

Engineer Department, U. S. Army.

Book No. 11, 1871.

METROLOGICAL RECORDS.

Party No. _____, _____ Section.

Camp at Carlin Nev, May 21, 1871.

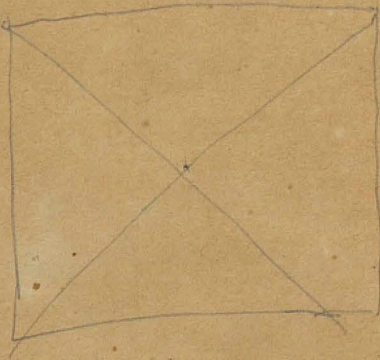
To Camp at Bullion City, May 23, 1871.

_____, In charge of party.

Geographical Surveys West of 100th Meridian.

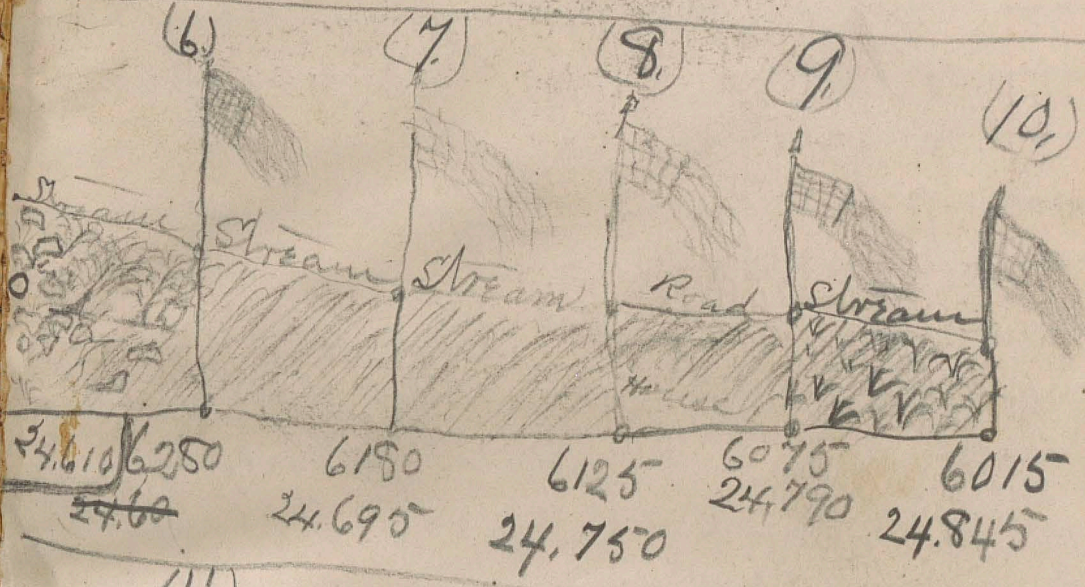
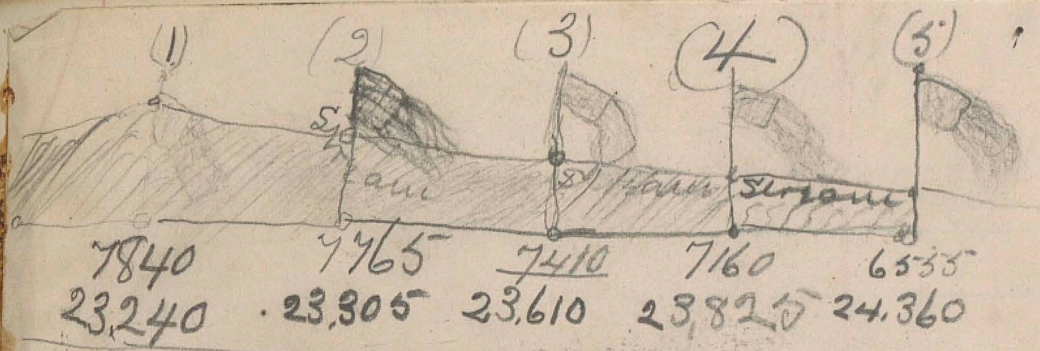
7275

Cons. Mini
Erectas

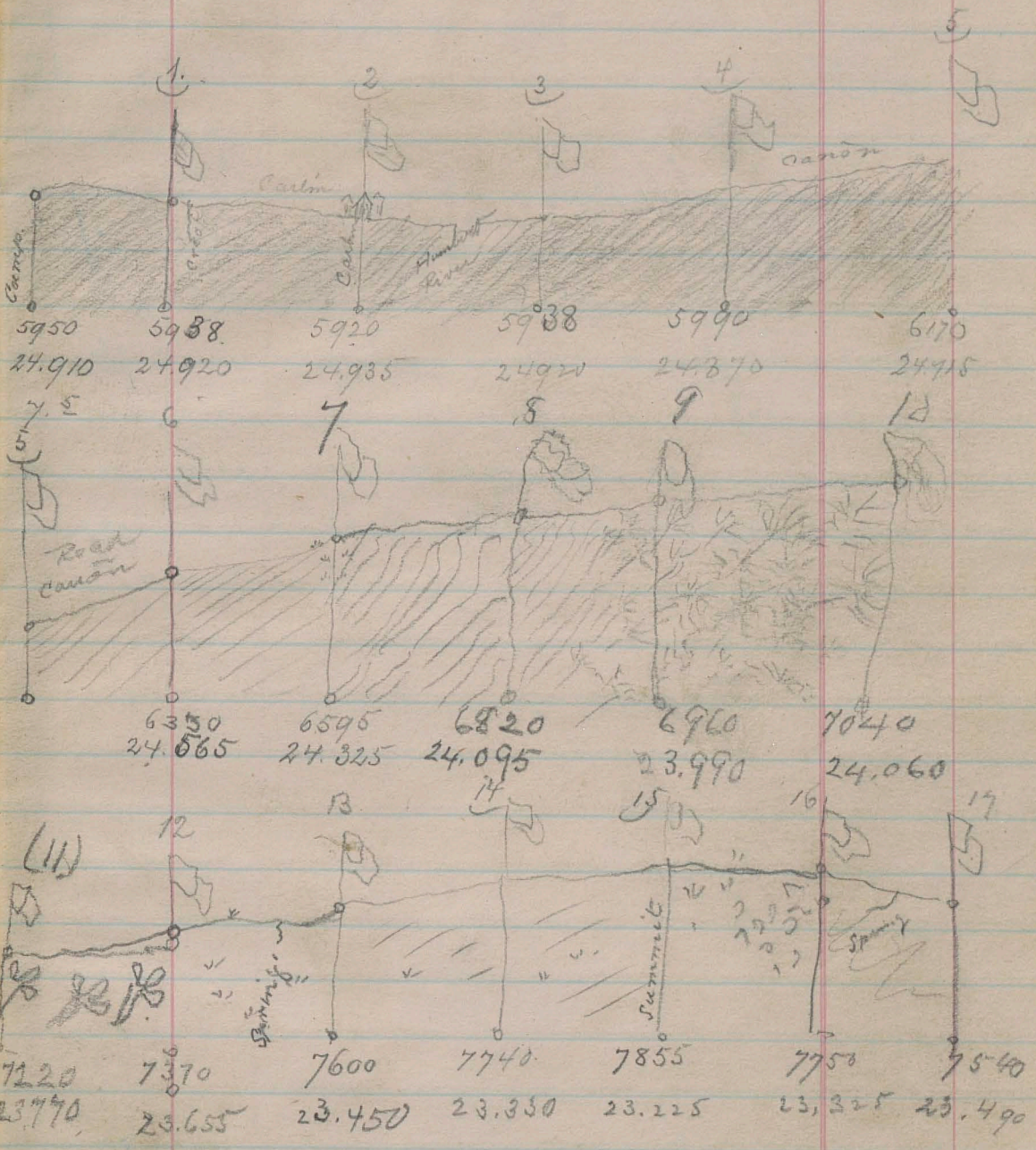


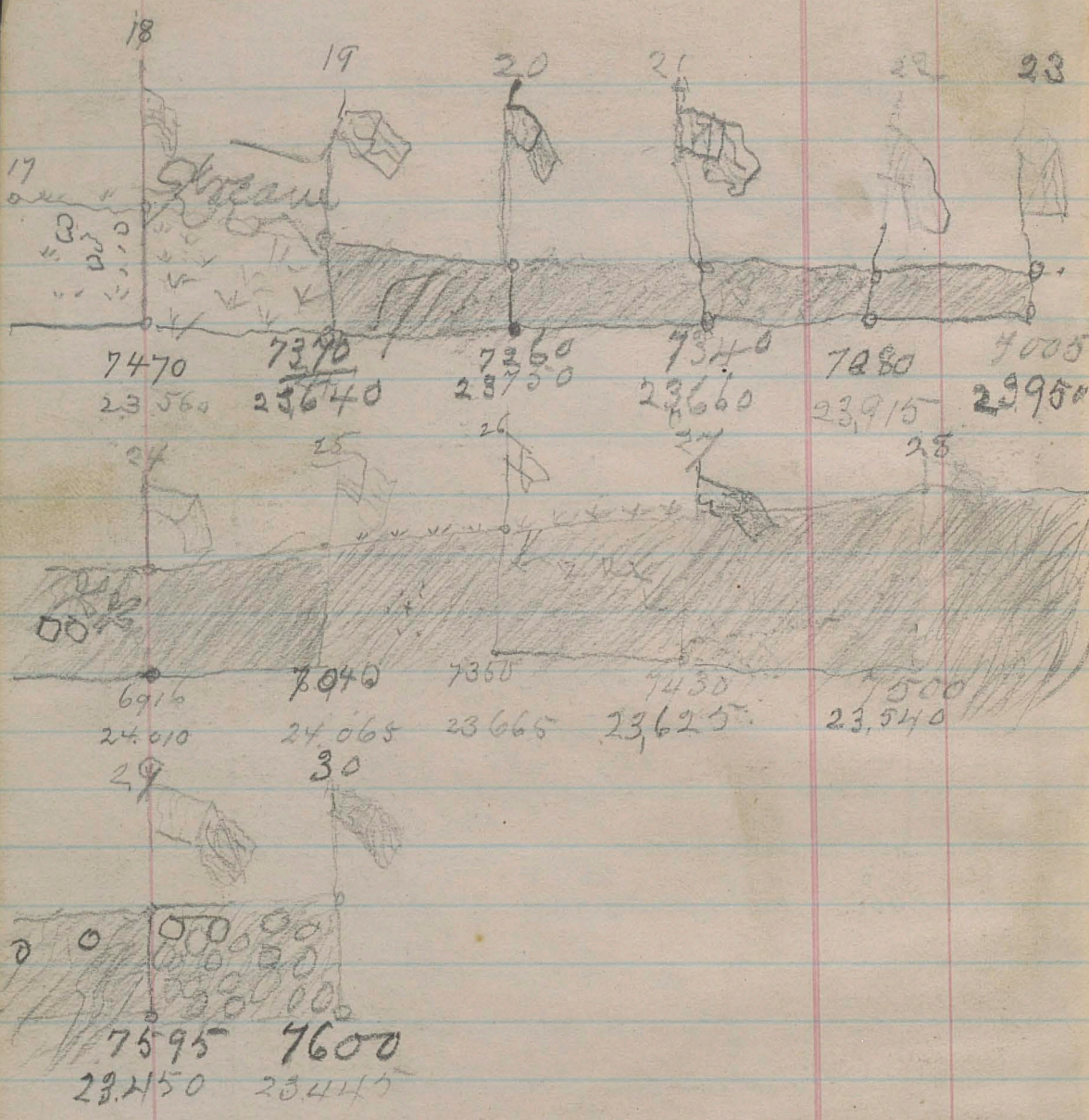
48.30

57.64



May 21st 1871. Camp near Carlin Nev.





May 23rd Bullion City to Stumps Ranch.

Spring Valley District:

Enquire for road from Eureka
to Belmont via Sawville ^{and} Morey & Hot Creek
also Eureka to Austin ^{and} Sawville to
Austin.

See Mining Recorder Enquire how many
smelting works, mines ^{and} what the names of
the principal mines, amount of shipments
of Bullion, average per ton, ore or rock.
Total number of inhabitants, Water & fire -

Get information from Dr. Keeney Editor Star
about City ^{and} inhabitants.

See about - the Mining District ^{and} its boundaries
as respected at present.

See about Roads again.

"Lamp Glass to Lewis."

1864. Sept. 19. th

This District shall be known as the
Eureka Mining District and shall be
bounded as follows viz.

Beginning at the place where
Eureka Creek or Canon crosses Simpson's old
road, as laid out by him in the year 1859,

Thence following said road westerly to a
Spring in the Middle gate, Thence Southwesterly
along the summit of the Mountains to the
first Valley, thence Easterly along the base
of the Mountains to Simpson's old road
Thence Northwesterly along Simpson's old road
to the place of Beginning. —

W. Key, son of Capt. Keys Sup^t of Lands.
Mining Co
Mr. Stillman, Assessor. —

Stage Road Eureka to Austin 85.-

Eureka Twin Spring Station 29. ^{Camp I}

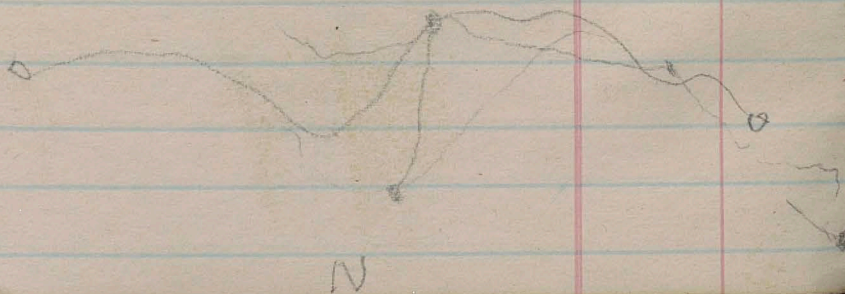
Hay Ranch 14 miles from E. only
Waterplace between here & Twin Sp. St.

Simpson trail water at 16 miles
Troy Creek Station

Cap Horn Station called 15 miles
from there to Austin 15 miles

Twin Creek St. 10 m. Willow St.
Willow St. - 32 - Cap Horn

For a small train the W. F. Agent
will kindly furnish order for water
at Station. -



Eureka Moray via Secret Canyon

to Lina Canyon follows the Road
to Fish Creek Ranches 15 miles
after leaving Canon Fish Creek
Valley is found. —

Benny H. Kernin at Fish Creek
Ranches. — will give all information needed,
he is reported as very obliging gentleman. —
Suburban at Fish Creek don't
believe him. —

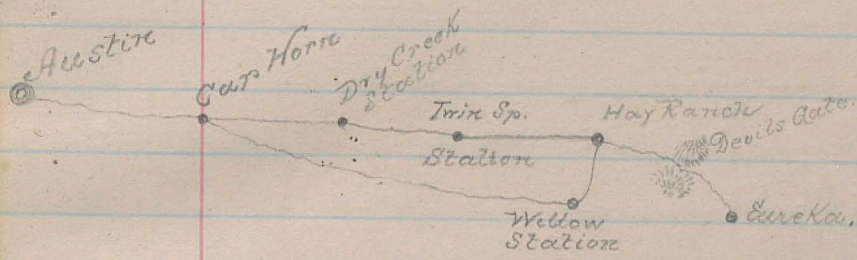
Hunter & Brooks - 15 miles - Harold Ranch
^{Spur}
to Moray 30 miles —

Rustie to Sawville about 60 miles
water all along road. —

Lide Trip Hot Creek 25 miles towards Canyon

Moray to Hot Creek

7
Eureka to Spring Valley 120
Spring Valley to Morey. 35
Harbo Rauch 15 miles from
Spring Valley the only Water
Station between both points. —



Friday the 9th 1877.

Accompanied by Messrs Will^{ms} & Richards
I left Barab about 8³⁰ A.M. and visited
Mr. Keyes, the Sup^t of the ^{Eureka} Consolidated Mining
& Milling Co., who kindly promised me day
before to accompany us to the Mines of the
Company. About 9³⁰ we started from
his office and after a ride of about 25 M^s
we arrived at the Mine, the first shaft
on side drifts Examined was the one to Chamber,
inclined.

Next Savage then Rockay Middle Shaft
North & South Shaft and the Main Shaft
Key Shaft. —

The Company is called Eureka
Consolidated Mining Co. Stock Co.
Principles ^{J. T.} Lawton. President, Lloyd
Tewis, Geo. Keist, J. W. Gashweiler,
Henry Thompson & Co., and others.

Sup^t = W. S. Keyes - (W. W. Traylor
Sec.)

Mines Packeye, Champion,
 Robinor, Magnet, Savage, Sentinel
 Roselaw, Mammoth, Jupiter,
 Elliptic Triangle, New York. —
 At last, Marguerite, Lookout. —
 Located on the Southern part
 of Ruby Hill.

47 Men are engaged in the
 Mines. —

The ore worked at our Smelting
 work is average 100 - 140 tons. —
 yesterday 110 tons were turned out
 and furnace idle. — Monthly average
 4500 tons of Bullion shipped to N.Y.
 The Sm. Works consist of 5 furnaces.
 four only in operation

The Returns of last year nearly
 2000 tons. average value \$350.
 a ton. —

Cochen at the Smelting Works. —

6 July 70 up to this date, —

Paid in dividends	125,000
Ore & Coal on hand	275,000
Improvements	75,000
Billion in transit to,	75,000

Steamer for hauling Ore and Coal
are contracted for, ~~the average number~~
Indirectly there are about 500
independent upon this Company. —
This includes Steamers, Coalburner, Wood
Choppers, Carpenters, Boats &c. —

Dain is North 32° N. according to
the U. S. Survey for Patents. —

Dain there is depth 30° N. E. quarrying
footwall, clay about 45 feet thick

Dain itself 300-350 feet thick with
a thin crust or cap of Limestone. —

The ore consists of ~~down~~ the previous

of the Composition of
galena and arsenical varieties,
which are associate of iron
red black and brown oxides
of iron, & manganate (arsenate) clump
of iron, Oxide ^{of} lead,
galena, molypht ^{of} lead and
black decomposed lead ore,
kindred to stetofeltit now the
oxid of cooper is replaced by oxid
of lead. There are already in well
developed strata of ore East
bearing in thickness from 1 - 40 feet

This occur at considerable distances in
and thro the iron gang of the vein all
lying more or less parallel with
a quartzed foot wall. —

Champion's inline	125.
Savage	85
North Shaft Buckeye	70
Middle " "	175
South " "	150.
Main " Keyes	118.—
Sentinel Shaft	125
Harrosh Shaft	50
Lupita "	110

beside a number of small prospect shafts. —

Connections made betw. Champion's inline and Savage shaft and bet. N. M. & S. of Buckeye.

Two tunnels started to connect with Keyes shaft. —

One on the north Eastern one on the S. W. slope of the hill. —

Distance bet. the 2 tunnels
900 feet. —

This two tunnel will cut at
right angles all the ore bodies
which may be in the hill. —

Richmond Mining Co

~~Situa~~ Mines of this Company joins
the one of E. C. M. C. unobscuredly &

Ores are Exactly the ⁴/₄ kind,
Quality and

the Co own

Richmond

Colorado

and Virginia.

Have large bodies of ore in side
which are reduced at the Works
of Co in Eureka

The Works consist of one large
Smelting furnace one large
cupel furnace and one ^{small} furnace
for refining the bullion for cupellation
Catcher crucibles and sampling apparatus

Improve

Jackson and Thomas Mine -

Rosellus furcatus

Sir Wheeler to be asked if

about Racine,

" " Roads, as Killington Sunday

Mr. ^{Spring} } Eureka Dr. H. C. ^{Sunday} survey will give all
2. } information regard to Localities & inhabitants.

Mr. Keyes would prepare and furnish
a geological report of the Dist for Mr. Wheeler
if desired.

Topographical work around Eureka
finished

Uncollected Mines Examined and Points
for a report upon the subject on file. -

Judge Adams will give all information
about the boundary after Map of Vicinity
is prepared for, Sunday best time -

Sheriff Nelson about a deserter who
sold a Bay horse at Mineral Hill -

also

he as well as Mr. Adams must be acquainted
with roads to South. -

About Rations purchased.

About French. —

Ask Mr. Whelan to see Mayor Mc Coy
to see to get information about
Boundary of Pinto from him —

Capt Adams has not answered
my note yet & no specimens were
received from Pinto as promised
at the time I passed through there —

Show your rough copy of report will give
all what to be said up to Eureka. —

Ask to get Sketchbook for Richardson. —

For further groceries call at Barons. }
Station furnished up to this time } 2

Little
50 miles water

Twin Sp.

Austin
Randolph Valley

Alexandria

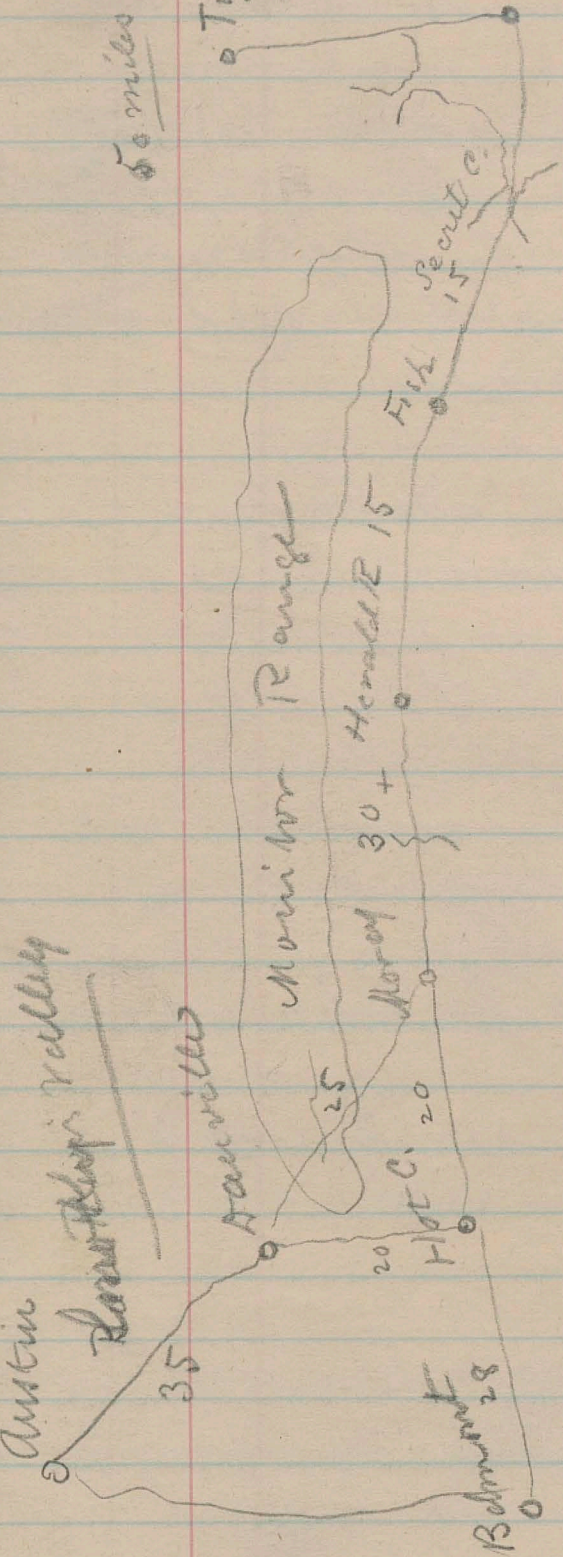
Monitor Range

Hot C. 20

Hot 30+ Herald E 15

Fish Secret C. 15

Belmont 28



□ Rosehart James Robertson Wilson
Richmond? □ Jackson Works

Buller's cup
□
9. Callis Roberts
Tidons

□ Phoenix
William
International

Eureka Spring Valley 12.
Spring Valley Herold R. 15
(Hunter & Bucks)

Herold R. to Morey, no water incl
- on way. 30.

Morey - ~~Belmont~~ - Hot Creek 20

Hot Creek Belmont 28

Eureka - Fish Springs 15

Fish Spr. - Herold 15

Herold to Belmont 48

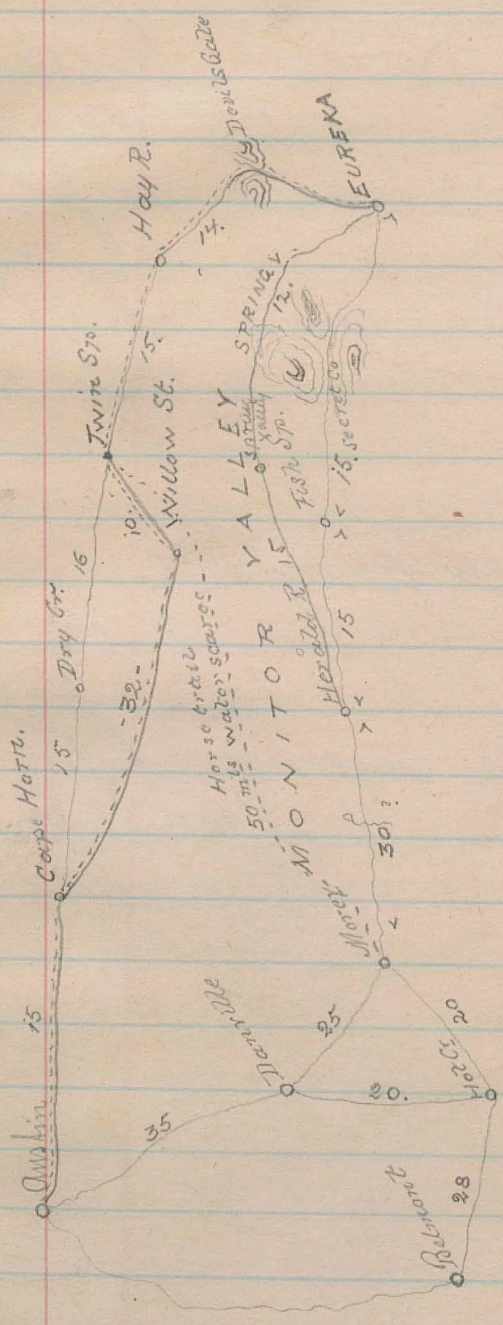
Horse Trail

Eureka - Twin Springs 29

Twin Sp. Morey, water not to be found
very easily. 50

Eureka Austin Stage Road - 85
" Simpson Trail - 75

For a small party Agent of W. F. would
give me an order for water on Stations
were water scarce. —



Austin 15

Copper Hill 15

Dry Cr. 16

Twine Sp. 15

Willow St. 10

Hay R. 14

EUREKA 13

FISH SP. 12

MONITOR 15

MORLEY 15

DANVILLE 20

COPPER 20

BROOKLYN 28

Hot so brack water sources 50-55 mi

35

30

15

15

12

14

15

15

15

15

15

15

15

15

15

15

15

15

Vanderbilt City, Lauder Co

March 12. 1870

Report of Committee on Boundaries

Resolved that this District shall be known as Sierra and Secret Valley District and shall be bounded as follows

Commencing on the Summit of what is known as War Eagle Mountain running thence East to the West Boundary line of Putts District thence South to the County line of White Pine Co to a point directly East of Fish Springs. Thence West to Fish Sp. Thence to the South West Corner of Spring Valley District to the Southeast Corner Thence Northerly along the Eastern Boundary of Spring Valley District to the place of commencement —

"Racine" District

formed 26 April 1869

A motion was made & carried
that this District be called
"Racine" District of which

"Wards Spring in Wards Cañon
is the Central Point ^{and} which said
District shall be twelve miles square.

Last met. June 20. 1870. —

John Fuor.

Willow Valley Ranch

A. Demitt.

James Bambrick

o Dutchman

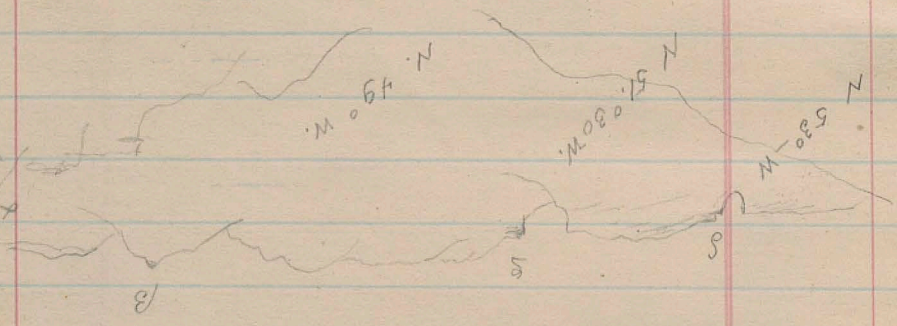
o Diamond Springs

o

petite laeoc
 gran
 jagged and small hills,
 Fair Creek opened water

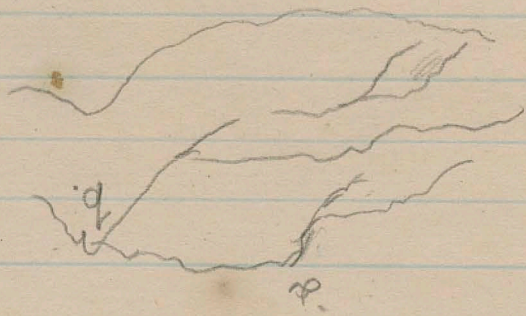
SE corner
 SE corner
 H 730
 about 70'

7 d N. 39° 30' W.
 6 N. 34° - W
 5 S. 88° - E

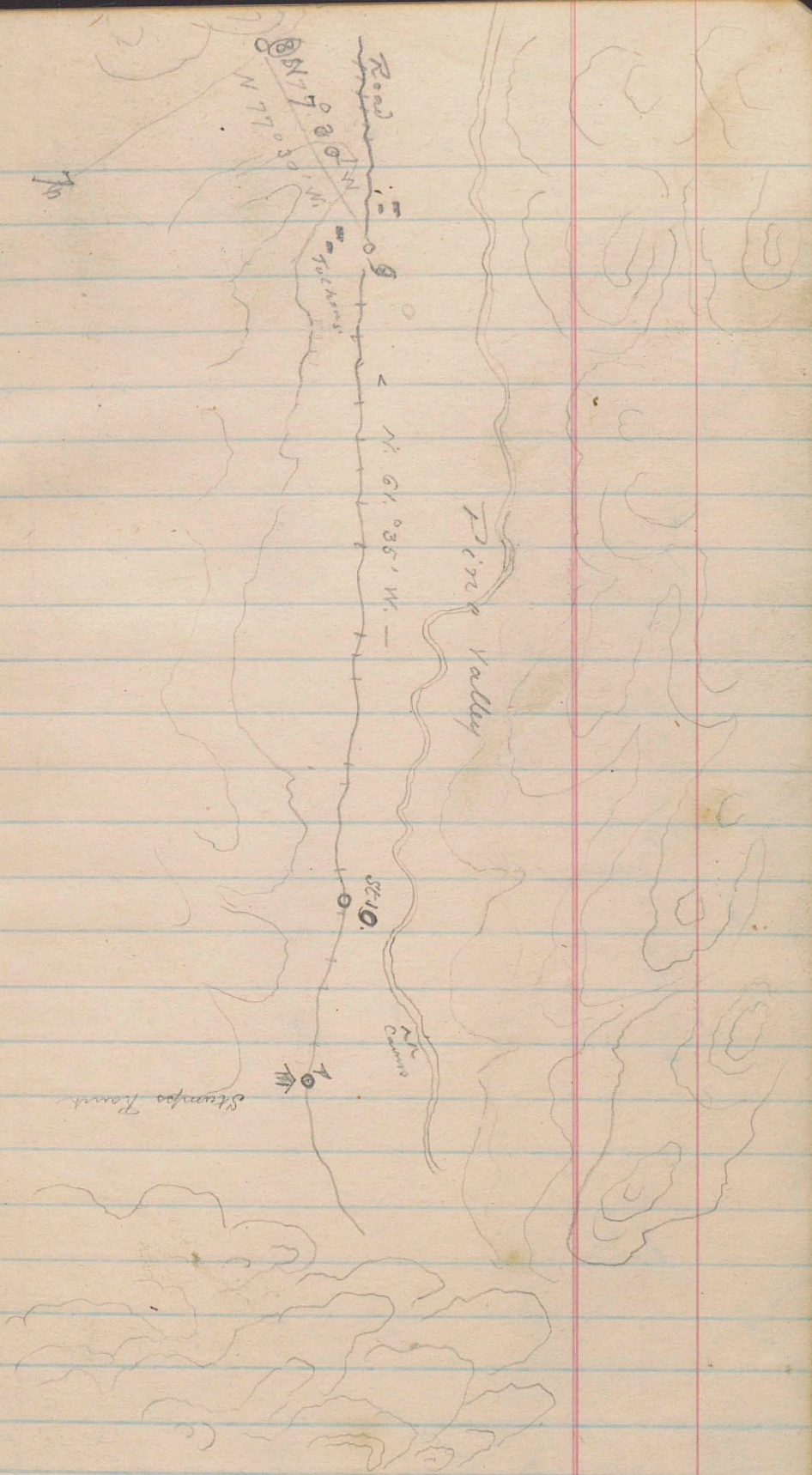


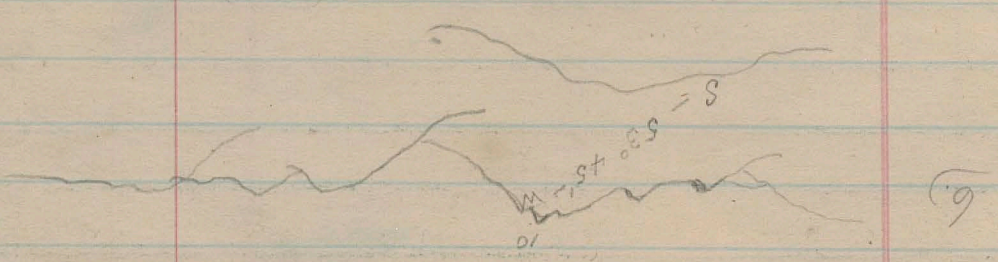
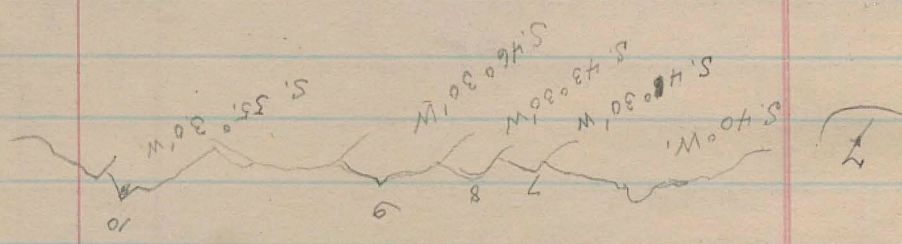
Station 15. Valley width 1/6 of mile.
 Valley width on entrance 1/6 mile.

5 d N 61.35 W.
 6 N 64.55 W.



Station 9





A

360 30 W

6

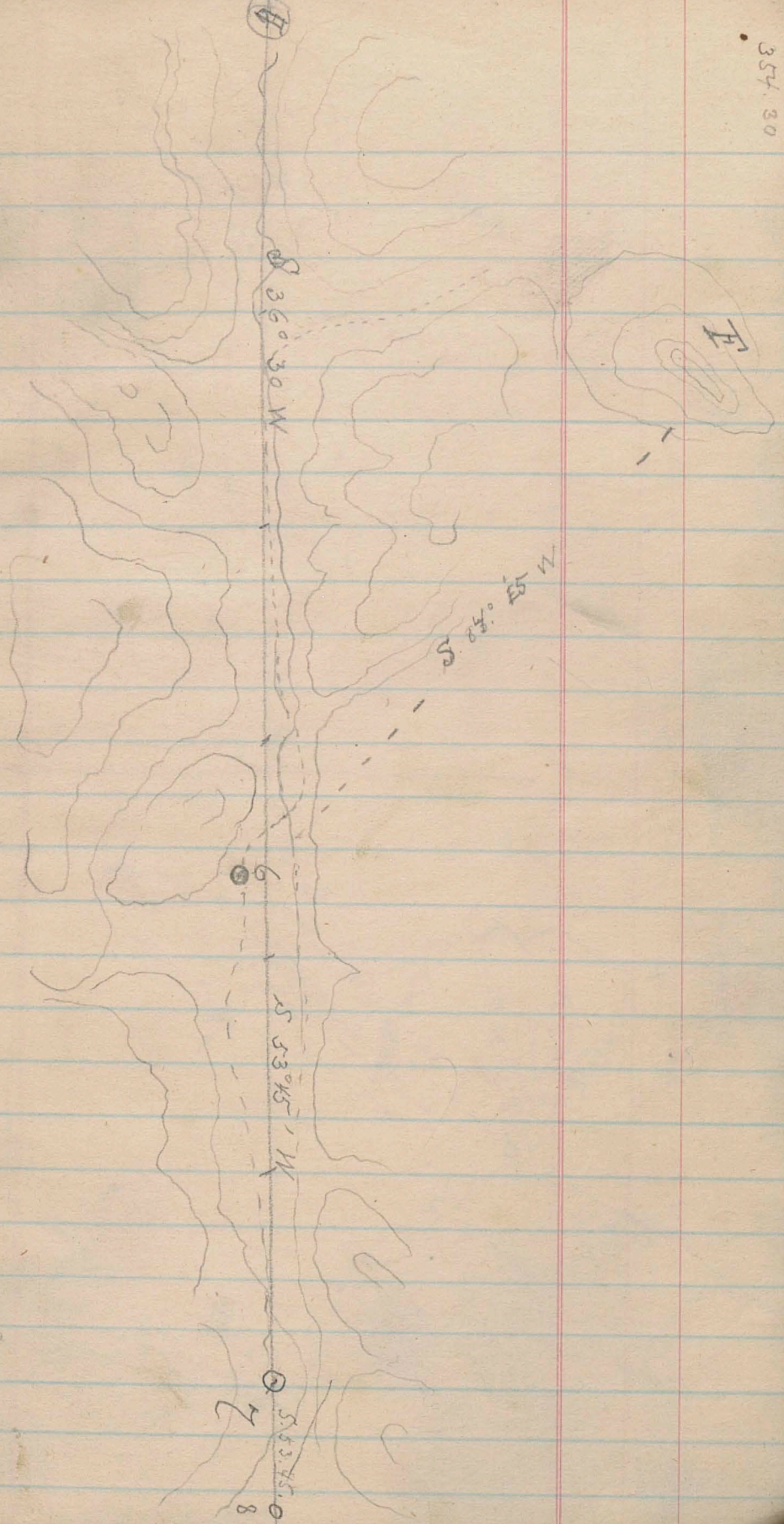
53 45 W

5 45 0
8

53 45 W

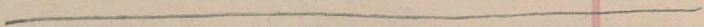
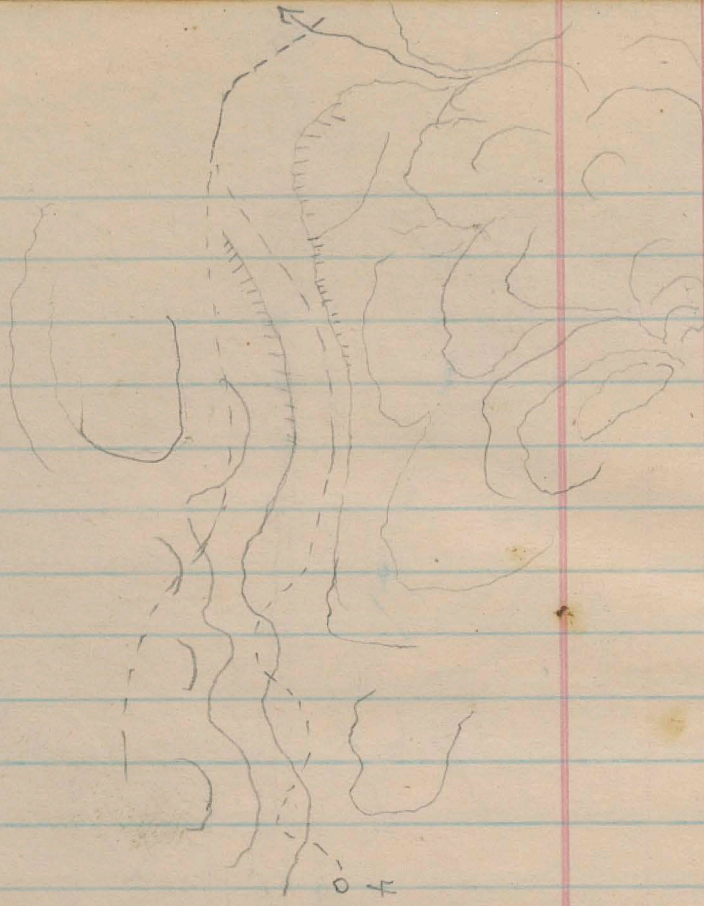
F

100

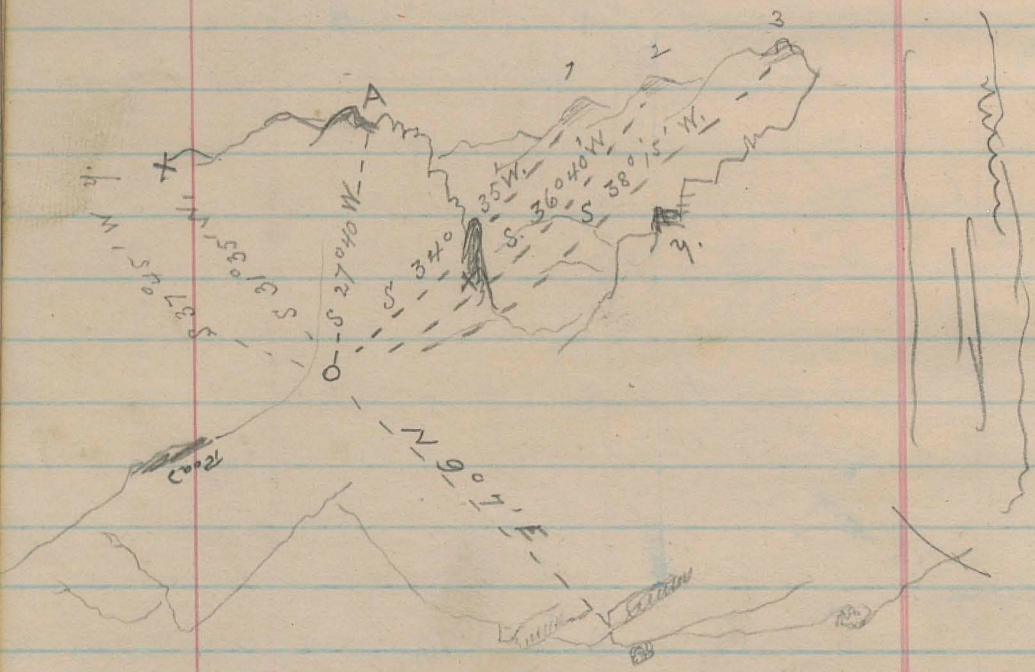


1964
12/15

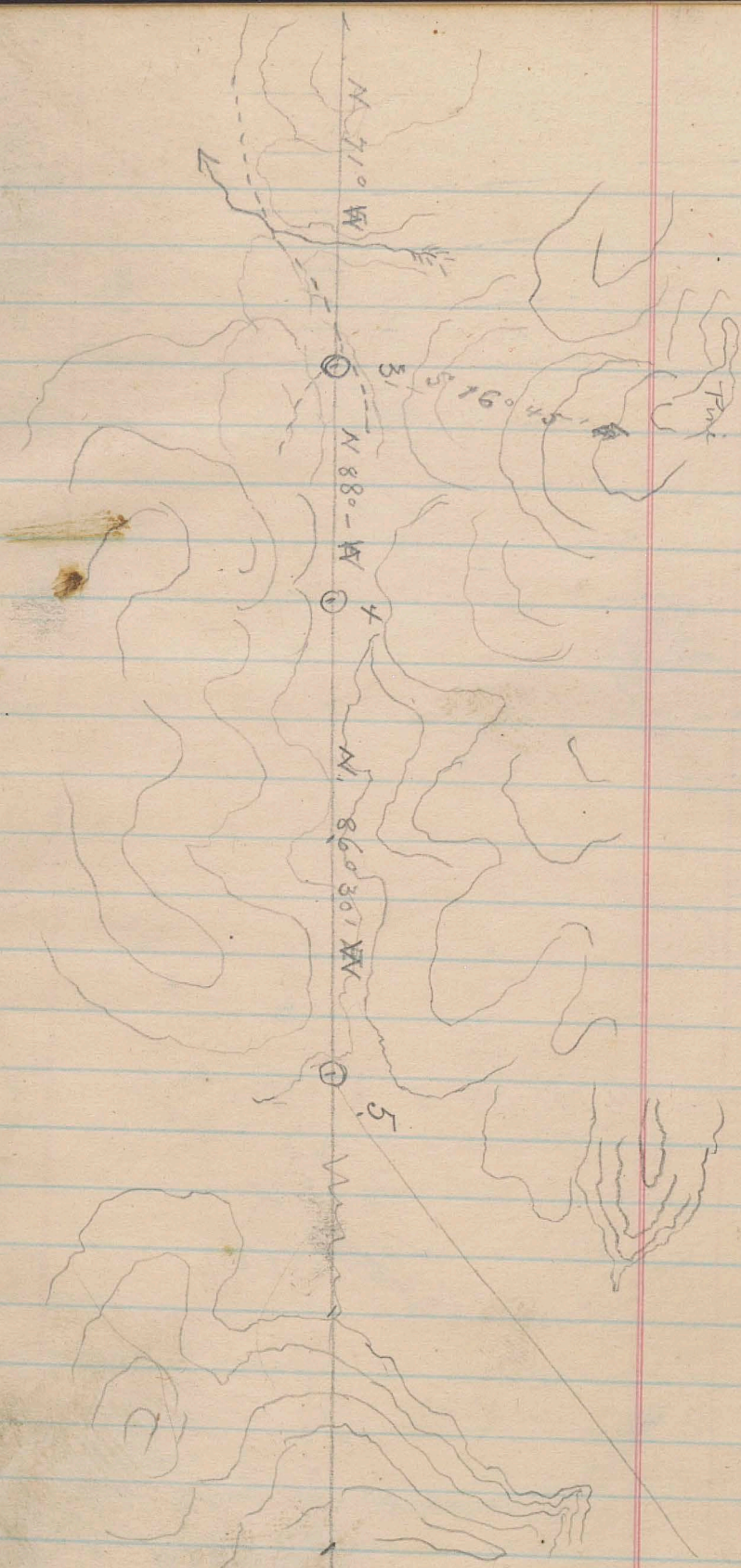
3



10
11



Station 51



St. 1. 223° 42' = N.

" to e ~~S~~ 30° 42' ~~W~~

" to Camp Bullion City S 68° 52' E

253

223 42

154 58

68 52

273 42

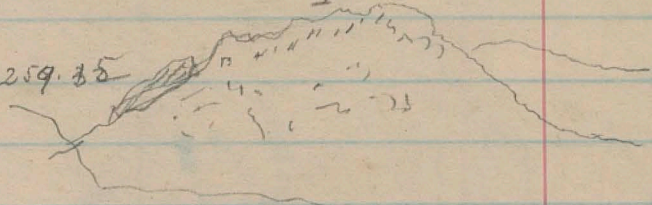
169 50

53 52¹¹

360
259 42
1 28

F

Station 2: 259.35



" to ^φ Pine Hill F S 36° 45' W.

17 15

54 00

259 15

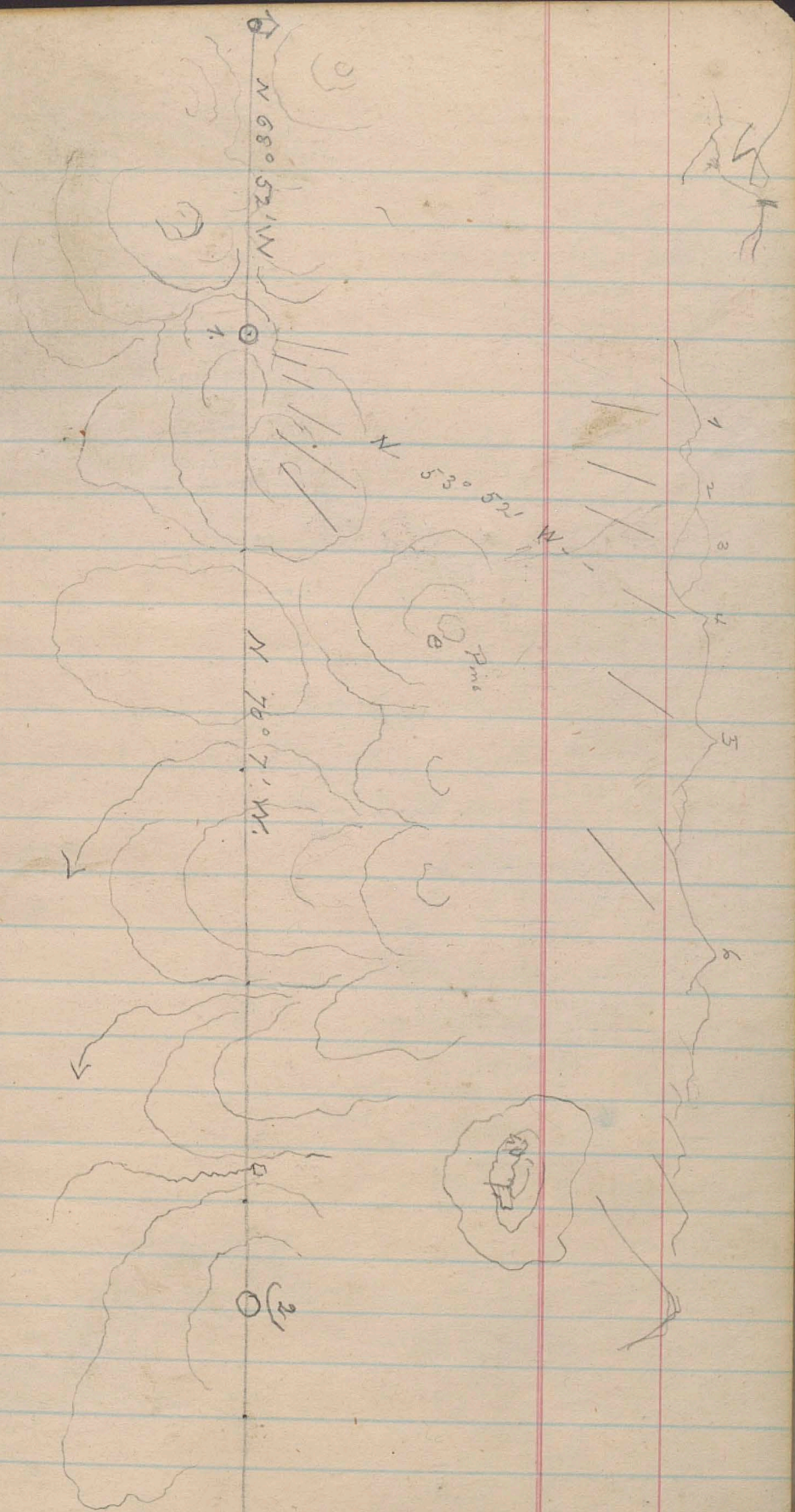
189 22

170 17

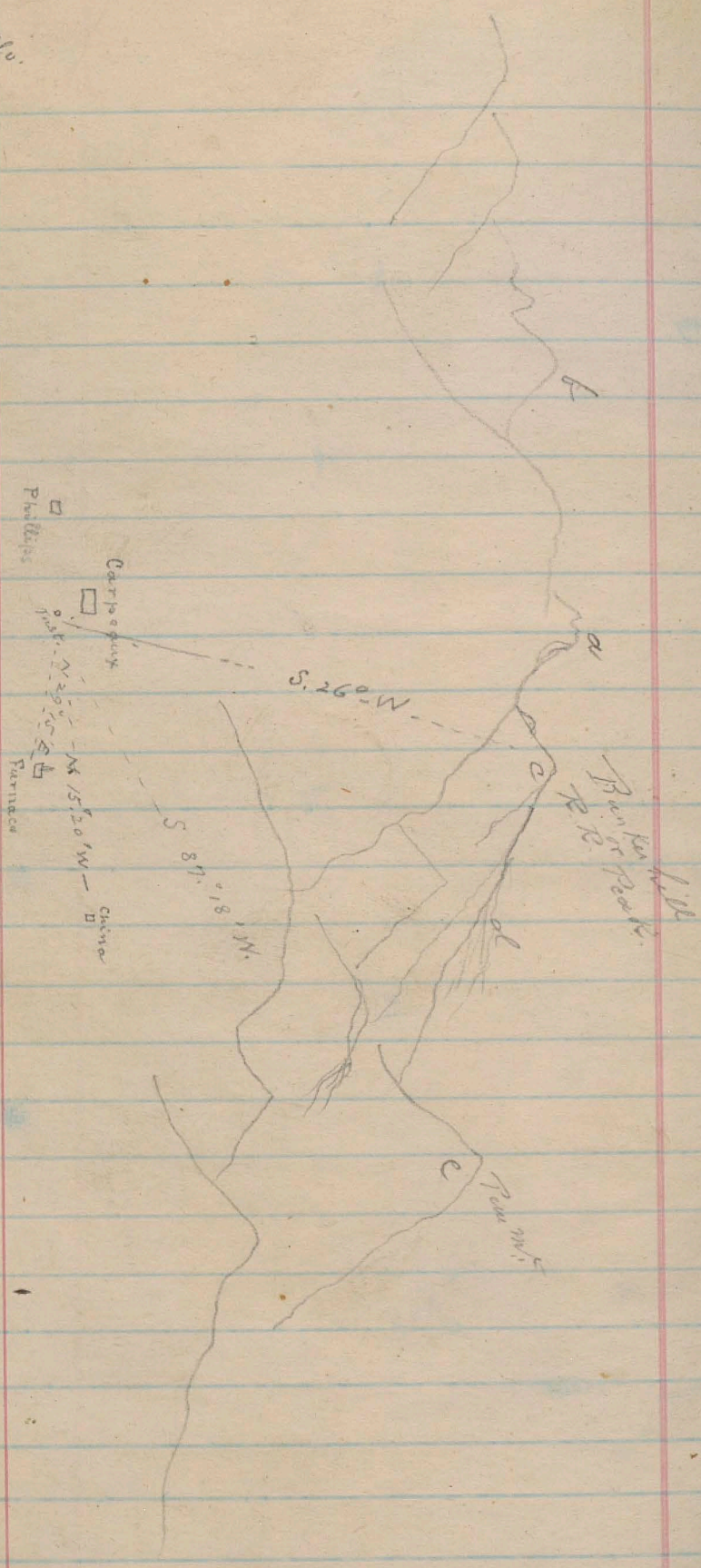
296

289 15

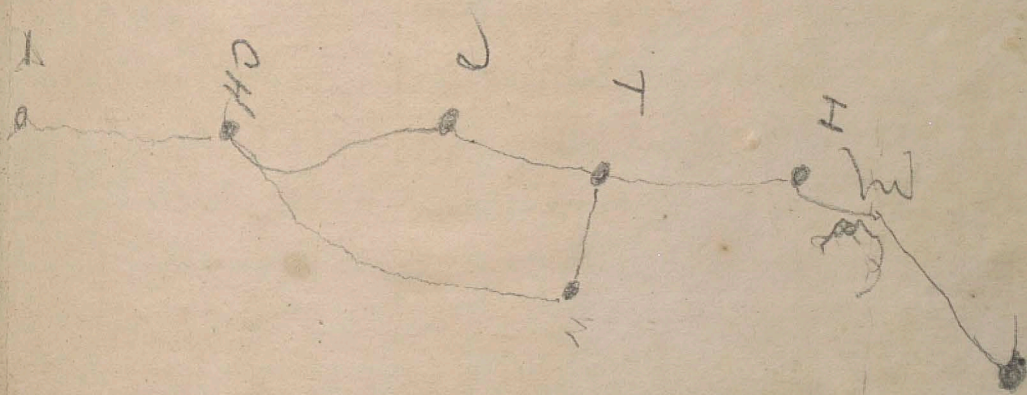
36 45



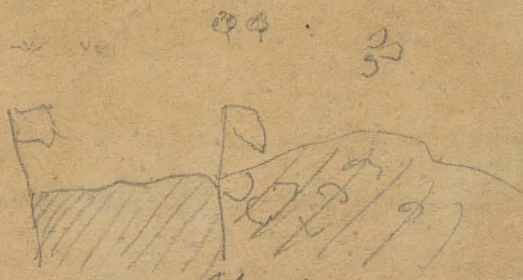
71.17 Elev.



N



S



(2) Rev. = 211 = Odometer 210 = rough ground

good, partly up hill
Easy desc. cond.

↳ Rev. Odometer
159. 158.
2) 159 171
3) 160 141.

good easily descending

354.30

48 15
5 00
53 15

127 28
98 12
29 16

165 30
98 12
67 18

124 14
98 12
26

354 20
270 15
84 15

354 45
284 25
70 20 W
86 30

113 35
98 12
15 23

272 26
174 30
98

278 15



5969
12

5289 5918.0 (11)
5288

6380
5280

100

Bar 25.186
alt. Tr. 36.8
Soy 48.4
Wt 40 —

No 57 24.945
37 24.945

25.274 Bar
52.2 alt. Tr.

57. 25.025
37. 25.020

D. 45 2
W. 41. 6