

279

BOOK 279

279

F I E L D N O T E S

OF THE SURVEY OF THE

SUBDIVISION LINES

OF B O O K 279

Township 18 North, Range 10 East.

Gila and Salt River Base and
Meridian,

ARIZONA.

By Ridgley C. Powers, D.S., under
Contract dated February 21, 1885.
Survey commenced May 4, 1885.
Survey completed May 8, 1885.

6	99	5	73	4	56	3	41	2	2
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98	97	72	55	38
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7	96	8	71	9	53	10	35	11	1
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94	93	69	51	34
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18	92	17	68	16	50	15	33	14	1
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90	88	67	49	31
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19	86	20	66	21	48	22	30	23	1
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84	83	65	46	29
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30	81	29	63	28	45	27	27	26	1
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79	77	60	44	26
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31	75	32	58	33	42	34	24	35	2
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BOOK 279

								2
5	73	4	56	3	41	2	21	1
97	72		55		38			19
8	71	9	53	10	35	11	16	12
93	69		51		34			14
17	68	16	50	15	33	14	13	18
88	67		49		31			11
20	66	21	48	22	30	23	10	24
83	65		46		29			8
29	63	28	45	27	27	26	7	25
77	60		44		26			5
32	58	33	42	34	24	35	3	36

For preliminary oaths
and description of
instruments see
book No. 1

No-279

BOOK 279

T 18 x R 10 E

From the Cor to Secs 1, 2, 35 & 36
on the S boundary of the $\frac{1}{4}$ of which
is a post-3 ins sq in a mound
of stone properly marked
From which

A Cedar 12 in diam here
150' to 229 lbs dist -

A Cedar 12^{ins} diam here
150' 129 lbs dist -

I ran

A bet. Secs 35 + 36

To 13° 35' E

Over rolling rocky mesa

40.00 bet-mulpin stem 12 + 10 + 9 ins

5 ins in the ground for

T 18 N R 10 E

$\frac{1}{4}$ Sec Cor marked $\frac{1}{4}$ on
N face and raised a mound
of stone along side

80.00 Set Malpica stone 13+7+7 in
gins in the ground for Cor
to Secs 25. 26. 35-236

marked with 1 notch on the S
and 1 notch on the E edges &
raised a mound of stone
along side

Land rolling rocky mesa
Soil + ^{the} rocky -

Timber scat, ^{scrub} Cedar brush.
& a few small pines.

T 18 N R 10 E

E. on a random line bet Secs 25 & 36

7a 13° 35' E

40.00 Set temporary 1/4 Sec Cor

- 80.10 Intersect - E boundary of the 29
 29.00 Ets N of the Cor to Secs 25, 30
 31 & 36 which is a malpais
 rock 10 x 7 ins above ground
 marked with 1 notch on the S & 5
 notches on the N Edge 15 ft from which
 A pine 14 ins diam bet N 20° E 13
 Ets dist - marked T 18 N R 11 E S 30 B J
- A pine 18 ins diam bet S. 61° S 54 Ets
 dist marked T 18 N R 11 E S 31 B J
- A juniper 90 ins diam bet S. 34° W
 105.00 Ets dist - marked T 18 N R 10 E S 36 B J
- A pine 20 ins diam bet N 65° W 145 Ets
 dist marked T 18 N R 10 E S 25 B J

T 18 N R 10 E

Thence I ran

N. on a true line bet Secs 25 + 36
with some bar

- 21.40 Second steep rocky slope
30.00 Bottom of Cañon - 60 feet -
3000 with Course S 45° E
30.15 Commenced to ascend
36.00 Top of bank of Cañon + 70 feet -
36.20 Cedar 16 ins diam
40.05 Set map's stone 10 + 8 + 5 ins
7 ins in the ground for $\frac{1}{4}$ section
marked $\frac{1}{4}$ in N field and raised
a mound of stone along side
51.40 Cedar stump 40 ins diam
80.10 Thence to Secs 25 - 26 35 + 36
Land high broken mesa
Soil rocky - 4th rule -
Timber scat. Cedar small pine

T. 18 N R 10 E

N. bet Secs 25 and 26

74 13° 35' E

12.00 Commenced to ascend

22.00 Top of slope 40 feet high
ascend

40.00 Sub-mulpha's stone 12 + 10 + 6 in
8 ins in the ground for 4 the cor
marked 4 in. to face and raised
a mound of stone above it.

67.00 Descend abruptly rocky slope

70.50 Bottom of canon 75 feet - 300 yds
wide course S. 30° E.

70.70 Commenced to ascend from Canon

76.00 Top of opposite bank + 80 feet -

80.00 Sub-mulpha's stone 13 + 12 + 9 in
9 in in the ground for cor to Secs
23, 24, 25 & 26 marked with

T 18 N R 10 E

2 notches on the Sand 1 notch on
 the E. edge and raised a mound
 of stone alongside from which
 A pine 10 ins diam brst. 25' 180
 lbs marked T 18 N R 10 E S 24 B J
 A pine 16 ins diam brst. 40' 200
 lbs dist marked T 18 N R 10 E S 23 B J
 No other trees of size within limits
 Land broken

Soil - rocky - 4th rate
 Timber Scat-pine & scrub cedar

E. on a random line bet Secs 24 & 25

7a 13° 33' E

40.00 Set temporary 1/4 Sec Cor

80.14 Intersect - E. boundary of

T 18 N R 10 E

40.22 Wks N of Cor to Secs
19, 24, 25 & 30 which is a
malpais stone 9+7 ins above ground
with 2 notches on the S and H sides
on the N edges with a mound
of stone alongside.

Thence S then

N 89° 51' W on a true line bet
Secs 24 & 25 with same pd

40.19 Through dense cedars in clump
Set malpais stone 14+12+11 ins
high in the ground for 1/4 Sec Cor
marked 1/4 sec face and raised
a mound of stone alongside
Gradual ascending slope

80.14 a point 750 feet above 1/4 Sec Cor
The Cor to Secs 23, 24, 25 & 26

T. 18 N. R. 10 E

Land broken mesa
 Soil rocky - 4th rate -
 Timber, dense cedar brush

N. bet - Secs 23 and 24

Tn 13° 35' E

20.00 descend 20 feet to bottom of dry Pan

20.40 Along bottom of pond

30.00 ascend opposite bank of pond 25.4

dry pond 10 ch + 0 S by 15 chs E + N

40.00 Set - malheur's stem 16 + 10 + 9 ins

12 ins in the ground for 1/4 section

marked 1/4 in surface and raised

a mound of stem along side

50.12 Pan 12 ins diam

80.00 Set - malheur's stem 15 + 12 + 8 in

T 18 x R 10 E

10 ins in the ground for Cor to Secs
 13, 14, 23 & 24 marked with 3
 notches on the S. and 1 notch
 on the E. edges and raised a
 mound of stone along side
 Land broken mesa
 Soil - rocky - 4th wh -
 Timber small pine & cedar brush

E. on a random line bet Secs 13 & 24

7th 13° 34' E

40.00 Set temporary 1/4 Sec Cor

80.00 Intersect - E boundary of 1/4
 at the Cor to Secs 13, 14, 19 & 24
 which is a mephins stone 10 + 9
 ins above ground with 3 notches

T 18 N R 10 E

Each on N and S edges
with mound of stone along side
thence S & W

It was a true line bet Secs 13 + 24
with sound rec.

Over rolling-ascending surface

40 00 Set multipair stone 15 + 12 + 4
ins 10 ins in the ground for $\frac{1}{4}$
bet cor marked $\frac{1}{4}$ on N edge
and raised a mound of stone
along side

51 50 Cross road 10 lks wide course
S 10° E + ascend

72 00 Top of slope 60 feet above road

80 00 The cor to Secs 13, 14, 23 + 24

Land broken mesa

Soil rocky - 4th cut -
Timber scattering Ordov + pine

TISK RICE

N. lat - Secs 13 and 14

Ta 13° 34' E

- 15.00 Cross mark 3000 mids ^{course + 10° E} - ~~marked~~
- 32.20 Top of slope 24 feet above mark
- 40.00 Set - malpais stone 12 + 11 + 8 ins
8 ins in the ground for $\frac{1}{4}$ the Cor
marked $\frac{1}{4}$ in N. face and raised
a mound of stone along side
- 50.00 Set - malpais stone 15 + 8 + 5 ins
10 ins in the ground for Cor to
Secs 11, 12, 13 and 14 marked
with 4 notches on the S and 1 notch
on the E edges - raised a mound
of stone along side
- Land pulling -
Soil rocky - 4th mile -
Timber seat - Cedar brush

T, 8 N R 10 E

On a random line bet Sec 12 & 13
 bet $13^{\circ} 33' E$

40.00 Set temporary 'L' line Cor

79.88 Enter bet E boundary of the
 38 lks S of the Cor to Sec 7, 12, 13 & 18
 which is a malpais rock 10 & 7
 ins above ground with 4 notches
 SW the S and E notches on the N edges
 from which a cedar 6 ins diam bet $N 33^{\circ} E 19$
 lks ^{dist} marked T, 8 N R 11 S S 7 B. T.

A cedar 5 ins diam bet $S 24^{\circ} E 18 \frac{1}{2}$ lks
 marked T, 8 N R 11 E S 18 B. T.

A cedar 8 ins diam bet $S 30^{\circ} W 25$ lks
 dist marked T, 8 N R 10 E S 13 B. T.

A cedar 5 ins diam bet $N 20^{\circ} W 14$ lks dist
 marked T, 8 N R 10 E S 12 B. T.

Then at Crown

T. F. R. 10 E

S 89° 44' W on a true line bet Secs
12 and 13 with some va.

180 Enter flat - plot of ground

10.00 Leave flat and ascend

14.00 Top of slope 60 feet above flat -

15.00 Enter cedar thicket & descend

39.94 Set maffra's stone 15 + 8 + 5 in's
10 in's in the ground for $\frac{1}{4}$ Sec
One marked $\frac{1}{4}$ on N face and
raised a mound of stone alongside
from which a pine 12 in's diam. has to
45.05 240 lbs dist marked $\frac{1}{4}$ S. B. S.
No other trees of proper size within
limits -

46.50 Cross wash - 40 feet to top with curve

8000 ft and ascend

50.00 Top of slope + 60 feet above wash

T. R. R. 10 E

79.88 The Cor. to Secs. 11, 12, 13 & 14
 Sand rolling - broken
 Soil rocky - 4th row
 Timber some Cedar thickets
 after 12th - 14 chs.

A. bet Secs 11 and 12

To 13° 33' E.

Through dense Cedars

40.00 Set multipine stone 15 + 8 + 5 ins
 10 ins in the ground for 1/4 Sec
 Cor marked 1/4 on N face and
 raised a mound of stone
 alongside from which
 a Cedar clump 20 ins diam has to
 20 lbs dist. - marked 1/2 S 10 S.

T. 18 N. R. 10 E

- A cedar clump 16 ins diam hrs S20°W
 hrs the dist marked T. 18 N. R. 10 E S 1 B. J.
 80.00 A 1 - mulpinis stem 21 + 10 + 8
 ins 14 ins in the ground for
 hr to Secs 1, 2, 11 and 12
 marked with 5 notches on the
 S and 1 notch on the E edges
 and raised a mound of stem
 alongside from which
 a pine 6 ins diam hrs N. 60° E 30 lbs
 dist marked T. 18 N. R. 10 E S 1 B. J.
 A pine 4 ins diam hrs N. 40° W 40 lbs dist
 marked T. 18 N. R. 10 E S 2 B. J.
 A cedar clump 12 ins diam hrs S30° E 20 lbs
 dist marked T. 18 N. R. 10 E S 12 B. J.
 A cedar clump 10 ins diameter hrs S10° W
 15 lbs dist marked T. 18 N. R. 10 E S 11 B. J.

T 18 N R 10 E

Land broken
 Soil - rocky - 4th rate -

Remarks

These cedars stand in clumps of from 3 to 20 or more. They ^{clumps} are from 5 to 70 or more inches diameter at the ground, and branch out very low to the dimensions of from 5 to 50 feet in diameter and are so thick as to be almost impenetrable.

Pidgley C. Powers
 U. S. G. S.

May 4th 1885

T 18 N R 10 E

E. on a permanent line bet Secs 1 and 12

va $13^{\circ}32' E$

40.00 A temporary 1/4 sec cor

79.90 Intersect - E boundary of $\frac{1}{4}$ sec cks

S. of the cor to Secs 1, 6, 7 and 12

which is a malpais rock 10x10 ins

above ground marked with 5 notches

on the S. and 4 notches on the N. edges

from which a cedar 8 ins diam has $N 50^{\circ} E$

22 cks dist marked T, 8 N R 11 E S 6 B, J.

A cedar 8 ins diam has S $16^{\circ} E$ 10 cks dist

marked T, 8 N R 11 E S 7 B, J.

A cedar 12 ins diam has S $43^{\circ} W$ 14

cks dist marked T, 8 N R 10 E S 12 B, J.

A cedar 18 ins diam has N $62^{\circ} W$ 18 cks dist

marked T, 8 N R 10 E S 1 B, J.

Thence

T 18 N R 10 E

S 89° 38' from a true line bet Secs 10 & 12
with same run

39.95- Set mulpins down 13 + 9 + 9 ins
9 ins in the ground for $\frac{1}{4}$ Sec Cor
marked $\frac{1}{4}$ on top and raised
a mound of stone along side of one side
A pinon 6 ins diameter bet 425 to 15-
lbs dist marked S $\frac{1}{4}$ S. P. J
no other tree within limits

Ascending ground

60.00 Top of slope about 60 feet above
 $\frac{1}{4}$ Sec Cor.

79.90 The Cor to Secs. 1, 2, 11 & 12
Land broken

Soil rocky - 4th decl

Timber dense cedar + small pine

T. 8 N R. 10 E

N. on W. boundary line bet Secs 1 and 2

7n 13° 32' E

40.00 At temporary 1/4 Sec. Cor

80.10 Intersect N boundary of T. at
the Cor. to Secs 1 - 2 - 35 - & 36

which is a mullins rock 10 + 6 ins
above ground with 1 notch on E
and 5 notches on W edge of ground

Redwood 18 ins diam bet N 45° E,
31 1/2 lbs dist. marked T. 8 N R. 10 E S 36 B. T.

Redwood 16 ins diam bet S 20° E 42 lbs dist -
marked T. 8 N R. 10 E S 1 B. T.

Redwood 6 ins diam bet S 40° W 10 lbs dist -
marked T. 8 N R. 10 E S 2 B. T.

Redwood 14 ins diam bet N 60° W 19 lbs
dist marked T. 8 N R. 10 E S 35 - B. T.

Lunch & pass

T. S. R. 10 E

S. on a true line bet - Secs 1 & 2
with some ra

40.10 Set traps along stream 15 + 8 + 6 in
10 in in the ground for $\frac{1}{4}$ Sec Cor
marked $\frac{1}{4}$ on N. side and
raised a mound of stone alongside
from which a pinon 8 in diameter N 15° E
colts dist-marked $\frac{1}{4}$ S. B. T.
A pinon 8 in diameter S 20° W
colts dist-marked $\frac{1}{4}$ S. B. T.

46.00 Commenced to descend slope

51.80 Cross (+) wash 15-lb with current 8° E
about 45 feet from top of slope
and ascend slope

56.00 Top of slope about 60 feet
above wash

80.10 The Cor to Sec 1-2 -11-12

T. 18 N R 10 E.

Land rolling & broken
Soil rocky - 4th cut -
Timber some pine & birch and
dense cedar clumps.

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

T. 18 N. R. 10 E

From the cor to Sec 2 - 3 - 34 P 35 -
on the S. boundary of the T₄ which
is a post-3 ins. ^{sq}
properly marked as per
old instructions - in a
massed. of stone.

Dran

T18 N. R10 E

N. bet - Secs 34 and 35-

Ta 13° 33' E

Dred rocky mess

40.00 Set Malpais stone 15 + 10 + 6 ins
 10 ins in the ground for $\frac{1}{4}$ section
 marked $\frac{1}{4}$ on N face and raised
 a mound of stone along side

40.12 Cross a road course N.

47.80 Cross N. edge of shallow lake
 that is about 15 chs N & S by 35 ch E & W

80.00 Set Malpais stone 10 + 8 + 6 ins
 7 ins in the ground for Secs
 26-27-34 & 35 - marked with
 notch on the S and 2 notches
 on the E edges and raised a
 mound of stone along side

Land broken mess

Soil rocky - 4th rate

Timber scattering Cedars

T. 18 N. R. 10 E.

E. on a random line bet Leas 26035-

To 13° 33' E.

40.00 Set temporary 1/4 sec Cor

80.00 Intersect to line at the Cor

to Leas 25, 26, 35 and 36

Then O run

N. on a true line bet Leas 26035-

with same Fee.

28.80 Descend 10 feet - to bottom of dry
pond - then along bottom of pond

36.60 Ascend 10 feet - out of dry pond

40.00 Set malpais stone 16 + 8 + 6 ins

11 ins in the ground for 1/4 sec

Cor marked 1/4 out to face and

raised a mound of stone

along side

40.10 Enter dry pond

T. 18 N. R. 10 E

- 47.80 Ascend 12 feet - out of dry pond
 80.00 The cut to Sec 26-27-34 & 35-
 Ground broken mesa
 Soil rocky - 4th rock -
 Timber scattering, Cedars

A. bet Sec 26 and 27
 In $13^{\circ} 33' E$

- Over broken rolling mesa
 40.00 Set multipole stone 21 + 12 + 4 is
 14 is in the ground (per 1/4 sec)
 Cr marked 1/4 on N face
 and raised a mound of stone
 alongside

41.00 Ascend slope

- 57.80 Top of slope about 30 feet above
 1/4 sec cut

T 15 + R 10 E

52.00 Second slope

67.50 Bottom of wash - 35 feet
8000 width course E

Ascend from wash

76.00 Top of slope about 40 feet
above wash

80.00 Set malpais stone 12 + 10 + 9 is
5000 in the ground for bar to
Sew 22 - 23 - 26 + 27 marked
with 2 nails each on the S + E
edges and raised a mound of
stone alongside

Good broken mesa

Soil rocky - 4th rate

Timber scattering Cedars

T. S. R. Rio E

Open a random line bet Secs 23 & 26

Pa $13^{\circ} 32' E$

40.00 Set temporary $\frac{1}{4}$ Sec Cor

8014 Subscribed to S line at
the Cor to Secs 23, 24, 25 & 26

Thence S & east

to on a true line bet Secs 23 & 26

with some run.

Over broken ridge

ascend slope

21.00 Bottom of wash - 20 feet - 7 lbs

with course S. $23^{\circ} E$ which I

cross and ascend slope

24.15 Top of slope + 25 feet - above wash

4007 Set - sulphur stone 21 + 12 + 10 in

14 in in the ground for $\frac{1}{4}$ Sec Cor
marked $\frac{1}{4}$ on N face and raised

T. 18 N. R. 10 E

mound of stone alongside
 80.14 The Cr. to Secs 22-23 - 26-27
 Land broken near
 Soil rocky - 4th rule -
 Timber scat. pine & cedar

N. bet - Secs. 22 + 23

va 13° 32' E

Old rubbing surface

40.00 Set Malpais stone 15 + 9 + 8 in
 10 in in the ground for 1/4 Sec
 Cr marked 1/4 on to face and
 raised a mound of stone
 alongside.

80.00 Set Malpais stone 12 + 10 + 9
 in 8 in in the ground

T. 8. N. R. 10 E.

for Cor to Secs 14-15-22 & 23
 marked with 3 notches on the S
 and 2 notches on the E edge
 and raised a mound of stone
 alongside.

Land rolling - broken
 Soil rocky + 4th rate -
 Timber scrub cedars.

Q. on a random line bet Secs 14 + 23
 7a 13° 33' E.

40.00 Set temporary $\frac{1}{4}$ Sec Cor
 80.12 Intersect N + S line at the Cor
 to Secs 13, 14, 23 + 24

Thence S + W

from a true line bet Secs 14 + 23

T. R. N. P. 10 E.

- With some rain
 Over broken ground
 descend to feet to
 5.80 Cross road (~~the~~) across N
 crest around slope
 24.80 Top of mesa 25 feet above road
 40.06 Set mulpais stone 12 + 10 + 9 in
 8 in in the ground for 1/4 Sec Cor
 marked 1/4 in face and raised
 a mound of stone along side
 80.12 Top Cor to Secs 14, 15 - 22 + 23
 Land broken mesa
 Soil rocky - 4th part
 Timber dense scrub cedar brush

T. 18. N. R. 10 E

N. bet Lines 14 and 15-

20 18° 33' E

Over broken surface

40.00 Set malpais stone 10 + 10 + 8 ins
7 ins in the ground for $\frac{1}{4}$ Sec Cor
marked $\frac{1}{4}$ on N face and raised
a mound of stone along side

43.00 Enter valley extends SE

46.00 Cross road course N E

A pond 20 chs N + S by 10 chs E + W
two 2.15-chs.

50.00 Leave valley + ascend gentle slope

50.00 Set malpais stone 18 + 10 + 8 ins
12 ins in the ground for Cor to Lines
10-11-14 + 14 marked with 4
nails on the S and 2 nails
on the E edges and raised a

T. 18 N. R. 10 E

a mound of stone along side
 road broken miter
 Soil rocky - 4th rate -
 Timber scattered in & brush.

E. on a rounded line bet Secs 11 & 14
 In $13^{\circ} 32' E$

40.00 Set temporary $\frac{1}{4}$ Sec Cor

80.00 Entered N & S line 21st of

N. of the Cor to Secs 11, 12, 13 & 14

Thence open

N $89^{\circ} 51'$ It. on a true line

bet Secs 11 and 14 with some va

40.00 Set Trench's stone 10 + 9 + 8 in

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

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

T. 8 N. R. 10 E

face and raised a mound
of stone along side
second slope

6500 Enter valley - 75 feet below H bed
cor

6890 Cross road course N E

7000 Leave valley + ascent

8000 A point + 80 feet above valley

The cor. to Secs 10, 11 - 14 + 15 -

Ground broken here

Soil rocky - 4th rate -

Timber scattering Cedar best

N. bet Secs 10 and 11

In 13° 32' E

How high broken ground

TEN RIOS

Round ridge

12.00 Top of ridge + 175 feet extends
N.E.

14.00 Commenced to descend

40.00 A point = 30 feet below sec cor
Set muller's stone 10+9+8
ins 7 ins in the ground for
1/4 sec cor marked 1/4 on N face
and raised a mound of stone
along side.

60.00 Enter cedar thickets -

80.00 Set muller's stone 12+10+8
ins 8 ins in the ground for
Cor to Secs 2-3-10 & 11 marked
with 5 notches on the S and
2 notches on the E edge, &
raised a mound of stone

T. S. R. 10 E.

Along side front orchard
 a pine 10 ins diam hrs N 28° E 17 lbs
 dist. marked T. S. R. 10 E S 2 B. J.
 a pine 26 ins diam hrs N 40° W 27 lbs
 dist. marked T. S. R. 10 E S 3 B. J.
 a pine 30 ins diam hrs S 60° W 98 lbs
 dist. marked T. S. R. 10 E S 10 B. J.
 no other trees of size within limits

Land now cultivated

Soil - rocky - 4th rate -

timber scrub cedar & 20 ch
 heavy pine.

Geo A. Curtis,
 Professor

May 4th 1885.

T. 18 N. R. 10 E

E. on a random line bet Secs 2 & 11
 2nd 13° 34' E

40.00 Set temporary $\frac{1}{4}$ Sec Cor

80.16 Intersect - N & S line 14

lks S. of the Cor to Secs 1-2-11-12
 Hence from

S. 89° 54' W. on a true line bet -
 Secs 2 and 11 with some run

Through dense cedars

34.00 Leave dense cedar brush
 and enter valley

40.08 Set - mulpin's stone 12
 + 5 + 7 ins 8 ins in the
 ground for $\frac{1}{4}$ Sec Cor marked
 $\frac{1}{4}$ on N face and raised a
 mound of stone along side

50.00 Leave valley & enter dense cedars

T. 18 N. R. 10 E.

52.00 From this point - Suggs Bros
Corral has N 50 chs and on
herder's house 10 chs N.

Ascend slope

65.00 Top of mesa + 70 feet above valley

80.16 The Cor to Secs 2-3-10 & 11

Land rough broken

Soil - rocky - 4th rock

Timber 64.16 Scattering Pines &
dense cedar brush

16 Chs. Valley - good grass

T 18 N R 10 E

N. on a random line bet Secs 2 & 3

7ⁿ 13° 34' E.

40.00 Set temporary 4' x 6' Cor

80.10 Subrect N boundary of the
20 lks E of the Cor to Secs

2-3-34 & 35 which is a

mulch stone 10 x 8 ins above

ground with 2 mol ches on the E

and 4 mol ches on the W edge, &

mound of stone along side from which

A piñon 8 ins diam bet N 88° E 82 lks

dis - marked T 19 N R 10 S S 35 13.5

A Cedar 10 ins diam bet S 80° E 80 lks

dis - marked T 18 N R 10 S S 28 3

Thence S run

S 00° 09' E on a true line bet -

Secs 2 and 3 with same run

T. S. N. Rio E

- Through dense cedar thickets
- 32.00 Land cedars & enter valley
- 40.70 Set malpais stone 10 + 10 + 8 in
7 in in the ground for 1/4 Sec Cor
marked 1/4 on N face and raised
a mound of stone along side
- 44.00 Land valley & enter dense cedars
Ascend slope
- 60.00 Top of ridge about = 100 feet -
above valley and descend
- 69.00 Bottom of Cañon - 100 feet -
below top of ridge 1000 ft wide
course + 85° E + Ascend
- 76.00 Mesa + 100 feet above Cañon
- 80.10 The Cor to Sec 2 - 3 - 10 + 11
Land broken - range
Soil rocky - 4th rock -
Timber 66.116 chs, dense brush 16 chs valley

T. 18. N. R. 10 E.

From the Cr to Sec. 3-4-33 & 34
on S. boundary of $\frac{1}{2}$ which
is a post-3 in sq. perfectly
marked in on mound
of earth - with pits.

A post

A bet Sec 33 & 34

In $13^{\circ} 32' E.$

Through dense scrub cedar
32.00 Bottom of shallow wash
20 lbs wide which leads
E 200 feet to a pond
about 20-lbs diameter

T 18 N R 10 E

- 40.00 Set mulch pits stone 12 + 10 + 6 in
8 in in the ground for $\frac{1}{4}$ sec Cor
marked $\frac{1}{4}$ on W face and raised
a mound of stone along side
from which a Cedar Clump 30 in diam
has $\pm 10^{\circ}$ E rocks set marked $\frac{1}{4}$ 13.5
- 66.60 Clump of Cedar 36 in diam
- 80.00 Set - mulch pits stone 12 + 8 + 5 in
8 in in the ground for fire to lines
marked 1 notch on S + S on E edges
27, 28, 33, & 34 and raised a
mound of stone along side
Land between trees
Soil rocky - 4 to 6 in
Timber dense a scrub Cedar
clumps.

J. R. R. 10 E.

E. on a random line bet Secs 27+34

To $130^{\circ}33' E$

40.00 Set temporary $\frac{1}{4}$ Sec Cor

80.20 Collected to S line at the
Cor to Secs 26-27-34+35-
thence S run

N. on a true line bet Secs 27+34
with same run

18.20 Cross drive road course $S 20^{\circ} E$

Ascend gradual slope

25.00 Top of slope + 20 feet -

40.10 Set malpais stone 20+12+10
ins 14 ins in the ground for
 $\frac{1}{4}$ Sec Cor marked $\frac{1}{4}$ on N face
and raised a mound of stone
alongside

80.20 The Cor to Secs 27, 28-33+34

T 18 N R 10 E

Land broken rolling
Soil - rocky - 4th sub -
Timber - Cedar clumps

A. bet Secs 27 and 28
T 13° 33' E

- 10.03 - Bottom of shallow wash 10 lks with
Course S.W.
- 40.00 Set mulpin's stone 14 + 10 + 6 in
10 ins in the ground for 1/4 sec
Cor marked 1/4 on N face and
raised a mound of stones along side.
- 45.60 + drive road course N.W.
- 70.20 Loose brush
- 80.00 Set mulpin's stone 15 + 10 + 8
ins 8 ins in the ground for

T.P. R 10 E

Cor to Secs 21-22-27+28
marked with 2 notches on the S
and 3 notches on the E edges
and raised a mound of stone
along side

Sound rolling broken
Soil - rocky - 4 to 6 ft -
Timber - 65.80 chs scattering
pine + cedar brush. 10.20 ch
open view.

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

2a 13 0 34' E

40.00 Set temporary $\frac{1}{4}$ + Sid Cr

80.16 Submerged it to S line 17 lbs

S of the Cor to Secs 22-23

715 R R 10 E

26 + 27

Thence S 1/2 P 10 W

S 89° 53' W. on a true line bet -
Secs 22 and 27 with same Pa
Succeeding slope

2350 Bottom of wash + 25 feet - below Sec
Cor. 70 ft wide course S 10° E

40.08 Set - malpais stone 10 + 9 + 8 ins
7 ins in the ground for 1/4 Sec Cor
marked 1/4 on N face and raised a
mound of stone along side

80.16 Thence Cor to secs 21-22 - 27 + 28

Land rolling

Soil, rocky - 1/4 to 1/2 mile

Timber scattering pines & cedars

T. S. R. 10 E.

A. bet - Sec 21 and 22

7a 13° 34' E

Ored rolling ground

40.00 Set - mulpin's stone 12 +

10 + 9 ins 8 ins in the ground

for 1/2 sec. Co. marker 1/4
in N face and raised a
mound of stone along side

80.00 Set - mulpin's stone 15 + 10 + 5 -

ins 10 ins in the ground

for Cor to Sec. 15 - 16 - 21 + 22
marked with 3 notches each on S. & E. edgeand raised a mound
of stone along side

Land rolling

Soil rocky - 4 ft cult

Timber scattering cedar
brush

T. 18. N. R. 10 E

E. on a random line bet Sec 15 + 22

7a 130° 32' E

40.00 1/4 temporary 1/4 Sec Cor

80.00 Intersect - N + S line at the
Cor to Secs. 14, 15 = 22 + 23

thence S run

N on a true line bet Sec 15 + 22

with some run

40.00 dit^a ^a mulpin's stone 12 + 10 + 5 in's

8 in's in the ground for 1/4 Sec Cor
marked 1/4 on N face and raised

a mound of stone alongside
from which ^a Cedar Clamp 16 in diam bet

S 82° W 17 lbs dist - marked 1/4 S D S

Cedar Clamp 24 in diam bet S 70°

E 80 lbs dist - marked 1/4 S D S

53.00 Loose dense Cedar

T 18 N R 10 E

80.00 This Cor to Secs 15, 16, 21 + 22

Land broken

Soil rocky - 4th rate

Timber - 5-3 Ch. Mixed Cedar

brush 20-ch scattering brush

N. bet Secs 15 and 16

7a 13° 32' E

Open broken view

40.00 Set mulpais stone 10+10+6

ins 7 ins in the ground for

1/2 sec Cor marked 1/4 on 1/2 face

and raised a mound of stone

along it

71.00 Class stone road Course S 65° W

80.00 Set mulpais stone 10+9+7 ins

T 18 N R 10 E,

7 pins in the ground for Cor to
Secs 9, 10, 15 & 16 marked with
4 notches on the S and 3 notches on
the E edges and raised a mound
of stone along side

Land broken into

soil rocky - 4th rate

Timber entering small pines

Geo R. Curtis
May 5th 1885. Compressor

E on a random line bet Secs 10 & 15 -

7th 13° 33' E

40.00 Set temporary 1/4 Sec Cor

80.18 Enter Sec 10 & S line 21 lbs N. of
the Cor to Secs 10-11-14 & 15 -

Thence S 10°

189° 51' N on a true line

T. 8 N. R. 10 E

bet - Secs 10 and 15.

with some bar.

Along S.E. slope of ridge

10.00 Commence to descend

25.00 Foot of slope - 75 feet -

40.09 Set mulpin's stone 12 + 12 + 6 in

5 in in the ground for 1/4 sec cor
marked 4 on N fence and raised
a mound of stone along it

60.00 Commence to ascend low ridge

70.00 Top of ridge + 25 feet extent N.E.

80.18 The cor to Secs 9, 10 - 15 + 16

Land broken

Soil rocky - 4 to 10 ft -

No timber - good grass

T. 8 N R. 10 E

A. bet- Sec 9 and 10.

7^h 13° 33' E.

Over broken mesa

40.00 Set mulpnis stone 10 + 10 + 8 in 7 in in the ground for 1/4 Sec Cor marked 1/4 on N face and raised a mound of stone alongside

70.00 A pond about 3 ch N+S by 16 ch E + W bro to 5 chs dist. - Contains water

80.00 Set mulpnis stone 14 + 9 + 7 in 10 in in the ground for Cor to Sec 3 - 4 - 9 and 10 with 5 notches on S.

TIA R 10 E.

and 3 notches on 2,
edges and raised
on mound of stones
along side

Found broken men
soil rocky - 4 to 6 ft.
No timber.

Heir grass.

I carefully examined
my instrument today
and found it in perfect
adjustment.

T. S. R 10 E

E. on a random line
bet Secs 9 and 10

run $13^{\circ} 33' E$

40.00 Set temporary $\frac{1}{4}$ Sec Cor

79.90 Anterior to S line 15-160

E. of the Cor to Secs 2-3-10+11

thence S run

$S 89^{\circ} 54'$ bet Secs 9 and 10

with same run

Over rough broken ground
Secs end abruptly rocky slope

45.0 Bottom of Cañon 80 feet below
Sec Cor. 20 lbs with compass & E

Ascend on steep slope

11.00 Top of slope 100 feet above bottom
of Cañon

17.00 Lower cedar thicker & enters
meadow

T. & R. 10 E

39.95 - Set malpais stone 12 + 10 + 9 in
 8 in in the ground for $\frac{1}{4}$ sec
 Cor marked $\frac{1}{2}$ on N face and
 raised a mound of stone
 alongside

79.90 The Cor to Sec 3-4-9 & 10
 Found rough broken
 Soil rocky - 4 & rats -
 Timber. 17 chs dense cedar
 thickets - but scattering cedars

N. on a random line bet Sec 3 & 4
 Pa 13° 33' E

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

80.12 Intersect N. boundary of
 the T. 30 chs E. of the Cor. to

T. F. A. R. 10 E

Ses 3-4-33+34 which is
a mulpin's rock 10+8 in above
ground with 3 notches on the
E and W edges and a mound
of stone alongside.

Thence I ran:-

So. 13 E, on a true line bet Ses. 3+4
with some run

Over broken rocky surface

#012 Set mulpin's stone 12+10+6 in's
5 in in the ground for $\frac{1}{4}$ Sec Cor
marked $\frac{1}{4}$ on W face and
raised a mound of stone
alongside.

#012 Thence to Ses 3-4-9+10

Land rolling broken
soil rocky - 40 to 50 ft

no timber - Hair grass

May 5th 1885 - Run by C. P. Harris
N S & S

T 18 N R 10 E

From the cor. to Sec. 4. 5-3 2 & 33
 on the S. boundary of the 2nd
 which is a post 3 ins sq.
 in a measured of stone
 from which

- Alpine E. ins diam to N. 40° W 16 ch. dist
- " " 13 " " " S 16 7/8 73 " "
- " " 16 " " " S 84 E 319 " "
- " " 17 " " " N 58 0 369 " "

Span

N. bet Secs 32 and 33
 Va 130 32' E

T. 18 N. R. 10. E.

Over pulling ground

40.00 Set mulpin's stone 12 + 10 + 6 in
8 ins. in the ground for $\frac{1}{2}$ Sec. Cor
marked $\frac{1}{4}$ on W face and
raised a mound of stone
along side. No big trees in limits

62.00 Commenced to ascend hill

75.00 Top of conical hill + 40 feet high

80.00 Base of hill - 40 feet -

Set mulpin's stone 18 + 10 + 9 in
12 ins. in the ground for Cor to
Secs 28-29-32-33 marked
with 12 notch on the S and 4 notches
on the E edge and raised a
mound of stone along side
from steel spike 24 ins. diam. to
440 2.00 lbs. dist. marked T. 18 N. R. 10. E. S. 28-33

T. & N. R. 10 E

A pine 2 1/2 ins diam tw. S 60° E 150 lks
 best marked T. & N. R. 10 E S 33 B. J.
 A pine 1 1/2 ins diam tw. N 85° W
 best marked T. & N. R. 10 E S 24 B. J.
 A pine 1 1/2 ins diam tw. S 45° W 160 lks
 best marked T. & N. R. 10 E S 32 B. J.

Land rolling

Soil rocky - 4th rate

Timber - Pine & red-jumper

On a random line bet Sec 28 & 33

run 13° 32' E

40.00 Set temporary 1/4 sec cor

79.94 Submerse to S line at the cor
to Sec 27 - 28 - 33 & 34

Thence I run

T. 8 N R. 10 E

Stratone line bet Sec 28 & 33
with same run

6.00 Cross shallow wash 6 lks wide course
S.W. and ascend gentle slope

33.00 Top of slope 30 feet above wash
then over rolling surface

37.80 Pine 12 ins diam

39.97 Set Malpais stone 14 + 13 + 6 ins
10 ins in the ground for $\frac{1}{4}$ Sec bet
marked 1 + on ^N face and raised
a mound of stone along side from which
a pine 8 ins diam bet S 40-97 100 lks dist
marked $\frac{1}{4}$ S. S.

A pine 12 ins diam bet B. 80 lks dist
marked $\frac{1}{4}$ S. B. S.

52.40 Pine 13 ins diam

75.00 Commenced to ascend gentle slope

T. 18 N R. 10 E

79.94 2 pins + 25 feet -

The Cor to Sec 28, 29, 32 + 33

Sound rolling

Soil - 4th row -

Timber Pine + 2 cut juniper,

T 15 N R 10 E

A. bet - Lies 25 and 29
 2ⁿ 13° 32' E

Prod pulling surface
 see cont 20 feet to

- 1.50 Bottom of wash course W
 34.80 Pine 14 ins diam
 40.00 Set mud pair stone 14 + 12 + 6 ins 10
 ins in the ground for $\frac{1}{4}$ sec. Cor
 marked $\frac{1}{4}$ on N face and
 raised a mound of stone
 along side from which
 a pine 8 ins diam lies N 85° W 20
 lks dist. marked $\frac{1}{4}$ S B. J.
 a pine 12 ins diam lies S 45° E 80 lks
 dist. marked $\frac{1}{4}$ S B. J.
 51.80 Cross a road course W
 Leave timber

T. 18. N. R. 10 E

80 0 0 St-mulpinis stone 15-+10+9 in
 10 ins in the ground for Cor
 to Sec 20. 21-28+29 marked
 with 2 notches on the S end
 4 notches on the E edges
 and raised a mound of
 stone along side

Ground rolling

Soil rocky - 4th rock -
 Timber 51 chs good pine 29 chs
 scattering brush

T. H. A. R. 10 E.

E. on a random line bet Secs 21 & 28

7a $13^{\circ} 32' E$

40.00 Set temporary $\frac{1}{4}$ Sec Cor

80.12 Intersect N & S. line 31 W. of
of the Cor. to Secs. 21-22-27 & 28
thence S. run

N $89^{\circ} 47' W.$ on a true line bet-
Secs 21 and 28 with some 7a
over rolling surface

40.06 Set malpais stone 12 + 9 + 8 ins 8 ins
in the ground for $\frac{1}{4}$ Sec Cor marked
 $\frac{1}{4}$ on N face & raised a mound
of stone along side

7800 Cross dim road crossed N. P.

80.12 The Cor. to Secs 20-21-28 & 29

Land rolling

Soil rocky - 4th rule -
timber scattering small pine.

T. S. R. 10 E

Let Secs 20 and 21

2a 13° 32' E

- 8.00 Cross a road Course NW
- 10.00 Enter shallow pond about 20 ch NW
- 15.00 Ascend 8 feet from pond
- 40.00 Set maul pins stone 12 + 10 + 9 ins
 5 ins in the ground for $\frac{1}{4}$ sec NW
 marked 4 a NW. pins used
 raised a mound of stone
 along side
 Ascending slope
- 50.00 Top of ridge extends E & W 50 feet high
 ascend
- 80.00 A point = 25 feet below top of ridge
 Set maul pins stone 12 + 10 + 8 ins
 5 ins in the ground for box to
 Secs 16, 17-20 & 21 marked

S. I. N. R. 10 E

with 3 notches on the S and 4 notches
 on the E, edges and raised a mound
 of stone along side
 Land rolling
 Soil rocky - 4th pale
 Timber scattering small pine

E. on a random line bet - Secs 16 + 21
 Ta $13^{\circ}33'$ S

40.00 Set temporary 1/4 Red Cr

80.00 Intersect N + S line on the Cor
 to Secs 15-16. 21 + 22

Thence S + W

W on a true line bet Secs 16 + 21
 with some var

Over rough rocky surface

T. 18. N. R. 10 E

40.00 Set mulpins stone 14+8+7 ins
10 ins in the ground for 1/4 dec
Cor marked 1/4 on N face and
raised a mound of stone
along side

80.00 Shelter to Secs 16, 17 - 20021.
Land rocky mixed
Soil - 4th rate -
Timber very scant - Pine.
Fair grass

A. bet - Secs. 16 and 17
72 13° 30' E

24.00 Cross a road corner N E

40.00 Set mulpins stone 12+10+6 ins
8 ins in the ground for 1/4 dec Cor

T. S. R. 5

marked 4 on W face and raised
 a mound of stone alongside
 80.00 set Malpin's stone 12 + 10 + 7 in's
 5 in's in the ground for Cor to
 Sec 8. 9. 16 + 17 marked
 with 4 notches such as the S
 and E edges and raised a
 mound of stone alongside
 Good rolling
 Soil rocky - with roots
 No timber - fair grass

E. on a random line bet Sec 9 + 16
 2a 13° 32' E

40.00 set - temporary 1/4 Sec Cor

80.00 intersect N + S line of the Cor

T. S. N. R. 102

to Secs 9-10-15-16

Lines & rows

N. on a true line bet Secs 9 & 16
with some 20

Through Cedar brush

40.00 Set - muller's stone 12 + 10 + 9 in

Ties in the ground for 4' due Cor
marked 4 on N face and raised
a mound of stone above soil

80.00 The Cor to Secs 8-9-16-17

Land rolling broken

Soil rocky - 4th cut

E 1/2 of line Cedar brush

N 1/2 " fair grass

Ridgely C. Powers

May 6, 1885 N S S S

T 18 N R 10 E

N. bet Secs 8 and 9

Ta 13° 32' E

40.00 Set Malpais stone 16+9+5 in
 11 in in the ground for $\frac{1}{4}$ Sec. line
 marked $\frac{1}{4}$ on N face and raised
 a mound of stone along side

80.00 Set Malpais stone 14+9+7 in
 10 in in the ground for Cor to
 Secs 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
 Sand broken & rolling
 Soil rocky - 4 # rub -
 No timber. Fair grass.

T 185 R 10 E

E. on a random line at Sec 4-19

Ta 13° 33' E

40.00 1st - temporary, 1/2 sec, cor

79.80 Submerged - road line 17 cks

S of the cor to Sec 3-4-9010
thence downS 89° 53' E, on a true line bet-
Sec 4 and 9 with same wa300 Along N border of pond bet
S. Sec cks

20.00 E. border of pond bet S 100 cks

39.90 1st Malpais stone 16 + 10 + 5 in 11 in
in the ground for 1/2 sec Cor marked 4 in
N. face & raised a mound of stone along side

79.80 Thd cor to Sec 4-5-8-9

Land rolling & broken

Soil rocky - 4th rate -

Native her. Fair grass.

T. S. N. R. C. E.

From a random line to Sec 44-5-

74 130° 33' E

40.00 S. boundary of Sec. Cor

79.90 Intersect S. boundary of the 31th

E. of the Cor to Sec. 44-5-32 & 33

which is a muck's rock 10+7 is

above ground with a notch on the E

and 2 notches on bridges and a

remnant of stone along with

Thinest Run

S 00° 13' E on a true line to Sec

44-5 with same run

Over rolling ground

divided by timber

39.90 - S. muck's stone 18+17+6

is 13 in in the ground for

T. F. R. 102

$\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ in
to face and raised a mound
of stone along side

47.00 Enter valley, extends E & W

50.00 Leave valley & turn over rolling
ground

79.90 The Cor to Secs 4-5-809

Land rolling

Soil rocky - 4 to rock -
no timber - Hair grass

Geo A. Curtis
Compass man

May 6th, 1885-

T. 18 N R. 10 E

From the cor to Secs. 31 & 32
 on S. boundary of the well is
 a post 3 in sq in a mound of
 stone from which
 a pine 12 in diam br S 35° E 10 lks dist -
 " " 13 " " " S 65° W 15 " "
 " " 11 " " " N 66° W 47 " "
 " " 9 " " " N 44° E 233 " "



Draw

N. bet Secs 31 and 32
 7^h 13° 32' E

Over rolling surface

T. F. & R. O. E.

- 15.20 Pine 16 ins diam
 35.45 Pine 10 " " "
 38.20 Cross a path 8 lks with course S 20° W
 40.00 Set malpais stone 12 + 10 + 9 ins
 8 ins in the ground for $\frac{1}{4}$ sec
 Cor marked $\frac{1}{4}$ in to face and
 raised a mound of stone
 alongside from which
 a pine 8 ins diam bro S 38° E
 78 lks dist marked $\frac{1}{4}$ S B. J.
 A pine 15 ins diam bro S. 40° W
 30 lks dist marked $\frac{1}{4}$ S B. J.
 50.00 Set malpais stone 13 + 9 + 8 ins
 10 ins in the ground for Cor
 to Secs 29-30-31 & 32
 marked with 1 notch on
 the S and 5 notches on 2

T. 8. N. R. 10 E

Edge and raised a mound
 of stone alongside from which
 a pine 32 in diameter + 45° 10 ft
 dist marked T. 8. N. R. 10 E S 29 B. T.
 a pine 20 in diam less + 50° 10 ft
 dist marked T. 8. N. R. 10 E S 30 B. T.
 No other trees within limits
 Land rolling
 Soil rocky - 4th rate
 Timber yellow pine

E. on a random line bet - bet 29 + 32

Va 13° 32' E

40.00 at temporary 1/4 Sec Cor

80.10 Entered N + S line at the
 Cor to Secs 28 - 29 - 32 + 33

T. 15. N. R. 10 E

Thence S. 1/2 row

St. on a line line bet. Secs 29 + 32
with some rock

Over high rolling ground

48.05 - Set mulpins stone 10 + 10 + 4 ins

7 ins in the ground for 1/4 Sec

Cor marked 1/4 on N face and

raised a mound of stone along side

No trees within limits

42.00 Wash 10 els wide, Course S.

61.80 Cross a road, Course N.W.

80.10 Thence cor to Secs 29-30-31 + 32

Land high rolling

Soil rocky - 4th belt

Timber scattering pine

T. 18 N. R. 10 E.

At. on a random line bet Secs 30 & 31

$7 = 13^{\circ} 32' E$

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

79.70 Intersect At. boundary of T.

21 Ets. N. of the Cor to Secs 25-30

31 and 36 which is a sand stone

12 + 5 ins above ground with 1

notch on S. and 5 notches on N

edges and mound of stone

along side from which

A line 30 ins. diam bet N 21 $\frac{1}{2}$ W

496 Ets. dis-marked T. 18 N R 9 E

S 25- B. J.

A line 36 ins diam bet S 15 $\frac{1}{2}$ W - 279 Ets. dis

marked T. 18 N R 9 E S 36 B. J.

Thence S. 1 $\frac{1}{2}$ W

N 89 $\frac{1}{2}$ E on a true line bet -

T. R. R. 10 E.

Secs 30 + 31 with same on
 level rolling ground
 ascend slope

22.00 Valley 25 feet below top of slope

39.70 Set - multipier stone 18 + 10 + 4

17 ins in the ground for 4 hole
 marked 4 on face and raised
 a mound of stone along side
 from which a pine 32 ins diam bro N
 30 E 100 yds dist marked 1/4 S. T.

A pine 24 ins diam bro S 10 W 10
 yds dist marked 1/4 S. T.

Ascend slope from valley

70.00 Top of slope + 20 feet above valley

79.70 This loc to Secs 29 - 30 - 31 + 32

Level high rolling

Soil rocky - 4 to 6 feet
 timber heavy pine.

T 18 N R 10 E

N. bet - Secs 29 and 30

2^d 130 33' E

Ored pulling surface

32.90 Pine 12 ins diam

40.00 Set malpais stone 15-15-14 ins

10 ins in the ground for $\frac{1}{4}$ sec Cor
marked $\frac{1}{4}$ sec N. fence and raised a
mound of stone alongside from which
a pine 6 ins diam bet N. 80° W - 160 W
dist. marked $\frac{1}{4}$ S B. T.

A pine 10 ins diam bet N 60° E 100 W
dist. marked $\frac{1}{4}$ S B. T.

55.00 Cross a road course E

70.00 Pine 10 ins diam

80.00 Set malpais stone 11-9-5 ins

5 ins in the ground for for to dist
19-20-29-30 marked with

T 18 N R 10 E

2 notches on the S and 5 notches
 on E edges and raised a mound
 of stone along side from which
 a pine 8 ins diam has S 55° W 30 lbs
 dist marked T 18 N R 10 E S 30 B. T.
 A pine 6 ins diam has S 45° W 12 lbs
 dist marked T 18 N R 10 E S 20 B. T.
 A pine 6 ins diam has N 44° W 14 lbs
 dist marked T 18 N R 10 E S 14 B. T.
 A pine 12 ins diam has N 30° E 36 lbs
 dist marked T 18 N R 10 E S 20 B. T.

Land rolling

Soil rocky - 4th rule -

Timber heavy pine.

Ridgely C Powers

W S S S

May 7, 1855-

T. 18 N. R. 10 E.

E on a random line bet Secs 20 & 29

7a 13° 33' 2

Over high rolling ground.

46.00 Set temporary $\frac{1}{4}$ sec Cor

80.12 Intersect $\frac{1}{4}$ sec line 15-cks S of the

Cor to Secs 20-21-28 & 29

Thence S from

S 87° 54' W on a true line bet Secs 20 & 29

with same 2a

Round gentle slope

19.80 Top of slope + 35 feet to descend

39.00 Foot of slope - 140 feet

40.06 Set mulpain's stone 12 + 9 + 8 ins

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

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

a mound of stone along side

No bearing trees with limits

T 18 N R 10 E.

72.00 Pine 18 ins diam

80.12 The Cor to Sec 19-20-29-30

Land highly rolling

Soil - rocky - 4th rate -

Timber scattering pines

N. on a random line bet

Secs 19 and 30

Tn 13° 33' E

40.00 Set temporary 1/4 sec cor

79.68 Subsect to boundary of
the 30th S of Cor to Secs 19-24-25-30 which is a post 4th is
sq. marked: -

T 18 N 8 19 on N E

R 10 E S 30 on S E

T. 18 N R 10 E

S 24 on N 75 °

R 9 E. S. 25 on S 75 faces
with 2 notches on the S & 4 notches
on N edges & mound of stone
(along side) around post -
Hence I run

S 89° 47' E on a true line bet -
Acres 19 and 3 2 with same run

32.00 A pond about 20. Chs N 5 S by 15 ch
E & W bet S. 3 chs.

39.68 Set on Malpais stone 18 + 10 + 9 is
12 is in the ground for 1/4 Sec. Cor
marked 1/4 on N face and raised
a mound of stone along side from which
a line 12 m drawn bet N 55° E 20 chs
dist. marked 1/4 S. B. T.
a line 16 m drawn bet S. 10° W 40 chs

7968 R co E

dist - marked 1/4 S B T

7968 The Cor to Secs 19-20-29-30

Land rolling

Soil - rocky - 4 to 6 ft -

Timber Yellow pine

I carefully examined my instrument today and found it in perfect adjustment.

N. bet - Secs. 19 and 20

7a 13° 33' E

Surface - irregular

22.10 Cross a wash 5 feet deep 10 lbs
with course E and ascend
gradual slope

40.00 Set marker's stone 17 + 12 + 4 in
12 in in the ground for 1/4 sec bet
marked 7 m to fence and raised a
row of stone along side.

T. S. R. Rio E

To trees within limits -

41.00 Commenced to ascend mountain

80.00 A point about 275^{ft} above 1/2 sec Cor

Set malpais stone 10 + 8 + 8 ins
10 ins
in the ground for Cor to Secs

17-18-19 and 20 marked with 3
notches on the S and 5 notches on E

edges and raised a mound of stone
along side from which: -

A pine 18 ins diameter S 64° W 31' E. dist
marked T. S. R. Rio E S 19 B. S.

A pine 20 ins diameter N 70° W 31' E. dist
marked T. S. R. Rio E S 18¹⁸ B. S.

A pine 10 ins diameter N 80° E 67' E. dist
marked T. S. R. Rio E S 17 B. S.

A pine 2 1/2 ins diameter S E 45' E. dist
marked T. S. R. Rio E S 20 B. S.

T. F. R. 10 E

Land mountainous
Soil - rocky - 4th sub -
Timber heavy pine

E. on a random line bet - Secs 17 & 20

$\text{N} 13^{\circ} 33' \text{E}$

40.00 At temporary 1/4 Sec Cor

80.22 Entered - 1st & 2nd line 23 lbs

N of the Cor to Secs 16-17-20 & 21

Thence S - $\text{N} 89^{\circ} 50'$

At on a true line bet - Secs 17 & 20

with some run

Soil rolling & mountainous ground

30.00 Commenced to ascend through

heavy pine timber

39.70 Enter Corral

T 18 N R 10 E

- 40.11 Set-mulpha's str 12+8+7' is
 8' is in the ground for 1/4' dia
 Or marked 1/4' out for and
 raised a mound of str
 alongside from which
 A pin 30 is dia has \$6202596's
 dia marked 1/4' S B. T.
 A pin 6 is dia has \$1078754's
 dia marked 1/4' S B. T.
- 42.00 Land Curved & ascend
- 57.00 Top of Mt - Geronimo +
 300 feet - high
- 68.00 Commenced to descend steep slope
- 80.22 A point about 80 feet below top of Mt
 The Cor to Secs 17-18-19+20
 Land rolling & mountainous
 Soil rocky - 4 to 6 ft
 Timber heavy pine

T. 18 N. R. 10 E.

St. on a random line bet Secs 18 & 19

24 13° 33' E

40.00 set temporary 1/4 Sec Cor

79.69 Substituted - for boundary of the

at the Cor to Secs 13-18-19 & 24

which is a post-4 ins sq marked

T. 18 N. S. 18 on 1 E

R. 10 E. S. 19 on 1 E

R. 9 E. S. 24 on 1 E

S. 13 on 1 E faces ^{3 inches on 1/4 Sec 19} ~~1/4 Sec 19~~

mound of stone along side

from which a pine 36 ins diameter N 35° E

210 lbs dist. marked T. 18 N. R. 10 E. S. 18 B. T.

A pine 14 ins diam bet S 45 1/2° E 115 lbs

dist. marked T. 18 N. R. 10 E. S. 19 B. T.

A pine 9 ins diam bet N 38 1/2° W

186 lbs dist. marked T. 18 N. R. 9 E. S. 13 B. T.

T. 18 N R 10 E

Then at 10 am

E. on a true line bet Decs 18 & 19
with same run

38.85 - Pine 8 ins diam

39.69 Set malpais stone 10 + 10 + 6 ins 7 ins
in the ground for $\frac{1}{4}$ sec cor marked
 $\frac{1}{4}$ S on N face and raised in
ground of stone alongside from which
a pine 5 ins diam bet Decs 18-19 75 lbs dist
marked $\frac{1}{4}$ S B. I.A pine 8 ins diam bet N 10-115-
lbs dist marked $\frac{1}{4}$ S B. I.

41.00 Commenced to ascend Mt. Cronin

79.69 A point about 225 feet above $\frac{1}{4}$ sec cor
The cor to Decs 17-18-19 & 20Land rolling & mountainous
Soil rocky - 4 to 6 ft -
Timber heavy pine.

T 18 N R 10 E

N. lat - Secs 17 & 18.

Tn 13' 33' E

Descend N. slope of mt. Heronimo

31.00 Level heavy pine timber

38.40 Foot of Mt - 220 feet below Sec Cor

40.00 Set a post 3 ft long 3 in sq
with marked stone 12 in in the
ground for $\frac{1}{4}$ Sec Cor marked
 $\frac{1}{4}$ S on N. face and raised
around it - a mound of stone
pits impracticable

43.00 A Pond 4 Chs diam less E, 2 Chs

80.00 Set mulpais stone 10 + 4 + 7 in 7 in
in the ground for Cor to Secs
7 - 8 - 17 & 18 marked with
4 swiches on the S end & notches
on the E edge and raised a

T. 8 N R. 10 E

mound of stone along with
 sand mountains & thin
 soil rocky - 4th mile -
 Timber - 31 chs heavy Pine
 49 chs scattering pine of an even

Ind. A. Centers,
 May 7th 1885 Compass man

On an old random line bet Sec 8 & 17
 7th 13° 31' E.

40.00 Set temporary 1/4 Sec Cor
 80.16 Intersect N & S line 11 chs
 1/4 Cor to Secs 8-9-16 & 17
 Thence S 90°

S 89° 55' W on a true line bet
 Secs 8 & 17 with same 7th

40.08 Set Malpin's stone 10 1/2 + 8 is
 7 ins on the ground for 1/4 Sec Cor

T. S. N. R. 10 E

marked $\frac{1}{2}$ on face and
raised a mound of stone
along side

80.16 The Cor to Secs 7-8-17 & 18

Land pulling

Soil rocky - 4th sec -

No timber. Hairgrass

At. on a random line bet Sec
7 and 8

To $13^{\circ} 31' E$.

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

79.04 Subscribed to boundary of

the 13th block of the Cor to Secs

7-12-13 & 18 which is a

land stone 14 & 6 is above

T. 18 N. R. 10 E

ground with 4 notches on S
and 2 notches on N edges
and a mound of stone alongside
thence S 20°

S 89° 05' 4" E on a true line bet-
weens 7 & 18 with same run
over rolling ground

3904 At Malpais stone 10+10+6 is
7 in in the ground for $\frac{1}{4}$ sec
C^r marked $\frac{1}{4}$ on N face and
raised a mound of stone
alongside

7904 The Cor to Secs 7, 8-17 & 18
Land rolling
Soil rocky - 4th wh -
No timber - fair grass

T. 18 N R. 10 E

A. bet Secs 7 and 8

2x13°31' E.

Over rocky mesa

40.00 Set mullins stone 10+9+8

is 8 is in the ground for 1/4 Sec

Cor marked 1/4 on N face and

raised a mound of stone along side

80.00 Set mullins stone 10+10+6 is

7 is in the ground for Cor

to Secs 5-6-7 & 8 marked

with 5 notches each on S

and E edges and raised a

mound of stone along side

Found broken when

soil rocky - 4th rate -

No timber. Few grass

T. 18 N. R. 10 E

E. on a random line bet Secs 5 & 8

74 13° 34' E

40.00 Set temporary $\frac{1}{4}$ Sec Cor

79.86 Entered N + S. line 4 gals N
of the Cor to Sec 4-5-8 + 9
thence I run

N 89° 39' W on a true line bet
Sec 5 and 8 with some very
bad broken misc

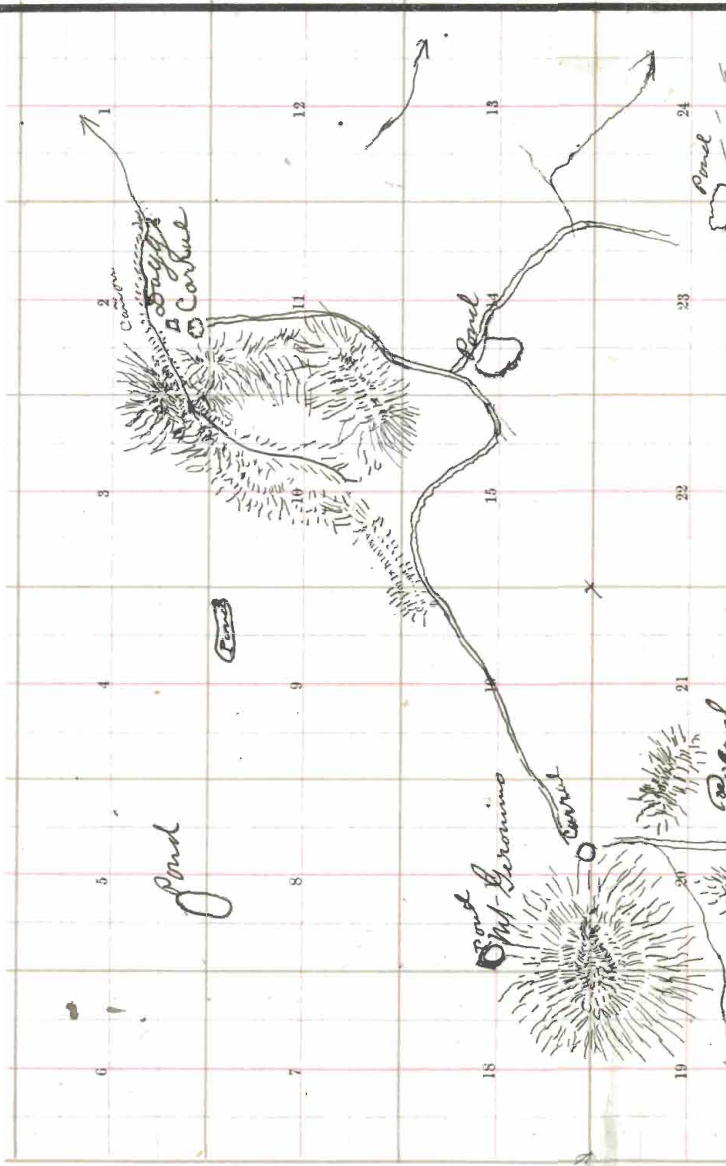
39.93 Set mulp-cis stone 12 + 11 + 7 is
5 is in the ground for $\frac{1}{4}$ Sec Cor
marked $\frac{1}{4}$ Sec place and raised
a mound of stone along side

45.90 Enter shallow pond extends
16 chs N + S

54.00 Lined post

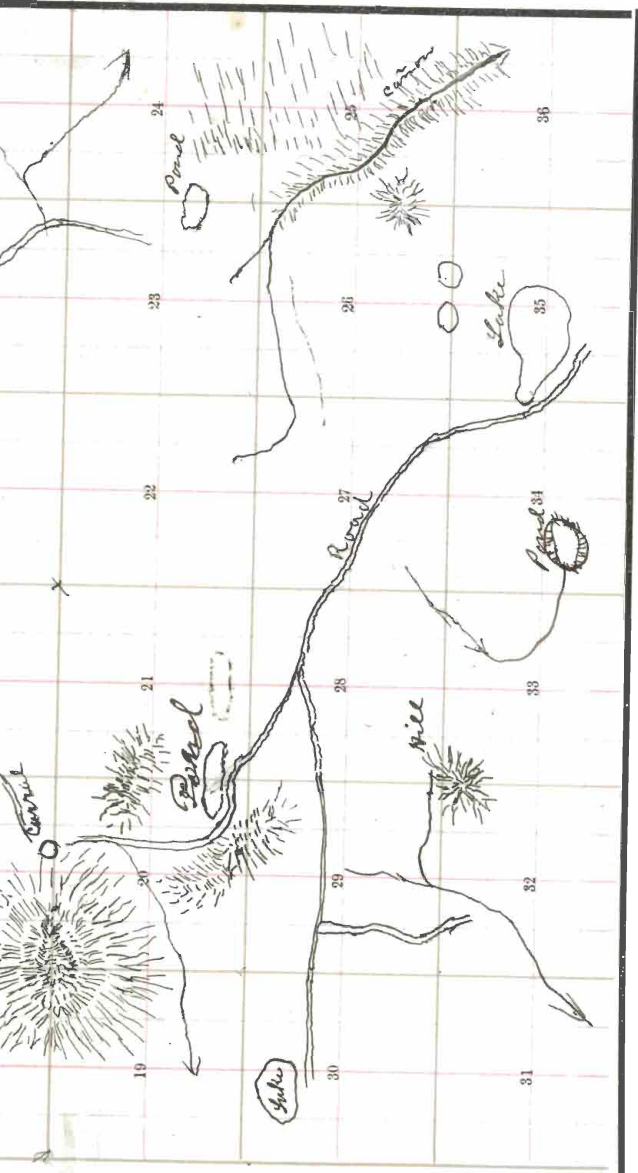
79.86 The Cor to Secs 5-6-7 + 8

BOOK 279



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BOOK 279



TOWNSHIP PLOT.

Meridian Line,

Base Line,

Standard Line,

Township Lines,

Section Lines,

Meander Lines,

T. 18 N R 10 E

Land broken mesa
Soil, rocky - 4th rate
No timber. Fair grass

St. on a random line bet Sec 6 & 7
Ta. $130^{\circ}34'E$

40.00 Set temporary $\frac{1}{4}$ Sec Cor

78.92 Pulver - St. boundary of $\frac{1}{4}$ Sec
at the Cor to Sec 1 - 6 - 7 - 12
which is a sand stone 16 + 9 is
above ground with 5 notches on
S and 1 notch on N edge &
a mound of stone along side.
Thence S - 100

St. on a true line bet Sec
6 and 7 with same Ta

T. V. R. E

- 10.00 Second gentle slope to valley
- 22.00 Second gentle slope from valley
Valley extends NE + SW
- 39.92 Set - mulpur stone 12 + 11 + 6 is
5 ins in the ground for $\frac{1}{2}$ hole. Cor
marked $\frac{1}{4}$ in it face and raised
a mound of stone alongside
- 78.92 Set for holes - 5 - 6 - 7 + 8
Sand rolling mesa
Soil - rocky - 4th hole -
No timber. Good grass

Now a random line bet -
Ses 5 and 6

Pa 13° 34' E

40.00 Set temporary $\frac{1}{4}$ Sec Cor

T. 18. N. R. 10. E

80.14 Intersect N. boundary of T. 17 etc E of the Cor to Lins 5-6 31 and 32 which is on Malpin's stone 10+8 ins above ground with 5 notches on E end (notch on N edges, and a mound of stone along side. Thence I ran

S 00° 07' E on a true line bet Lins 5 & 6 with sand on

40.14 Set Malpin's stone 13+10+6 ins 9 ins ins in the ground for $\frac{1}{4}$ Sec Cor marked $\frac{1}{4}$ on N face and raised a mound of stone along side.

54.00 Enter Valley extends N E - SW

57.00 Leave Valley

T. H. R. 10 E

80.14 The Cor to Secs. 5-6-7 and 8
 Ground broken main
 Soil rocky - 4th cut -
 No timber. Fair grass

General Remarks

This township lies along the summit
 of the Koyukuk Mountains.
 Its entire surface is covered
 with volcanic rocks - called
 by the Indians malpais - ~~meaning~~
~~hard or burnt rock.~~ This
 rock is more or less
 disintegrated, and broken
~~the top and base of the~~

T. I. R. 10 E

~~Always remains sharp
and the quantity of fuel
to the feet of animals.~~

The S.W. portion of the
It is covered with valuable
Yellow Pine Timber, while
the Eastern portion is more
or less densely covered with
Clumps of Cedars and Cedar
thickets with Pinon pines
interspersed. The Cedars
are so dense as to be
nearly impenetrable in
many places.
~~A good number of Cedars
are near the Cedars.~~

The portion of the

T. H. R. 10

territory not covered with
cedars bears blue-joint,
gramma and bunch
grasses of excellent quality
making the lands valuable
for husbandry.

Stock of all kinds flourish
in the Summer and Fall
months but leave the
mountains or have to be
driven away on account
of excessive cold and
snow during the winters.

The ponds and lakes
which are depressions
in the volcanic rock
probably formed during

T. S. R. 10 E

the process of cooling
after the upheaval.

Most of them (as they
have no outlets) become
dry by evaporation
during the summer months.

St. Germain is a
prominent peak and
can be seen from all
parts of the L.

Ridgely C. Powers
U. S. S.

May 8th 1885.

For final notes
see book 279

U. S. Surveyor General's Office,

Tucson, Arizona, Nov 11th 1885-

The foregoing Field Notes of the Survey of the

Subdivision line of Township
18 north Range 10 East,

Of the Gila and Salt River Base and Meridian, Arizona, execu-

ted by Ridgley C. PowersDeputy Surveyor, under his contract of the 21stday of February, 1885, having been

critically examined and the necessary corrections and explana-

tions made, the said Field Notes and the surveys they describe

are hereby approved.

Rayala Johnson
Surveyor General.