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No 1

No-258

# Field Notes

OF THE SURVEY OF THE

SUDIVISION LINES

— OF —

Township 17 N. Range 8 E

Gila and Salt River Base and Meridian

258

## ARIZONA.

By Ridgley C. Powers D. S.

under contract dated Fe 21<sup>st</sup>, 1875.

Survey commenced April 20<sup>th</sup>, 1875.

Survey completed April 29<sup>th</sup>, 1875.

No-258



## Preliminary Oaths of Assistants.

We Richard Hall  
and Joseph L. Ballinger  
do solemnly swear that we will well and faithfully execute  
the duties of Chain Carriers; that we will level the chain over  
even and uneven ground, and plumb the tally pins, either by  
sticking or dropping the same; that we will report the true dis-  
tance to all notable objects, and the true length of all lines that  
we assist in measuring, to the best of our skill and ability and  
in accordance with instructions given us in the survey of the  
Subdivision lines of Townships  
17 & R 8 E Tps. 18 & Ps 8 and 10 E  
Tps 19 & Ps. 9 and 10 E

of the principal base and meridian in the Territory of Arizona.

Richard Hall Chainman.

Joseph L. Ballinger Chainman.

Subscribed and sworn before me, this 20<sup>th</sup>  
day of April 1885-

R. C. Powers  
Notary Public.

We Charles M. Waly Anson Holmes  
and Ridgely M. Laird

do solemnly swear that we will well and truly perform the  
the duties of Surveyor and Flagman

in the establishment of corners and other duties according to  
instructions given us, and to the best of our skill and ability,

in the survey of the Subdivision lines

of Sps. 17 N. R. 8 E. Sps. 18 N.

R. 8 and 10 E & Sps. 19 N. R. 10 E.

of the principal base and meridian in the Territory of Arizona.

Charles M. Waly  
Anson Holmes  
Ridgely M. Laird

Subscribed and sworn to before me this 20<sup>th</sup>  
day of April 1885-

R. C. Powers  
Notary Public.

*Preliminary Oaths of Assistants.*

We Frank J. Hardy  
and Hugh Middleton  
do solemnly swear that we will well and faithfully execute the  
duties of Chain Carriers; that we will level the chain over even  
and uneven ground, and plumb the tally pins, either by sticking  
or dropping the same; that we will report the true distance to  
all notable objects, and the true length of all lines that we assist  
in measuring, to the best of our skill and ability and in accord-  
ance with instructions given us in the survey of the

Subdivision lines of Townships  
18 N R. 8 and 10 E and  
Tps. 19 & R. 9 and 10 N

Territory of Arizona.

Frank J. Hardy Chainman.

Hugh Middleton Chainman.

Subscribed and sworn to before me, this 29<sup>th</sup>  
day of April 1885—

R. C. Powers  
Notary Public.

We George D. Ridenour, Joseph  
J. Harrington & Walter Brown  
do solemnly swear that we will well and truly perform the  
duties of Surveyor and Flagman

in the establishment of corners and other duties according to  
instructions given us, and to the best of our skill and ability,  
in the survey of the Sub-division lines

of Townships 18 N R's 8 & 10 E  
and Tps 19 N R's 9 and 10 E

Territory of Arizona.

George D. Ridenour

Joseph J. Harrington

Walter Brown

Subscribed and sworn to before me this 29th

day of April 1885 -

R.C. Powell  
Notary Public.

I, John A. Lewis do solemnly swear that I  
 will well and truly perform the duties of Comptroller  
 according to instructions given me and to the best of my  
 skill and ability.

*John A. Lewis*

Sworn to and subscribed before me this 20<sup>th</sup>  
 day of April 1880

*Jerry Miller  
Notary Public*

do solemnly swear that  
 will well and truly perform the duties of  
 according to instructions given ..... and to the best of  
 skill and ability.

Sworn to and subscribed before me this  
 day of ..... 1880

T. 17 N. R. 8 E.  
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*T. T. A. R. S. E.*  
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BOOK 258

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The instruments used in making  
this survey were - a Solar  
Compass with telescopic attachment  
made by W. and L. E. Gurley of  
Troy N.Y. and a Solar Transit  
made by W. and L. E. Gurley  
of Troy N.Y.

Both instruments were in good  
order and adjustment -  
having been tested on the  
true meridian at the  
Surveyor General's office  
in Tucson in  
December 1884.

T 17 N. R 8 E.

Preliminary to commencing  
this Survey, I ran N. a rope  
blank line on the S. boundary  
of Sec 36, and at 40.03 chs.  
formed the  $\frac{1}{4}$  sec cor, and at 80.07  
chs. formed the sec cor.

I also ran N. bei - Secs 31 & 36  
and at 39.89 formed the  $\frac{1}{4}$  sec cor  
and at 79.96 formed the sec cor.

My compass will therefore run  
the same lines as the exterior  
boundaries: and the chaining  
practically agrees.

~~Survey commenced April 20, 1855 -  
with a Burts improved solar  
compass with tilde corp  
attachment.~~

T. 17 N. R. 8 E.

I commenced at the stand.  
Cor. to Secs. 35 and 36 which is a  
Past 4 ins square properly  
marked in a mound of stone  
from which:-

A Pine 10 ins diam. br. N 47° E 77 ft. 10 in.  
A pine 20 " " " N. 9° W 125 " "  
both properly marked.

Then I rund N. br. Secs. 35 & 36  
to 13° 35' E

Over rolling surface gently  
descending.

20.00 Ascend mound

30.00 Top of mound 50 feet high

40.00 Set volcanic stone 24 + 20 + 10

ins ins 16 ins in the ground  
for  $\frac{1}{4}$  sec cor. marked  $\frac{1}{4}$  on

T 17 A. R 8 E

W. face and raised a  
mound of stone alongside.

67.00 Cross wash 10 feet deep -  
Courses S. 50° W.

Then ascend 20 feet to  
80.00 Let volcanic stone 12 + 10 + 5 -  
in 8 in in the ground for  
far to Secs 25, 26, 27 and 36  
marked with one notch each  
on the S. and E. edges, and  
raised a mound of stone  
alongside. from which -  
A pine 24 in diam hrs S. 50° W. 40

Its dist marked T 17 A. R 8 E S 35-13.

A Pine 24 in diam brk 60° E on its  
dist marked T 17 A R 8 E S. 25-13. T.

No other trees of proper size in limits

T 17 N R 8 E

Land high rolling mountains.  
Soil rocky - 4<sup>th</sup> rate -  
Timber Pine of good quality  
and scattering out.

East at random line bet Secs 25-086  
Lat  $13^{\circ} 30' E$

40.00 Set temporary 1/4 sec line

80.00 Intersect the E. boundary line  
of the Th. 70 ects N. of the Cr to  
Secs 25, 30, 31 and 36 which is  
a bush 3 ins sq. in mound of  
stone from which

A pine 36 ins diam Sec. 557 E 27 ects dist

" " 30 " " " 176-E 64 " "

" " 30 " " " S 44° N 48 " "

" " 28 " " " N 16° N 104 " "

T. 17 N. R. 8 E.

Then at I run

N.  $89^{\circ}30'W$  on a true line

bet-hus. 25 and 36 with same

20.00 Descend slope

30.00 Bottom of slope 20 feet - below to

40.00 Lit volcanic stone 14 + 12 + 8 ins

9 ins in the ground for 1/4 sec

Cor marked 1/4 on N face

and raised a mound of stone

down side - from which -

A pine 12 ins. diam hrs 1:30 W 55

ells dist marked 1/8 B. S.

A pine 5 ins diam hrs.  $830^{\circ}E$ . 40

ells dist marked 1/4 B. S.

Ascent

44.00 Top of slope 20 feet -

50.00 Pine 12 ins diam

T. 17 S. R. 8 E.

described

57.00 Foot of slope 30 feet -

57.80 As above

75.00 Top of slope 25 feet -

80.00 The Cr to Secs 25-26-35 and 36

Lowed high rolling monotonous

Soil sandy - 4 to rate -

Timber heavy pine & oak

A. Sec-Secs 25 and 26

7 a 13° 30' E

Ascend over rolling surface

8.00 Top - 20 feet above bed Cr.

10.20 Pine 12 m. thick

described

12.00 Bottom 12 feet - below top

T. 17 N R. 8 E

20.00 Pine tree 12 ins. diam.

Ascend

40.00 Sil-volcanic stone 2 + 10 + 5 in

This is the ground for 1/4 sec  
or marked 1/4 sec to find  
and raised a mound of stone  
along side from which

A pine 12 ins. diam. hrs + 50° 2

58 lbs dry - marked 1/8 B. T.

61.00 Top 4 c. ft. above bottom

61.30 suspend

68.50 Cross bush 3-ths course

1. 10° W + ascend

78.40 Top. about 130 ft. above bush

88.00 Sil-mulpis stone 12 + 9 + 8 ins

This is the ground for Our  
to Secs 23, 24, 25 and 26

T. 17 N. R. 8 E.

marked with 2 notches on the S  
and 1 notch on the E. edges and  
raised a mound of stone  
along side from which  
it was 12 ins. high but 20 ft. long  
dist. marked T. 17 N. R. 8 E. S. 23 B. S.

Land rolling - mountainous  
soil rocky - 4 to 6 in.  
Timber Pine and oak

E. on a random line but S. 24-25  
for  $13^{\circ} 35'$  E.

40.00 ft temporary 1/4 sec 5 cor  
80.00 Calculated the E. boundary line  
of the H. 50 mls. of the cor to  
secs 19, 24, 25 and 30 which lie

J. 17 A. P. 8 E.

is a fossil - 3 ins sq. in a  
mass of stone from which  
a pine 30 ins diam. lost  $32^{\circ} N - 23^{\circ}$  E. dia.  
" " 35 " " "  $S 42^{\circ} N - 46^{\circ}$  dia.  
" " 6 " " "  $S 80^{\circ} E. 40^{\circ}$  " "  
" " 18 " " "  $N 47^{\circ} E. 18^{\circ}$  "

Then I ran

$N 89^{\circ} 39' W.$  on a true line bet-  
ween 24 and 25 with compass 70  
15.00 descend 50 feet to  
 $24.00$  cross wash 8 ft wide course  
S.W. - S.E. and  
 $34.00$  top 80 feet above wash  
descend.  
 $40.00$  set volcanic stone 12 + 10 + 8  
ins 8 ins in the ground for

T. 17 N. R. 8 E.

1/2 sec cor marked 1/4 on t face  
and raised a mound of stone  
along side - from which -

A Pine 12 ins diam hrs S. 10° E works  
dist marked 1/4 S.B.T.

No other trees within limits -

46.00 Inter level bench - 40 feet below top.  
60.00 Second

65.00 Pine 12 ins diam.

80.00 This cor to secs 23. 24. 25 + 26  
40 feet below bench

Land broken mountainous

Solid rocky - 40 feet -  
Timber pine small

T. part R. & E.

A. hit hrs 23 and 24

Fa  $13^{\circ} 35' E.$

21.20 Commence to descend over  
rolling surface

40.00 Hit volcanic stone 12 + 8 + 6  
ins This is the ground for  
1st shot Cr marked 1/4 on N face  
and raised a mound of stone  
Always with fine which

A few 12 ins from last  $12^{\circ} N$  50  
cks dist - marked '4 S B. T.

A few 15 ins diam hrs  $530^{\circ} E$  85-  
cks dist - marked '4 S B. T.

40.50 Running rocks with or few  
below top Course N which  
I cross and ascend

## T. 17 N. R. 8 E.

47.00 Summit - 100 feet above ravine

50.53 Pine 14 ins diam

58.20 descend abruptly over rocky surface

61.30 Ravine 15-16 ft wide 6 feet deep course

S. 35° W. which I cross and ascend

67.15 Top 75 feet above Ravine

80.00 S. S. - volcanic stone 12 + 8 + 5

ins. This is the ground for lot

to lots 13, 14, 23 and 24 marked

with 3 matches on the S. end

1 match on the E. edge. I. and

raised a mound of stone

along side - from which (2)

A Pine 18 ins diam lies S. 20° E. 50 ft

dist. marked T. 17 N. R. 8 E. 8 24 B. T.

A Pine 24 ins diam lies N. 15° E. 30 ft

dist. marked T. 17 N. R. 8 E. 8 13 B. T.

T. 17 N. R. 8 E.

Land between mountains

Soil rocky - at mts -

Timber heavy Pines scattering oak

E. end of pass line bet. Secs 13 & 24

var.  $^{130} \text{ }^{35} \text{ }^{\circ}$  E

40.00 ft temperature  $\frac{1}{4}$  sec. Cr

80.00 feet - the 2 boundary of  
thick at the Cr to Secs 13, 18, 19

and 24 which is a pass 3 in  
square in a mound of earth  
from which

A pine grows down to S. 40° W. 17 lbs dist.

" " 27 " " " 122 ft 74 " "

" " 28 " " " 187 58 " "

" " 25 " " " 520 ft 165 " "

These I ran

T. 17 N. R. 8 E.

W. on a true line but has 13 & 24  
with some variation

On rolling surface - As cording

25.00 Top 40 feet - above Sec Cor

25.25 - descended slope to

33.00 Bottom <sup>land</sup> 30 feet - below

40.00 At mafquis stone 12 + 8 + 5 ins

This is the greatest for 1/4 Sec Cor  
marked 1/4 S. N. F. for a and  
raised a mound of stone  
along side - from which -

A Pine 12 ins diam has S. 10° E. 30 lbs  
dis marked 1/4 S. B. T.

A Pine 14 ins diam has S. 18° W. 70 lbs  
dis marked 1/4 S. B. T.

60.00 Cross wash 25 ft - deep Course  
S. and arched

T. 17 S. R. 8 E.

65-00 Pine 24 in diam

70.00 Top 50 feet - above wash

80.00 Slope cov to Sars 13, 14, 23 & 24

Good broken monzonite

Silt stone - 4 to rock -

Timber heavy pine - some oak.

April 20<sup>th</sup> 1885.

N. bet. Secs 13 and 14

To  $13^{\circ} 38' E$

Descend slope

3.00 Cross wash 25 feet - below

Slopes cov. 5-6 ft. with coarse

S.E. and ascend

7.00 Top of slope 30 feet - above wash

14.00 Commence ascent of hill

T. 17 S. R. 8 E.

20.10 Pine 12 ins diam.

40.00 ~~Set~~-volcanic stone 18 + 15 + 10 ins  
12 ins in the ground for 14 lbs  
Cov marked 1/4 on N face and  
raised a mound of stone along side  
from which A pine 12 ins diam. hrs 1-34°2  
30 lbs dust marked 1/4 S. B. T.

A. pine 18 ins diam hrs 3. 24°W 40  
lbs marked 1/4 S. B. T.

57.00 Summit of hill 150 feet - heights

53.00 Commenced to descend

7.00 Base of hill.

80.00 ~~Set~~-mulpis stone 14 + 10 + 6 ins  
9 ins in the ground for Cov to  
dust 11. 12. 13 and 14 marked  
with a nail on the S. and  
1 nail on the E edges, and

T. 17 S. R. 8 E.

raised a mound of stones  
along side from which:

A pine 26 ins. diam. hrs. N. 60° W.  
49 cks dist.-marked T. 17 S. R. 8 E. S. 12 B. T.

An oak 4 ins. diam hrs. N. 30° E. 17 cks  
dist.-marked T. 17 S. R. 8 E. S. 12 B. T.

An oak 5 ins. diam hrs. S. 62° W. 42 cks  
dist.-marked T. 17 S. R. 8 E. S. 14 B. T.

A pine 30 ins. diam hrs. S. 78° E. 60 cks  
dist.-marked T. 17 S. R. 8 E. S. 13 B. T.

Land broken mountainous

Sil rocky - 4 to rule -

Timber heavy pine south

T. 7 S. R. 8 E.

E. on a random line bet. Secs 12 & 13

To  $13^{\circ} 35'$  E

40.00 St temporary 1/4 S. 1 Cr.

80.06 Enters the E. boundary of  
the Township 12 ells N. of the Cr  
to Secs 7, 12, 13 and 18 which  
is a post 3 ms sq. in a mound  
of stone from which: —

A pair 35 ins apart, hrs.  $883^{\circ} 2.76$  lbs dist.

, " 34 " "  $872^{\circ} 11' 80$  " "

" " 37 " "  $175^{\circ} 11. 135$  " "

" " 26 " "  $178^{\circ} 101$  " "

Third pair

A  $89^{\circ} 55' 17$  on a true line bet-  
Secs 12 and 13 with some Va,  
through timber and broken  
stony surfaces) : —

T. 7 N. R. 8 E.

44.03 Set - angular stone 14 x 10 + 6  
gives rise to general for  $\frac{1}{4}$   
Sed Cor. marked  $\frac{1}{4}$  on top &  
and raised a mound of stone  
along side from which  
A pine 16 in diam has 5.65 ft - 42 lbs  
dist marked  $\frac{1}{4}$  & B.T.  
A pine 16 in diam has 4.24 ft - 37  
lbs dist marked  $\frac{1}{4}$  & B.T.

80.06 Th Cor. to Secs 11, 12, 13 and 14

Land highly rocky

Soil - stony & gravel.

Timber - heavy pine & some oak

J. 17. A. P. 8 E.

N. lat - Secs 11 and 12

Lat  $13^{\circ} 35' E.$

Through heavy timber - rocky surface.

40.00 Set small pine stone 12 + 10 + 6 inns

Fins in the ground for 'H.S.'

Cor. marked 'H' on N. face and

raised a mound of stone

along side. - from which -

A pine 30 inns diam bro  $S 3^{\circ} E$  22 lks  
dist marked 'H.S. B. S.'

A pine 26 inns diam bro  $N 73^{\circ} W$

7 lks dist marked 'H.S. B. S.'

55.00 Ascend into Cañon

57.00 Cross bottom of Cañon 80 feet -  
dip 10 lks with course at  $60^{\circ} N$   
<sup>and ascend</sup>

59.00 Opposite - bank 80 feet - above  
bottom of Cañon

T. 17 N. R. 8 E.

63.00 Cross a trail that runs S.W.  
and S.E.

80.00 Set - volcanic stone 16 + 10 +  
10 ins. 11 ins. in the ground  
for Cr to Secs. 1, 2, 11 and 12  
marked with 5 vol. stones on the S.  
end & notch on the E end so  
and raised a mound of stone  
along side - from which  
a fine 20 ins diam hrs 1.50 to 80 lbs  
marked T. 17 N. R. 8 E. S. 2. B. J.  
A fine 18 ins diam hrs 1.81<sup>0</sup> 86 lbs  
dist marked T. 17 N. R. 8 E. S. 1. B. J.  
An oak 8 ins diam hrs 3.76<sup>0</sup> 27  
39 lbs dist marked T. 17 N. R. 8 E. S. 1. B. J.  
A pine 6 ins diam hrs 3.46<sup>0</sup> 25 lbs  
dist marked T. 17 N. R. 8 E. S. 1. B. J.

1,7 A. RSE

Land broken - mountainous  
Soil stony - 4 to 6 in -  
Timber heavy Pine & oak.

E. on a random line bet Sec 1 and 12  
Fa  $13^{\circ} 45' E$

40.00 S1 - temporary 1/4 sec cor  
80.00 Intersect the E. boundary line  
of the T. at the cor to Secs 1, 6,  
7 and 12 which is a fault -  
3 ins square in a mound of  
earth with piles - from which  
a pine 2.6 ins diam hrs N  $42^{\circ}$   
E. 256 lbs dist - properly marked  
Then I run

T 17 S. R 8 E.

Now a tree line bet-hcs 10/12  
with same ra. -

Through a heavy timber rocky  
surface.

40.00 At mifflin's store 12 + 10 + 8 in.  
This is the ground for  $\frac{1}{4}$  Acre  
Or marked  $\frac{1}{4}$  on a face and  
raised a mound of stone clay side  
from which  
A pine 26 in diam hrs.  $64^{\circ} 2' 9''$

lks dist - marked  $\frac{1}{4}$  A. S. B. T.  
A pine 26 in diam hrs  $130^{\circ} 8'$   
quicks dist - marked  $\frac{1}{4}$  A. S. B. T.

41.00 Cross a trail that has 80' S $^{\circ}$

67.50 " " " " " No S. P.

80.00 The Cor to lots 1, 2, 11 and 12

Land broken

Soil stony & wet -  
Timber heavy pine

T, 7 N. R. 8 E.

For a random line bet-hes 1 and 2

ln  $13^{\circ} 45'$  E.

40.00 Sst - boundary  $\frac{1}{4}$  sec Cor

79.92 intersect the N. boundary line of  
the township 16 lbs E. of the Cor  
to Secs. 1, 2, 35 and 36 which  
is a mulipnis ston 10 + 9 ins  
above ground with 1 mlt ch  
on E and 5 mltch on W edges  
from which

A pine 26 ins diam hrs  $29^{\circ}$  E 108 lbs dis-  
marked T 8 N R 8 E S 36 B. T.

A pine 22 ins diam hrs  $55^{\circ}$  E 12 lbs  
dis - marked T 7 N R 8 E S 1 B. T.

A pine 23 ins diam hrs  $S. 46^{\circ}$  W 93 lbs  
dis - marked T 7 N R 8 E S 2 B. T.

A pine 14 ins diam hrs  $N. 52^{\circ}$  to 39

T. 7 S. R. 8 E.

the dist marked T. 8 A or 8 E S. 35 - 27

Three spruce

S. 0° - 07' E on a true timber -

trees 1 and 2 with the same date

5.92 Entering valley tree 1000 S.E.

9.82 Cross a trail that has a wood sign

14.90 Lesser valley

29.72 Cross a road that has E.W.

39.92 Sit mulpis spruce 16 + 10 + 6 in

" in in the ground for 1/4 sec

Cor marked 1/4 in W face and

raised a mound of snow

along side - from which -

A few 2 in diam trees S. 3° E 49 M

dist - marked 1/4 S.B.T.

A few 2 1/2 in diam trees N. 12° E

other dist - marked 1/4 S.B.T.

T. 17 N. R. 5 E.

64.40 Cross a road this hrs 20/12

79.92 Thence to Secs. 12, 11 and 13

Land broken

Soil rocky - & to rock -

Higher heavy Pine - some oak

April 21, 1883 -

From the Stand. Cor. to Secs.

34 and 35 - on the S. boundary  
of the Township which is a post-  
properly marked in massed of  
stones - from which

A pine 7 ins diam hrs at  $12^{\circ}30' E$   
103 lks dist -

An oak 16 ins diam hrs at  $44^{\circ}12' 117$   
lks dist - properly marked

T. 17 N. R. 8 E.

From N. bet Lacs 34 and 35

for  $13^{\circ} 35' S$

Descend rocky slope of Cañon

7.80 Bottom of Cañon 200 feet below  
sec line which I cross  
400 ft and ascend course  
of Cañon S. 70°. I descend

20.70 N bank of cañon 200 feet  
above bottom

40.00 Set mulberry stems 24 + 10 + 8  
in 18 in in the ground for  
fish to mark 1/4 on W  
face and raised a mound  
of stone along side

45.00 Pine 1/2 in diam

Ascend slope of hill

53.00 Top of slope descended

## T 17 S. R 8 E.

63.70 <sup>cross</sup>, Wash 30 feet below top course

S.W. - Cross and ascend

70.00 Top of ridge 25 feet above  
brush.

80.00 Silt mulpais stone 14 + 10 + 6 in  
10 in is in the ground for Cr  
to Secs 26, 27, 34 and 35 -  
marked with 1 notch on the S  
and 2 notches on the E edges  
and raised a mound of stone  
along side from which

The Spring and Cabin  
of Wm. Fain hrs. A. 43° E 1/2  
cls dist -

A pin 14 in diam hrs S. 30° E  
120 ft dist marked T 17 S. R 8 E S. 35 B. T.  
Land broken mountains.

31

Tig. St. Rge

Soil rocky - + talus -  
 Timber heavy Pinus scattering oak.

E. on a random line bet-hcs 26 & 35  
 va  $13^{\circ} 35' E$

40.00 S. temporary  $\frac{1}{4}$  sec Cor

50.15 - intersect it and S. line at the  
 Cor to hcs 25, 26, 35 and 36

Then west from

It. on a true line bet-hcs 26-35  
 with same va  
 over high mtn

6.00 Base of Fair's mountain  
 Ascent

2485 Pinus 2-4 in. diam

29.00 Summit of Fair's mountain

T. 17 N. R. 8 E.

450 feet - high extends NE & SW

3650 One tree 14 ins diam.  
Ascend mountain

40.07 Sil - volcanic stone 12 + 10 + 5 -  
is 8 ins in the ground for  
 $\frac{1}{4}$  the Circ. marked  $\frac{1}{4}$  on N. face  
and raised a mound of stone  
alongside - from which -  
A pine 12 ins diam has  $\frac{1}{5}^{\circ}$  E.  
30 lbs. chis. marked  $\frac{1}{4}$  S. B. L.

68.00 Oak 14 ins diam.

80.15 - The Circ to SWS 26.27.34  
and 35 - about 400 feet -  
below  $\frac{1}{4}$  Sil Circ.

Land mountainous  
soil rocky - 4 to 6 ft -  
Timber. Pine rocks.

## T. 17 N. R. 8 E.

A. but - Sns 26 and 27

In  $13^{\circ} 25' E$

descending rolling surface

8.00 along N. slope of Harris Mtn.  
Copper road - br. W.E. + D.W.

10.00 Cross road 30 feet below

Sect Cor. Course  $870^{\circ} N.$

Ascend

20.00 Top of slope 40 feet above road

40.00 At volcanic stone 13 + 10 + 9

is 9 in in the ground for  $\frac{1}{4}$

Sect Cor. marked  $\frac{1}{4}$  on N face

and raised a mass of stone

along side from which -

A fine 12 in diameter  $810^{\circ} E$

100 ft marked  $\frac{1}{4} S 73^{\circ} T.$

No other tree of proper size  
within limits

T. 17 R. 8 E.

59.60 Pine 16 in diam

80.00 Set - muffle is stone 12 + 10 + 8 in  
8 in is in the ground for Co  
to Secs 22, 23, 26 and 27  
marked with 2 notches each  
on the S. and E. edges, and  
raised a mound of stone alongside  
from which — A Pine  
12 in diam has 40% 100  
lbs dist marked T. 17 R. 8 E. S 22 B. T.  
A pine 14 in diam has 30% 98 eks  
dist marked T. 17 R. 8 E. S 27 B. T.  
Land - mountainous  
Soil rocky & rather -  
Timber heavy Pine - some oak

T. 47 R. 28 E.

E. on a random line bet Sues 23 and 26

Zn  $13^{\circ} 35' \Sigma$ .

40.00 At temporary N-S line  
S. of 18 Indicated - N-S line at the  
for to Sues 23, 24, 25 and 26.  
This cross run

N. on a true line bet Sues  
23 and 26 with same Zn  
16.00 Pine 12 in diam.

30.00 Cross Wash 10 feet deep  
Course S  $62^{\circ} W$ .

40.09 At - mulberry storm 16 + 15 + 10 in  
11 in in the ground for  $\frac{1}{7}$   
Sec line marked if on it  
fallen and raised a mound  
of storm along side from which  
A pine 12 in diam has N.  $10^{\circ} W$

T. 17 N. R. 8 E.

400 ft dis - marked 1/4 S. B. T

A Pine 15-in diam true S 13° E

60 ft dis - marked 1/4 S. B. T.

### Second slope

6000 Top of slope 20 feet above  
1/4 sec. Cr.

60.10 Second slope 25 feet -

77.30 Enter wash course true -

78.70 Lower wash

80.18 The for. to elev. 22, 23, 26

and 27

Land broken, mountainous

Soil rocky - 4 to 6 in -

Timber heavy Pine - some oak

T. 17 N. R. 8 E.

A. bet-hes 22 and 23

fa  $13^{\circ} 35' E$

descend to

1.15 - Wash 12 feet - below bed Cor  
Course S.W. Cross-section.

5.50 Pine 18 in. diam.

18.00 " 28 " "

40.00 70 feet above wash

Set malpin's stone 16 + 9 + 6 in

4 in in the ground for  $\frac{1}{4}$

set for marker  $\frac{1}{4}$  m. to face

and raised a mound of stone  
along side from which

A pine 13 in diam has  $510^{\circ} N$  75-80°  
dist marked  $\frac{1}{4}$  S B.S.

A pine 12 in diam has N.E.

1/2 ebs dist marked  $\frac{1}{4}$  S B.S.

T. 17 N. R. 8 E.

48.00 descend slope to

61.00 Wash 50 feet below 1/4 sec Cr  
course S 35° E which it crosses

Then ascend over rolling ground  
60 feet to

80.00 Set volcanic stone 20 + 8 + 8 is  
14 ins in the ground for Cr to  
sec 14, 15, 22 and 23 marked  
with 3 nutches on the S and 2  
nuches on the E edges and  
raised a mound of stone  
also yellowish from which  
A pine 12 ins diam hrs N 15° E 150 kcs  
dist marked T. 17 N. R. 8 E S. 15-13. J.  
A pine 24 ins diam hrs S 15° E 148 kcs  
dist marked T. 17 N. R. 8 E S. 22 B. J.  
A Pine 24 ins diam hrs N 40° E 62 kcs dist

T. 17 N. R. 8 E. S. 14 B.T.

Marked T. 17 N. R. 8 E. S. 14 B.T.

No other trees of proper size within  
limits -

Found broken mountainous

Soil rocky - 4<sup>th</sup> rat -

Timber heavy pine - scattering oak.

E. on a random line bet. Secs 14 & 23  
Ta  $13^{\circ} 35' E.$

40.00 ft - temporary ' + the Cr  
80.10 intersect - it + S. line 14 also

S. of the Cr to Secs 13, 14, 23  
and 24.

Then cr from

S.  $89^{\circ} 54' W.$  on a true line  
bet. Secs 14 and 23 with same ra

T. 7 N. R. 8 E.

Second rocky surface

10.00 Top 25 feet above bed Cor

10.13 - Second rocky surface

Pine on line 12 in diam

29.50 Cross wash rock side - 50 feet  
below top Course S 10° W.

33.90 Pine 12 in diam

Second gradual slope

40.05 25 feet above wash S 75° W. pine

Stone 12 + 10 + 5 in 8 in in  
the ground for  $\frac{1}{4}$  sec Cor  
marked  $\frac{1}{4}$  sec free and raise  
a mound of stone along side from which

A pine 20 in diam has N 80° E 20' elev  
dist marked  $\frac{1}{4}$  sec S. I.

A pine 24 in diam has S 79° W 150  
elev dist marked  $\frac{1}{4}$  sec B. I.

T. 17 N. R. 8 E.

- 43.00 Cross a shallow marsh course S.E.  
 65.00 Second growth slope  
 80.10 Top of slope 14, 15, 22 & 23  
 Land rolling - mountainous  
 Soil rocky & no trees  
 Timber heavy pine scattering out  
 April 22, 1883-

N. lat. - Secs 14 and 15 -

Lat. 13° 35' E.

- Our slope, gradually ascending  
 slope 20 feet - to  
 22.00 Top of slope  
 22.20 Second slope  
 30.00 Bottom of slope 20 feet - below top  
 40.00 Set - mafvis stone 14 + 9 + 6 ins

1,7 N. R 8 E.

10 ins in the ground for 1/2 sec or  
marked it on the face and raised  
a mound of stone along side from which  
A pine 12 ins diam. has S.E. 55° E. its dist  
marked 1/2 S. B. T.

An oak 4 ins diam. has S. E. 55° N. E.  
its dist marked 1/2 S. B. T.

Then a low rolling rocky  
surface through heavy pines  
50.00 ft - mulch is stone 14 + 10 + 6 ins  
10 ins in the ground for Co to  
secs 10, 11, 14 and 15 - marked  
with a notch on the S. and 2  
notches on the E. sides, and  
raised a mound of stone  
along side, from which  
A pine 40 ins diam. has N. 31° E. 72 ft

T<sub>7</sub> A. R 88

dis-marked T<sub>7</sub> A. R 86 S 10 B.T.

A pine 16 ins diam hrs. to  $10^{\circ}$  E 94°S  
marked T<sub>7</sub> A. R 86 S. 11 B.T.

A Pine 32 ins diam hrs S. 85°-E

marked dis-marked T<sub>7</sub> A. R 86 S 14 B.T.

A maple 18 ins diam hrs S. 30° W. 47 lbs

dis-marked T<sub>7</sub> A. R 86 S. 13-10 B.T.

Larch broken partly

Soil 40% sand

Finer heavy pine scattering over.

I examined my instrument  
to day and found it in  
perfect adjustment.

717 A R. 8 E.

E. on a random line bet Secs 11 and 14

va  $13^{\circ} 35'$  E

40.00 St temporary & Sd Cor.

79.92 intersect St. and S. line at the  
Cor. to Secs 11, 12, 13 and 14  
thence Nnn

N. on a true line bet Secs 11 and 14  
with same va.

Over broken surface - heavy timbered

39.96 St mulpis ston 16 + 10 + 4 ins  
11 ins in the ground for  $\frac{1}{4}$  Sd Cor  
marked  $\frac{1}{4}$  on E. face, and raised  
a mound of stone along side  
from which  
Cone 26 ins diam. hrs N  $60^{\circ} W$  44 cks  
not marked  $\frac{1}{4}$  S B. T.

A Pinelons diam. hrs S  $4^{\circ} W$  23  
cks dist - marked  $\frac{1}{4}$  S B. T.

T. 17 N. R. 8 E.

79.92 Sh. Cor. to Secs 10, 11, 14 and 15 -  
 Laurel Broken rocky  
 soil - + + + -  
 Timber heavy pine - some oak

---

N. lat - Secs 10 and 11

Va  $13^{\circ} 35' 2''$

Over rocky plateau

25.00 descended towards marsh

38.00 Crossed a marsh 30 ft wide

Course N. W. Then ascend

40.00 Set - mulga stone 30 + 16 + 10 in

22 in in the ground for  $\frac{1}{4}$

Sec Cor. marked  $\frac{1}{4}$  on W. side

and raised a mound of

slates along side from which

T, 7 A R. 8 E.

A pine 12 ins diam. hrs N  $40^{\circ} W$   
100' lks dist <sup>marked</sup>  $\frac{1}{4}$  S. B. T.

A pine 15 ins diam hrs S.  $30^{\circ} E$   
80' lks dist marked  $\frac{1}{4}$  S B. T.

5 9.00 Easter Table Land 52 feet above  
rush

63.20 Commence to ascend Butte

70.00 Pine 18 ins diam

80.00 S. 1 - mulches stored 14 + 10 + 5  
ins - 10 ins in the ground for  
Co to Secs. 2, 3, 10 and 11  
with 3 mulches on the 8 and 2  
mulches on the E. edge and  
ruined a mound of stone  
along side - from which -

A pine 8 ins diam hrs. S.  $75^{\circ} W$  30'  
lks dist marked T, 7 A, R. 8 E., S. 10. B. T.

T. 17 N. R. 8 E.

A pine 30 in diam, loc. t. 13° E 30 lbs  
dist. marked T. 17 N. R. 8 E. S. 2 B. T.  
No other trees of proper size within  
limits -

Pine Cir. is + 70 feet - above  
the 1/4 sec. cir.

Land broken & miscellaneous  
Soil rocky - 4 to 6 in -  
Timber heavy pine & scattering oak

E. on a random line bet -  
secs 9 and 11

For 13° 40' E

40.00 At temporary 1/4 sec Cir

79.90 Between 1/4 and 8 line 16 lbs

A of the Cir. to Secs. i. 2, 11 or 12

T. 17 N. R. 8 E.

Thence I run

N.  $89^{\circ} 55' W$  on a true line  
bet-Secs 2 and 11 with some var.  
Descend gentle slope

29.95 St-mulches stone 12 + 9 + 7 in  
8 in in the ground for  $\frac{1}{4}$  sec  
Or. marked  $\frac{1}{4}$  on N. face and  
raised a mound of stone clay sides  
<sup>from which</sup>  
A fine 13 in diam has S. 18° E. Locks  
dist. marked  $\frac{1}{4}$  S. B. T.

An rock 8 in diam has N. 25° W  
75-ek dist. marked  $\frac{1}{4}$  S. B. T.

47.00 Cross a wash Course S.  $12^{\circ} E$

79.90 Ths loc to Secs. 2, 3, 10 and 11

Land high broken

Soil rocky & talus

Timber heavy Pine. Scattering will

T. 17 N. R. 8 E.

At or a random line bet Lcs. 2 & 3

Fa. 13° 40' E.

40.00 Set temperature 74 Sec Cor

80.09 intersect the N. boundary  
of the township 12 ells S. of the Cor  
to Lcs 2, 3, 34 and 35 -  
which is a mulpin with 10+8  
ins above ground marked

with 2 notches on the E and 4  
notches on the N edges. From which  
A pine 8 ins diam. hrs. N 30° E. 14 ells  
dist - marked T. 18 t. R 82 S. 35 B. T.

A pine 6 ins diam hrs. S. 32° E. 38 ells  
dist - marked T. 17 t. R 82 S. 2 B. T.

A pine 10 ins diam hrs 6° W. 21 ells  
dist - marked T. 17 t. R 82 S. 3 B. T.

A pine 14 ins diam hrs N 3° W. 17 ells

T. 17 N. R. 8 E.

dist - marked T. 18 N. R. 8 E. S. 34 B. T.

Three cut & run

800° - 05° E on a true line

bet. Secs 2 and 3 with some 2 in

Over rocky broken surface

11.00 Pine 14 ins diam.

14.00 ~~ft~~ Road hrs. 1.7. and 8.2

40.00 Set - mulches stone 15+10+6 ins

10 ins in the ground for 1/4 the

for marked 1/4 on top face and

poured a mound of stone

along side. from which

A pine 14 ins diam hrs 8. 10 W.

30 eks dist. marked 1/4 B. T.

Ascent steep slope

60.20 Top of Parker's Butte + 160  
ft - above 1/4 Sec 5 Cr

T. 17 S. R. 8 E.

61.20 Second slope of butte

70.00 Pine 11 in diam.

80.00 - 14 ft base of Polaris butte -

Thick cor. to elev 2.3. 10 & 11

Larch Mountainous

Soil rocky - 4 to 6 in -

Timber pine oak.

April 23, 1885 -

T. 17 N. R. 8 E.

From the Stand for to Secs. 33 and 34  
at the S. boundary of the Th  
which is a post - 4 ins sq in  
mound of stone properly marked  
from which

A Pin 38 ins diam has A. 40° S  
234 lbs dist.

A Pin 30 ins diam has A. 33° S - 165 lbs  
dist - properly marked

I run N. but - Secs 33 and 34  
to 13° 35' S

On high rolling surface

15.00 Pin 1 1/2 ins diam

28.00 Shallow marsh course S. S.

40.00 Set in alpine stone 10 + 10 + 6 ins  
7 ins in the ground for 1/4 dev for

T<sub>17</sub> A. R<sub>8</sub> E

marked  $\frac{1}{4}$  m. w. face and raised a mound of stone alongside - from which a pine 12 in. diam pros S. 5° W.  
39'els dist. - marked  $\frac{1}{4}$  S 0. T.  
A pine 8 in. diam pros N. 15° E  
50'els dist marked  $\frac{1}{4}$  S 0. T.  
85.00 Cross head of wash course 170.  
75.00 Descend rocky slope 25 feet to  
80.00 Set - mulpuis stone 18 + 10 + 8 in  
12 in. in the ground for Cor  
to Lvs 27, 28, 33 and 34  
marked with 1 notch on the S  
and 3 notches on the E edge  
and raised a mound of stone  
alongside from which  
A pine 24 in. diam pros S. 25° W. 50'els

T 17 N. R 7 E.

dist. marked T 17 N. R 7 E S 33 B. T.

Opin 3 in diam nos S. 25° E 30 ft dist  
marked T 17 N. R 7 E S 34 B. T.

no other trees of proper size within line

Land rolling - mountainous

Soil rocky - 4<sup>th</sup> cult

Timber heavy pine & some oak

E. on a random line bet Secs 27 & 34  
Ta 13° 35' E

40.00 set temporary & sec tree

80.00 Indicated (the) N + S line at  
the cor to Secs 26, 27, 34 & 38

Third from -

It. on a true line bet - Secs  
27 and 34 with same ta.

T. 17 N. R. 8 E.

descend to

- 9.90 Cross a wash 20 feet below  
the sec Cr. Course S $30^{\circ}W$  ascend  
35.00 Cross a road from Fair's  
ranch which has S.  $15^{\circ}W$
- 40.60 Set Malpini stone 12 + 8 + 5 is  
This is the ground for Helder  
Cr. marked  $\frac{1}{4}$  don't face  
and raised a mound of stone  
along side - descend  
~~through wash~~  
A stone 15 mds down has S.  $15^{\circ}W$   
dist. 100 ft is marked  $\frac{1}{4}$  \$0.50 S.  
deposited
- 46.80 Oak 18 mds down
- 50.00 Bench 100 feet below Helder Cr  
Cross Fair's road first  $10^{\circ}W$   
Then descending along S. side  
of wash to

T. 17 N. R. 8 E.

8000 ft. Cor to Sues 27, 28, 33, 34

Land broken - mountainous

Soil rocky - 4 to 6 in -

Writter heavy pine - some oak

A. Cuttings 27 and 28

Da 13° 35' E.

Second 25 feet to

3000 ft. dark soils with Course W

3400 Cross San Joaquin River at 80° W

Ascent rocky surface

10.00 Top 30 feet - above wash -

one rolling surface to

2300 Enter Canon 30 feet - deep Course

W

2450 Liver Canon - there over

T. 7 S. R. 8 E.

Rocky surface

40.00 Set volcanic stone 14 + 12 + 5 -  
10 in 10 in in the ground for  
Cr to mark it on N.W.  
and raised a mound of stone  
along side from which  
A pin 12 in diam has N. 89° 30' S.  
E. 35 chs dist marked 1/4 S. O. S.  
A pin 14 in diam has N. 10° W.  
75 chs dist marked 1/2 S. O. S.  
89.40 Oak. gins diam.  
65.40 Second slope 30 feet 6  
80.00 Set volcanic stone 18 + 16 +  
10 in 12 in in the ground  
for Cr to see 21 22. 27028  
marked with 2 notches on  
the S. and 3 notches on

T. 17. T. R. 82

the E. edge & and raised a mound  
of stone along side from which  
A pine 12 ins diam has. A 2.80 ft dist  
marked T. 17. T. R. 82 S. 22 B. T.  
A pine 10 ins diam has A 1.150 ft  
dist - marked T. 17. T. R. 82 S. 21 B. T.  
From this cor. a round butte  
about 250 feet high has. S. E.  
- the top being about the center  
of the N. W.  $\frac{1}{4}$  of sec 27  
Land broken mountainous.  
Soil rocky - 4 to rock -  
Timber heavy pines scattering well

T<sub>17</sub> N. R<sub>8</sub> E.

E. end a random line bet Secs. 22 + 27

Thru 13° 35'-E

40.00 Set temporary 1/4 sec Cor

80.08 Intersect - Bluff S. line 19 lbs

N. of the Cor to Secs 22, 23, 26

and 27

Then w. I run

N 89° 52' W on a true line

bet Secs. 22 and 27 with summit

descending a gentle slope at

45° I cross a shallow wash that

courses S 10° W. I then ascend to

39.00 the top of slope about 80 feet

above the wash

40.04 Set maficic Stone 12 + 10 + 8 in

This in the ground for 1/4 sec

Cor marked 1/4 on N faces

T. 17 N. R 8 C

and raised a mound of stone  
along sides.

Ascend rocky surface

65.30 Pine 14 is down.

70.00 Bottom of slope 25 feet - below  
 $\frac{1}{4}$  sec Cut.

Ascend 15 feet to

80.08 Thru Cut to Secs 21, 22, 27 & 28  
Land broken - mountainous  
Soil rocky -  $\frac{1}{4}$  to rock -  
Timber Pine & oak.

N. but - Secs 21 and 22

70 13.35' E.

Ascend ridge hrs 2 & 1/2

10.00 Cross the top & descend

20.00 Pine 17 is down.

About 40 feet - below top of ridge at

T. 17 N. R. 8 E.

40.00 At volcanic stone 12 + 10 + 8 ins 8 in

in the ground for 1/2 sec or marked it on  
surface raised a mound of stone alongside

55.00 Commence to ascend rocky ridge + 100 feet higher.

80.00 Tp. At volcanic rock 18 + 10 + 8 ins  
12 ins in the ground for 1/2 sec

10, 16, 21 and 22 marked with 3 moltenes

Each on the S. and E. edge is raised a  
mound of stone alongside - from which  
A pine 12 ins dia lies N. 30° W 120 ft dist  
marked T. 17 N. R. 8 E. S. 16 B. T.

An oak 6 ins diam. lies N. 40° E 180 ft dist

dist. marked T. 17 N. R. 8 E. S. 15 B. T.

An oak 5 ins diam lies S. 10° W 100 ft dist

dist. marked T. 17 N. R. 8 E. S. 21 B. T.

An oak 4 ins diam lies S. 30° E 100 ft dist

dist. marked T. 17 N. R. 8 E. S. 22 B. T.

T. 17 N. R. 8 E.

Land broken - mountainous.

Soil rocky - 4<sup>th</sup> rate -  
Timber heavy Pine & oak.

C. on a random line bet Secs. 15 & 22  
 On  $13^{\circ}35' E.$

40.00 Set temporary N. Sec C. on

80.00 Intersect N. and S. line 21 cts

N. of the C. to Secs. 15, 16, 21 022

Transl. 0 m

N  $89^{\circ}51' W.$  on a true line bet -  
 Secs 15 and 22 with same br.  
 Descending surface

8.00 Pine 14 ins diam

31.20 Cross a wash 40 feet below sec  
 Ave Course  $S 20^{\circ} E$

T. 17. R. 8 E.

40.03 A mafic stone 12 + 10 + 8 in  
 This is the ground for 1/4 the  
 Cr. marked 4 on N face & raised  
 a mound of stone along side from  
 which - A pine 13 in diam - West  
 $5^{\circ} N$  100 lbs dis - marked  $\frac{1}{4} B B T$   
 A pine 7 in diam has  $857^{\circ} S$   
 98 lbs dis - marked  $\frac{1}{4} S B T$ .

Along S. slope of ridge

63.30 Pine 12 in diam

80.06 Th Cr to Sacs 15-16-21-22  
 Land high & rolling  
 Soil rocky - 4" sub -  
 Timber heavy pine & spruce

T. 17 N. R. 8 E.

A. sec - Secs. 15 and 16

True  $13^{\circ} 35' E.$

Along the E. slope of Rocktop mt.  
30.00 Commenced to descend

40.00 Set volcanic stone 12 + 8 + 5 - in  
This in the ground for 1/4 sec  
or marked 1/4 m. W. fence and  
reared a mound of stone alongside  
from which a pine 14 in. diameter  
 $N. 10^{\circ} E.$  22 lbs dist. marked 1/4 S. E.

48.00 Foot of slope

54.00 Commenced to ascend

62.00 An oak 12 in. diam.

70.00 Top of ridge extending to S. E. 300.

72.30 Commenced to descend

80.00 A pine 30 feet below top of  
ridge - set multiple stone

T. y. t. R & C

14 + 12 + 4 ins 10 ins in the  
ground for Care to see  
9, 10, 15 - and 16 - marked  
with 4 notches on the S. and  
3 notches on the E edges and  
raised a mound of stone alongside  
from which -

A pine 10 ins diam has N 45° E 30  
deg dist marked T. y. t R 82 S 90 J

A pine 12 ins diam has S 20° W. 20 deg dist  
marked T. y. t R 82 S 16. B. J.

A pine 14 ins diam has N 35° E 10 deg  
dist marked T. y. t R 82 S 10 B. J.

A pine 30 ins diam has S 30° E 65 deg  
dist marked T. y. t R 82 S 13 - B. J.

Land high - broken - mountainous  
Timber - rocky & rare -  
Timber - heavy Pine.

Ty. N. R. 8 E.

E. and a random line bet Secs 10 + 15-

To  $13^{\circ} 38' E.$

40.00 Set temporary  $\frac{1}{4}$  sec cor

80.00 Extended to S. line as the last to  
Secs 10, 11, 14 and 15

Then cut & run

It. on a true line bet Secs 10 + 15-  
with some 2a.

Over rolling rocky surface

14.00 Enter valley extending  $180^{\circ}$  or

20.00 Leave valley

40.00 Set malmans stone 14 + 10 + 6 is  
10 in. in the ground for  $\frac{1}{4}$  sec cor  
marked  $\frac{1}{4}$  on top face and raised  
a number of stones along side from  
which a pine 28 in. diam has  $3.46^{\prime \prime}$   
87 elks dist marked  $\frac{1}{4}$  sec B. S.

Ty A. R. & C.

A pine 50 ins diam has b 24  
ft. 70 lks dist marked 1/4  
S.B.T.

Hence over broken surface  
58.00 commenced to ascend N.E. slope  
of Rock Top mountain

80.00 A point about 100 ft. high  
the Cr to Secs 9, 10, 15 and 16

Land mountainous

Soil 4<sup>th</sup> rate - rocky

Timber heavy pine & some oak.

T. 17 S. R. 8 E.

A. bei-Secs 9 and 10

Ja  $13^{\circ} 38' E$

Descending slope

14.90 Pine 48 ins diam.

15.20 Top of slope 30 feet below last Cr

18.00 Commence to ascend

40.00 Sel'mulha's stone 14+1/2 +5 is  
10 ins in the ground for 1/2 in  
Or marked 7 on N face and raised  
A mass of stone along side from  
which A pine 18 ins diam - has S. 45° or  
5-6 ft marked '48 B.T.

A pine 12 ins diam has 150° E

6-8 ft dia marked '48 B.T.

41.00 Top of ridge extends N. & N. 30° E  
Across and descend.

45.00 Pine 16 ins diam.

T, 7 N. R 5 E

- 47.00 Enter Wash Course N.W.  
 49.00 Bottom of wash which is about  
 125 feet below the top of ridge.  
 52.00 Leave wash and ascend to  
 80.00 A point about 700 feet above  
 wash - Si-mulphus stone  
~~14 + 11 + 10 = 35~~ - 10 ins in the  
 ground for Cor to secs. 3, 4  
 and 10 marked with 5-  
 notches on the S. and 3 notches  
 on the E. edges and raised on  
 mound of stone along side from  
 which April 14 is claim hrs. \$10 E works  
 dist. marked T, 7 N. R 5 E \$10 B.T.  
 April 24 is claim hrs. N 40° W - Balches  
 dist. marked T, 7 N. R 5 E \$4 B.T.  
 Land high broken mountainous

1/7 A. R. S. E.

Silver Lake - 4<sup>th</sup> rule -

Tinber heavy pine - 2 in. oak.

April 24<sup>th</sup> 1885

Draw a random line bet Secs 3 and 10  
va  $13^{\circ} 38' S$

40.00 Set temporary line Cor

79.88 Inducted to S. line blocks t.  
of the Cor to Secs. 2, 3, 10 & 11  
Then I ran

$30.89^{\circ} 47' W.$  on a true line bet -  
Secs 3 & 10 with same va.

1440 Pine 14 in diam.

20.00 Spruce 12 in diam

39.94 Set malpines ston 20 + 12 + 8 in  
14 in in the ground for H. decker

T, 7 A. R & E

marked  $\frac{1}{4}$  on N face and  
raised a mound of straw along side  
from which a pine  $\frac{1}{4}$  in diam has  
 $S. 10^{\circ} E 57.7$  chs dist marked  $\frac{1}{4}$  S. B. T.  
A pine 15 in diameter  $N. 18^{\circ} W$  70 chs  
dist marked  $\frac{1}{4}$  S. B. T.

55-00 From this pine - the house & spring  
of Madison Ranch lies S. about  
10 chs

70.30 Descend 45 feet to

72.10 Bottom of ravine course S. 12 $70'$

73.50 N. bank of ravine

79.80 Line loc. to Secs. 3, 4, 9 and 10

Land highly mountainous

Soil rocky & thin -

Tinker Pine & scrub.

T 17 N R. 8 E.

At a random line bet Sec 30 & 41

Ta.  $13^{\circ} 38' E$

40.00 Set temporary N-S line  
 80.10 Culverted the N. boundary line  
 of the Tl 45-lks E. of the Cor to Sec  
 3, 4, 33 and 34 which is a  
 mulberry patch 18+3 ins above  
 ground with 3 notches each on  
 the E and W edges from which  
 a pine 14 ins diam hrs.  $45^{\circ} 2'$   
 31 lks dist. marked T 18 A R 8 S 34 B. T.  
 A pine 10 ins diam hrs.  $65^{\circ} E$  13 lks dist.  
 marked T 17 A R 8 E S 3 B. T.  
 A pine 12 ins diam hrs.  $S. 10^{\circ} E$  34 lks dist.  
 marked T 17 A R 8 E S 4 B. T.  
 A pine 8 ins diam hrs.  $N. 60^{\circ} W$  33 lks  
 dist marked T 18 A R 8 E S 3 B. T.

T. 17 N. R. 8 E.

Thence down

S.  $0^{\circ} - 19' \Sigma$  on a true bed 384 with same var.

Over high rolling surface

18.00 Commenced to descend about 140 feet

22.00 Bottom of ravine 3-cks with Curr. W.

Then ascend rocky slope

30.00 Top of slope 35 feet above marsh

40.10 Set multiple stone 21 + 14 + 9 in.

14 in. in the ground for  $\frac{1}{2}$  side

Or. marked  $\frac{1}{4}$  on W. face and

raised a mound of stone

along side from which

A piece 24 in. diam hrs. S.  $10^{\circ} \Sigma$

16 lbs dist. marked H.S.B.T.

A piece 10 in. diam hrs. A  $18^{\circ} \Sigma$  65 lbs

dist. marked H.S.B.T.

T. 17 A. R. 8 E

50.00 Pine shallow bark coarse - 8' 0" tr

56.00 Pine 12 in diam.

60.00 Sustained slope

80.10 A point 40 feet below top of slope  
The cor. to Secs 3, 4, 9 and 10

Land broken - mountainous

Timber heavy pine & scat. oak.

From the Stand Cor. to Secs  
32 and 33, on the S. boundary of  
the Township which is a post-  
tire 29 in a mound of stone -  
properly marked - from which  
A pine 16 in diam has a st. 52° E  
48 lbs dist -

A Pine 18 in diam has 515° W 43 lbs dist -  
properly marked

Tyzt. R. S.E.

Span A. Ls - Lcs 32 and 33

In  $13^{\circ} 35' E$ 

(Second west pulling surface)

40.00 A point about 1200 feet above  
the stand. Cor.

Let volcanic slope 14 + 8 + 6 ins  
10 ins in the ground for  $\frac{1}{4}$  the  
Cor. marked  $\frac{1}{4}$  in p. face and  
raised a mound of slope  
along side from which

A point 12 ins diam has  $13^{\circ} 2^{\circ} E$  40 ft.  
dis marked  $\frac{1}{4}$  S. B. T.

A point 14 ins diam has  $8^{\circ} 12^{\circ} E$  46  
els dis marked  $\frac{1}{4}$  S. B. T.  
descend abruptly rough  
rocky surface about 300 feet

55.90 Cross bottom of road 40 els with

T. 17 A. R. 88

Courses S. 5° W. and ascend  
 80.00 ft. up about 700 feet above marsh.  
 Set volcane stone 18 + 16 + 17 in  
 12 in. in the ground for low to  
 Secs 28, 29, 32 & 33. marked  
 with notch on the S. and 4 notches  
 on the E. edge, and raised a  
 mound of stone alongside from  
 which - A pin 12 in. diam. has. A 40 ft. 100  
 lbs dist marked T. 17 A. R. 88 S. 2803

No other trees of proper size in limits  
 Land pretty mountainous

Soil + sub-

Timber Pine and oak.

I examined my instrument  
 to-day and found it - in  
 perfect adjustment.

T. 17 S. R. 8 E.

E. on a random line bet. Secs. 28 & 33

Lat.  $3^{\circ} 35' S$

40.00 Set temporary N-Sd Cr

80.15 Intersect N and S line 14 lbs

S. of the Cr to Secs. 27, 28, 33 & 34

Then S. from

S.  $89^{\circ} 54' W$ . on a true line

bet. Secs. 28 and 33 with same 2a

2.00 Descend rocky slope

22.00 Cross shallow wash 25 feet -

below last Sd Cr - take with compass

12<sup>th</sup> W. and ascend gentle slope

40.07 Set sulphur stone 14 + 7 + 5 = 26  
10 in. in the ground for N-Sd Cr  
marked 1/4 on top face & raised a  
mound of stone along side from  
which a pin 24 in. diam has 5.00%

T. 17 N. R. 8 E.

50 ebs size marked H.S.B.T.

Worthy tree of proper size with  
limbs -

50.00 Oak tree 12 in diam.

56.33 Pine 18 in diam

61.00 Top of slope about 100 feet above  
wash - Extends N. 70°.

Hence over rolling surface to

73.00 Wash about 20 feet deep  
10 ebs width on bottom Course S  
Then ascend to

80.15 A point 30 feet above wash  
Alt elev. to elev 28.29.32 & 33 -  
Land rough - monotonous  
Soil stony - 4<sup>th</sup> rock -  
Timber heavy pine & scattering oak.

T. 17 N R. 8 E.

N. lat. Sec 28 and 29

Lat  $35^{\circ} 35' E$

Ascend mound - Bronco

19.00 Pine 20 ins diam

22.00 Top of Mound - Bronco extends

thru S.E. about 350 feet above

See Cor.

22.80 Commence to descend maintain

40.00 Set mule's stone 12 + 10 + 6 ins

6 ins in the ground for  $\frac{1}{4}$  See Cor

marked  $\frac{1}{4}$  on W face and raised a

mound of stone along sides from which

A pine 6 ins diam lies 112.5 ft dist

marked  $\frac{1}{4}$  S.B.T.

An oak 8 ins diam lies S. 10° E. 50 ft

dist marked  $\frac{1}{4}$  S.B.T.

50.00 cross road N.W. + S.E.

53.00 Cross bottom of Canyon

about 450 feet below it

T 17 S. R. 8 E.

Top of Mount Brumos - 4000 feet  
Course N.W. and ascend  
50 feet to opposite bank &  
62.00 Enter broad park dotted with  
timber.  
80.00 Set volcanic stone 12 + 10 + 5 is  
8 ins in the ground for Co to live  
20, 21, 28 and 29 marked with  
2 notches on the S edge of and  
4 notches on the E edge no. and  
raised a mound of stone along side  
Lived high, mount always  
said rocky - 4th rock -  
Timber 62 chs open park 18 chs,

T. 17 N R. 8 E.

E. on a random line bet Secs 21 & 28

7a  $13^{\circ} 35' E$

40.00 Set temporary 1/4 sec cor

80.18 intersected N-S line 42 lfs

S of the cor to Secs 21, 22, 27 & 28

Then cut down

S.  $89^{\circ} 42' W$ . on a true line  
bet Secs 21 and 28 with distance

Over level bench

12.00 Commenced to descend slope

33.10 Point 14 in drain

40.00 Set maulpins about 17-18 ft in

8 in in the ground for 1/4 sec

Cor. marked 1/4 on N. face &  
raised a mound of stone

along side from which

An outlet 12 in drain was

T, 7 + R 8 E

100' S. 38 eks dist - marked 1/4 S. B. T.  
 A. Pin 15 ins diam has N 30° W  
 70 eks dist - marked 1/4 S. B. T.  
 50.00 Land timber and enter land  
 park about 100 feet below  
 last - see Cor.

80/18 Thw for to Secs 20. 21. 28 & 29  
 Land broken - mountainous  
 Soil rocky - 4<sup>th</sup> ret -  
 Timber 50.00 chs Pine oval  
 30.00 chs open park,  
 April 25<sup>th</sup> 1883 -

N. lat - Secs. 20 and 21

Va 13° 35' E

Hilly to open park.

T. 17 N. R. 8 E.

20.00 Enter heavy pine timber

Then over rolling surface

40.00 Set volcanic rock 12 + 8 + 8 in  
This in the ground for  $\frac{1}{4}$  sec  
or marked  $\frac{1}{4}$  on surface and  
raised a mound of stone  
along side from which  
A pine 12 in. diam has 480 ft  
stck dist marked  $\frac{1}{4}$  S.B.T  
A pine 14 in. diam has 445 ft 65  
stck dist marked  $\frac{1}{4}$  S.B.T

60.00 Commence to ascend steep  
rocky ridge that extends N.E.

80.00 A pine abou 150 feet above  $\frac{1}{4}$   
sec cor.

A volcanic rock in place  
24 + 20 + 15 ins above ground

T. 17 N. R. 8 E.

which I mark with a cross (+)  
at the exact Cor. first - with 3  
matches on the S. and 4 matches on  
the E. edges. for cor. to Secs 16-17-20 & 21  
Av. outc. 12 in diam hrs. t. 120° rocks  
dist. - marked T. 17 N. R. 8 E. S. 17. B. T.

A pine 24 in diam hrs t. 15° S 30°

Eks <sup>dir</sup> marked T. 17 N. R. 8 E. S. 16 B. T.

A pine 12 in diam hrs S 20° W 10 deg dist.  
marked T. 17 N. R. 8 E. S. 20 B. T.

A pine 16 in diam hrs S 30° E 70

Eks dist. - marked T. 17 N. R. 8 E. S. 21 B.

Land broken, worn talus

Soil rocky - 4<sup>th</sup> rate -

Timber 60 ft high pine -

scattered out 20 ft open park.

T. 17 N. R. 8 E.

E. on a random line bet Secs 16 & 21

Var  $13^{\circ} 35' 2''$

40.00 Set temporary 1/4 sec cor

80.00 Intersect it and S line 35-cls

1/4 sec to Secs. 15, 16, 21 and 22

Then S plane

$4.89^{\circ} 44' 17''$  on a true line bet

Secs 16 and 21 with same var

Ascend along S. slope of mt top.

12.00 Lf of slope extends to to  
summit of Rock Top mount  
which is about 30 ch dist -  
& about two feet high.

12.50 Commences to descend

21.00 Pass 12 in desc

40.00 Set mulpis ston 12 + 10 + 9 mis  
mis in the ground for 1/4 dec

T. 7 N R. 8 E

Cr. marked  $\frac{1}{4}$  m N. face and raised a mound of snow alongside from which a pine 24 in diam has for weeks dist marked  $\frac{1}{4}$  S B. T.

A pine 12 in diam has S. 12° E 25'-els dist marked  $\frac{1}{4}$  S B. T.

50.00 Foot of mountain side - 250 feet below top & entirely

54.35 Pine tree 36 in diam.

72.20 Cross a shallow wash Course SW.  
and ascend

80.00 Thd Cr to Secs 16, 17, 20 & 21

Land rugged mountainous  
S. 1st rocky - 4<sup>th</sup> rock

Finer pine and oak.

T 17 N R 8 E

N. but Secs 16 and 17

For  $13^{\circ} 35' S$

(Second over rolling surface)

36.00 Pine 14 in diam

37.00 Top of slope about 80 feet above  
sec Cr extends E.

37.3 D Commence to descend

40.00 Set mulberry staves 12 + 10 + 5 in  
fir in the ground for  $\frac{1}{2}$  sec Cr.  
marked  $\frac{1}{2}$  in to face and raised  
a mound of staves along side  
from which a

Pine 16 in diam hrs S  $88^{\circ}$  E 40 ft  
dis marked  $\frac{1}{2}$  S B.T.

A pine 18 in diam hrs N  $45^{\circ}$  W 100  
ft dis marked  $\frac{1}{2}$  S B.T.

48.00 Wash rocks with about 200 feet

T. 17 N R 8 E

below top of slope course S $65^{\circ}W$

black & cross and ascend

70.35 - Pine 14 in diam

78.20 Top of butte about 175 feet  
above wash extends N. to

80.00 Juniper stone 21+20+20  
in 14 in in the ground for 6 or  
to Secs 8, 9, 16 and 17 marked  
with 4 notches on the S and E  
edges and raised a mound of  
stone along side fern which

A Juniper 24 in diam has S $40^{\circ}W$ .

30 ft dist marked T. 17 N R 8 E S 17 B. S.

A Juniper 20 in diam has N $30^{\circ}E$ . 20 ft  
dist marked T. 17 N R 8 E S 9 B. S.

Another tree of proper size with limits  
labeled broken mountainous

17 A. PR 8 E

Gravelly - 4<sup>th</sup> mlt -

Timber. Pine, oak & Juniper.

E on a random line bet Sec 9 & 16  
7a. 13° 35' E.

40.00 Set temporary 1/4 sec cor

80.00 Intersect to S line 19 ths

N off the cor to Secs 9, 10, 15 & 16

Then to S line

A 89° 32' N on a true line bet

Secs 9 and 16 with same rd

Rough broken surface

11.00 Second rocky bluff bet Sec 9 &

15.00 oak 12 in diam.

24.00 Front of bluff about 200 feet

25 below sec cor

25.00 Enter bush course S 30° E

T. 17 S R. 8 E.

- 27.00 Leave wash and ascend  
gradual slope toward top of butte
- 40.00 Set - sulphur stone 14 + 10 + 8 in  
it is in the ground for 1/4 sec  
or marked 1/4 on it face and raised  
a mound of stone along side  
from which a pine 14 in diam has  
a 30° E. 20 ft. dia marked 1/4 S. 0.3 J.  
A Pine 14 in diam has 8.20 ft  
d. like dist marked 1/4 S. 0.3 J.
- 41.00 Enter butte land 50 feet above wash
- 50.00 Ascend slope
- 80.00 A pine - about 75 feet - above 1/4 sec Con  
the Con to nos 8, 9, 16 and 17  
Land broken - numerous  
soil rocky & sandy -  
Timber Pine over a Juniper.

T, 17 N R 8 E

N. bei Lcs 8 and 9

Pa  $13^{\circ} 35' E$

Rolling surface - ascend.

13.00 Commenced to descend

about 150 feet - to +

37.50 Bottom of wash 20 ft wide  
Course N.  $20^{\circ} W$ , and ascend

40.00 Set mauls in stone 12 + 10 + 4 1/2  
ins - 8 ins in the ground for  
1/2 sec Cir - maulled 1/2 on W

face and raised a mound of  
stone alongside from which

A fine 12 ins diam lens  $820^{\circ} E$   
10 ft dist - marked 1/2 B.T.

A fine 14 ins diam lens N.  $32^{\circ} W$  40

ft dist - marked 1/2 B.T.

51.00 Top of slope 100 feet above wash  
and descend

T. 17 N. R. 8. E.

57.30 Cross shallow wash course to  
and ascend rocky slope <sup>30</sup> ft  
80.00 Si-mulpi's stone 18 + 14 + 5 in  
2 in in the ground for Cr to  
Lcs. 4. 5. 8 & 9 marked with  
5 notches on the S and 4 notches  
on the E. edges and raised a  
mound of stone along side from  
which a pine 6 in diam the root. 4 lks  
dis marked T. 17 N. R. 8. E. S. 5 B. T.

A pine <sup>14 in diam</sup> hrs. S. 45° E. 110 lks dis marked

T. 17 N. R. 8. E. S. 8 B. T.

No other trees of proper size within limits  
Land high rolling, mountainous  
Soil rocky & rather -  
Timber pine and oak

T 17 N. R 8 E.

Eastward line bet Secs 4 & 9

Zn  $13^{\circ} 35' E$

40.00 Set temporary / + sec Cor

79.96 Inclined - A + S line 500 ft  
of the Cor to Secs. 3, 4, 9 and 10

Lower Driv

$\pm 89^{\circ} 39' N$ . on a true line bet-  
Secs 4 and 9 with same Zn.

On broken surfaces

10.00 Drive 12 m down

Ascend rocky slope

16.00 Top of slope 60 feet high.

19.00 Ascend slope 100 feet to

25.00 Cross wash 300 ft wide Course N.W.

25.30 Line wash and ascend

29.98 Set volcanic stone 12 + 10 + 9 ins  
This is the ground for  $\frac{1}{4}$

T, 7 N. R. 8 E

~~Sec. Cor. marked 1/4 on & face  
and raised a mound of stone  
along side from which  
A pine 16 in diam has 10 ft. 10 in.  
dis. - marked H.S.B.T.~~

A pine 15 in diam has 8 20° E 30°  
E 6 in dis - marked H.S.B.T.

44.00 Top of slope about 700 feet above  
rush extends N.W. & S.E.

46.00 Commenced to descend S. slope

57.40 Pine 48 in diam

73.10 Pine 14 in diam

79.96 The cor to Secs 4, 5, 8 and 9  
Land broken - mountainous  
soil rocky - 4 to 1 ratio -  
Timber Pine & scattering oak

T. 17 N. R. 8 E.

From a random line bet. Secs. 4 & 5 -  
Ra 13° 25' E.

40.00 At temporary 1/4 sec line  
 80.18 intersects the N. boundary of  
 the township 35-els E. of the Cor  
 to Secs 4, 5, 32 and 33 which  
 is a post - 4 ins sq marked  
 T. 18 S. 33 on N. E. R. 8 S. 4  
 on S. E. <sup>3P 17N</sup> S. 3 for cor and S. 2  
 on N. W. faces with 4 notches  
 on E and 2 notches on W edges  
 from which

A pine 24 ins diam. lies at 6° E. 77  
 ft. dist marked T. 18 R. 8 S. 33 05 J.  
 A pine 20 ins diam. lies S. 3° E. 45 ft. dist  
 marked T. 17 R. 8 S. 4 03 J.  
 A pine 30 ins diam. lies S. 78° 10' 100

T. 17 S. R. 8 E.

116 dist marked T. 17 S. R. 8 E. 850 B.T.  
On oak 14 in diam hrs N 40° W  
124 116 dist marked T. 18 S. R. 8 E. 832 B.T.

Ground Open

S. 00°-15' E. on a line line  
bet lines 4 and 5 with same top.  
On high rolling surface.

13440 Price 36 in diam  
20.00 commenced to descend ridge  
30.00 Top <sup>of ridge</sup> about 30 ft above bed  
32.00 commence to descend ridge hrs S. 11° W.  
40.18 Set smallpox stone 16 + 15 + 10 in  
11 in in the ground for typhus  
Com marked 1+ on W. face and  
raised a mound of stone along side  
On oak 7 in diam hrs S. 30° W  
30 116 dist marked 1/4 B.T.

T. 17. T. R. 8 E.

- A pine 10 ins diam hrs. ~~320~~ <sup>8</sup> ft  
48 lbs chis - marked  $\frac{1}{4}$  S. B. T.  
45.00 Enter Cañon 250 feet below  
top of ridge course S. 10.  
48.00 Leave bottom of Cañon and  
ascend slope  
77.00 Top of slope about 200 feet  
above Cañon & descend  
80.18 A pine 20 feet below top of slope  
The Cor to Secs. 24, 5-8 and of  
Land between mountains  
fir - at rate -  
Timber pine and oak.  
April 26. 1883-

T. 17 N. R. 8 E.

From the Standard Cr to Sec 31 and 32  
on the S. boundary of the township  
which is a part  $\frac{1}{4}$  mile sq. properly  
marked in mound of stone from  
which A Juniper 12 in diam has 110<sup>o</sup>E  
110<sup>o</sup>S dist -

A Juniper 14 in diam has 12<sup>o</sup> N. 203<sup>o</sup> E.  
dist - properly marked

From N. lat Sec 31 and 32

2 a 13° 35' E

Over rolling surface - ascend

16.00 Top of slope 50 feet above sec Cr  
has 120<sup>o</sup> S. 85<sup>o</sup> E.

Cross a dry wash course NW. 85<sup>o</sup> E.  
and descend from ridge

20.00 About 45 feet below top of ridge  
I cross a wash thence has S 30° W.  
+ ascend

T. 17 N. R. 8 E.

40.00 At mullein stone 15+9+8 is  
12 ins in the ground for 1/4 sec  
or marked it on W face and  
raised a mound of stone  
along side

Ran over rolling, rocky ground  
gradually ascending

80.00 A point about 75 feet above  
1/4 sec. Cr. At a mullein  
stone 18+16+8 ins 12 ins in  
the ground for Cr to trees

29, 30, 31 and 32 marked  
with no notes on the S and S-  
westerly or the E edges and  
raised a mound of stone along side  
from which an oak 15" dia tree  
S. 15° to 25° dist marked T. 17 R. 8 E. S. 3 B. T.

S. 17 N. R. 8. E.

To other trees of proper size  
with limits -

Land broken, mountainous

Soil rocky - & the rocks -

Higher scattering Pine and  
and Juniper.

E. on a random line bet Lcs 29+32  
2a 13°35'- E

40.00 set temporary 1/4 sec Cor

79.90 delivered to S<sup>t</sup> line at the Corf  
Lcs. 28, 29 32 and 33.

Then down

W. on a true line bet Lcs 29+33  
with some 2a

As and along S slope of mountain.

T, 7 & R 82

8.00 Top of a spur of Mt. Brown  
about 750 feet above Sec. Cr. &  
lies east over rolling surface

35.50 Pine 14 in. diam.

39.96 - St. mullein stone 18 + 16 + 12  
is 12 in. in the ground for  
1/2 sec. Cr. marked 1/2 on top face  
and raised a mound of stone alongside  
from which

A pine 4 in. diam has to 20° E 135-  
els dist - marked 1/4 B. T.

A Juniper 24 in. diam has S 30° E  
2 els dist marked 1/4 B. T.

70.00 Cross a wash 42 els at bottom  
Course S and about 350 feet  
below spur of mt.  
from which it ascends 30 feet

T. 17 N. R. 8 E.

79.90 Th. for to Secs 29, 30, 31 & 32

Land rough - mountainous

Soil rocky - ~~4+~~ <sup>4+</sup> rock

Timber pine, oak & juniper

At. on a random line bet. Secs 30 & 31

at  $13^{\circ} 35' E$

40.00 At temporary 1/4 sec cut

79.85 - delved at boundary of the  
township 52 lbs S. of the C. to  
Secs 29, 30, 31 and 36 which is  
a maficic rock, 10+ ft above  
ground with weathering 8 and  
5 and others on the edges from which  
A fine edge is down less  $13^{\circ} E$  great  
dist. marked T. 17 N. R. 8 E. S. 30. 0. 5.  
A fine edge is down less  $521^{\circ} E$  4 weeks

T. 7 N. R. 8 E.

dist marked T. 7 N. R. 8 E. S. 31 B. T.

A pine 21 is down hrs S. 45° W  
33 lbs dist marked T. 7 N. R. 8 E. S. 31 B. T.

A pine 18 is down hrs 1.35° W 82 lbs dist  
marked T. 7 N. R. 8 E. S. 25° B. T.

Hence from

S. 89° 38' E on a true line

bet Secs 30 & 31 with same 2a

(by pulling rocky surface)

20.00 Pine 22 is down

32.00 Oak 10 is down

39.86 - Si malpais stone 12 + 8 + 6 is

8 is in the ground for 1/4 sec Cr

marked 1/4 on N. face and raised

a mound of stone along side for

while. A pine 12 is down hrs S. 10° W  
10 lbs dist marked 1/4 S. B. T.

T, 17. t. R. 8 E

A pine 16 in. diam has at 30° 275 lbs  
dist measured 1/4 S B. T.

Ascend slope

8-6.00 Pine 12 in. diam

60. m 1/2 of slope about 750 feet above Lake Cr.  
and descend 140 feet to

79.85 - The Cr. to has 29, 30, 31 and 32

Land broken - many talus

Side rocky - 4<sup>th</sup> sub -

Timber Pine, oak & Juniper

t. but - has 29 and 30

2a 13° 35' 2.

Ascend broken rolling ground

8-00 enter table land

10.00 Pine 18 in. diam.

T. 17 N. R. 8 E.

- 18.00 Leave table land & ascend  
 40.00 Set mule trail stone 12 + 9 + 6  
 in 8 in in the ground for 1/4  
 set for marked 1/4 on W face  
 and raised a mound of stone  
 along side from which  
 Alpine 1/2 in diam has 110° E  
 20 chs dist marked 1/4 S. D. S.  
 Another 10 in diam has 830° W  
 25 chs dist - marked 1/4 S. D. S.  
 47.00 Top of W. end of M-Brown  
 about 450 feet above last but  
 48.10 Commence to descend  
 70.50 Enter table land  
 73.00 Cross road from Hain's ranch  
 bears 2. o. 10  
 73.00 Leave table land & descend

T. 17 N. R. 82

80.00 to bottom of mt. about 450 feet -

Set - mulches stone 12 + 10 + 8  
in 8 in in the ground for Cor  
to Secs. 19, 20, 29 and 30 marked  
with 2 notches on the S. and  
5 notches on the E. edges and raised a  
mound of stone alongside from which  
An oak 6 in diam hrs S 10° E 100 eks  
dist - marked T. 17 N. R. 82 S 20 D. Y.

An oak 12 in diam hrs S 15° W  
100 eks dist - marked T. 17 N. R. 82 S 30 D. Y.

No other trees of prop size with limits

Land high - normal winters

Soil rocky - 4 to 6 in -

Timber heavy Pine & scattering  
oak -

April 27, 1883 -

T17 N. R. 8 E.

E. on a random line bet-Ses 20 & 29

7a 13° 35' E.

40.00 Set temporary 1/4 sec cor

80.00 Extended to S line at the cor  
to Ses 20, 21, 28 and 29

Then to Pm

W. on a true line bet-Ses 20  
and 29 with some va

through open park

16.00 Lions Park - enter timber &  
discard rocky Canon

24.00 Bottom of rocky Canon 150  
ft - below park 35cts with  
course at 30% Cross & ascend

40.00 Set mafais ston 12+10+9 in  
this is in the ground for 1/4 sec cor  
marked 1/4 on it goes over

T. 7 N. R. 8 S.

raised a mound of straw alongside from  
which Apin 12 ins diam has N 15° E 65' elev.  
dist - marked  $\frac{1}{4}$  S. B. T.

Apin 14 ins diam has S 20° E  
50' elev dist - marked  $\frac{1}{4}$  S. B. T.

45.00 Top of N slope of Mt Brown ad  
about 400 feet above common  
descend on rolling surface

52.00 Cross Farms road course S 10° W

57.00 Pine 14 ins diam

80.00 About - 400 feet below top of  
~~slope of m.~~ - The cor to has 19.20.  
29 and 30

Land rugged. Mountainous  
Soil rocky - 4 to ratio  
Timber heavy Pine & some oak.

T 17 N. R 8 E

St. on a random line bet Secs 19 & 30

Lat  $43^{\circ}35' E$

- 40.00 Set temporary 1/4 sec cor  
79.80 intersect - the boundary of the  
township 29 cks S of the cor to  
secs 19, 24, 25 and 30 which is  
a mulpais rock 10 x 9 ins above  
ground with 2 notches on the S  
and 4 notches on the N edge w/ from  
which Apn 24 ins diam has  $40^{\circ}E$  16 ft  
dist marked T 17 N. R 8 S 19 B. T.  
Apn 6 ins diam has  $57^{\circ}30' E$  86 ft dist  
marked T 17 N R 8 S 19 B. T.  
Apn 30 ins diam has S 40 $70'$  114 cks  
dist marked T 17 N R 7 S 25 B. T.  
Apn 10 ins diam has  $418^{\circ}70'$  25 cks  
dist marked T 17 N R 7 S 24 B. T.

117 N. R. & E.

Thick Crom

S.  $89^{\circ} 48' E$  on a <sup>true</sup> random line  
bet trees 19 and 30 with some 20  
Over broken, rocky surfaces.

15.00 Prim 15 in diam

21.60 Prim 30 " "

39.80 Set - malpines stone 18 + 12 + 10 in  
12 in in the ground for 1/4 sec. or  
marked  $\frac{1}{4}$  on t. face and raised  
a mound of stone alongside from which  
An oak 8 in diam has a 30° W  
78 ebs dist marked 145 B.T.

60.00 Prim 12 in diam

60.20 Cross Farn's road no 1. 10,

62.00 Commence to descend slope

70.00 Bottom of wash 80 ebs across  
about 50 feet below  $\frac{1}{4}$  sec. or  
course  $1.30^{\circ} E$ .

T. 17 N. R. 8 E.

Ascend from bush about 10 feet

79.80 The last two 19. 20. 29 & 30

Land broken mountains

Sil rocky - 4<sup>th</sup> rock -

Timber heavy Pinus occidentalis

A. last two 19 and 20

Lat  $30^{\circ} 35' S$

Over broken rocky surface

7.70 Pinus 7 in diam

13-16 " 24 " "

40.00 Set - sulphur stone 12 + 10 + 9 in

8 in in the ground for  $\frac{1}{4}$  sec

Ct. marked 7<sup>th</sup> on it face and

raised a pound of stone along side of road  
A pin 8 in diam has 5 1/2 ft walls

T. 17 N. R. 82

dist.-marked 1/4 B S

An oak 10 in diameter N 10° E 30 ft

dist.-marked 1/4 B S

~~Second gentle slope~~

48.00 Commence abrupt descent -

53.00 Bottom of Cañon 100 ft wide  
about 150 feet below 1/4 sec Cor.  
course N. 25° W.

53.60 Leave Cañon bottom & enter  
low land

60.00 Commence gentle - descent -

67.50 Bench about - 25 feet above Cañon

68.30 Cross shallow wash course & descend

80.00 A point - about 75 feet - above Cañon

Set mullein stem 12 + 8 + 6 in

This is the ground for lot 20

17, 18, 19 and 20 marked with  
3 initials on the S and 5 initials on the

T, T. & R. S.

Every s. and raised a mound of stone  
alongside from which  
A pine 12 ins diam has  $30^{\circ}$  to  
rocks dist marked T, T & R. S.  
S 14. P. T. no other trees within limits  
Land broken - mountainous  
Soil rocky -  $40^{\circ}$  rock  
Timber Pine + scattering oak.

E. on a random line bet - has 17 & 20  
To  $13^{\circ} 35'$  E

40. on S. temporary 1/4 sec Cor  
80. on indicated it has line at the Cor to  
secs 16, 17, 20 and 21  
Hence I ran  
W. on a true line bet - has 17 & 20

T. 17 N. R. 85

snow covered 2 m.

Over broken, rocky surface  
through heavy timber

40.00 Set - multipie stone 12 + 17 + 7 in  
Tins in the ground for  $\frac{1}{4}$  sec at  
marked from N. gun and raised  
a mound of stone along side from  
which A pine 12 in diam. brat  $10^{\circ} E$  70  
ft. dist marked  $\frac{1}{4}$  S. B. T.  
A pine 14 in diam. 20 S.  $12^{\circ} W$   
50 ft. dist marked  $\frac{1}{4}$  S. B. T.

51.60 Pine 5 in diam

Gently ascending surface to

80.00 The lot to Secs 17, 18, 19 and 20  
Sand broken rocky  
Soil 4 to 6 in -

Timber Pine & scrub.

T 17 R. 8 S.

At. on a random line bet. Secs 18 & 19

Lat  $43^{\circ} 35' S$

4000 ft temporary 1/4 sec line

<sup>8</sup> 79.95 - intersected the boundary of the  
township 35-cks S. of the Cor to  
secs. 13, 18, 19 and 24 which is a  
mapple stone 12+10 ins above ground  
with 3 notches on it and 8 edges  
from which a

Pine 30 ins diam hrs  $430^{\circ} E$  23 cks  
dist - marked T 17 R 8 S 8 18 B.T.

A pine 8 in diam hrs  $330^{\circ} E$  70 cks dist  
marked T 17 R 8 S 8 19 B.T.

A pine 26 in diam hrs  $816^{\circ} N$  87 cks dist  
marked T 17 R 8 S 8 24 B.T.

A pine 22 in diam hrs  $86^{\circ} N$  103 cks  
dist marked T 17 R 8 S 8 13 B.T.

T. 7 N. R. 8 E.

Shrub Draw

S. 89° 45' E. on a true line bet. trees  
18 and 19 with same zw.

Over broken rocky surface

39.85 - St-malpais stone 12 + 8 + 6 ins  
This in the ground of 1/4 sec cor  
marked 1/4 on N. face and raised  
a mound of stone alongside from which  
A pine 12 ins diam bro. N. 100° or 50° E.  
dis-marked 1/4 S. B. S.

A pine 15 ins diam has S. 15° E. looks  
dis-marked 1/4 S. B. S.

descend rocky slope

47.00 Bottom of Cañon 60 feet below  
1/4 sec cor looks with Course N. 25° W.  
which I cross and ascend

71.90 Pine 12 ins diam

T 17 S. R 82.

79.85 - A point - about 80 feet - above

bottom of Cannon

The Cor to Sec 17, 18, 19 & 20.

Land broken - rocky,

Silt - & a rock -

Timber Pine and oak

A. 61 - Secs 17 and 18

In  $13^{\circ} 35' E$

Over broken, pulling surface

Ascending

20.00 Top of ridge & hills S. or W. about  
50 feet - above Sec Cor

21.00 descend abruptly & steeply

24.00 Bottom of ravine about 70 feet  
below rocks with courses at  $25^{\circ}$  to

T. 7 N. R. 8 E.

Cross rush and ascend slope

38.00 Top of slope about 75 feet above  
rush

40.00 Set - mafuris stone 14 + 10 + 8 ins  
10 ins in the ground for 1/4 sec cor  
marked from H. fine and raised  
a mound of stone along side from which  
A pine 6 ins diam lies at 502  
feet dist - marked H.S. B.T.  
to other tree 6 ins within limits  
Thence over rocky rolling surface

8000 Set a mafuris stone 12 + 8 + 6 ins  
8 ins in the ground for Cor to  
secs. 7, 8, 13 and 18 with 4 inches  
on the S and 5 on the E edges  
and raised a mound of stone along side  
from which a

T. 7 N R 8 E

A pine 8 ins diam hrs S 20° E 100 ft  
dist marked T. 7 N R 8 E 8. 17 B. T.

A pine 12 ins diam hrs S 30° E 100 ft  
dist marked T. 7 N R 8 E 8. 18 B. T.

A pine 24 ins diam hrs N 15° E 150 ft  
dist marked T. 7 N R 8 E 8. 19 B. T.

A pine 7 ins diam hrs N 30° E 400 ft  
dist marked T. 7 N R 8 E 8. 20 B. T.

Sand broken rolling

Soil rocky - + rub -

Timber heavy pine & scattering oak

April 28th 1885 -

T, 7 & R 8 E

C. on a random line bet-Sec 8 & 17

To  $13^{\circ} 35' E$

40.00 Set temporary 1/4 sec Cr

80.08 Intersected rd 8 line 12 eks

1/4 of the Cr to Secs 8, 9, 16 & 17

Thence SSW

At  $89^{\circ} 55' W.$  on a true line bet-

Secs 8 and 17 with same 2 cr

Over rolling descending surface

12.10 Pin 14 m. diam

22.00 Foot of slope about 40 feet below sec.

#0.04 Set mulpus stone 12 + 8 + 6 in

3 in in the ground for 1/4 sec Cr  
marked 1/4 Cr on it face and raised a  
mound of stone alongside from which  
a pin 12 in diam has 8 50 m or  
eks dia marked 1/4 S B. T.

T 17 N R 8 E

Opin 24 ins from base  $N 50^{\circ} E$ .  
rocks dis - marked  $\frac{1}{4}$  S. B. T.  
Then over broken rolling surface  
gently descending to  
~~so. of~~ the Cor to Secs 7, 8, 17 and 18  
Land broken mostly  
Sile at rate  
Timber heavy pine & some oak.

W. on a random line bet Secs 7 & 18  
 $79.68$  extended the W. boundary of  
the township 40 rods S of the Cor

to Secs 7, 12, 17 and 18 which is a  
mapple stone 10 + 5 ins above ground  
with 4 notches on the S. end

1.17 A. R 8 E

2 notches on top edges and a  
mound of stone along side.

Hence Open

S 89° 43' E on a true line bet-  
weens 7 and 18 with some re-

39.68 Si - sulphur stone 12 + 8 + 7 is  
8 in in the ground for  $\frac{1}{4}$  sec Cor  
marked  $\frac{1}{4}$  on top and raised a  
mound of stone along side from which  
A pine 12 in diam has S 13° 00' 50" Eks  
dist marked  $\frac{1}{4}$  S B.T.

A pine 22 in diam has N 16° E go  
Eks dist marked  $\frac{1}{4}$  S B.T.

47.00 + Shallow wash 10 Eks with Cor and N.  
Then over rolling, assuming surface

52.10 Pine 14 in diam

79.68 Sh Cor. to betweens 7.8 17 + 18.

T. 17 N. R. 8 E.

Land broken rolling  
 Soil rocky -  $\frac{1}{4}$  to rock  
 Timber - heavy pine.

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N. bet - less 7 and 8  
 in  $13^{\circ} 35' E$

Over broken rolling ground  
 24.00 Cross shallow wash 10 ft. marsh  
 Course N.

40.00 At small pass stone  $13 + 12 + 8$   
 ins & ins in the ground for  
 $\frac{1}{4}$  sec Cor marked  $\frac{1}{4}$  on W. face  
 and raised a mound of stones  
 alongside from which  
 Alpine 14 ins diam hrs S 20° W  
 110 cks dist marked  $\frac{1}{4}$  S.B. I.

T, 7 A. R 8 E

A pine 8 in diam hrs. 1.30<sup>0</sup> \$ 400 lbs  
dist marked T + S B. T.

46.60 Oak 10 in diam

78.30 Pine 18 " "

80.00 Six mulpusis ston 12 + 8 + 6 in  
8 in in the ground for Co to hrs  
5. 6. 7 and 8 marked with 5-  
nutes on the S. and E. edges  
and raised a mound of stone  
alongside from which

Oak 6 in diam hrs \$ 1.00<sup>0</sup> \$ 300 lbs dist  
marked T, 7 A. R 8 E S, B. T.

A pine 28 in diam hrs \$ 15<sup>0</sup> \$ 150 lbs  
dist marked T, 7 A. R 8 E S, B. T.

A pine 6 in diam hrs 1.5<sup>0</sup> \$ 100 lbs  
dist marked T, 7 A. R 8 E S, B. T.  
no other trees of property in limits

T. 17 N. R. 8 E.

Land broken rolling  
 Soil rocky & rather  
 timber heavy pine & some oak

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East of random line but Sec 5 & 8  
 Va 13° 35' E.

40.00 Temporary 1/4 section  
 79.90 Intersect to S line at the  
 Cr to Sec 4, 5, 8 and 9  
 Then west from  
 It was a true line but Secs  
 5 and 8 with same Va  
 over rolling descending  
 surface

39.95 - Set mullein stone 12 + 8 + 5  
 ins 8 ins in the ground for 1/4

7.17 A. P. E.

Sed Cor marked 1/4 on N face  
and raised a mound of snow  
along side from which -

A fine 6 in diam b.s. \$45° 2 60  
Eks dist marked 1/4 S B.T.

A fine 14 in diam b.s. R. 30° W 100  
Eks dist marked 1/4 S B.T.

57.40 Pine 24 ins diam.

79.90 Thd Cor to b.s. 5-6 7~~8~~ 8

Land high rolling

Soil rocky - & " -

Timber heavy pine & some oak

At on a random line but ~~by 60°~~

2a 13° 35' S

40.00 St. temporary 1/4 Sed Cor.

T 17 N. R 8 E

79.70 Intercept the boundary of  
the township 45 rods S of the Cr  
to Secs 1, 6, 7 and 12 which is  
a mafic rock 10 + 8 ins  
above ground with 3 notches  
on the S. and 1 notch on the N  
edges and a mound of stone  
always side.

Hence I run

S 89° 41' E on a true line  
bet Secs 6 and 7 with same ro  
Over high rolling surface  
28.00 descent rocky slope 75 feet to  
30.50 Cross bottom of Canyon 100 rods with  
course S. 2° W and ascend  
rocky slope  
36.00 Top of slope about 100 feet

J. 17 A. R. 8 E

above bottom of Canon

39.70 Set malpais stone 12 + 10 + 8 in  
This is the ground for  $\frac{1}{2}$  sec Co  
marked  $\frac{1}{2}$  on N face and raised  
a mound of stone alongside  
Ascend gentle slope to

79.70 A point about 25 feet above  $\frac{1}{2}$  sec Co  
The Co to Secs. 6, 6, 7 and 8

Land broken - mounds stones

Soil rocky + - mudi -

Turber pine or oak

I examined my instrument  
to-day and found it in perfect  
adjustment -

T. 17 N. R. 8 E.

For a random line bet S. 8 & G.

2d 13° 35' S

40. 00 Let temporary 1/4 sec or

80. 10 Entered at boundary line  
of the township at the line to Secs  
5, 6, 31 and 32 which is a  
mapple rock 12 ft. in above  
ground with 5 matches on E +  
match on W edge from which

A pine 8 ins diam has 100 to 120° S

36 lbs dist marked T. 18 N. R. 8 E. S. 5 T. 1.

A pine 25 ins diam has S. 2° E 119 lbs

dist marked T. 17 N. R. 8 E. S. 5 T. 1.

An oak 14 ins diam has S. 30° E 44 lbs

dist marked T. 17 N. R. 8 E. S. 6 T. 1.

An oak 7 ins diam has N. 32° W. 48 lbs

dist marked T. 18 N. R. 8 E. S. 3 T. 1.

T. 17 N. R. 82

Three I run

Saw a tree line but has 5-6  
with some snow.

over broken surface descending

37.00 Enter Canyon 30 feet - drift Course S 20° W

37.80 Ascend from Canyon 30 feet - to

40.10 Red - mafusis stone 13 + 10 + 8 in  
gns. in the ground for 1/4 mile to  
marked 1/4 on W face and raised  
a mound of stone along side from which  
Pin 12 is dim East. S 20° E 600 ft.  
dis' marked 1/4 S 33° T.

A fine 14 in. drain lies N 20° W  
to the dis' marked 1/4 S 33° T.

50.00 Commence to ascend ridge

52.08 Pin 12 is dim

62.00 Top of ridge about 200 feet high  
lies E & W.

T 17 N. R 82

- 63.3° Commences to descend ridge  
77.0° Bottom of wash 15-cls with  
about 200 feet below top of ridge  
Course W then ascend to  
80.1° A point 30 feet above wash  
Slope to Secs. 5, 6, 7 and 8  
Land high rolling mountains  
Soil rocky - 4 to 6 in.  
Timber pine oak & Juniper  
April 29th 1885  
Ridgley C. Powers,  
Nat. Supply Surveyor.

T. 17 S. R. 8 E.

General remarks.

This township lies on the S. W. slope of the Mogollon mountain range according to the settlers who reside upon it, as well as by the natural configuration of the country, the Mogollon range of mountains embraces all that extent of mountainous country that is drained by the "Río Verde" on the N. & S. and the "Río Colorado Chiquito" on the N. and E. and extending from "Bill Williams Mountain" on the N. W. and to "Tonto Basin" on the S. E. The word "Mogollon" is so from the Spanish, and

T. 17 N R. 8 E.

means parasitic -

The timber over the entire section, as above bounded and described, is of similar character, and it is more or less living and draped with parasitic plants.

This township, as is also nearly the entire Payette range, is covered with volcanic rock more or less broken and decomposed. It is covered with yellow pine of fine quality - and along the canons and washes there is valuable

T 17 R 82

MOUNTAIN OAK

All the open spots are covered with blue joint-grass  
and bunch grasses; and among  
the timber there is considerable  
<sup>Theriozene</sup> pine and other grasses and  
bromes <sup>A</sup> vulnerable for  
pasturage.

Permanent water at  
accessible points ~~is~~ is  
very scarce. There  
are not more than three  
or four springs in the  
township that do not go  
dry in summer.  
The most permanent features  
in the township are rains

T. Y. S. R. 82

Bronson, Mi-Bron co<sup>d</sup>  
and Rock Top mountain,  
River C Powers  
N.Y. Surveyor,  
April 24th 1883-

For final oaths  
see Book No.

## U. S. Surveyor General's Office,

Tucson, Arizona, Nov 11<sup>th</sup> 1885-

The foregoing Field Notes of the Survey of the  
Subdivision lines of Township  
17 North Range 8 East

Of the Gila and Salt River Base and Meridian, Arizona, executed by Ridgley C. Powers  
Deputy Surveyor, under his contract of the 21<sup>st</sup>  
day of February, 1885, having been critically examined and the necessary corrections and explanations made, the said Field Notes and the surveys they describe are hereby approved.

Royal A. Johnson  
Surveyor General.