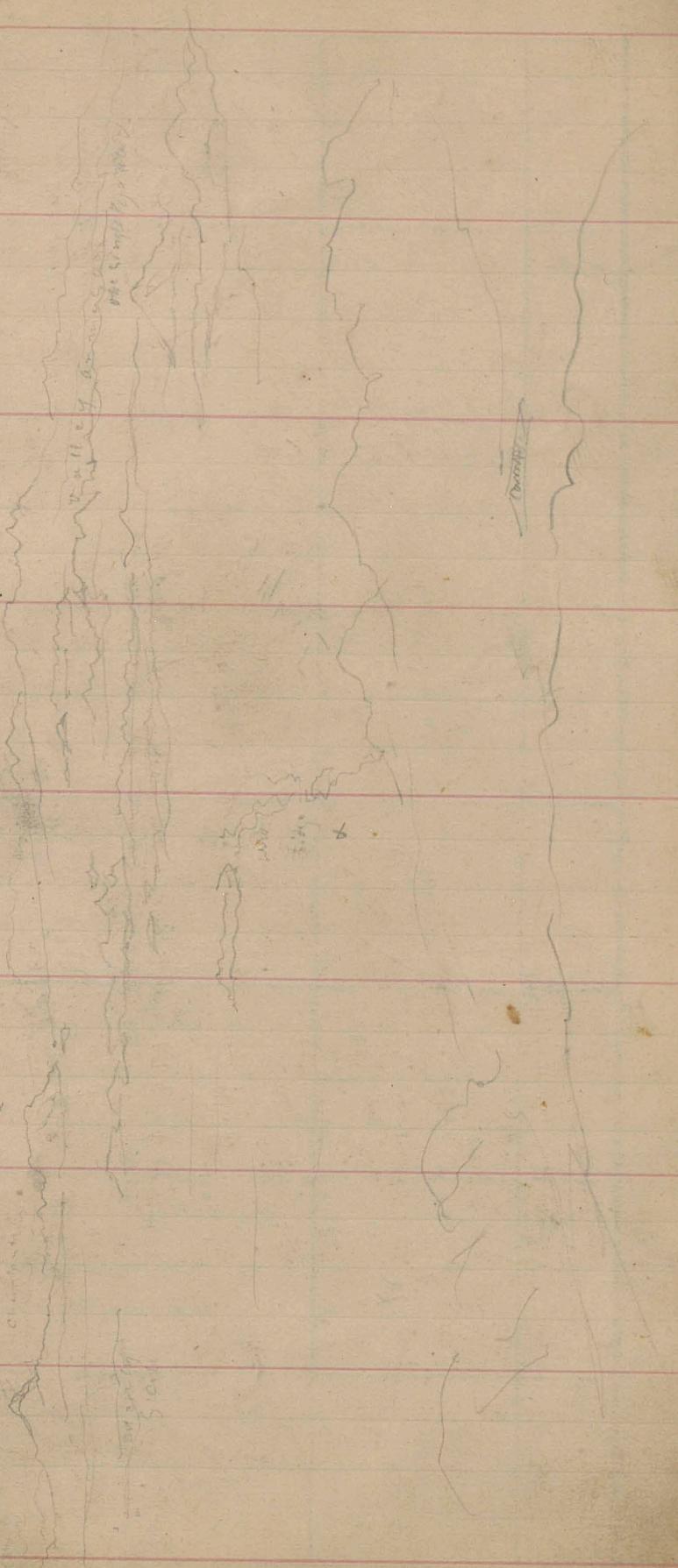
R  
margin front  
come from south  
from principal  
flange.



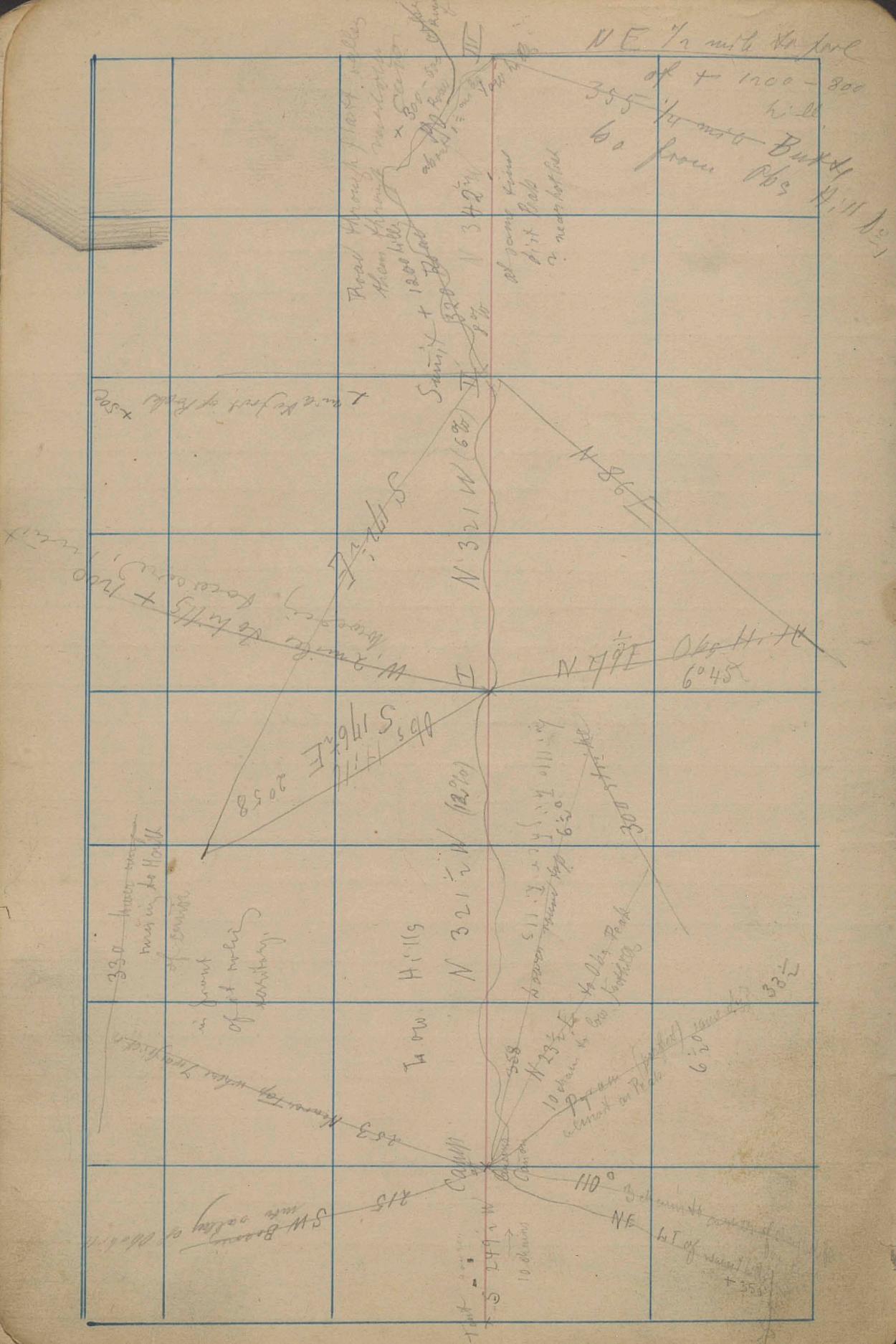
a  
soft  
flat part

observed

Therapist



~~Therapist~~



NE 7/8 mile to top  
of +1200-800  
hills  
355 1/4 mile to Buck Hill

Road through flat valley  
then through mountains  
+ 300 or more  
above the 1800

at some point  
ditto Buck  
or near that

Lowest point of hills + 1200  
x 500

W. 2 miles to hills + 1200  
W. 1/2 mile to summit

Summit + 1200  
320  
342  
N 32 1/2 W 60'

N 86 E

N 79 1/2 E  
Obs Hills  
6°45'

Obs 5 176 2/2 E 2058  
Hills

N 32 1/2 W (1200)

1000  
1000  
Hills  
N 32 1/2 W  
300  
Hills

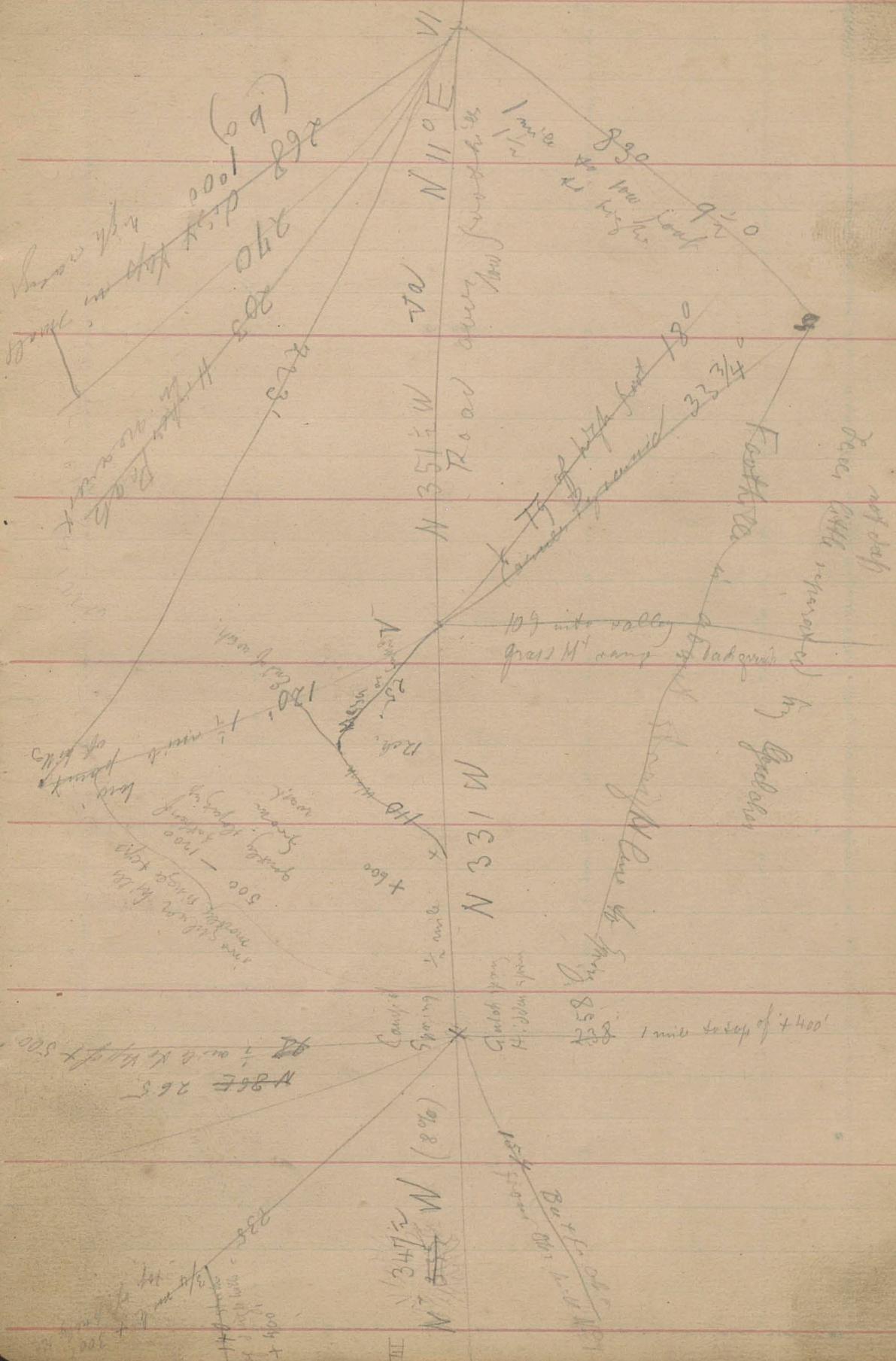
330 lowest  
point in the hills  
of some  
of it under  
a low  
boundary

1000 Hills  
400  
Hills  
N 23 1/2 E  
10 down to low  
point  
about 100  
feet

300  
Hills  
38 1/2  
60  
Hills

SW boundary of hills  
115  
110° NE  
10 down

110° NE  
10 down  
to T of water  
+ 350



a

Camp

N 51° E

Big Creek

126 high peak  
on valley  
3 miles to top

S 149 E 2 miles  
on foot of high  
Aulok with big creek

VIII  
X

N 42° E

As you go

mountain  
from  
west  
with  
spike

245 bridge Aulok  
West 2 miles  
NW up  
NW up behind  
small main ridge

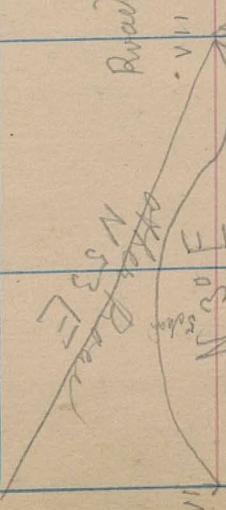
Road

N 53° E

VII

N 30° E

303 Aulok  
on Aulok in top 6 miles  
high ridge  
Corn Pyr. (60) v  
1 1/2 miles to SW



Bentley 3016

N 10 E

High foot ahead 70/6  
to Top valley  
67 1/2  
B° set in  
to 1 distance

92° behind the Quarry  
Creek Taps

125 RT of high house  
Bearing into Colad. 123°

Point very low  
and faint  
N 28 E

to 20

Feeling top of low  
East to T of high foot

Peak (60 ft) 178° 10 miles  
124°

Road holes slightly  
over just as we  
very over the  
sand washes

N 5 to E

Ready to summit

RT of high foot  
200

12000 Peak  
105°

135° sing down hill

1/2 mile to low 2 mile to high

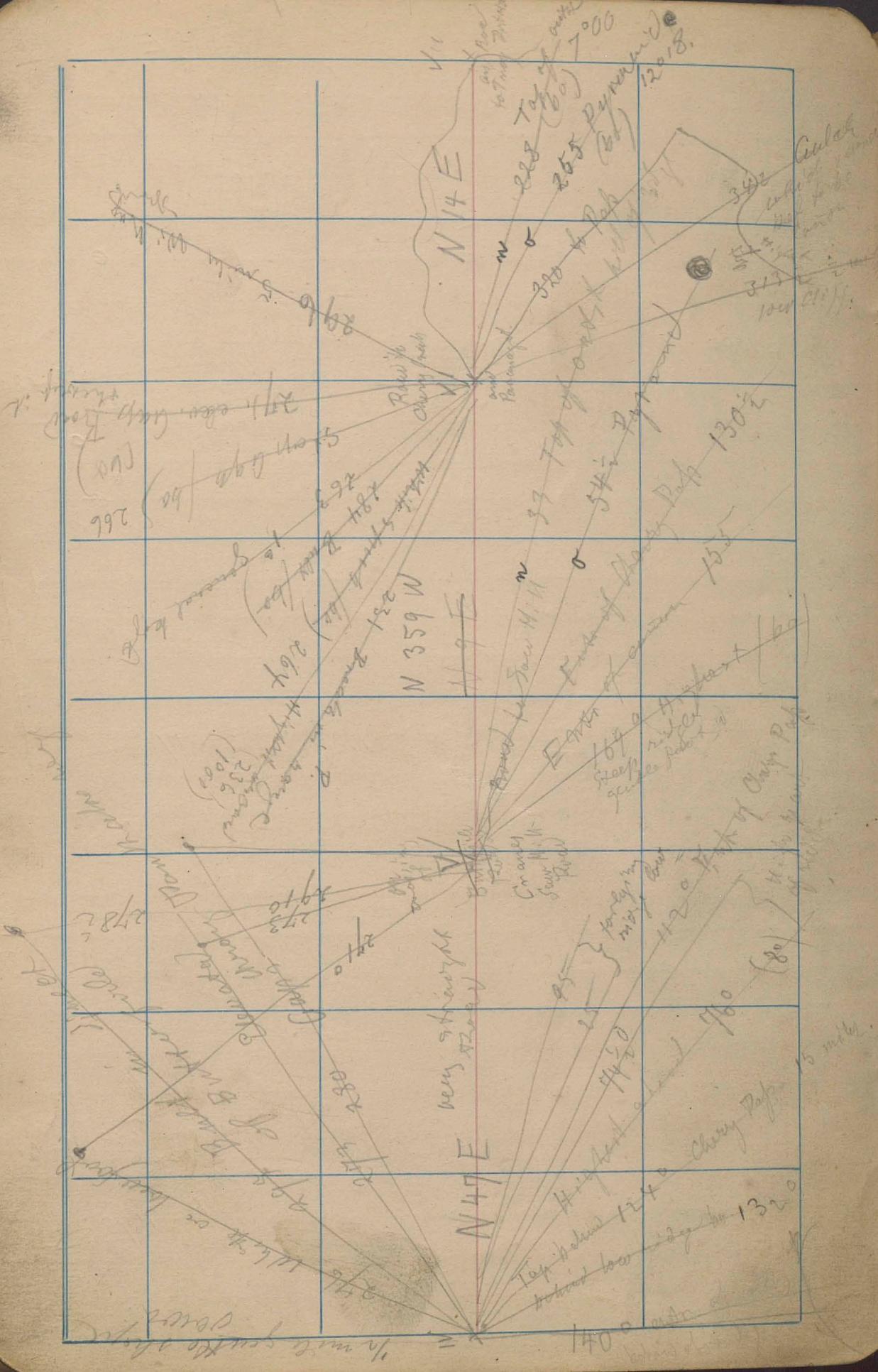
N 31 to E

Road almost straight

148 Peak  
Big bush 6034 167°

(19) 109  
with ground 1/6 to 1/8  
Camp

100 feet high only part of  
from 1000 feet high  
more heavy (heavy) snow



N 14 E

N 359 W

N 47 E

N 49 E

N 54 E

888 Top of oak  
(80) 7°00

255 Pymunk  
(80)

390 Top of oak

544 Point of oak

760 Point of oak

130 Point of oak

140 Point of oak

266  
292  
488

590  
688

700  
760

130  
150

160  
170

180  
190  
200

277 elev. Chap. Pond

278

279

280

281

282

283

284

285

286

287

288

289

290

291

292

293

294

295

296

297

298

299

300

301

302

303

304

305

306

307

308

309

310

311

312

313

314

315

316

317

318

319

320

321

322

323

324

1/2 mile south of pond

Point of oak

Point of oak

Point of oak

Point of oak

Point of oak

Point of oak

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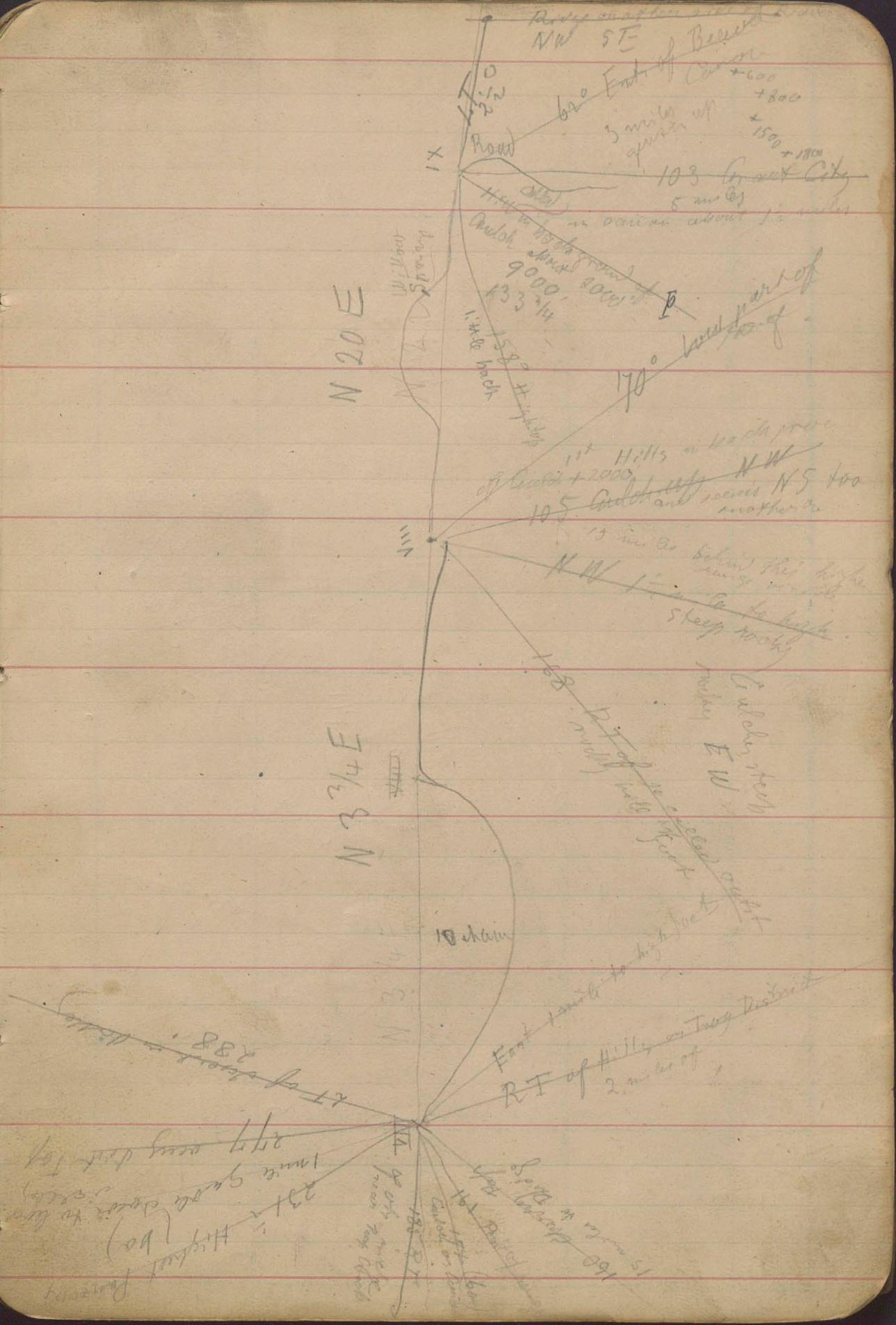
Point of oak

Point of oak

Point of oak

Point of oak

Point of oak



Road NW SE  
East of Belmont  
3 miles  
quartz m  
+600  
+800  
+1500  
+1800

11  
Road  
1 1/2  
1 1/2

103 Great City  
5 miles  
in ocean about 12 miles

Hills in back ground  
Andon about  
9000, 8000  
133 1/4  
1 1/2  
Hills

N 20 E

N 20 E  
W. West  
Spring

170° land part of  
Hills in back part  
of Andon + 2000  
105 Andon and  
NW  
NW  
15 in a  
behind this  
steep rocky  
Calden rock  
E W  
RT of Hill  
2 miles of

111

N 3 1/4 E

Chain

Chain

N 3 1/4 N

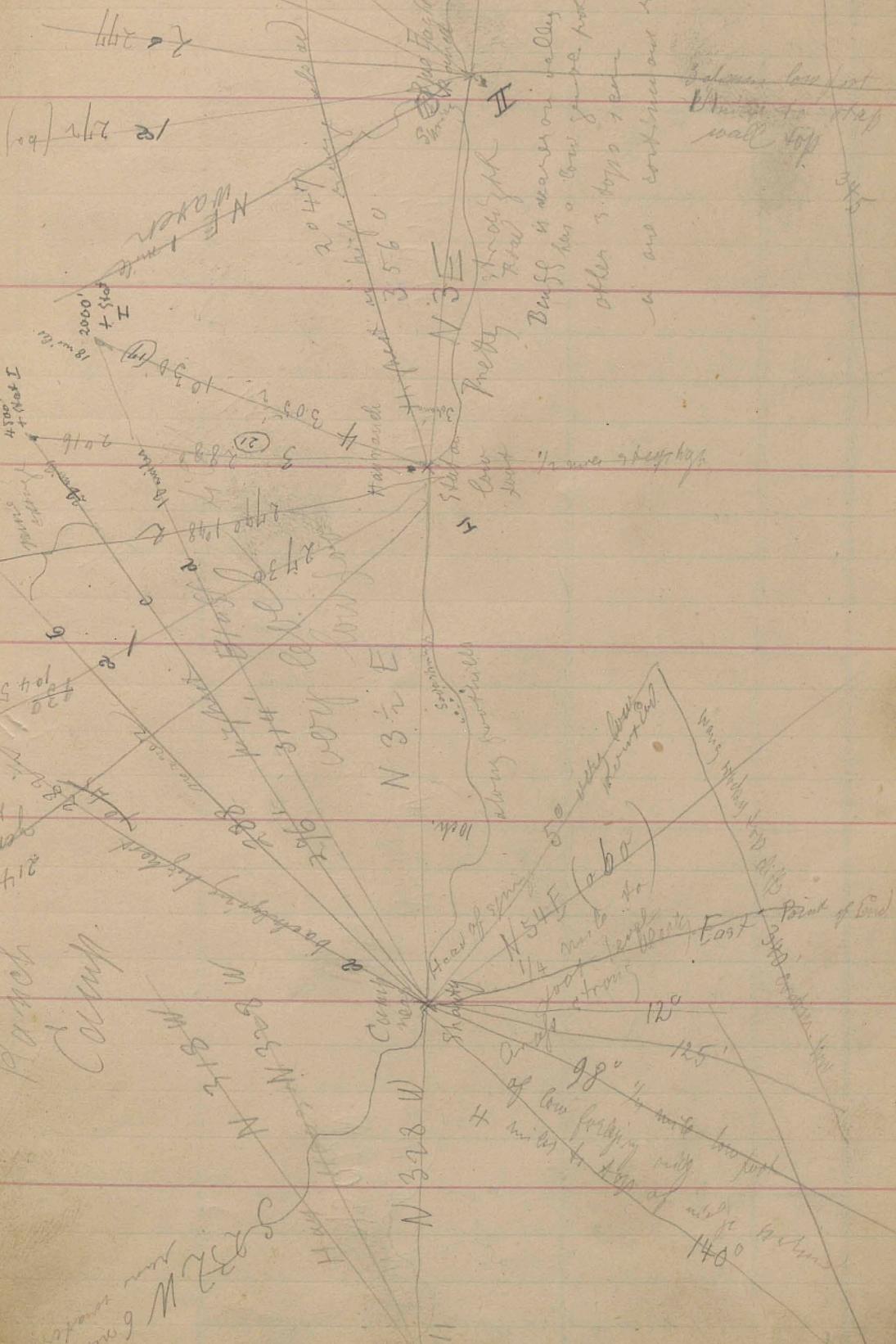
RT of Hill  
2 miles of  
East part to high part  
Calden rock  
E W  
RT of Hill  
2 miles of

RT of Hill  
2 miles of  
Hills in back  
Andon  
180 P  
191  
192  
193  
194  
195  
196  
197  
198  
199  
200  
201  
202  
203  
204  
205  
206  
207  
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284  
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286  
287  
288  
289  
290  
291  
292  
293  
294  
295  
296  
297  
298  
299  
300



Butterfield  
Punch  
Camp

N 322° W 6 miles  
from main  
M 2200



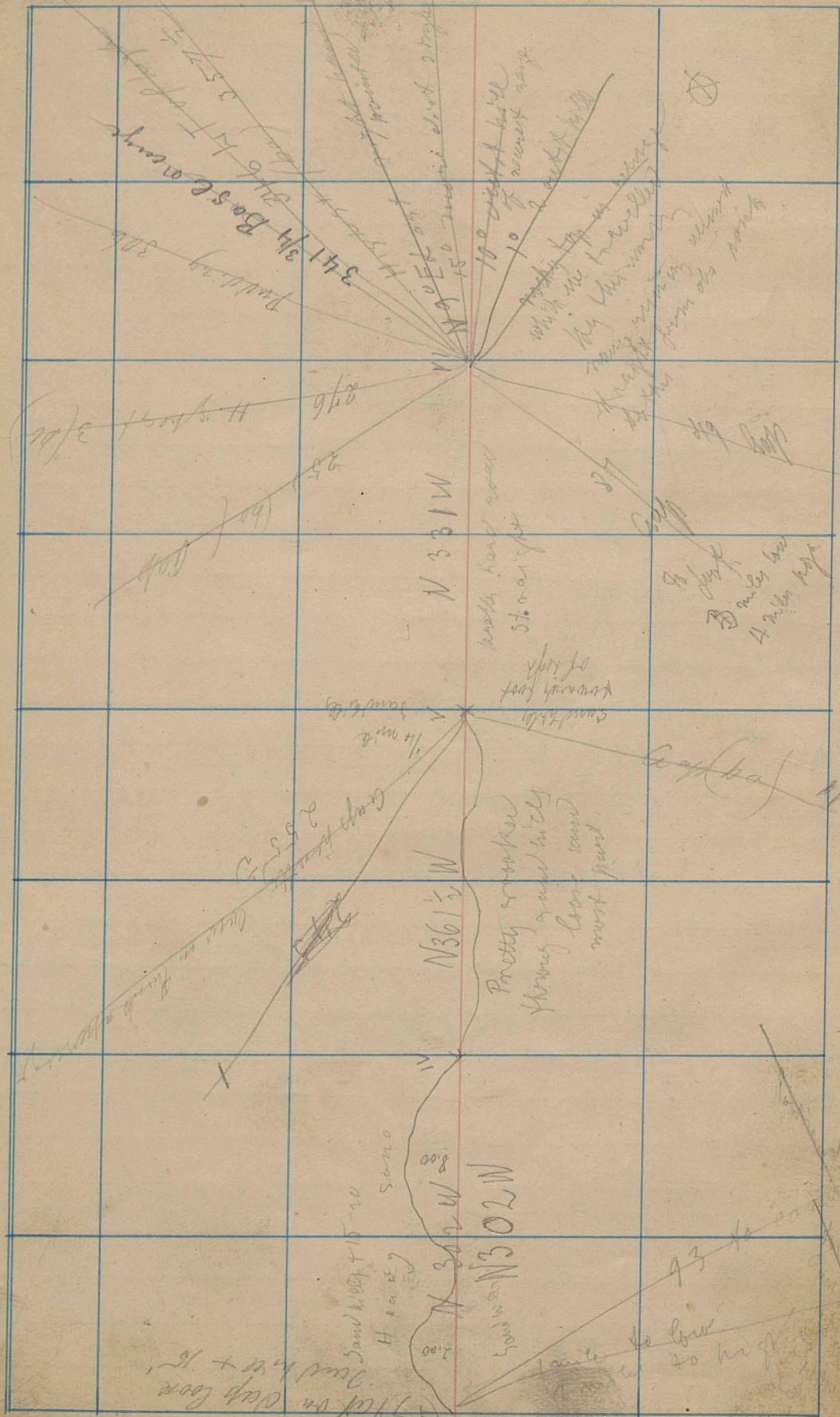
Valley low part  
United to step  
wall top

345

low front  
1/2 mile steep slope

along front hills

Point of land  
340  
N 328° W  
N 322° W  
N 54° E  
N 340° E  
N 328° W  
N 322° W  
N 241° W  
N 212° W  
N 207° W  
N 204° W  
N 3° E  
N 30° E  
N 328° E  
N 54° E  
N 340° E  
N 328° W  
N 322° W



341 3/4 Base of ore zone  
306  
11 1/2 feet 11  
3/4

150 ft  
100 ft  
150 ft  
100 ft

100 vertical to the  
of recent age  
which we traveled  
by this road  
at right angles  
to the  
from the  
mine

N 33 1/2° W

North hand road  
St. range

50 ft  
3 miles  
4 miles

1/4 mile  
Sandstone  
Shale

1/4 mile  
Sandstone  
Shale

113

N 36 1/2° W

Pretty rough  
through sandstone  
about sand  
stone part

255  
Dip in  
11

N 30 2° W

50-20  
Sandstone  
800  
500  
200

Dip core  
Dip 1/2 + 1/2

93 to 100  
to 100

Current

221 58  
3622

N 333 W

42°

53½

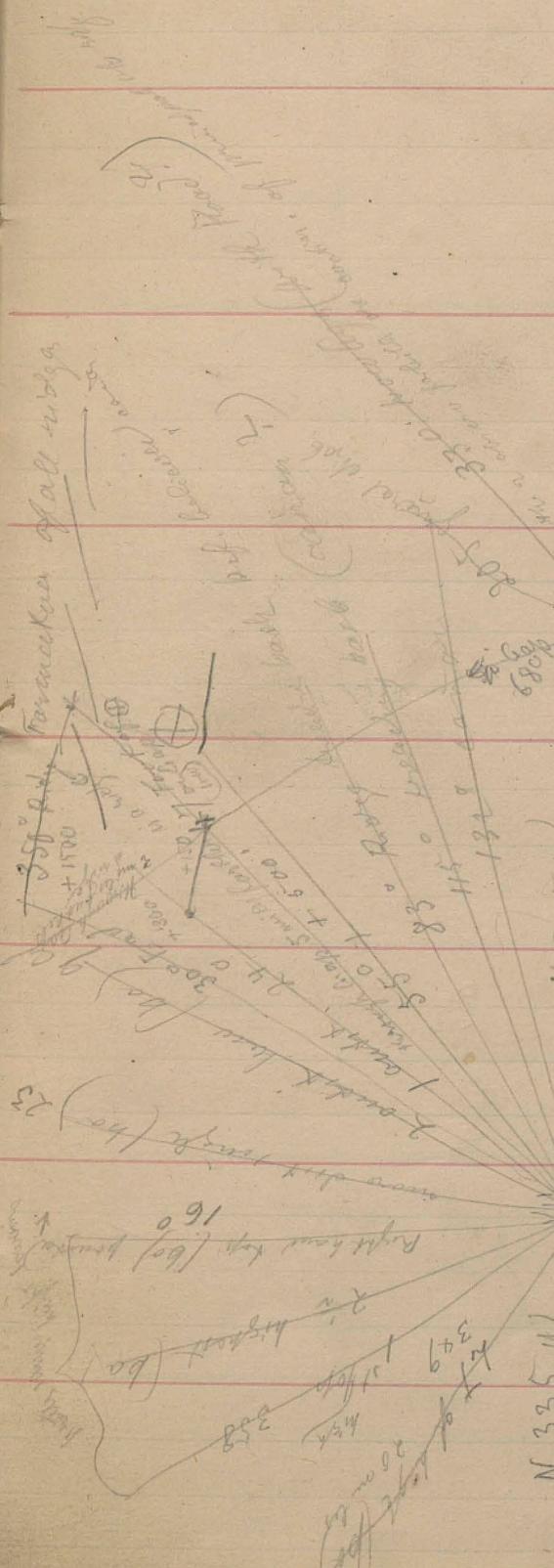
61½

large House  
small House

N 331 W

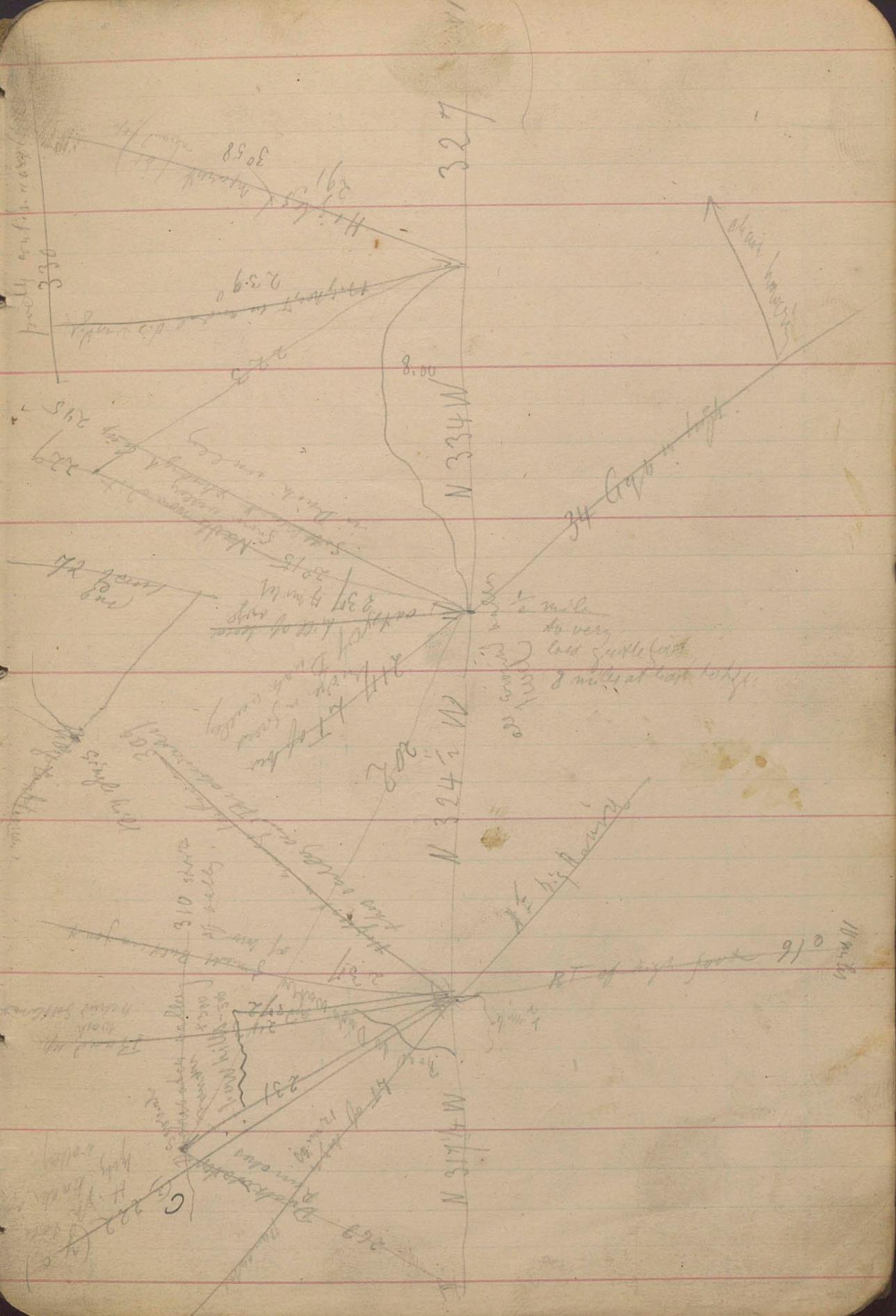
N 335 W

N 335 W



All within below





327

N 334 W

N 324 W

N 314 W

N 304 W

chain markers

34 Gaps in light

1/2 mile  
to very  
low ground  
& miles at each side

RT of high ground

91°

10 miles

Hill top

North end of hill

South end of hill

East end of hill

West end of hill

Top of hill

Bottom of hill

Side of hill

Back of hill

Front of hill

Left side of hill

Right side of hill

Upper part of hill

Lower part of hill

Steepest part of hill

Gentlest part of hill

328

329

330

331

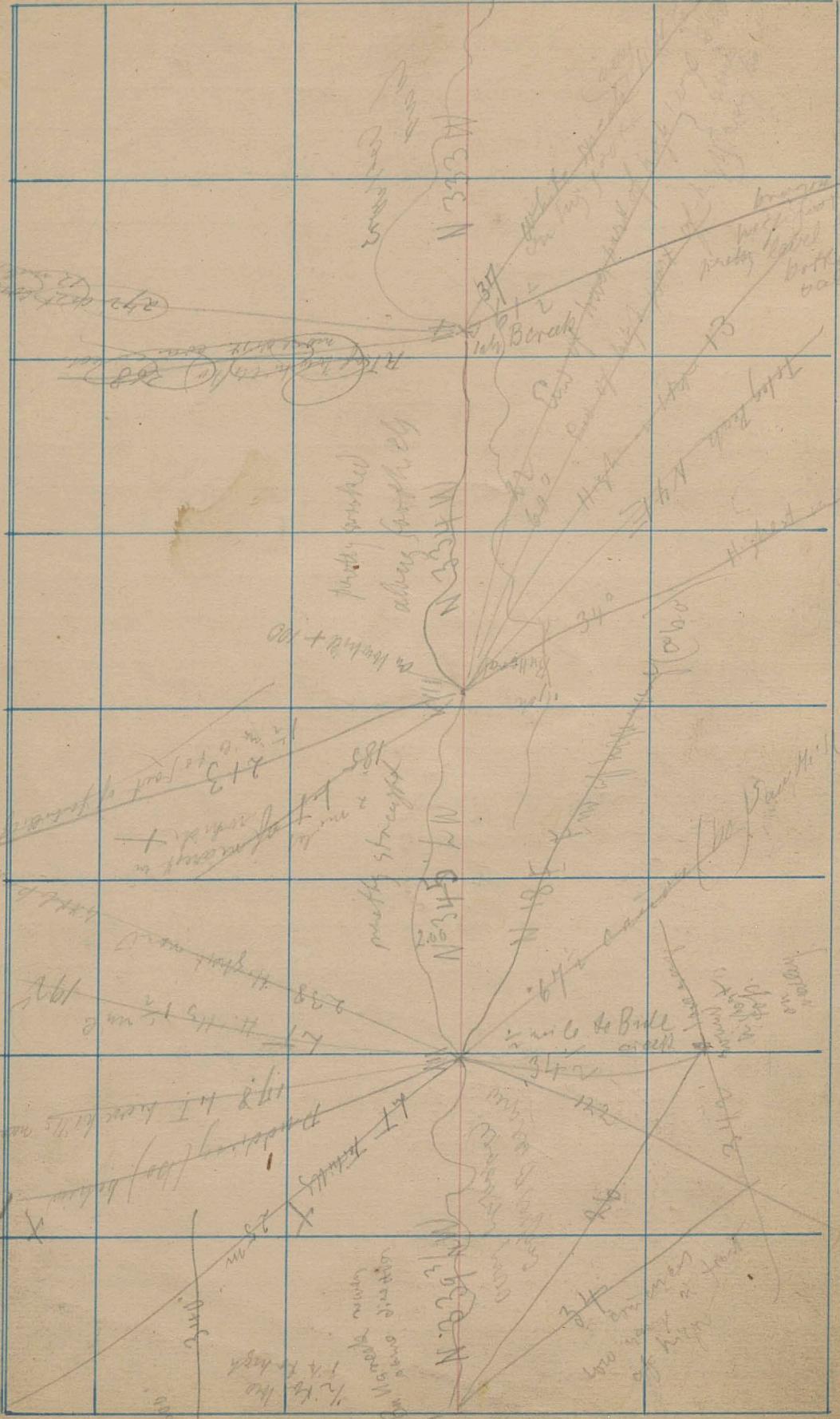
332

333

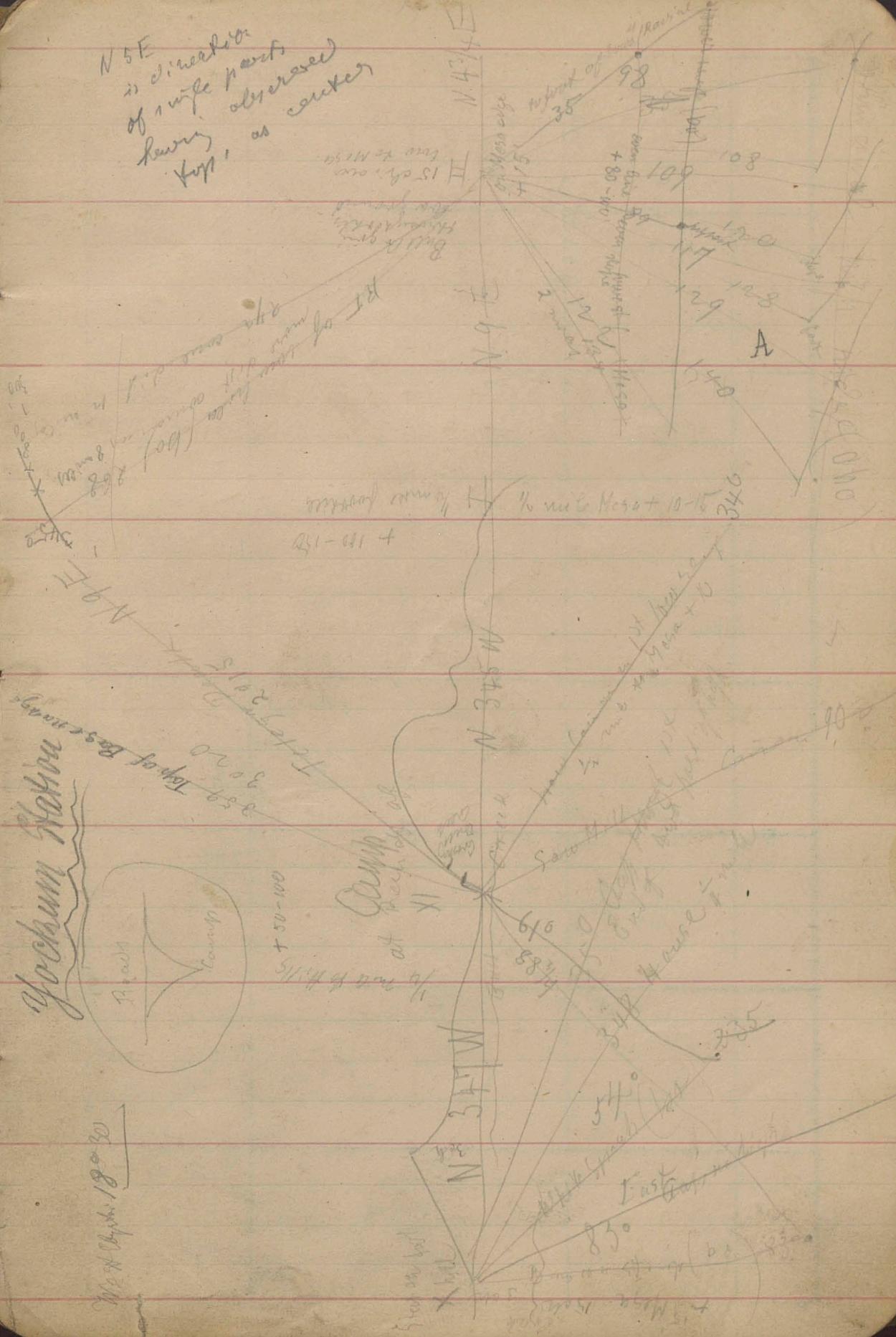
334

335

336



N 5 E  
 is direction  
 of wide part  
 being observed  
 top, as center



Yochum Nakou



1800

+ 50-100

Camp

N 30 W

N 45 E

N 9 E

N 75 W

N 60 E

N 75 W

+ 100-150

+ 10-15 mi to Mass

1/2 mi to Mass + 10

1/2 mi to Mass + 10

1/2 mi to Mass + 10

1/2 mi to Mass + 10

1/2 mi to Mass + 10

54°

85°

335

340

350

350

350

350

350

350

350

350

350

350

350

350

350

350

350

350

350

A

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

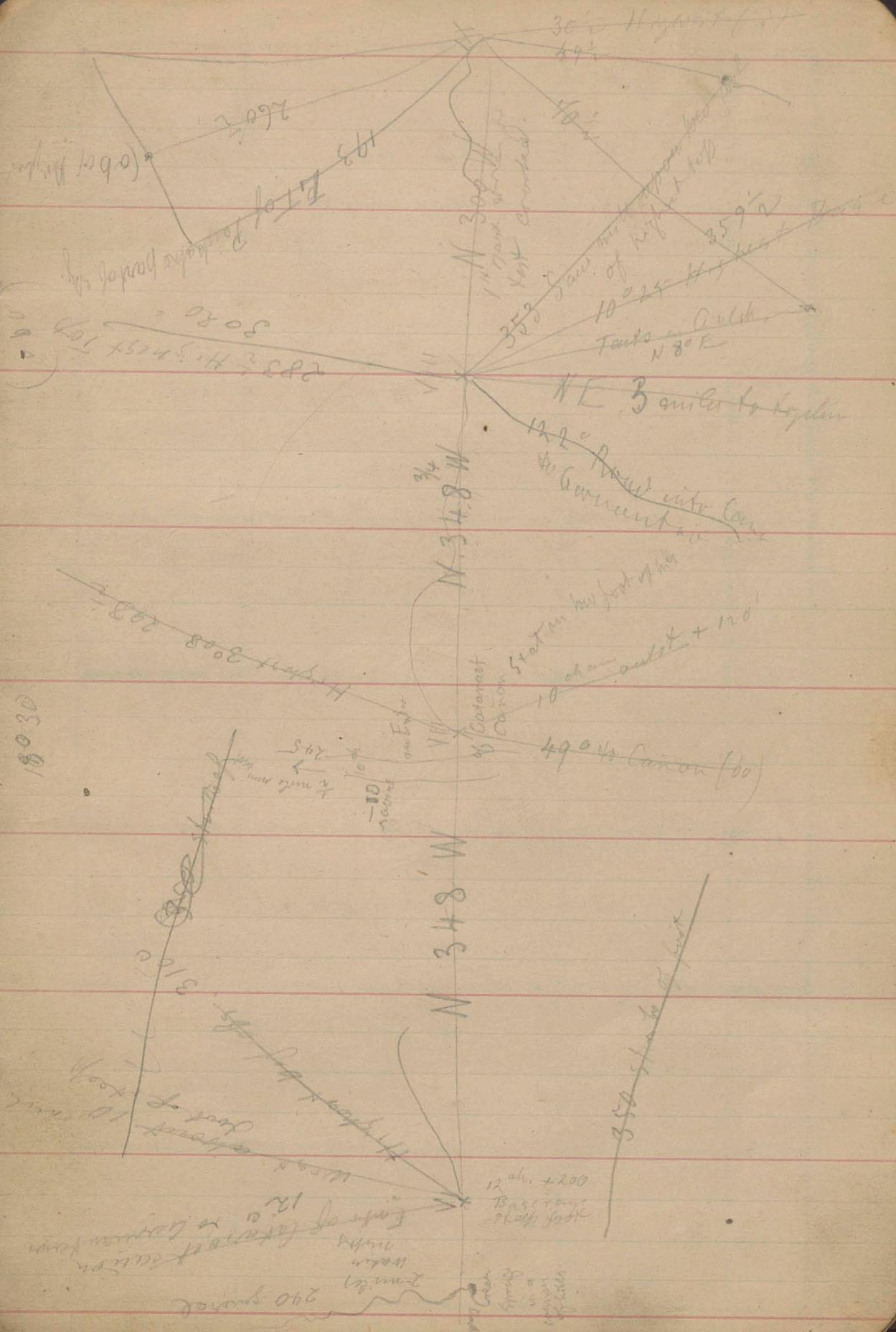
100

100

100

100





30° Highest point  
49 1/2

2600

193 E of Pancha head of valley  
(Observed)

N 348 W  
1 1/2 miles  
that curved

350 Saw much of highest top  
10° 25' H of West Peak  
45° 9' H of West Peak  
Tanks on Gully  
N 80° E

3080  
283 H of West Peak

NE 3 miles to Ogden

3/4  
N 348 W

12.2 miles  
to Government  
to Canyon into Canyon

3080  
Highest 3008

Entrance

Entrance of Canyon

10 chains  
about + 120'

18030

245  
1/2 mile  
-10  
same

49° to Canyon (do)

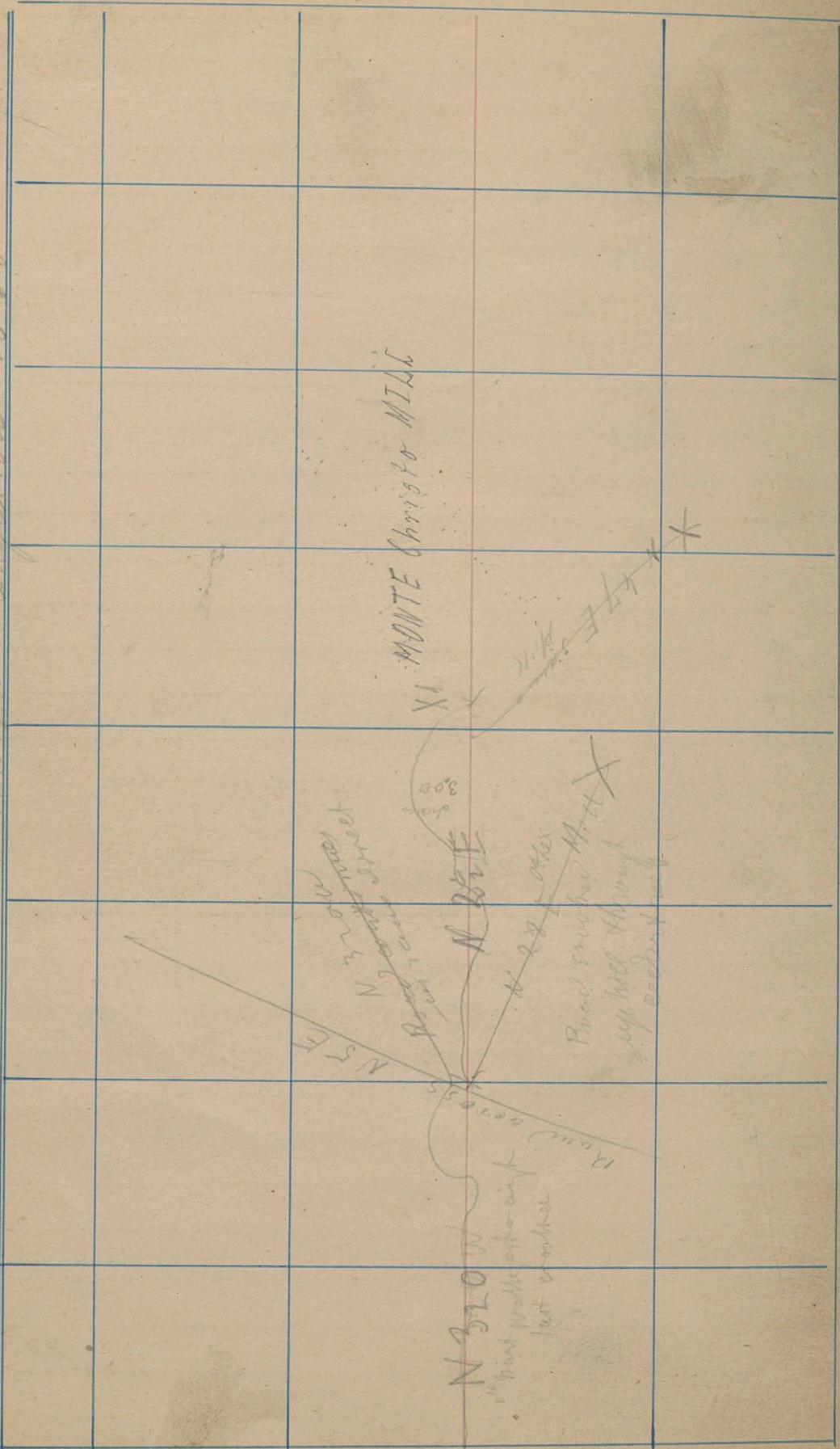
N 348 W  
N 348 E

3160  
Entrance of Canyon  
10 miles  
West of Canyon

3.5 miles  
to Ogden

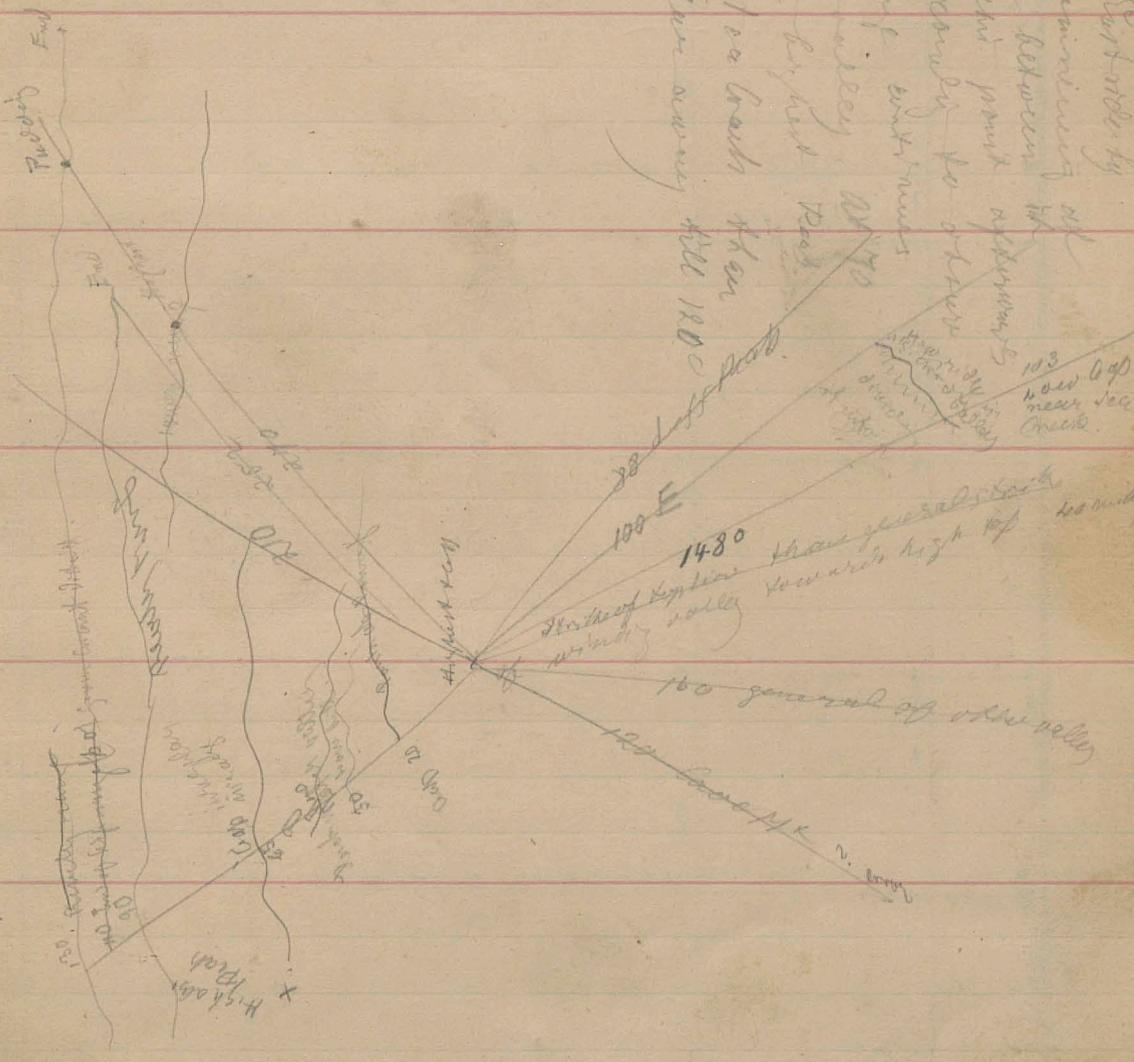
240 square  
Water  
mud  
Entrance of Canyon  
12° to Canyon  
12  
Basin  
200 ft  
to Ogden

At Mrs. Charles Hill's Encampment 18053



Obs from Base Range (Asper Top)

Found 10295 when  
east of us



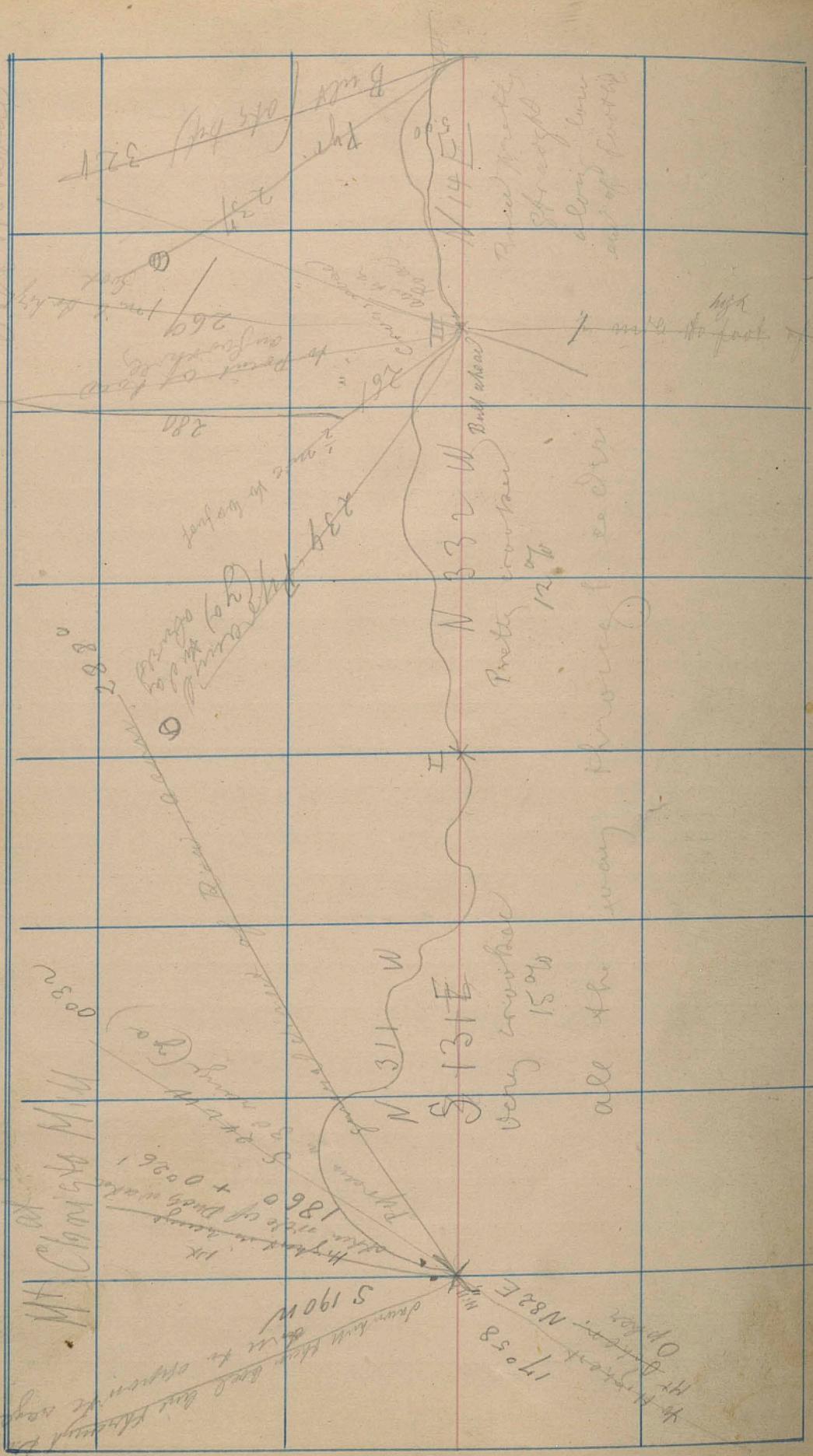
ground valley is formed in the East order by  
a partly high range examining  
40 p.m. was seen, NW of above between  
and Brickett name on this point  
possibly that place accordingly to others  
along range. The range continues  
about well N 5° along valley. 1480  
85 feet low facing by high road  
at 90 feet. Deep seen 100 feet than  
higher top and 20 feet away till 100  
degrees

103 low top near sea creek

1480 than general strike towards high of ...  
160 general of older valley

Turn over hill

Camp



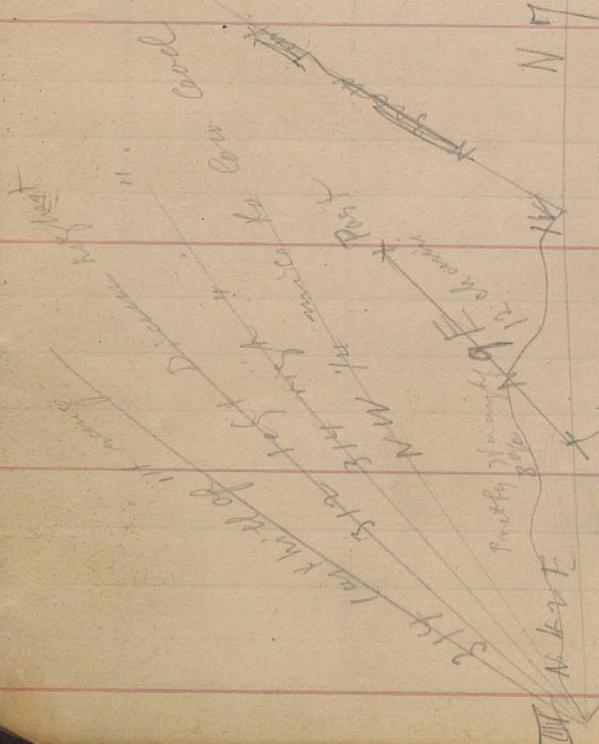
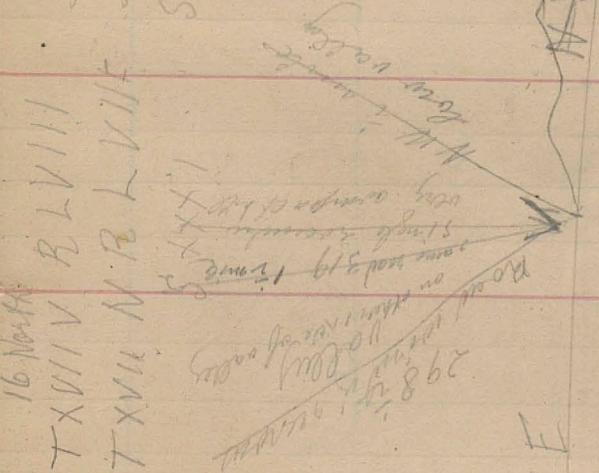
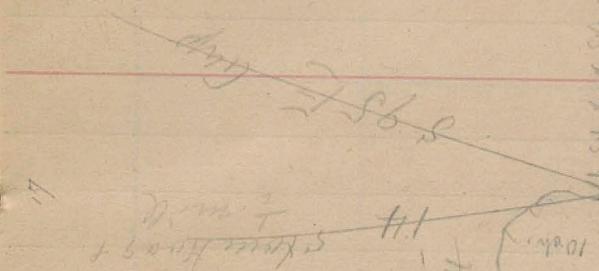
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Mt. Christo M.V.

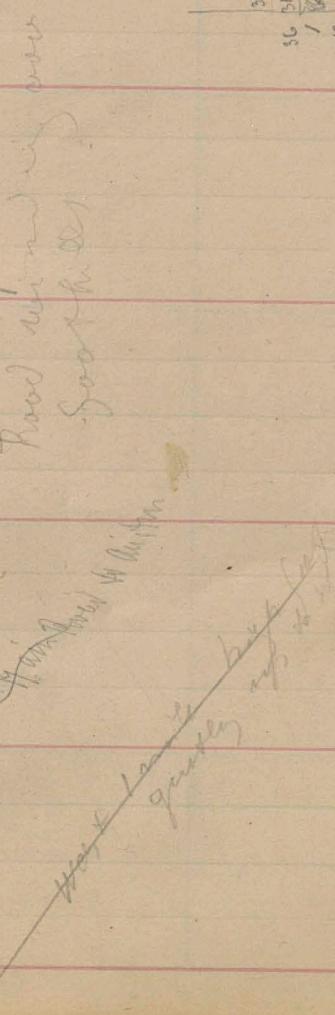
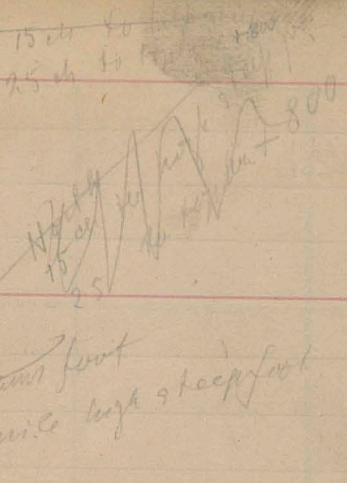
Mt. Christo M.V. 17° 58' N 82° E

16 North

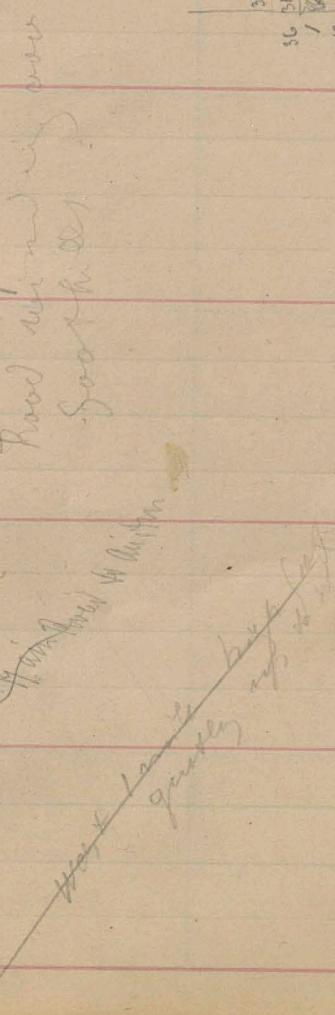
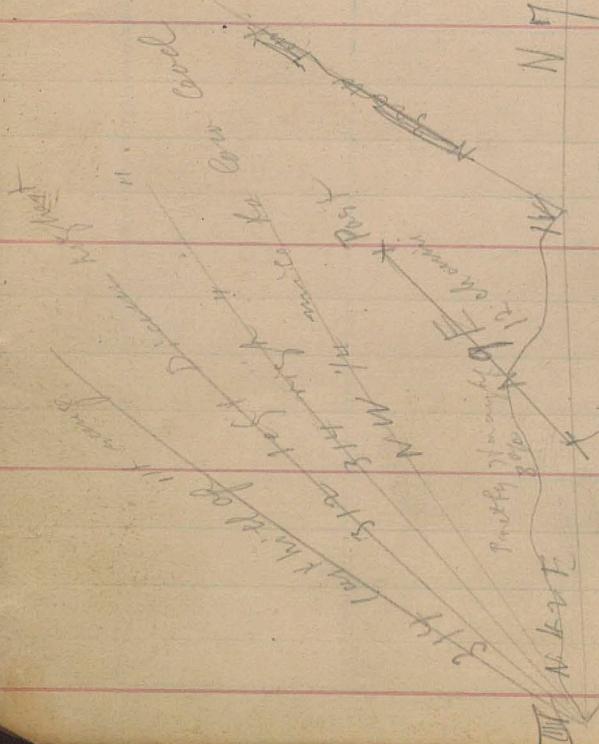
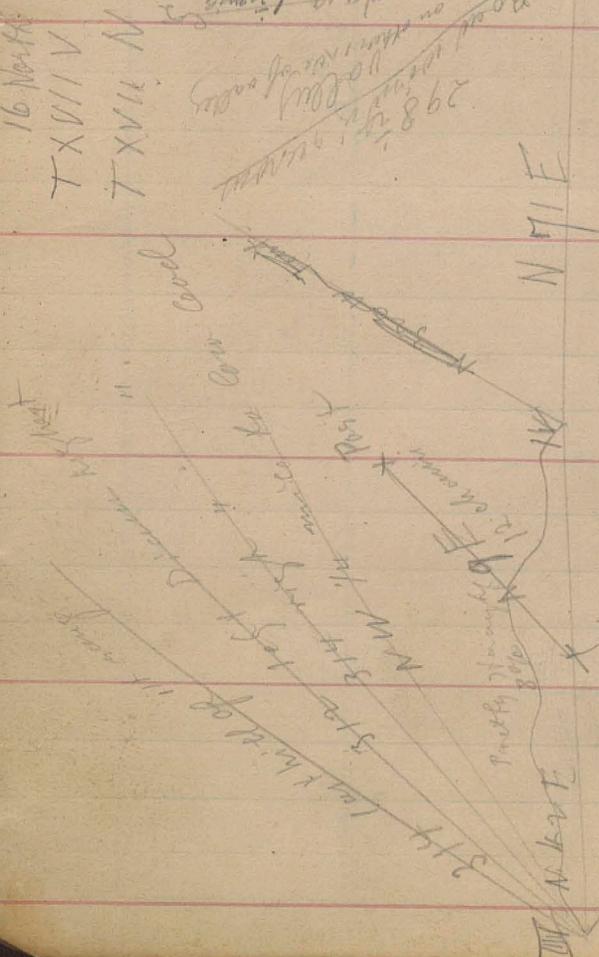
TXVII V B LVIII SV  
TXVIII N B LVIII SVI  
TXIX N B LVIII SVI

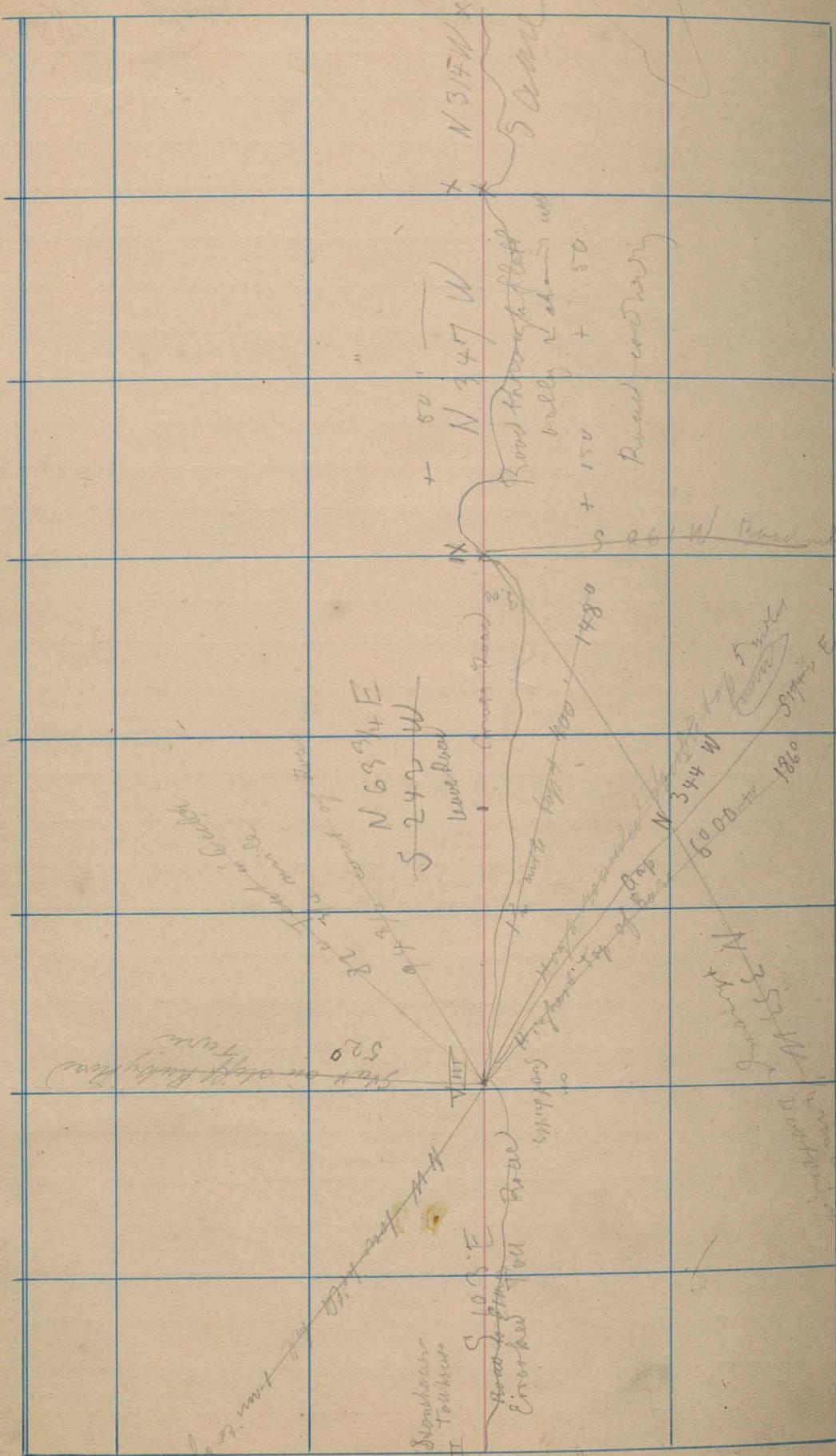


TXVIII	30	35	30
TXIX	30	35	31
TXVII	12	32	18



17





Start on edge of Park  
520

N 68 3/4 E  
S 24 1/2 W  
Level Road

+ 50' N 34 1/2 W  
Road through the flat  
bally & about 100  
+ 150 + 50  
Road on edge of Park

S 26 W Road on edge of Park

(Cross Road) 50'  
1/2 mile to top of hill 1480  
N 34 1/2 W  
6000  
1860

5 miles  
Stippled E  
500

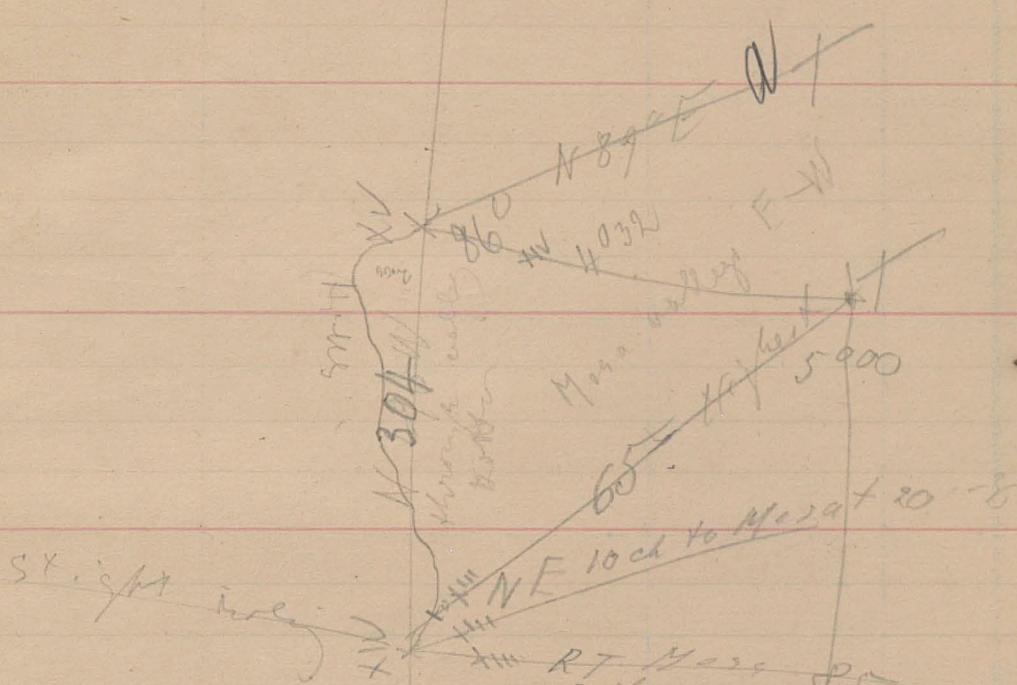
Point N  
At 55'

Stambour  
Talker

S 10 1/2 E  
Road on edge of Park  
Crossed the Road

to on west side of the road

to on west side of the road



SW. 1/4

304

through eagle  
rocker

Man. valley

NE 1000 to Mezat 20-8

RT Mass 95  
3 miles to high fork  
of top of ridge

N 340 3/4 W

X

N 311 1/2 W

X

N 311 1/2 W

X

N 310 1/2 W

X

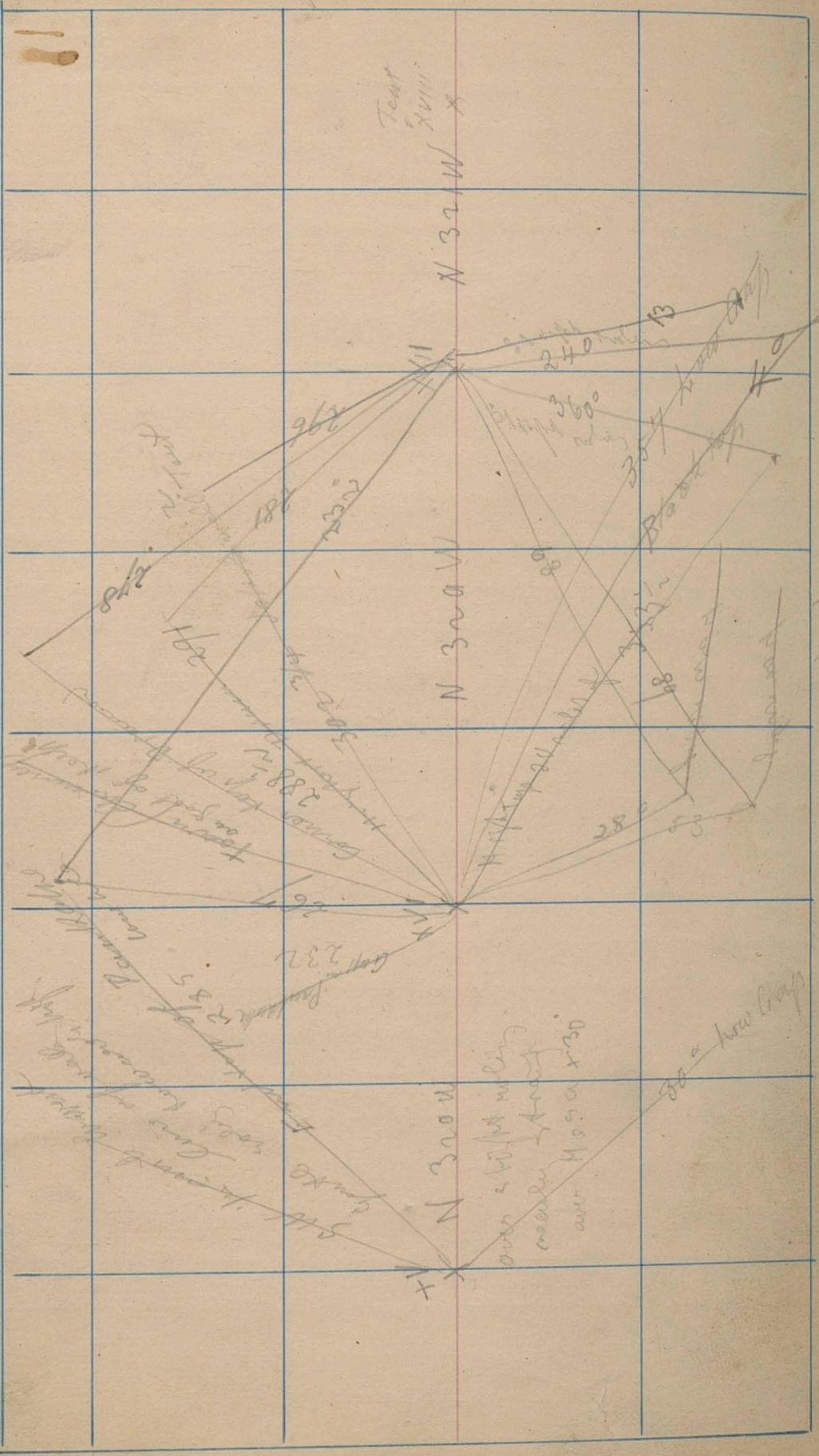
20 miles  
+ 20 miles  
Lough 1/2 mile

Arrow through  
feather spring  
valley + 10-20 miles

all along low fork ridge  
in 1/4 - 1/2 mile and  
29 miles  
50°

Summit  
Station  
XVIII

Test  
Summit  
XVIII



2860

Corner top of hole  
2880  
corner top of hole  
2880

Corner top of hole  
2670  
Corner top of hole  
2670

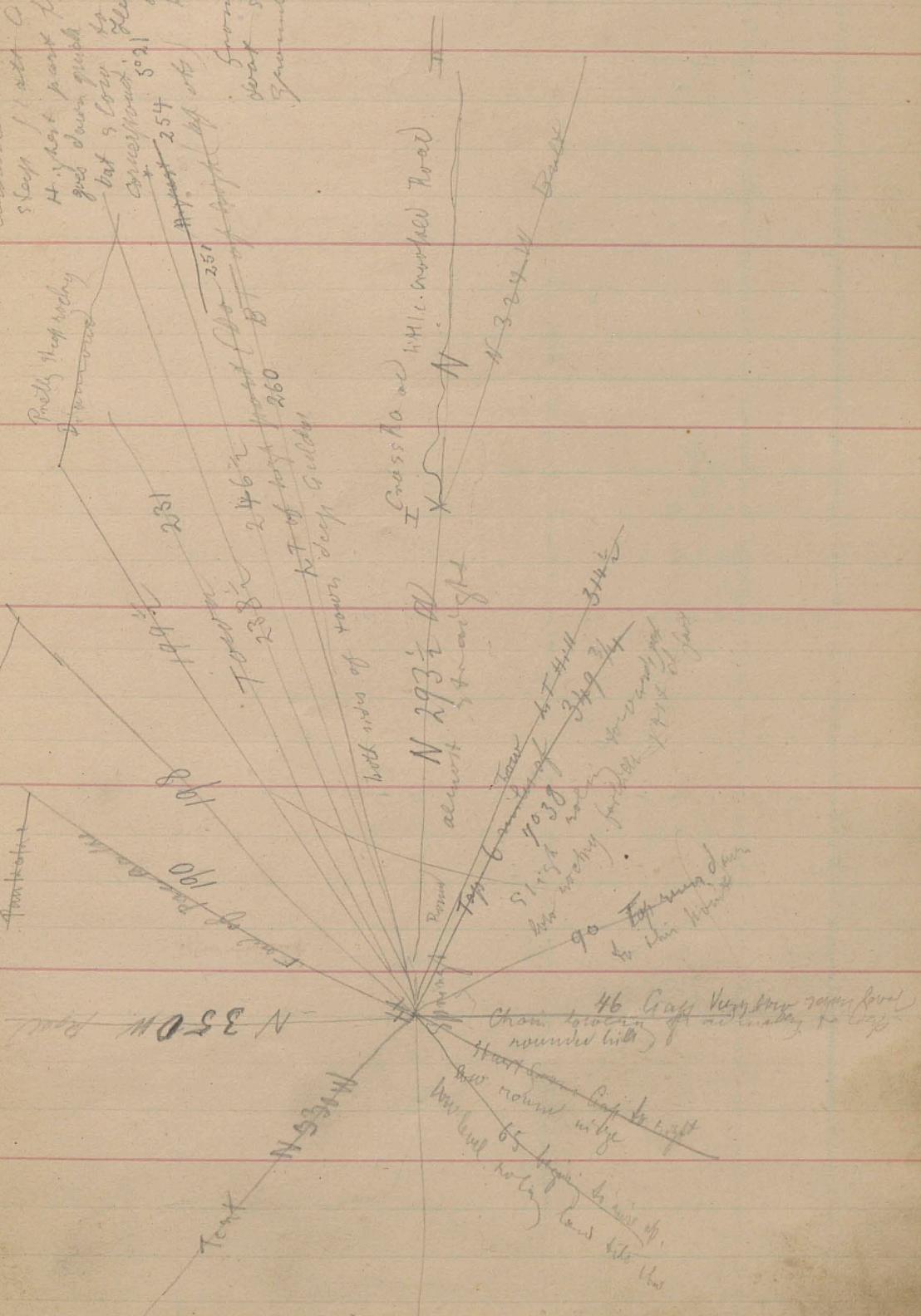
Corner top of hole  
2670  
Corner top of hole  
2670

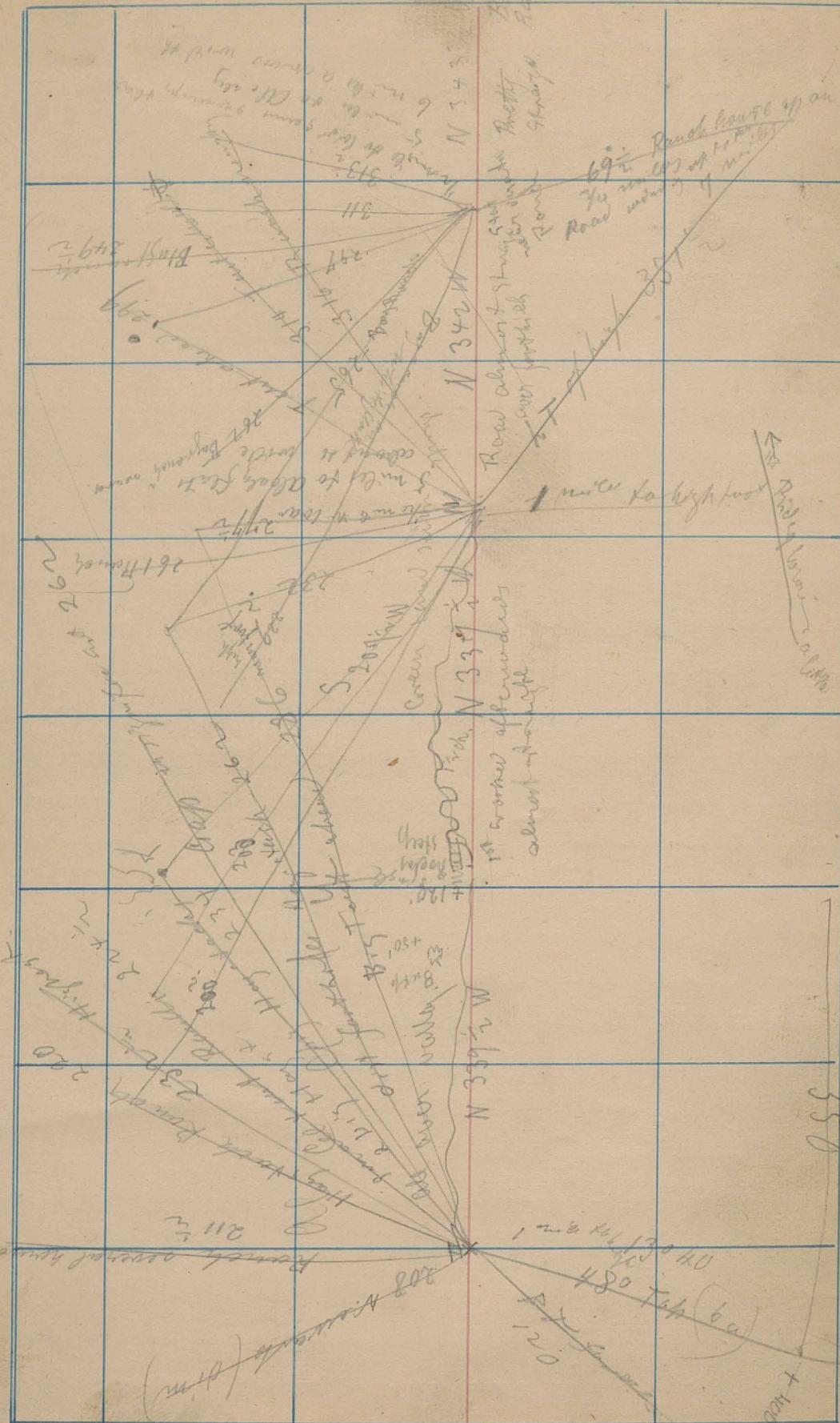
over 40 ft in line  
nearby station  
approx 110 ft x 30

200 ft  
low Chap

low Chap

Highest Diamond  
 Roof from West side  
 commence to reach end  
 Sleep 1 with O. east  
 H. east part from corner H. 10.  
 goes down quite W to H. 6. east  
 but 9. goes to the West  
 corner/west. Here without  
~~251~~ 254 says collected  
 pretty continuous  
 from here the  
 West slight rise  
 ground





VIII  
N 21 1/2 E  
1/4 mile

3 mi to the narrow Valley

2 miles  
1150  
+ 600 = 1750

N 34 1/2 W

237 to 235 the range 1/4 of

from  
237 to 235 the range 1/4 of  
235  
236  
237

Some water in valley bottom  
2080  
1000  
1000  
1000

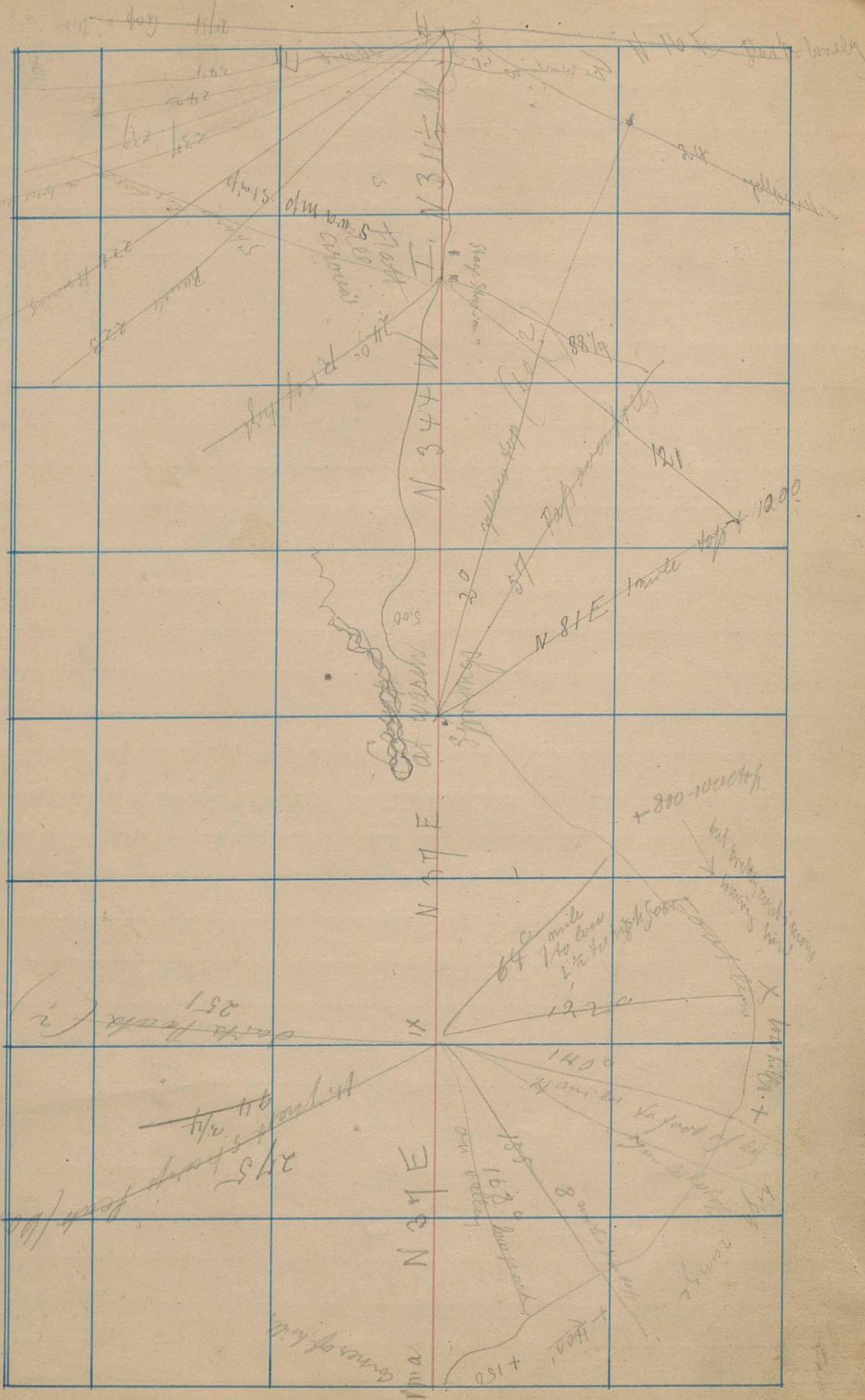
15 ch to foot of peak + 1200

N 34 1/2 W

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Birds pond  
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+ 1000  
200  
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+ 1000  
430 2 miles to foot

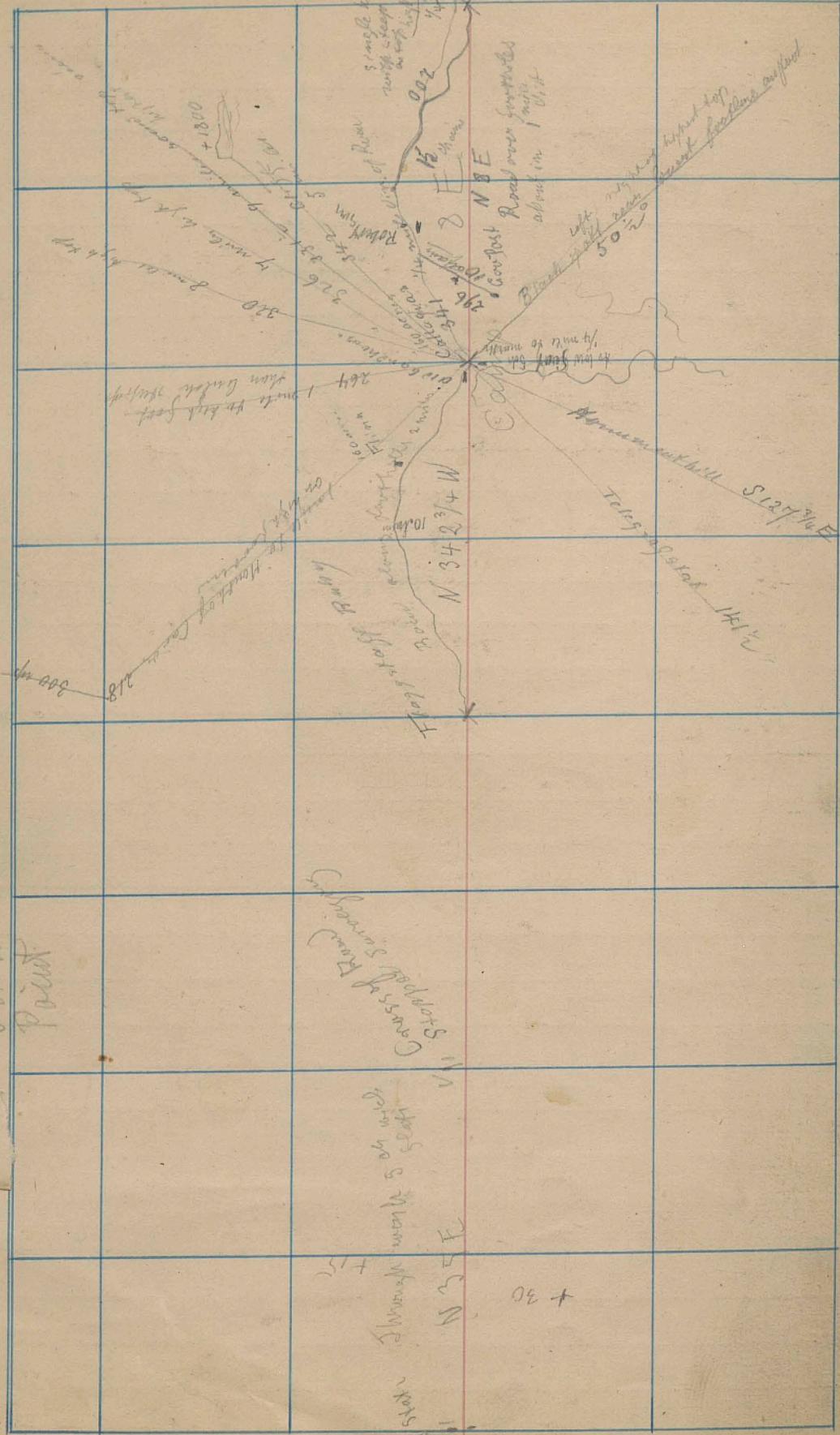
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CONNECTION

Point



Survey of Road

Shaded area 5 by 10 ft

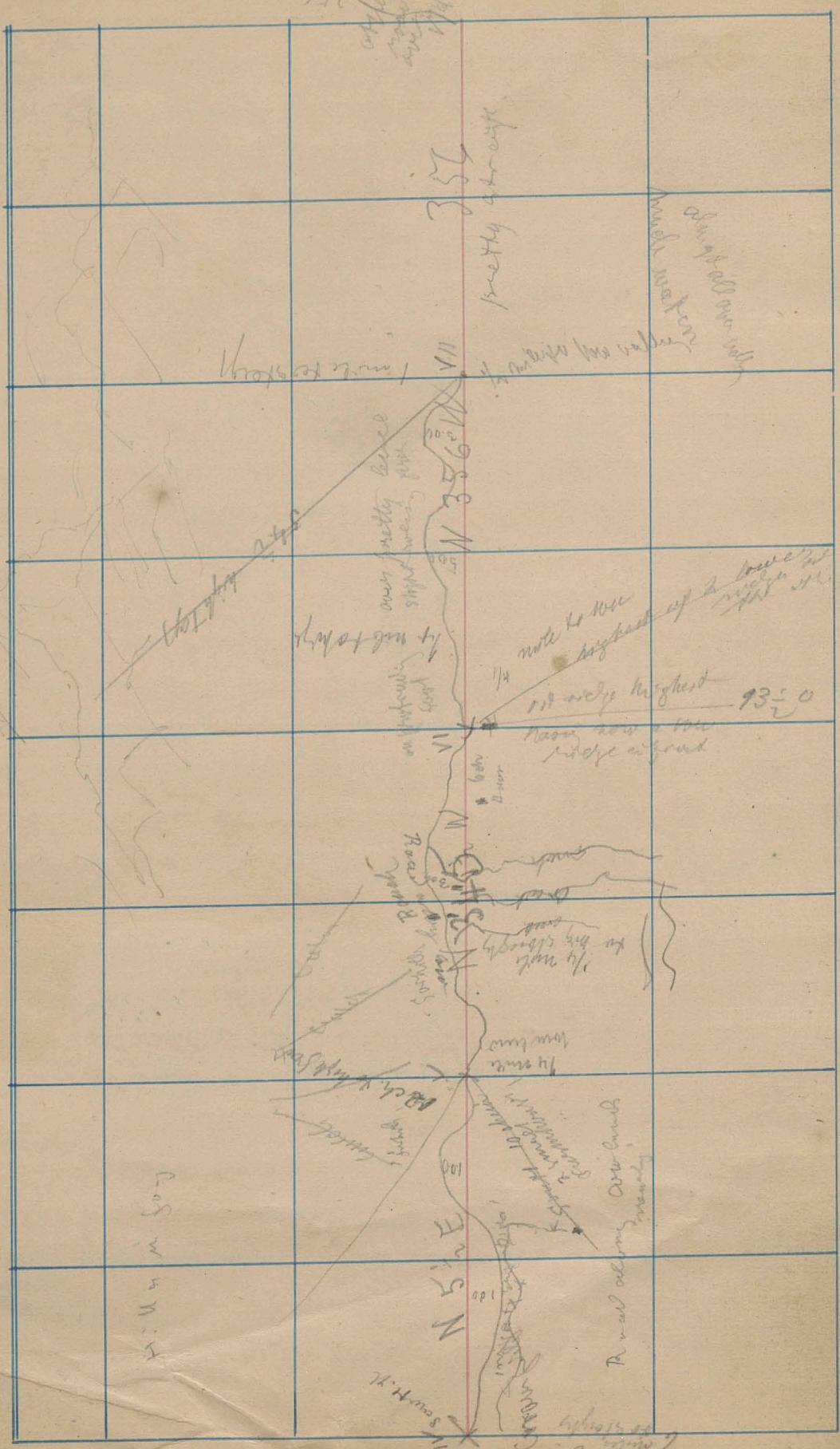
+ 30

1/2 mile



mostly  
 features along the valley or profoundly weathered

2.5 m in long



road

1907

in fact little history to it

Site on this side of  
 protruding foot

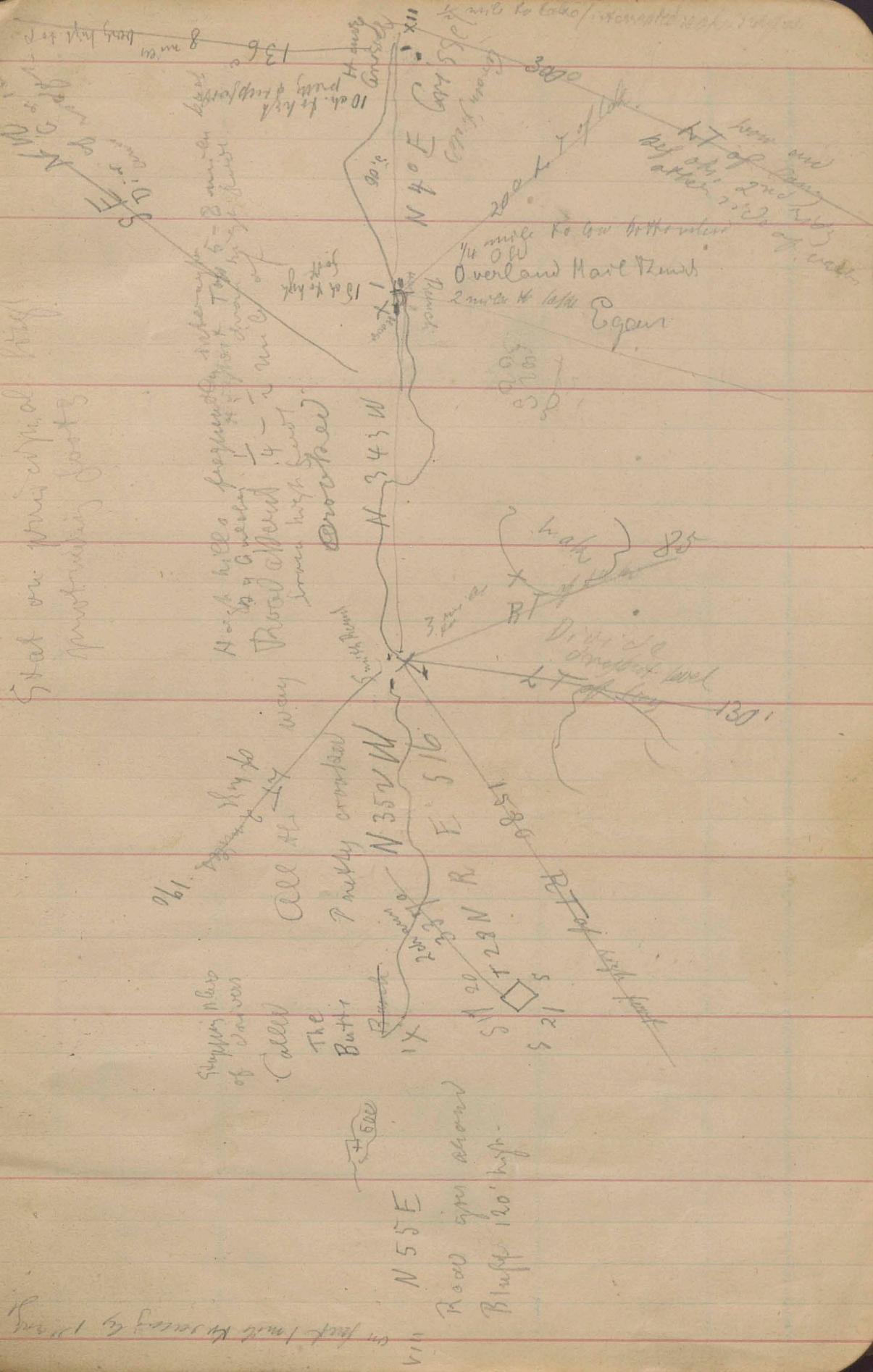
Supper place  
 of James

Called  
 The  
 Butter  
 Ranch

All the way  
 Pretty crossbar

0.61. ~~Agave~~ ~~fly~~ ~~sp~~

N 35 W will frequent  
 to 30 ft. ~~to~~ ~~to~~ ~~to~~ ~~to~~  
 Road ahead 4-5 m. ~~to~~  
 some high spots  
 Overlook



N 55 E  
 Road goes around  
 Bluff 120' high

S 21 S  
 S 21 S

3 miles

Mark } 25  
 BT }  
 Divide  
 Dotted line  
 130'

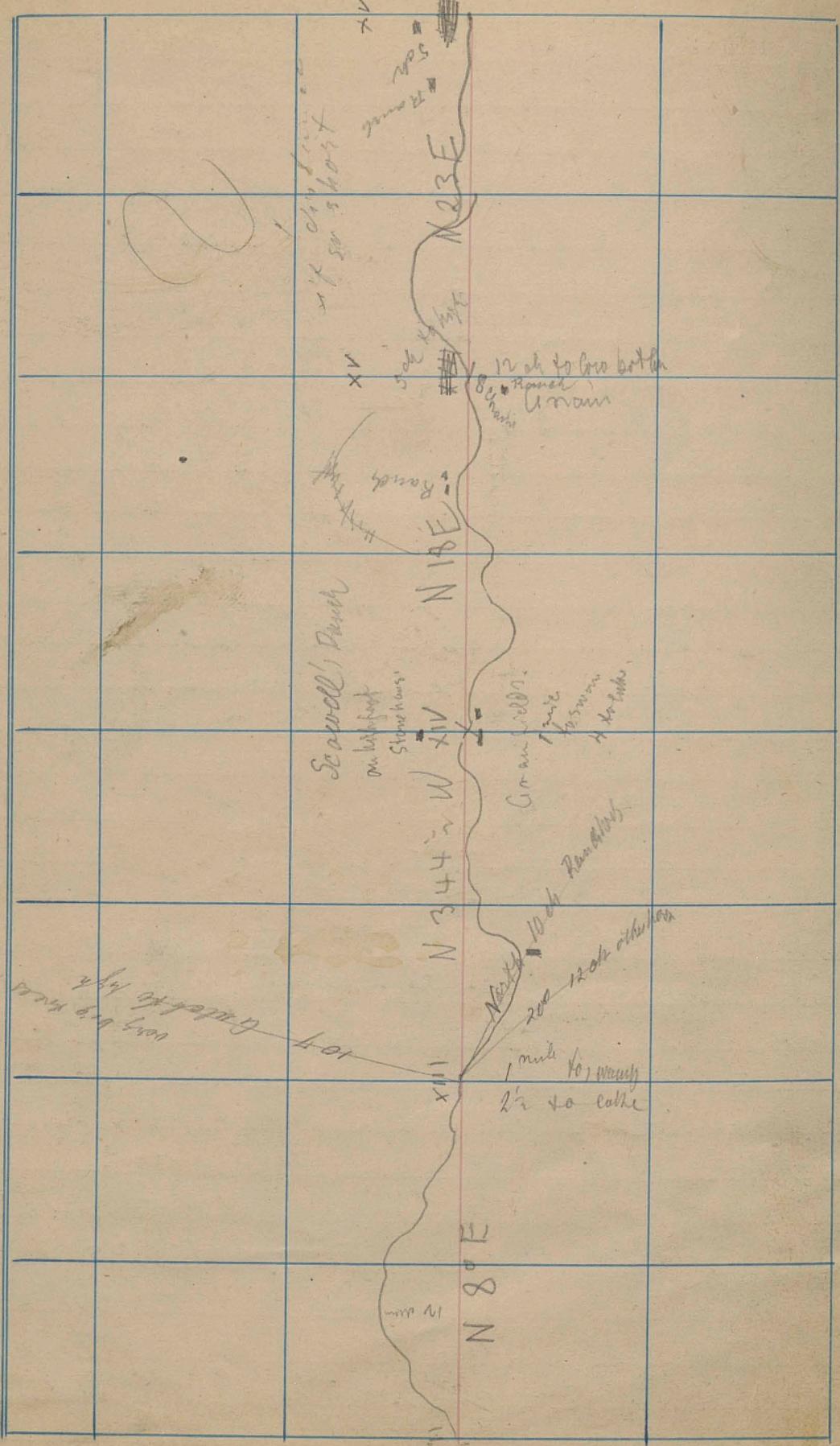
1/4 mile to low water  
 Overland Mail Road  
 2 miles to 1800  
 Egan

N 40 E  
 300 ft. to top of hill  
 100 ft. to top of hill

100 ft. to top of hill  
 200 ft. to top of hill  
 lot of 2nd 3rd  
 200 ft. to top of hill

N 40 E  
 136'

N 40 E  
 8 m. ~~to~~ ~~to~~ ~~to~~  
 Very high



XVI

XV

XIV

XIII

XII

N 23° E

N 19° E

N 34° W

N 8° E

1/2 mile to high way by road down

200 200 ft above

500 ft high

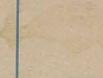
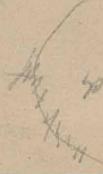
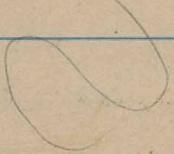
12 oh to low bottom

Scavell's Ditch on left hand side of road

Gravel wells. 1 mile to station to take

1 mile to, nearly 2 1/2 to cable

107 Gate to high way by road down

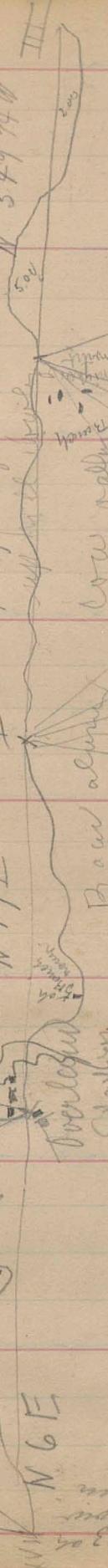


1/2 mile

S. Mountain  
Hills in fog

Myers Road  
1 mile to high road  
N 14 E  
Metty's trapflow II  
cow only

Road is average 1/4 mile from high  
I  
N 19 E  
Row almost



Round back top 202  
Bearing to town over road by south end

Leaks 8 inches at least  
215 1/2  
243  
237

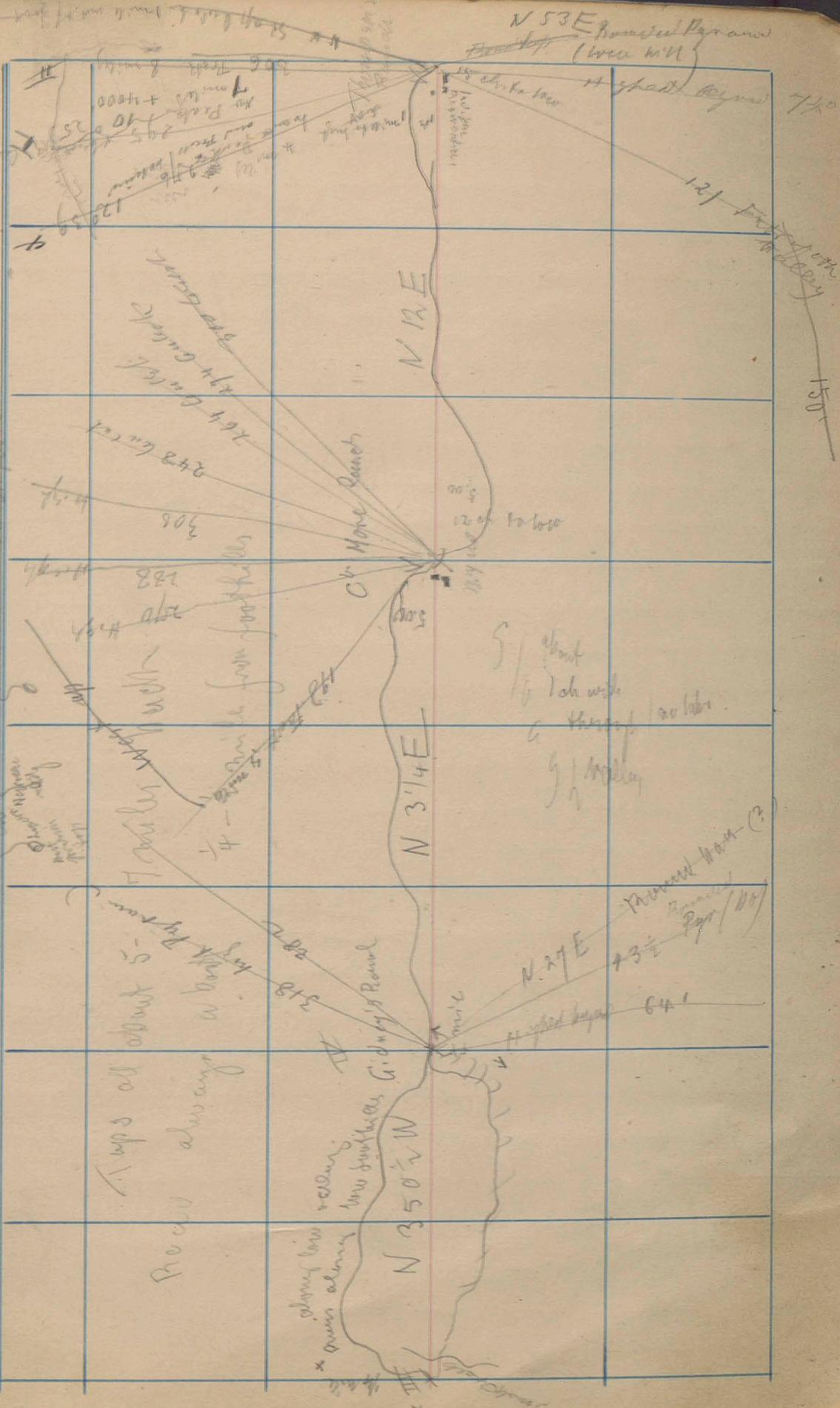
56 Highest bog only  
58 white speckled high low  
82° 47' way low point  
1st left to left  
84 1/2

280° 6 miles to high point  
Sta. 2 3 miles to Sta. 1 + 600  
H. H. + 4000  
280 miles  
200 to + 800  
200 brushy road  
282 high road behind a  
267 high road 6 miles to the  
in mountain valley

Station  
E W  
to road

Overland  
Farm

Remains Type of vegetation  
 Some of the sandy beach woods  
 are very narrow, some are about  
 100 ft wide.



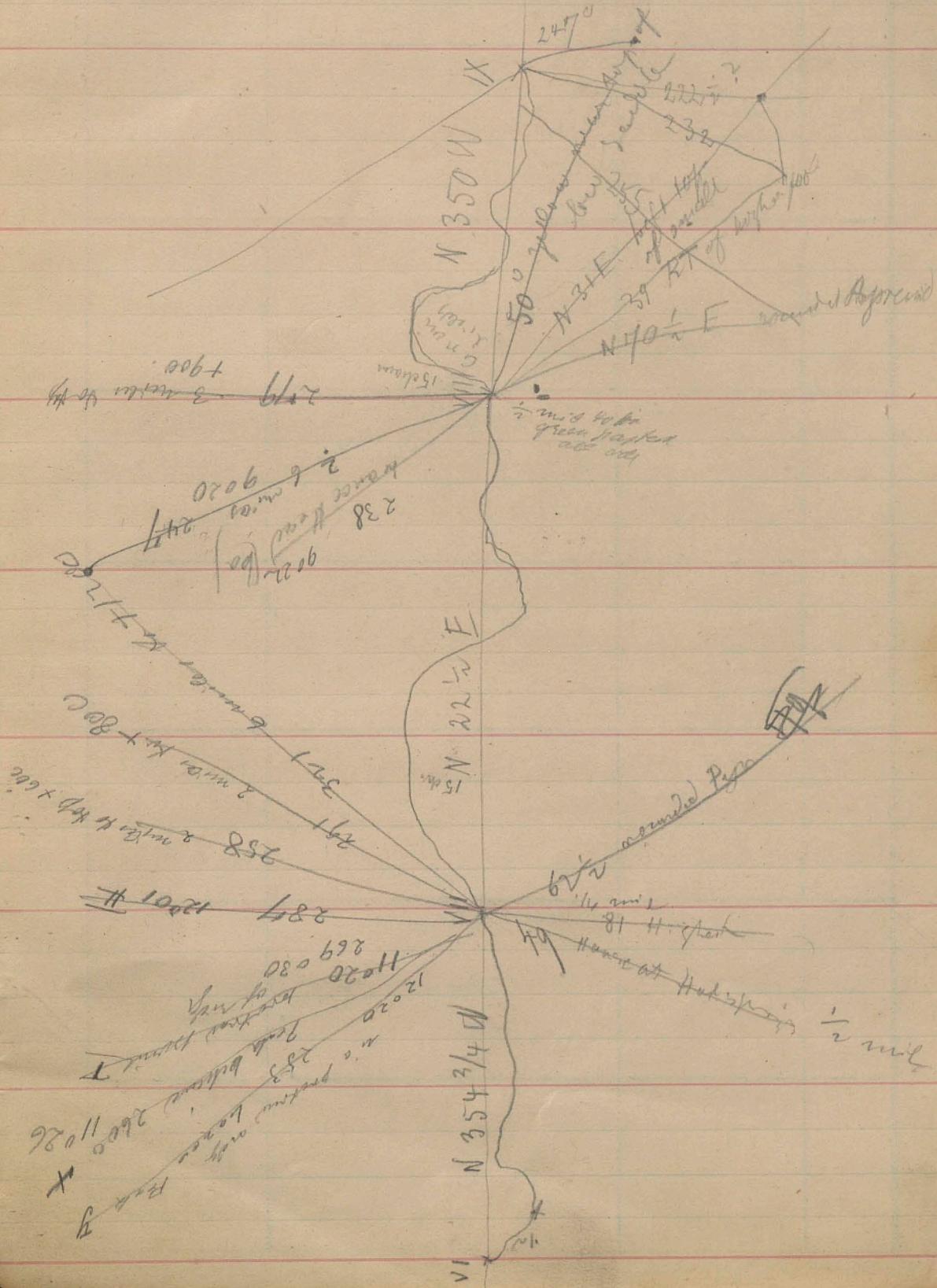
Beach along  
 1/2 mile all about

along low  
 water along

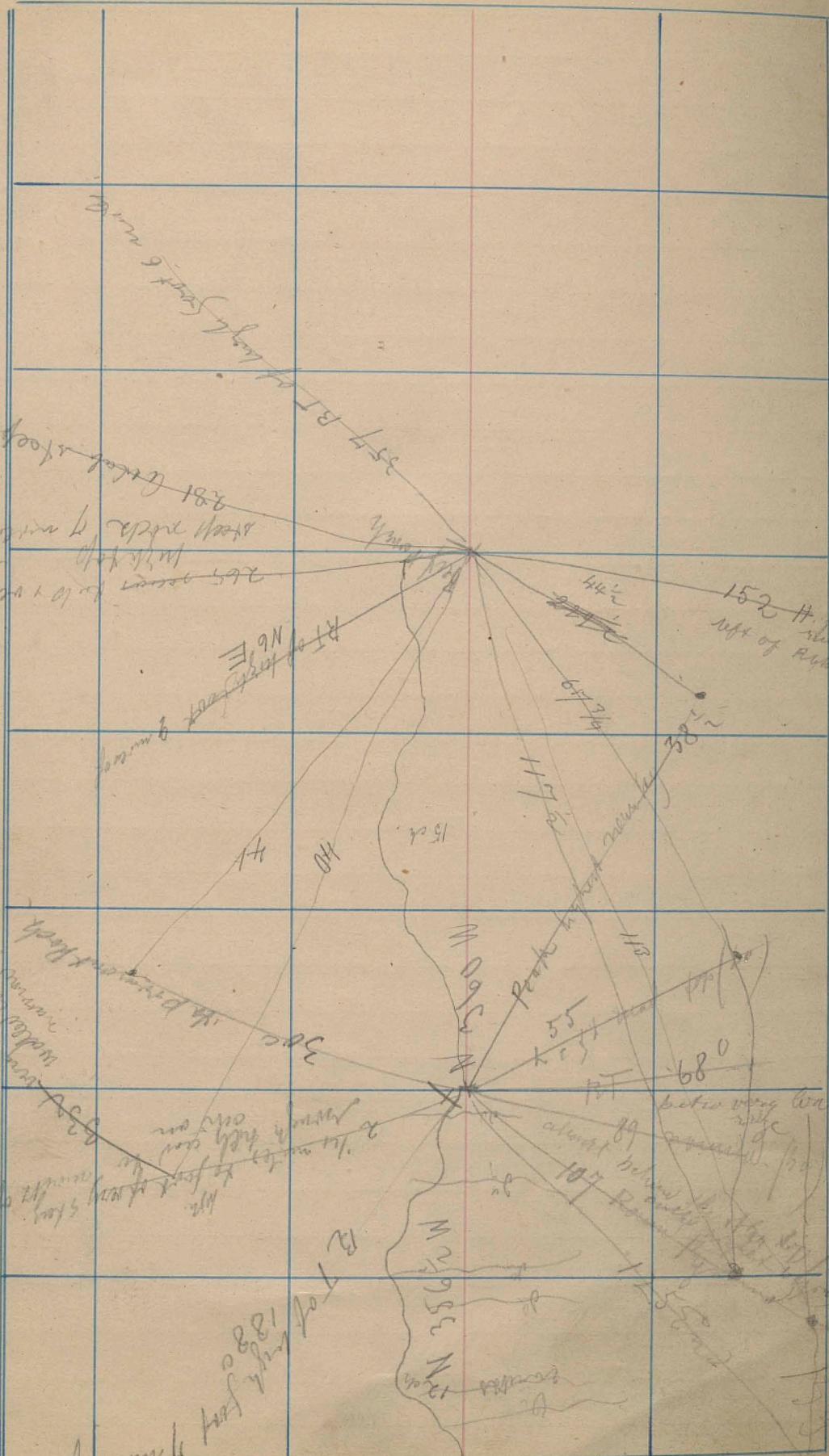
Mound No. 1  
 73 1/2  
 641

750  
 150

n 20 dined of  
 Geological ridge



Beef Ranch



N 24 W

N 20 E

N 323 W

N 22 E

N 22 E

N 43/4 E

lower part long  
down to level  
ground.

3 miles to part of lay  
dis. of wooded hills  
a more valley.

1 1/4 mile  
2 1/4 mile

Franklin  
Secret  
from Bow  
crossed  
1 mile of  
valley very  
crossed

15 ch + 4 mile to high

Ridgy covered

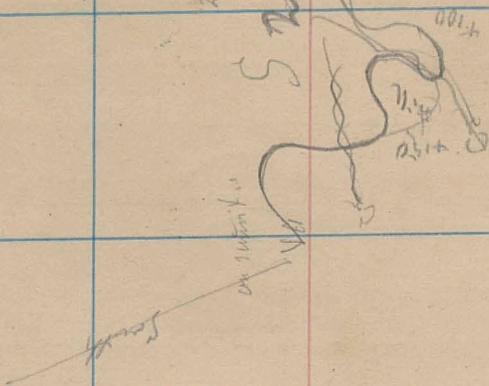
seen  
to  
cross  
small  
valley

24/60

299<sup>th</sup> M. Road W. A. 11/11

269  
Crest of Hill  
to Hillside

269  
S 269 W



at 11/11

2

11

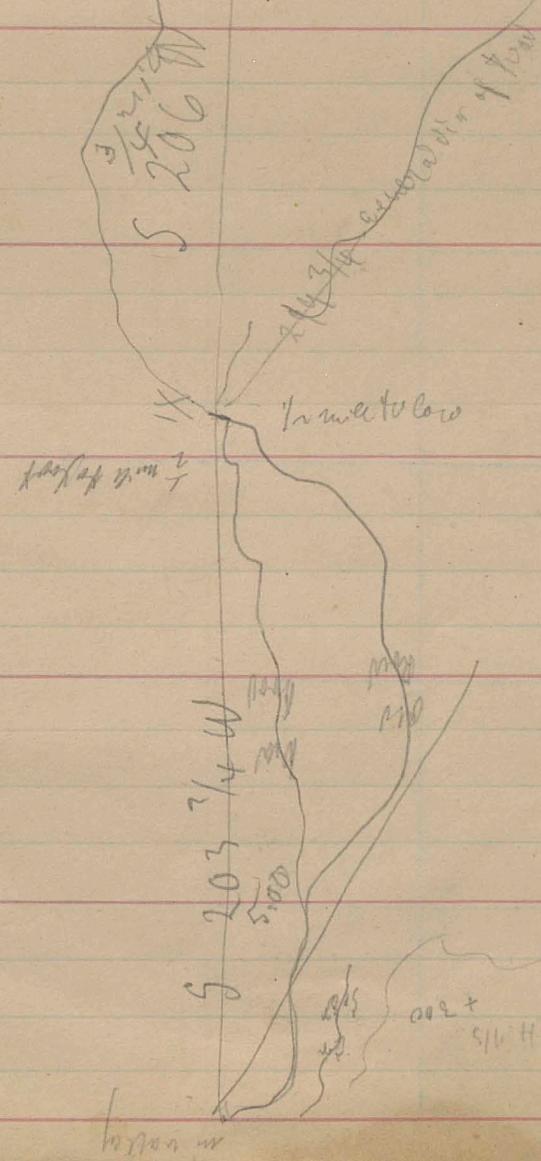
269



269



Cont of Fumod. K. 201



Copy.

27-3-5-1.

Surveys W. of the 100th Meridian.  
Book No. 7, Topographical Records.  
Potosi to Hallech. Vegas, Indian  
Springs, Queens Canon, Trogan (?)  
Spring. Hamel No. 7. "Surveys for  
Military Defences Military Dep't  
of California. Geo. M. Wheeler, U.S.  
Engineers. 1869. Book No. 10."