

attached
Indexed,

Compared 1887

Copied

Book No 7.

963

No. 963 BOOK 963

Field Notes

OF THE SURVEY, OF BOOK 963

Subdivision lines

-OF-

Township 20 S. Range 31 E.

Gila and Salt River Base and Meridian

ARIZONA. No. 963

By W. B. Neil D.S.

Under contract dated Oct. 14 1886.

Survey commenced Dec 10th 1886.

Survey completed Dec 15th 1886.

BOOK 963

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Township 20. S. Range 31. E.

M.

S. & S. R. B. & M.

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No. 963

For preliminary oath and
description of instrument
used see Book No 1

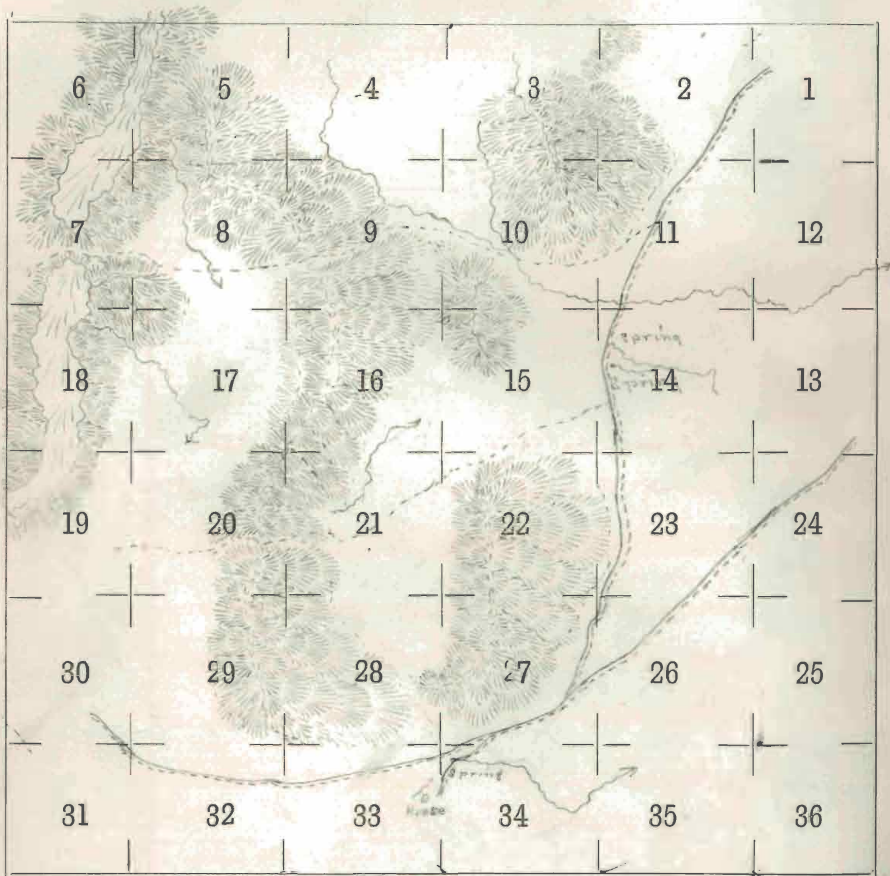
Survey commenced Dec 10th 1883
Survey completed Dec. 15th 1883

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INDEX DIAGRAM.

Township *20 South,*

Range *31, East,*



Gila and Salt River, Arizona.

ARIZONA.

T. 20 S. R. 31 E. Gila and Salt
River Meridian

Chains I commenced at the Standard
Cor. to Secs 35 & 36 on the 4th
Standard parallel South
which is a Lava stone 10x8x7 ins
set firmly in the ground marked
S.C. with 1 notch on E. and 5
notches on W. edges with mound
of stone alongside
Thence I run

North 1/2 Sec. 35-36

W. 13' 18" East

12.00 Lava Stone land bet. N & S.

T. 20 S. R. 3, E.

Chairs

6 ins. in the ground for $\frac{1}{4}$ Sec
Cor. marked $\frac{1}{4}$ on N. face
dug pits $18 \times 18 \times 12$ ins E & W of
stone $5\frac{1}{2}$ ft. ditch and raised
a mound of earth $1\frac{1}{2}$ ft. high
 $3\frac{1}{2}$ ft. base alongside
The Cor. to Secs 25-26-35-36
Sand slightly rolling
Soil 25 & 35 rate
Grass good

79.76

N. bet Secs. 25 & 26

Cor. $13^{\circ} 12'$ Each

40.00

Like Sara stone $15 \times 10 \times 7$
ins. 10 ins. in the ground for
 $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on W
face, dug pits $18 \times 18 \times 12$ ins
N & S. of stone $5\frac{1}{2}$ ft. ditch
and raised a mound of earth

J. 20 S. R. 31 E.

Chains

80.00 1 1/2 ft. high 3 1/2 ft. box alongside
 Let a Lava stone 15 x 10 x 7 ins
 10 ins. in the ground for Cor to
 Secs 23-24-25-26 marked
 with 2 notches on S. and 1 notch
 on E. edges. dug pits 18 x 18 x 12
 ins. in each Sec. 5 1/2 ft. dia
 and raised a mound of earth
 2 ft. high 4 1/2 ft. box alongside
 Sand level
 Soil 25 + 3' rate
 Grass good

East on a condon line bet Secs 24-25
 Cor. 12' 18' Each

40.00 Let temporary 1/4 Sec. Cor.
 79.90 Interest E. Bdy of Sp. 18 lks
 S. of Cor. to Secs. 19-24-25-30
 recently reb by me.

T. 20 S. R. 31 E.

Chairs

Hence I run

S. $89^{\circ}52'$ W. on a true line
bet Secs. 24-25 with some var.

39.95

Deposited a marked stone
12 ins. in the ground for $\frac{1}{4}$ Sec
Cor. dug pit 18x18x12 ins. E &
W. of Cor. ^{5 1/2 ft. dist} and raised a mound
of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft base
over it. In E. pit drove stake
2 ft. long 2 ins. square 12
ins. in the ground marked $\frac{1}{4}$

S. on N. face

79.90

the Cor. to Secs. 23-24-25-26

Land level

Soil 25 & 35 also

Grass good



T. 20 S. R. 31 E.

Chains

North bet Secs. 23 & 24

Per. 12' 18" Each

34.50

Road to San Simon Station
bet. N.E. and S. W.

40.00

Deposited a marked stone
12 ins in the ground for $\frac{1}{4}$ Sec
Cor. dug pit 18x18x12 ins
N & S. of Cor. 5 1/2 ft. dia and
raised a mound of earth
1 1/2 ft. high 3 1/2 ft. base over it
In N. pit drove stake 2 ft. long
2 ins. square 12 ins. in the
ground marked $\frac{1}{4}$ S. on N. face
Peak in main Chiricahua
Range bet. N. 32° 20' W.

80.00

Deposited a marked stone
12 ins. in the ground for Cor.
to Secs 13-14-23-24 dug
pit 18x18x12 ins. in each Sec.
5 1/2 ft. dia and raised a

T. 20 S. R. 3, E.

Chains

all round of earth 2 ft. high $4\frac{1}{2}$
 ft. base over it. In S. E. pit
 down stake 2 ft. long 2 in.
 square 12 in. in the ground
 marked

T. 20 S. S. 13 on N. E.

R. 3/E. S. 24 on S. E.

S. 23 on S. W. and

S. 14 on N. W faces with 3 notches
 on S. and 1 notch on E. edges

Sand level

Soil 2^d and 3^d rate

Grass good

Each on a random line bet Secs 13-24
 Cor. 12018'E.

40.00 1/4 temporary 1/4 Sec. Cor.

56.00 Road to Lion Simon Station
 bet. N. E and S. W.

T. 20 S. R. 3, E.

Thorins

8024

Intersect E. bdy of Tp 22 lks. N
of Cor. to Secs. 13-18-19-24
previously set by me.

Thence I run

N. $89^{\circ} 51' W.$ on a true line bet
Secs. 13-24 with some var.

40.12

Deposited a marked stone $1\frac{1}{2}$
ins. in the ground for $\frac{1}{4}$ sec Cor
dry pit $18 \times 18 \times 12$ ins. E + W. of
Cor. $5\frac{1}{2}$ ft. dist and raised a
mound of earth $1\frac{1}{2}$ -ft. high $3\frac{1}{2}$
ft. ~~over~~ over it. In E. pit drove
stake 2 ft. long 2 ins. square
12 ins. in the ground marked
 $\frac{1}{4}$ S. on N. face

80.24

W. Cor. to Secs 13-14-23-24

Land level. Slopes East

Soil 2⁵ rate

Gen. fine

T. 20 S. R. 31 E.

Chairs

North bet. Secs. 13 + 14

Cor. 12° 18' Each

40.00

Deposited a marked stone 12
 ins. in the ground for $\frac{1}{4}$ cor. Cor
 dug pits 18 x 18 x 12 ins N + S. of cor
 5 $\frac{1}{2}$ ft. dia and raised a mound
 of earth 1 $\frac{1}{2}$ ft. high 3 $\frac{1}{2}$ ft. over
 over it. In N. pit drove stake
 2 ft. long 2 ins. square 12 ins.
 in the ground marked $\frac{1}{4}$ S. on
 N. face

80.00

In dry work corner E. S. E
 Deposited a marked stone 12
 ins. in the ground for Cor to Seco
 11-12-13-14 dug pits 18 x 18 x 12
 ins in each Sec. 5 $\frac{1}{2}$ ft. dia.
 and raised a mound of earth 2 ft. high 4 $\frac{1}{2}$ ft. over it
 In S. E. pit drove stake 2 ft.
 long 2 ins. square 12 ins in
 the ground marked
 T 20 S. R. 12 on N. E.

J. 20 S. R. B1 E.

Chairs

R. 31 E. S. 13 on S. E.

S. 14 on S. W. and

S. 11 on N. W. faces with 4
notches on S. and 1 notch on E.
edges

Land slightly rolling

Soil 2⁵ rate

Grass good

E. on a random line bet. Secs 12-13
Cor. 120 18' E.

35.00 Enter bends of Arroyo Corner S. E.

39.60 Leave same Corner N. E.

40.00 Set temporary 1/4 Sec. Cor.

79.96 Intersect E. Bdy of Sp 28 lks

N. of Cor. to Secs. 7-12-13-18.

Previously set by me

then I run

J. 20 S. R. 3, E.

Chairs

N. $89^{\circ}48'$ W. on a True line bet
Secs. 12-13 with some Dev.

39.98 Set a granite stone $12 \times 12 \times 7$ ins
8 ins. in the ground for $\frac{1}{4}$ Sec
Co. marked $\frac{1}{4}$ on N. face and
raised a mound of stone
alongside. Pit impracticable

79.96 the Cor to Secs. 11-12-13-14
Sand rolling
Soil $2^5 + 3^5$ cat.
Grass good

North bet. Secs. 11-12

Dev. $12^{\circ}18'$ E.

5.00 Arroyo 3 chs. wide across E.

40.00 Set a Lava stone $12 \times 11 \times 6$ ins
8 ins. in the ground for $\frac{1}{4}$ Sec.
Co. marked $\frac{1}{4}$ on W. face
 dug pit $18 \times 18 \times 12$ ins N + S. of

J, 20 S, R, 3, E

choir

Ston $5\frac{1}{2}$ ft. dia. and raised
a mound of ston $1\frac{1}{2}$ ft. high
 $3\frac{1}{2}$ ft. over along side

80.00

Set a granite ston $15 \times 12 \times 9$ ins
10 ins. in the ground for Cor. to
Sec. 1-2-11-12 marked with
5 notches on S, and 1 notch on
E. edges. dug pit $18 \times 18 \times 12$
ins. in each Sec. $5\frac{1}{2}$ ft. dia.
and raised a mound of earth
2 ft. high $4\frac{1}{2}$ ft. over along side
Sand rolling
Soil 3⁵ rate
Grass good

E. on a random line bet. Secs. 1-12

Cor. 120 18' E.

40.00

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

T. 20 S. R. 31 E.

Choirs

79.7x Interest E. Bdy of Tp. 24 lks
S. of Cor to Secs. 1-6-7-12
previously set by me.
thence I run

S. 89° 50' W. on a true line
bet. Secs. 1-12 with some var.

39.87

like a post 3 ft. long 3 ins
square with marked stone 12
ins. in the ground for $\frac{1}{4}$ Sec.
Cor. marked $\frac{1}{4}$ S. on N. face
dug pit 18x18x12 ins E & W. of
post 5 $\frac{1}{2}$ ft. ditch and raised
a mound of earth 1 $\frac{1}{2}$ ft. high
3 $\frac{1}{2}$ ft. board around post

79.74

The Cor. to Secs 1-2-11-12
Sand rolling
Soil 3^d rate
Grass good

J. 20 S. R. 3, E.

Chairs

North on a contour line bet
Sics. 1 and 2

Or 12° 18' E.

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

41.10 Road bet. N.E. and S. W.

74.00 Enter foot hills Chicko-hun
mountains bet. N.E. and S. W.
and ascend

80.20 Intermittent North Body of Sp. 18
Lks. W. of Cor. to Sics. 1-2-35-36
Recently set by me then I run
S. 0° 8' W. on a line bet
Sics 1-2 with some Or.

40.20 Set a post 3 ft. long 3 in square
with marked stone 12 in. in
the ground for $\frac{1}{4}$ Sec. Cor.
marked $\frac{1}{4}$ S on W. face, dug
pit 18 x 18 x 12 ins. N + S. of post
5 $\frac{1}{2}$ ft. dia and raised a
mound of earth 1 $\frac{1}{2}$ ft. high 3 $\frac{1}{2}$

T. 20 S. R. 3, E.

choirs

ft. bar around post

So. 20

the Cor. to Secs. 1-2-11-12

Land rolling
soil good rich Grass good

Dec. 10 1883

From the Standard Cor. to Secs

34-35 on the 4th Standardparallel South which is a
post 4 ins. square (with pit
and mound of earth)

marked

S. C. T. 20 S. R. 3, E. on N.

S. 35 on E. and

S. 34 on W. faces with 2 notches
on E. and 4 notches on W faces

I run

J. 20 S. R. 31 E.

Choirs

North bet Secs 34-35

Cor. $12^{\circ} 18' E$.

40.00 Set a Lava Stone $10 \times 10 \times 7$ ins
 7 ins. in the ground for $\frac{1}{4}$ Sec
 Cor. marked $\frac{1}{4}$ on W. face
 dug pit $18 \times 18 \times 12$ ins. N & S
 of stone $5\frac{1}{2}$ ft. dia and
 raised a mound of earth
 $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. over
 along side

49.00 Arroyo 15 lks wide Course N. E.

80.00 Set a Lava Stone $11 \times 9 \times 8$ ins
 7 ins in the ground for Cor to Secs
 26-27-34-35 marked with
 1 notch on S. and 2 notches on
 E. edges, dug pit $18 \times 18 \times 12$
 ins. in each Sec. $5\frac{1}{2}$ ft. dia
 and raised a mound of earth
 2 ft. high $4\frac{1}{2}$ ft. over along side
 Land slightly rolling

T. 20 S. R. 31 E.

choir

Soil 3rd rate
 Grass good

E. on a pondrow line bet Secs 26-35
 Cor. 130' 12' E.

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

80.16 Intersect N & S. line 14 Ws. S.
 of Co to Secs. 25-26-35-36
 thence I run

S. 89° 54' W. on a true line
 bet Secs 26-35 with some Cor.

40.08 Set a Lava Stone 15 x 10 x 7 ins
 10 ins. in the ground for $\frac{1}{4}$ Sec
 Cor. marked $\frac{1}{4}$ on N. face
 dug pit 18 x 18 x 12 ins E & W.
 of stone 5 $\frac{1}{2}$ ft. dia and
 raised a mound of earth
 1 $\frac{1}{2}$ ft. high 3 $\frac{1}{2}$ ft. base
 alongside

T. 20 S. R. 3, E.

Chairs

- 80.16 The Cor to Secs. 26-27-34-35
 Sand slightly rolling
 ascending to the E.
 Soil 2⁵ & 3⁵ rate
 Good grazing
-
- N. bet. Secs. 26-27
 Cor. 13° 12' E.
- 36.90 Road from Camp Price to San
 Simon Station bet. N.E. & S.W.
- 40.00 Set a Lava Stone 12x10x7 ins
 8 ins. in the ground for 1/4 Sec.
 Cor. marked 1/4 on W. face and
 raised a mound of stone
 alongside. Pits unpracticable
- 72.00 Road bet. N.E. and S. 10° W.
- 80.00 Set a granite stone 24x18x7
 ins 18 ins in the ground for
 Cor. to Secs 22-25-26-27

T. 2, S. R. 3, E.

Chains

marked with 2 notches on S.
and E. edges and carried
a mound of stone alongside
Pits impracticable

Land rolling

Soil 3^d and 4th rate

Grass good

E. on a random line bet. Secs 23-26

Cor. $13^{\circ} 18' E.$

1.40 Road bet. N. 0.5' E. & S. 5' W.

40.50 Sub temporary $\frac{1}{4}$ Sec. Cor.

56.70 Wagon Road from Camp Price to
San. Simon Station bet. N. E. & S. W.

80.12 Intersection N & S. line 20 S. Cor. to
Secs. 23-24-25-26

thence I run S. $89^{\circ} 51'$ W. true
line bet. Secs 23-26 with
some bar.

T. 20 S. R. 31 E.

Chorus

40.06 Laka Lava Stone $12 \times 10 \times 6$ ins
 8 ins. in the ground for $\frac{1}{4}$ sec.
 Cor. marked $\frac{1}{4}$ on N. face
 dug pit: $18 \times 18 \times 12$ ins E & W.
 of stone $5\frac{1}{2}$ ft. ditch and
 raised a mound of earth
 $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft ~~sec~~ alongside

So. 12 The Cor. to Secs. 22-23-26-27

Sand calling

Soil 3^d + 4th rate

Grass good

North bet. Secs 22 & 23

87 $^{\circ}$ 13' 18" E.7.00 Ascend along E. slope of
Squaw Mountain40.00 Laka Lava Stone $15 \times 10 \times 8$ ins
 10 ins. in the ground for $\frac{1}{4}$ sec
 Cor. marked $\frac{1}{4}$ on N. face

T. 20 S. R. 3, E.

Choirs

And raised a mound of
stone alongside

Pit. Unpracticable

Oct. 00 Lean slope of mountain
bet. N. W. and S. E.

So. 00 Set a large stone 15x12x9 ins
10 ins. in the ground for Cor. to
Secs. 14-15-22-23 marked
with 3 notches on S. and 2
notches on E. edges and
raised a mound of stone
alongside. Pit. Unpracticable
Sand, ^{61 chs} mountainous & ^{19 chs} rolling
Soil 3rd and 4th rate
Grass good

E. on a pondow line bet. Secs 14-23

Cor. 130 / 80 E

S. 30 Wagon road bet. N + S.

T. 20 S. R. 31 E.

Chairs

40.00

Set temporary 1/4 Sec. Cor

79.90

Intersect N & S line 15 lks

S. of Cor. to Secs 13-14-23-24

then at end

S. 89° 54' W. on a true line bet. Secs. 14-23 with down for.

39.95

Set a lava stone 12x10x8 ins

8 ins. in the ground for 1/4

Sec. Cor. marked 1/4 on N face

dry pits 18x18x12 ins E & W.

of stone 5 1/2 ft. ditch and

raised a mound of earth

1 1/2 ft. high 3 1/2 ft. over

alongside

79.90

The Cor. to Secs 14-15-22-23

Land calling

Soil 3' rate

Grass good

T. 20 S. R. 3, E.

Chairs

North bet. Secs. 14-15

Cor. $13^{\circ}18'E$.

23.10 Trail bet. N.E. & S. W.

40.00 Set a lava stone $10 \times 10 \times 4$ ins
7 ins. in the ground for $\frac{1}{4}$ Sec
Cor. marked $\frac{1}{4}$ on W. face, dug
pit, $18 \times 18 \times 12$ ins N & S. of stone
 $5\frac{1}{2}$ ft. dish and raised a
mound of earth $1\frac{1}{2}$ ft. high
 $3\frac{1}{2}$ ft. bar alongside

48.00 A spring bet. due E. 18 Chs. dist.

51.00 " " " " 19 " "

80.00 Set a granite stone $17 \times 13 \times 9$
ins. 11 ins. in the ground for Cor
to Secs 10-11-14-15 marked
with 4 notches on S. and 2
notches on E. edges and
raised a mound of stone
alongside. Pit impracticable
Sand rolling

T. 20 S. R. 31 E.

Chairs

Soil 2⁵ and 3⁵ rate
 Good grazing

E. on a random line bet. Secs. 11-14
 Cor. 12° 40' E.

12.20 Road bet. N & S.

40.00 Set temporary 1/4 Sec. Cor.

79.92 Interest N & S. line 26 lks.
 S. of Cor to Secs. 11-12-13-14
 thence S run

S. 89° 49' W. on a true line bet
 Secs. 11-14 with some cor.

39.96 Set a Limestone 12x12x8 ins
 8 ins. in the ground for 1/4 Sec.
 Cor. marked 1/4 on N. face and
 raised a mound of straw
 alongside. Pits impracticable

79.92 The Cor. to Secs 10-11-14-15
 Sand rolling

J. 20 S. R. 31 E.

Chairs

Soil 2⁵ and 3⁵ rate
Good grazing

North bet. Secs. 10-11

Cor. 13° 12' E.

- 8.50 Rocky Arroyo 60 Yds. wide
Course E.
- 18.50 Trail bet. N. E. and S. W.
- 20.00 Asaned
- 40.00 Set a granite stone 34 x 26 x 12
ins. 25 ins. in the ground for
1/4 Sec. Cor. marked 1/4 on
N. face and raised a mound
of stone alongside
Pits impracticable
- 50.00 Set a granite stone 18 x 12 x 12 ins
12 ins. in the ground for Cor.
to Secs. 2-3-10-11 marked
with 5 notches on S. and 1

T. 20 S. R. 31 E.

Chorus

Notch on E. edges and raised
a mound of stone along side
Pits impracticable

This on S. E. slope of mountain
Sand mountains + broken
Soil 3^d rate
Grass good

E. on a condow line bet. Secs 2-11
Cor. 13' 12' E.

Wescend

- 40.00 Set temporary 1/4 Sec. Cor
50.00 Leave foot of mountain to
N.E. + S.W.
65.00 Road bet. N. 60° E + S 60° W.
80.18 Intersect N + S. line 12 N. of cor.
to Secs. 1-2-11-12
then I see
N. 89° 55' 4" true line bet. Secs 2-11

T. 20 S. R. 31 E.

Chains

with some box

40.09

At foot of steep bluff

Set a granite stone $13 \times 12 \times 7$ in. 9 in. in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face and raised a mound of stone along side. Pits impracticable

80.18

The Cor. to Secs 2-3-10-11

Soil ^{soils} mountainous & ^{30'} rollingSoil $2^5 + 3^5$ rate

Grass good

on a random line

North, bet Secs. 2-3

Cor. $13^0 12' E.$

Ascend

13.00

Highest points on S. E. slope of mountain and descend N. E. slope

40.00

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

T. 20 S. R. 31 E.

Chains

50.00 Cross point of Valley Extends
East and
Ascend

80.14 Intersect N. Bdy of Tp 26 lks
N. of Cor. to Secs 2-3-34-35
recently set by me
thence I run

S. 0° 11' W. on a true line bet Secs
2-3 with some var.

40.44 Set a granite stone 14 x 12 x 8 ins
9 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. Pit unproductive

80.14 The Cor. to Secs. 2-3-10-11

Sand mountainous & broken
Soil Rocky - 4 ft rats
Grass good

Dec 11 1883

T. 20 S. R. 31 E.

I carefully examined the adjustments of my solar instrument today particularly the latitude and reversing apparatus and found them correct.

From the Standard Cor. to Sies 33 and 34 on the 4th Standard parallel South which is a part 4 vis. Squan marked S.C.T. 20 S. R. 31 E. on N.

S. 34 on E. and

S. 33 on W. faces with 3 m. ticks on E & W. faces with pits 18 x 18 x 1/2

T. 20 S. R. 31 E.

Choirs

was N. E and W. of post ^{5 1/2 ft. dia} and
mound of earth 2 ft. high $4 \frac{1}{2}$
ft. over around post

I saw

North bet Secs 33-34

Cor. 120 48' E.

40.00 Set a granite stone 12 x 10 x 10 ins
8 ins. in the ground for $\frac{1}{4}$
Sec. Cor. marked $\frac{1}{4}$ on W. face
and raised a mound of
stone along side
Pits impracticable

43.10 House bet W. 3 cho. ditch

48.00 Water tank and spring bet.
W. about 4 cho. ditch

77.20 Road to San Simon bet. N 75° E + S 75° W.

80.00 Set a granite stone 30 x 20 x 7
ins ~~22~~ ins. in the ground for Cor
to Secs. 27-28-33-34 marked
with 1 notch on S. and 3 notches

T. 20 S. R. 31 E.

Chorus

on E. edges, dug pits 18x18x12
ins. in each sec. 5 1/2 ft. dirt
and raised a mound of
earth 2 ft. high 4 1/2 ft. long
alongside

Land slightly rolling

Soil 2⁵ + 3⁵ rate

Grass good

E. on a random line bet Secs 27-34
Cor. 130° 12' E.

8.00 Road from Camp Price to S. W.
Union brs. N. 65° E and S. 65°
W.

12.00 Spring (Link Blankenships
location) brs. S. 7.50 chs. dirt

21.00 Road to Spring brs. N. 60° E + S. 60° W.

40.00 Set temporary 1/4 Sec. cor.

80.14 Intersect N + S. line 28 chs N.
of corner

T. 20 S. R. 31 E

Chairs

to Secs 26-27-34-35

thence I run

N. 89° ^{48'} ~~48'~~ _W a true line bet

Secs. 27-34 with some var.

40.07

Set a Lava stone 13x9x7 ins

9 ins. in the ground for 1/4 Sec.

Cor. marked 1/4 on N. face

Dig pits 18x18x12 ins E & W of

stone 5 1/2 ft. dia and raised

a mound of earth 1 1/2 ft high

3 1/2 ft. base along side

So. 14

The Cor. to Secs. 27-28-33-34

Land slightly rolling slopes S.E.

Soil 2' and 3' rate

grass good

North bet. Secs 27 and 28

Var. 13° 12' E.

37.00

Ascend low hill bet. E & W

T. 20 S. R. 31 E.

Chains

40.00

Set a granite stone $26 \times 15 \times 12$ ins & 9 ins. in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on W. face and raised a mound of stone along side.
Ditch impracticable

45.00

Top of hill bet. E & W and descend

52.00

Leave foot of pond and enter valley bet. North

80.00

Set a granite stone $18 \times 13 \times 5$ ins 12 ins. in the ground for Cor to Secs 21-22-27-28 marked with 2 notches on S. and 3 notches on E. edges, dug pits $18 \times 18 \times 12$ ins. in each Sec. $5\frac{1}{2}$ ft. ditch and raised a mound of earth 2 ft. high $4\frac{1}{2}$ ft. bet. along side
Land rolling

J. 20 S. R. 31 E.

Chocoma

Soil 3rd & 4th rate
 Grass good

E. on a condow line bet Secs 22-27
 over 130 12' E.

Asand abruptly

35.00 Top of Squaw mountain 450 ft
 high bet. N & S. and
 descend abruptly

40.00 Set temporary 1/4 Sec cor.

70.00 Foot of mountain bet. E. & W.

80.40 Intersect N & S. line 24 lts N.
 of cor. to Secs 22-23-26-27
 thence I run

N. 89° 50' W. on a true line bet
 Secs. 22 & 27 with some var.

40.20 Set a lava stone 12 x 8 x 8 ins
 8 ins. in the ground for 1/4 Sec
 Cor. marked 1/4 on N. face

T. 20 S. R. 31 E.

Chairs

And raised a mound of
Stone along side

Pits impracticable

80.40 The Cor. to Secs. 21-22-27-28

Land Mountainous

Soil 3^d & 4th rate

Some good grass

North bet. Secs 21 and 22

Cor. 1301 S. E.

40.00 Set a Lora stone 15x14x6 ins
10 ins. in the front for $\frac{1}{4}$ SecCor. marked $\frac{1}{4}$ on N. face dug pits 18x18x12 ins ~~E & S~~of stone 5 $\frac{1}{2}$ ft. dist and

raised a mound of earth

1 $\frac{1}{2}$ ft. high 3 $\frac{1}{2}$ ft. over along side

66.50 Trail bet. N.E. and S. W.

80.00 Set a Lora stone 10x10x7 ins

T. 20 S. R. 31 E.

Chrom

7 ins in the ground for Cor 5
 Secs. 15-16-21-22 marked
 with 3 notches on S. and E.
 edges. dug pits: 18x18x12
 ins. in each sec. 5 1/2 ft. ditch
 and raised a mound of
 earth 2 ft. high + 1/2 ft. ber
 along side
 Sand rolling
 Soil 3^d and 4^a rate
 Grass good

E. on a condow line bet Secs 15 + 22
 Box. 13° 18' E.

36.00 Trail bet. N. E and S. 20.
 40.00 Rent temporary 1/4 Sec. Cor.
 80.16 Interest N + S line 18 lks. N. of cor
 to Secs. 14-15-22-23
 whenever I run
 N. 89°. 5' 2" W.

T. 20 S. R. 31 E.

Chains

~~*~~ on a true line bet. Secs 15-22
with 0 or 8.

40.08 Set a Lava stone $16 \times 6 \times 6$ ins
11 ins. in the ground for $\frac{1}{4}$ Sec
Cor. marked $\frac{1}{4}$ on N. face
and raised a mound of
stone alongside.

Pits impracticable

So. 16 The Cor. to Secs. 15-16-21-22
Sand slightly rolling
Soil $2^5 \times 3^1$ rate
Good good

North bet. Secs 15 and 16
Var. $130^{\circ} 18' E.$

40.00 Set a Lava stone $18 \times 12 \times 9$ ins
12 ins. in the ground for $\frac{1}{4}$
Sec. Cor. marked $\frac{1}{4}$ on N. face

T. 20 S. R. 31 E.

Chairs

dug pit 18 x 18 x 12 ins N. W. of
stone 5 1/2 ft. dist and raised
a mound of earth 1 1/2 ft. high
3 1/2 ft. over along side.

78.00 Enter mountainous land to E. & N.

80.00 Set a point stone 26 x 15 x 12
ins. 19 ins. in the ground for Cor
& Secs. 9-10-15-16 marked
with 4 notches on S. and 3
notches on E. edges and raised
a mound of stone along side
Pit impracticable

Land rolling ^{2 chs.} & mountainous
Soil 2nd rate
Grass good

E. on a random line bet. Secs 10 & 15
br. 130° 18' E.

Ascend

T. 20 S. R. 3, E.

Chairs

- 16.00 Top of ridge bro. N & S. and descend
Peak in Chiricahua Range
bro. N. 28° W.
- 27.00 Foot of Ridge bro. N & S.
- 40.00 Set temporary $\frac{1}{4}$ Sec. Cor.
Peak in Chiricahua Range
bro. N. 29° 41' W.
- 80.17 Intersect N & S. line 12 hrs.
S. of Cor. to Secs. 10-11-14-15
thence I run
S. 89° 55' W. on a true line
bet Secs 10-15 with some bar.
- 40.08 Set a Lava stone 15 x 9 x 5 ins
10 ins. in the ground for $\frac{1}{4}$ Sec
Cor. marked $\frac{1}{4}$ on N. face.
dug pit 18 x 18 x 12 ins E & W
of stone 5 1/2 ft. dia and
raised a mound of earth
1 1/2 ft. high 3 1/2 ft. diam

T. 20 S. R. 31 E.

Chairs

Alongside

81.17

the Cor. to Secs 9-10-15-16
 Sand rolling & mountainous
 Soil 3^d & 4th rates
 Grass good

North bet. Secs 9-10

Bk. $13^{\circ} 12' E.$

40.00

Set a granite stone $13 \times 12 \times 8$ ins
 9 ins. in the pound for $\frac{1}{4}$ Sec.
 Cor. marked $\frac{1}{4}$ on N. face
 and raised a mound of
 stone alongside.

Pit impracticable

43.30

Trail bet. E. & W.

49.50

Rocky Arroyo 40 lks. wide
 Cross E. and

as and

80.00

Set a Lava Stone $15 \times 14 \times 9$ ins

J. 20 S. R. 3, E.

chain

10 ins. in the front for Cor. to Secs
3-4-9-10 marked with 5
Notches on S. and 3 notches
on E. edges and raised a
mound of stone along side
Pit impractical
Land rolling + mountainous
Soil + a rate
Gross good

E. on a random line bet Secs 3 & 10
br. 130 12' E.

- 26.70 Arroyo 50 lks wide. Cross S.
28.00 Ascend Mountain spur. bet N & S.
40.00 Set temporary 1/4 Sec. Cor.
66.70 Top of mountain spur. bet N.
18° W. and S. 18° E. 720 ft.
high and
descend

T. 20 S. R. 31 E.

Choirs

- 80.40 Intersect N & S. line 36 lks
S. of Cor. to Secs. 2-3-10-11
Thence I run
S. $89^{\circ}45'$ W. on a true line
bet. Secs. 3 & 10 with some 800.
- 40.20 Set a granite stone $15 \times 10 \times 7$ 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
alongside. Pit impracticable
- 80.40 The Cor. to Secs 3-4-9-10
Land very mountainous
and broken
Soil rocky - 4th rate
Grass fair

on a random line
North, bet. Secs 3 & 4
Cor. $12^{\circ}18'$ E.
Asand

T. 20 S. R. 31 E.

Chains

4200

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

So. 24

Intersect North Bdy. of Tp. 16

lks W. of Cor. to Secs 3-4-33-34

previously set by me

then I run S. $00^{\circ}07'$ W.

on a true line bet. Secs 3-4

with 4000 Cor.

40.24

Set a granite stone $18 \times 16 \times 12$ in

12 in. in the front for $\frac{1}{4}$ Sec

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

and raised a mound of

stone around.

Pits unpracticable.

So. 24

The Cor. to Secs. 3-4-9-10

Land very mountainous & broken

Soil rocky - 4th rate

Timber. Some dumped

Dec 12, 1883

T. 20 S. R. 31 E.

Chairs

From the Standard Cor. to Secs.
32-33 on the 4th Standard
parallel South which is a
post 4 ins. square marked
S. C. T. 20 S. R. 31 E. on W.

S. 33 on E. and

S. 32 on W. face with 4 notches
on E. and 2 notches on W.

faces with pil. 18x18x12 ins

N. E. + W. of post 5 1/2 ft. ditch

and mound of earth 2 ft.

high 4 1/2 ft. box around post
run

North bet. Secs 32-33

Cor. 12° 18' E.

40.00 Set a Malpais rock 10x10x8
ins 7 ins. in the ground for 1/4
Sec. Cor. marked 1/4 on W face
dry pil. 18x18x12 ins N. E. S.
of stone 5 1/2 ft ditch & raised

T. 20 S. R. 31 E.

Chivis

a mound of earth $1\frac{1}{2}$ ft. high
 $3\frac{1}{2}$ ft. base along side
 Road bet. E. & 78.

54.00

80.00

Saw a malpais stone $16 \times 14 \times 9$ ins
 18 ins. in the ground for C₁ to
 Secs. 28-29-32-33 marked
 with 4 notches on S. and 4
 notches on E. edges and
 raised a mound of stone along side
 Pits impracticable

Sand rolling

Soil 3' rate

Grass good

Some Mesquite brush

E. on a sandstone line bet Secs 28 & 33
 Nov. 12' 18' E.

Along southern slope of moun-
 tain

T. 20 S. R. 31 E.

chain

10.08 Enter broken Lava hills
 4.000 ^{1.6} Ret temporary 1/4 Sec. Cor.

79.88 Intersect N + S. line 17 lks S.
 of Cor. to Secs. 27-28-33-34
 thence I run

S. 89° 53' W. on a true line
 bet Secs 28-33 with some Var.

39.94 Set Indian Mill stone 24 x 16 x
 6 ins 18 ins. in the ground for 1/4
 Sec. Cor. marked 1/4 on N. face
 and raised a mound of
 stone alongside
 pits impracticable.

Enter rolling land

79.88 The Cor. to Secs 28-29-33-34
 Sand stony? Mountain & broken
 Soil 3^d and 4th rate
 Grass good

T. 20 S. R. 31 E.

Chains

North bet. Secs 28-29

Cor. 120 18' E.

8.00 Enter broken and mountainous
Lava hills bet N. W. and S. E. and
ascend

40.00 Set a Lava stone $13 \times 13 \times 6$ ins
9 ins. in the ground for $\frac{1}{4}$ sec.
Cor. marked $\frac{1}{4}$ on N. face and
raised a mound of stone
alongside. Pit impracticable

80.00 Set a Lava stone $20 \times 10 \times 10$ ins
15 ins in the ground for Cor to
Secs 20-21-28-29 marked
with 2 notches on S. and 4
notches on E. edges and
raised a mound of stone
alongside. Pit impracticable

Surface - Broken & hilly mountains
Soil 4th rate
Grass good

J. 20 S. R. 31 E.

Chains

E₁ on a random line bet Secs 21-28
Cor. 13' 12' E.

Descend E. slope of Mountain Spur

29.00 Leave bank of dam and enter
Valley bet. N. and S.

40.00 Set temporary 1/4 Sec. Cor.

80.10 Intersect N + S. line to the N.
of Cor to Secs. 21-22-27-28
thence I run

N. 89° 58' W. on a true line
bet. Secs. 21-28 with some Var.

40.05 Set a Lava Stone 16 x 13 x 10 ins
11 ins. in the ground for 1/4 Sec.
Cor. marked 1/4 on N. face
any pits 18 x 18 x 12 ins E & W.
of stone 5 1/2 ft. dia and
raised a mound of earth
1 1/2 ft. high 3 1/2 ft. low
alongside
pit as per

T. 20 S. R. 31 E.

Chowis

80.10

The Cor. to Secs 20-21-28-29
 Land 29 Chain mountains
 of 57th Rolling valley.
 Soil 3rd and 4th rate.
 Grass good
 Timber, a few oak trees

North bet. Secs 20 and 31
 Cor. 13' 18' E.

As a and along E. slope of
 mountain spur.

32.00 Trail bet. N.E. and S. W.

40.00 Set a Lava stone 17 x 12 x 7 ins
 11 ins. in the ground for $\frac{1}{4}$ sec
 Cr. marked $\frac{1}{4}$ on W. face and
 raised a mound of straw
 along side. Pit impracticable

76.00 Top of mountain spur bet
 N, 120° E. and S. 120° W.

80.00 Set a Lava stone 20 x 17 x 9 ins.

T. 20 S. R. 31 E.

Chairs

15 ins. in the ground for Cor to
 Secs 16-17-20-21 marked
 with 3 notches on S. and 4
 notches on E. edges and
 raised a mound of stone
 alongside. Pit impracticable
 Land Mountainous ^{by} broken
 Soil Stony 4th rate
 Some grass
 Timber Scattering oak

E. on a random line bet Secs 16-21
 Cor. $130^{\circ} 12' E.$

Descend

- 40.00 Set temporary $\frac{1}{4}$ Sec. Cor.
 46.00 Leave foot of ridge and enter
 Valley bet. N. and S.
 49.00 Rocky Arroyo 15 lks wide
 Course N. $65^{\circ} E.$

T. 20 S. R. 31 E.

Chains

80.20

Intersect N + S. line 36 lks S.
 of Cor. to Secs. 15-16-21-22
 thence I ran

S. 89° 45' W. on a True line
 bet. Secs 16-21 with some var.

40.10

Set a Lava Stone 26x15x9 ins
 19 ins in the ground for $\frac{1}{4}$ Sec.
 Cor. marked $\frac{1}{4}$ on N. face and
 raised a mound of stone
 alongside. Pit impracticable

80.20

The Cor. to Secs. 16-17-20-21

Sand ^{46. chs} Mountainous ^{34. chs} rolling

Soil 3^d and 4th rate

Grass good

Timber. Some oak

North bet Secs 16 and 17

Cor. 13° 12' E.

2.00

Descend steep bluff bet. N

T. 20 S. R. 31 E.

No. 963

Chains

18° E and S. 18° W. Bluff about
70 ft. high

15.00 Enter rolling lands N.E. ^{and S. W.}

40.00 Set a granite stone 12 x 8 x 7 ins
8 ins. in the ground for $\frac{1}{4}$ Sec
Cor. marked $\frac{1}{4}$ on W. face dug
pit 18 x 18 x 12 ins N & S. of
stone 5 $\frac{1}{2}$ ft. dia. and raised
a mound of earth 1 $\frac{1}{2}$ ft.
high 3 $\frac{1}{2}$ ft. base along side

80.00 Set a granite stone 10 x 10 x 7 ins
7 ins. in the ground for Cor to
Secs 8-9-16-17 marked with
4 notches on S. and E. edges
dug pits 18 x 18 x 12 ins. in each
Sec. 5 $\frac{1}{2}$ ft. dia. and raised
a mound of earth 2 ft. high 4 $\frac{1}{2}$
ft. base along side

Sand rolling ^{65-Chs} + mountainous 15-Chs
Soil 3rd sat. Good grazing

T. 20 S. R. 31 E.

Chains

E. on a random line bet. Secs 9-16
Cor. $130^{\circ} 12' E.$

5.00 Ascend Ridge bet. N + S.

28.00 Top of mountain ridge bet N + S. and
descend40.00 Set temporary $\frac{1}{4}$ Sec. Cor

79.78 Intersect N + S. line 28 lks

N. of Cor. to Secs 9-10-15-16

Thence I run

N. $89^{\circ} 48' N.$ on a true line
bet. Secs 9-16 with same Cor.39.89 Set a granite stone $13 \times 13 \times 7$ ins
9 ins. in the ground for $\frac{1}{4}$ Sec.
Cor. marked $\frac{1}{4}$ on N. face and
raised a mound of stone
alongside. Pit impracticable

79.78 The Cor. to Secs. 8-9-16-17

Land mountainous + broken
Soil stony 4th rate

Juniper. Pinon and oak brush

T. 20 S. R. 31 E.

Chains

North bet. Secs. 8 and 9
Var. 130 12' E.20.00 Trail bet. E. & W. and
As and40.00 Set a granite stone 15 x 12 x 7 ins
10 ins. in the ground for $\frac{1}{4}$ Sec.
Cor. marked $\frac{1}{4}$ on W. face
and raised a mound of
stone alongside
Pits impracticable51.00 Top of Mountain Ridge bet.
N. 28° W. and S. 28° E. and
descend80.00 Set a granite stone 13 x 12 x 7^{ins}_N 8 ins.
in the ground for Cor to Secs
4-5-8-9 marked with 5 notches
on S. and 4 notches on E. edges
and raised a mound of stone
alongside. Pits impracticable
Land very broken & mountainous

T. 20 S. R. 31 E.

Choirs

Soil 4th rate
 Pinon and oak brush

E. on a random line bet. Secs 4-9

Var. 13° 12' E.

Descend abruptly

34.00 Dry Rocky Creek 90 yds wide
 Corner S. E. and
 over mountainous foot hills

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

80.14 Intersect $\frac{1}{4}$ S. line 14 yds S.
 of Cor. to Secs 3-4-9-10

thence I run

S. 89° 54' W. on a true line
 bet Secs 4-9 with some Var.

40.07 Set a granite stone 15 x 9 x 8 in
 10 ins. in the ground for $\frac{1}{4}$
 Sec. Cor. marked $\frac{1}{4}$ on N. face
 and raised a mound of

J. 20 S. R. 31 E.

Chairs

Stone along side
Pits - impracticable

80.14 The Cor. to Secs 4-5-8-9

Land broken ^{by} mountainous

Soil 3^d and 4th rate

Good grazing

North on a random line bet Secs
4 and 5

Cor. 130° 12' E.

Along E. slope of mountain
Descending

40.00 Set temporary 1/4 Sec. Cor.

79.84 Instrument N. Bdy. of Twp. 26

1/4 S. E. of Cor. to Secs 4-5-32-33

(recently set by me)

thence I run

S. 00° 11' E. on a true line bet

Secs. 4 and 5 with some Var

T. 20 S. R. 31 E.

39.84

Set a granite stone 17x12x6 ins
11 ins. in the ground for 1/4
Sec. Cor. marked 1/4 on W.
face and raised a mound
of stone alongside
Pit impracticable

79.84

the Cor. to Secs 4-5-8-9
Large broken and numerous
Soil 3 and 4 a rate
Gross good

Dec 19, 1883

J. 20 S. R. 3, E.

I carefully examined the
adjustments of my solar
instrument to day, particularly
the latitude and leveling
apparatus and found them
Correct

T. 20 S. R. 31 E.

Chains

From the Standard Cor. to
Secs. 31-32 on the $\frac{1}{4}$ Standard
parallel South which is
a post 4 ins. square.

marked
S. C. T. 20 S. R. 31 E. on N.
S. 32 on E. and

S. 31 on W. faces with 5 notches
on E. and 1 notch on W. ~~edge~~ ^{faces}.
with pits 18x18x12 ins N.E. and
W. of post 5 1/2 ft. dia with
mound of earth 2 ft high 4 1/2
ft. base around post

I run

North bet Secs 31-32

Var. 12° 18' E.

40.00 Set a granite stone 9x8x8 ins 6 ins
in the journal for $\frac{1}{4}$ Sec. Cor
marked $\frac{1}{4}$ on W. face, dug
pit 18x18x12 ins N + S. of stone

T. 20 S. R. 31 E.

Chains

5 1/2 ft. ditch and raised on
 Mound of earth 1 1/2 ft high
 3 1/2 ft. base along side
 79.00 Road bet. N. W. and S. E.
 80.00 Six granite stones 14 x 8 x 6 in
 9 in. in the ground for Cor. to
 Secs. 29-30-31-32 marked
 with 1 notch on S. and 5
 notches on E. edges and
 raised a mound of stone
 along side. Pit impracticable
 Sand nearly level
 Soil 3^d rate
 Grass good

E. on a random line bet. Secs. 29-32
 Nov. 12, 1878 E.

40.00 1/4 temporary 1/4 Sec. Cor.
 80.18 Interest N. & S. line 12 lks

T. 20 S. R. 31 E.

Chairs

N. of Cor. to Secs 28-29-32-33
thence I runN. 89° 55' W. on a true line
bet. Secs. 29-32 with some Va.

40.09

Set a granite stone 12 x 8 x 8 in
8 in. in the ground for 1/4 Sec
Cor. marked 1/4 on N faceand raised a mound of
stone alongside

Pit impassible

80.18

The Cor. to Secs 29-30-31-32

Land rolling

Soil 3rd rate

Gross good

Next on a random line bet Sec 30-31

Cor. 12° 18' E.

0.86

Road bet. N. W. & S. E.

40.00

Set temporary 1/4 Sec. Cor.

T. 20 S. R. 31 E.

Chowen

- 76.10 Trail br. N. W. and S. E.
- 79.70 Interest Meet Bdy. of Tp. 16
 Lks. N. of cor to Secs 25-30-31-36
 Recently set by me
 Then I saw
 N. $89^{\circ} 53' E.$ on a line
 bet. Secs 30-31 with four bar.
- 39.70 Set a Lava Stone $20 \times 13 \times 7$ in
 15 in. in the ground for $\frac{1}{4}$ Sec
 Cor. marked $\frac{1}{4}$ on N. face
 dug pit $18 \times 18 \times 12$ in E + W.
 of stone $5\frac{1}{2}$ ft. dist. and
 raised a mound of soil
 $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base along
- 79.70 The Cor. to Secs 29-30-31-32
 Land slightly rolling
 Soil 3^5 rate
 grass good
-

T. 20 S. R. 31 E.

Chairs

North bet. Secs. 29-30

Var. 120, 18, E.

40.00 Loka Lava Stone $15 \times 7 \times 7$ ins
 10 ins. in the ground for $\frac{1}{4}$
 Sec. Cor. marked $\frac{1}{4}$ on W.
 face, dry pits $18 \times 18 \times 12$ ins
 2×5 . of Stone $5\frac{1}{2}$ ft. dia
 and raised a mound of
 earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base
 along side.

80.00 Loka Lava Stone $24 \times 18 \times 12$
 ins 18 ins. in the ground for
 Cor to Secs. 19-20-29-30 marked
 with 2 notches on S. and
 5 notches on E. Slightly dry
 pits $18 \times 18 \times 12$ ins. in each
 Sec. $5\frac{1}{2}$ ft. dia and raised
 a mound of earth 2 ft. high
 $4\frac{1}{2}$ ft. base along side

J. 20 S. R. 31 E.

Choirin

Land rolling
Soil 3^d rat
Grazing good

E. on a round line bet Secs 20-29
Var. 120 18' E.

Over level Valley

40.00 Set temporary 1/4 Sec Cor.
Ascend

58.00 Bluff 60 ft. high bet. N.E. & S.W.

59.80 Top of round bet N.E. & S.W. and
descend

80.20 Intersect N & S line 18 cks. N.
of Cor. to Secs 20-21-28-29
Thence I run

N. 89° 52' W. on a true line
bet Secs. 20-29 with some var.

40.10 Set a post 3 ft. long 3/4 square
with marked stone 12 ins. in

T. 20 S. R. 31 E.

Choir

the ground for $\frac{1}{4}$ Sec. Cor.
 marked $\frac{1}{4}$ S. on N. face clay
 pits $18 \times 18 \times 12$ ins E. & W. of
 post $5\frac{1}{2}$ ft. dia and raised
 a mound of earth $1\frac{1}{2}$ ft high
 $3\frac{1}{2}$ ft. base around post

80.20 The Cor. to Secs. 19-20-29-30
 Sand broken & hilly
 Soil 4^{th} rate
 Grass good

N. on a condom line bet Secs 19-30
 Cor. $12^{\circ} 18' E$

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

79.78 Antient West Bdy. of Tp. 13 Bkts

87.50 N of Cor. to Secs. 19-24-25-30
 previously set by me

Thence I run $N 89^{\circ} 58'$
 E. on a true line bet Secs

J. 20 S. R. 31 E.

Choirs

19 + 30 with down box

39.78

Set a Malpais Stone 13x13x6 ins
 9 ins. in the ground for $\frac{1}{4}$ Sec.
 Cor. marked $\frac{1}{4}$ on N. base, deep
 pits 18x18x12 ins E + W. of stone
 5 $\frac{1}{2}$ ft. dia and raised a
 mound of earth 1 $\frac{1}{2}$ ft. high
 3 $\frac{1}{2}$ ft box alongside

49.78

The Cor. to Secs 19-20-29-30
 Land calling
 Soil 4th cat.
 Grass good

North lot Secs 19 and 20
 Box. 120 18' E.

30.95

Trail to Bowie Station on N.E.
 and S. W.

40.00

Set a Lava Stone 18x8x7 ins
 12 ins. in the ground for $\frac{1}{4}$

T. 20 S. R. 3, E.

Chairs

Sec. Cor. marked $\frac{1}{4}$ on W.
face, dug pit-18x18x12 ins
N + S. of stone $5\frac{1}{2}$ ft. dist
and raised a mound
of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft.
box alongside

80.00

Set a lava stone $12 \times 12 \times 7$ ins
8 ins. in the front for Cor
to Secs. 17-18-19-20 marked
with 3 notches on S. and
5 notches on E, edges dug
pit-18x18x12 ins. in each
Sec. $5\frac{1}{2}$ ft. dist and raised
a mound of earth 2 ft. high
 $4\frac{1}{2}$ ft. box alongside

Land rolling

Soil 3' + 4 to rate

Gross food

T. 20 S. R. 31 E.

Chains

E. on a rounded limb bet Secs 17-20
Cor. $13^{\circ} 12' E.$ 40.00 Sub temporary $\frac{1}{4}$ Sec. Cor.

71.00 Ascend

78.70 Top of Bluff 60 ft. high Sec.
 $N. 15^{\circ} E.$ and $S. 15^{\circ} W.$ 79.90 Intersect N. & S. line, 32. 22.7 cor to
Secs 16-17-20-21

Thence I run

 $N. 89^{\circ} 46' 20''$ true line bet Secs 17-20
with some Cor.79.95 Set a granite stone $13 \times 12 \times 12$ ins
9 ins. in the ground for $\frac{1}{4}$ Sec.
Cor. marked $\frac{1}{4}$ on N. facedug pits $18 \times 18 \times 12$ ins E & W.of stone $5\frac{1}{2}$ ft. dia and

raised a mound of earth

 $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base along side

79.90 The Cor. to Secs. 17-18-19-20

Sand, 9. Chain's mountainous

71. Rolling.

T. 20 S. R. 31 E.

choirs

Soil 3' rate
Grass good

N. on a round line bet. Secs 18-19

Var. 13° 09' E.

30.00 Ascend. Rocky bluff. bet. N & S.

38.00 Top of Bluff bet. N & S, and over mesa

40.00 Let temporary 1/4 Sec. Cor

64.00 Descend mesa bet. N.E. & S. W.

79.82. Intersect West Bdy. of Sp.
16 lks North of Cor. to Secs. 13-
18-19-24 recently set by
me.

thence I saw

N. 89° 53' E. on a true line
bet. Secs. 18-19 with Dam Cor.39.82 bet a Malpais stone 22 x 15 x 12
ins 16 ins in the ground for
1/4 Sec. Cor. marked 1/4 on W

T. 20 S. R. 31 E

Chowies

face and raised a mound
of stone along side
Pit impracticable

79.82

The Cor. to Secs. 17-18-19-20

Sand, ^{50 chs} Mountainous and rolling ^{30 chs}

Soil stony, 3' & 4' rate

Good grazing

North bet. Secs. 17 and 18

Dev 13° 15' E.

40.00

Set a point-stone 17x12x12
ins 11 ins. in the ground for 1/4
Sec. Cor. marked 1/4 on W. face
dug pit 18x18x12 ins N+S of
stone 5 1/2 ft. dia and raised
a mound of earth 1 1/2 ft. high
3 1/2 ft. base along side

51.00

Arroyo 24 ft. wide corner
S.E. and ascend over
mountainous land

T. 20 S. R. 3, E.

Chairs

80.00 Set a points stonw 27x16x10
 in 2.0 ins. in the front for
 cor. to Secs 7-8-17-18 marked
 with 4 notches on S. and
 5 notches on E. edges and
 raised a mound of stonw
 along side. Pits impracticable
 On cliff of rocks
 Surface M. riantarinas
 Soil 3' + 4" rate
 Some good grass

E. on a random line bet Secs 8-17
 Var. 13' D 9' E.

Over broken land

32.00 Enter Valley bet. N. E and S. W.

40.00 Set temporary 1/4 Sec. Cor

80.18 Intersect N. S. line 20 lks
 N. of Cor to Secs. 8-9-16-17

J. 20 S. R. 3, E.

Chains

Hence I run

N. $89^{\circ} 51' W.$ on a true line
bet. Secs 8-17 with some var.

40.09 Set a point stone $13 \times 12 \times 5$ in
9 in. in the ground for $\frac{1}{4}$ Sec
Cor. marked $\frac{1}{4}$ on N. face
dug pit $18 \times 18 \times 12$ in. E & W.
of stone $5\frac{1}{2}$ ft. dist and
raised a mound of earth
 $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base
alongside

80.18 The Cor. to Secs. 7-8-17-18

Land ~~is~~ *Chrysomelid* *mountainous* *remains* *rolling*

Soil 3^d rate

Grass good

Dec 14, 1889

N. on a random line bet. Secs 7-18

Var. $13^{\circ} 09' E.$

Ascend

T. 20 S. R. 31 E.

Chains

28.00 Top of Mesa mountain to N & S.

40.00 Set temporary 1/4 Sec. Cor.

62.00 Descend ^{mesa} to N. 10° E. & S. 10° W.

79.80 Intersect W. Bdy of Township
3/4 lk. N. of Cor. to Secs. 7-12-
13-18 previously set by me
thence I run

N. 89° 50' E, on a true line
bet. Secs 7-18 with corner Cor.

39.80 Set a Larva Stone 20 x 12 x 5 in
15 in in the ground for 1/4 Sec.
Cor. marked 1/4 on N. face
and raised a mound of stone
alongside. Pit impracticable

79.80 The Cor to Secs. 7-8-17-18
Sand mountains & broken
Soil 3^d & 4th rate
Grass good
(Some damped brush)

J. 20 S. R. 3, E.

Chains

North bet Secs 7-8

Cor. 12018, E.

Ascend

21.00 Top of mountain spur to E & W
descend

35.00 Trail bet. N. E. and S. W. and
ascend

40.00 Set a sand stone $22 \times 13 \times 12$
ins. $1 \frac{1}{2}$ ins. in the ground for
 $\frac{1}{4}$ sec. Cor. marked $\frac{1}{4}$ on W.
face and raised a mound
of stone alongside
Pit impracticable

80.00 Set a sand stone $26 \times 10 \times 8$ ins
 19 ins in the ground for Cor
to Secs. 5-6-7-8 marked
with 5 notches on S and E
edges and raised a mound
of stone alongside
Pit impracticable

T. 20 S. R. 3, E.

Chains

Land Mountainous

Soil 4th rate

Some oak and Pinon Brush

E. on a round low line bet Secs 5 & 8
 Var. $120^{\circ} 48' E.$

Descend abruptly cross

26.00 Foot of descent and ^{cross} Arroyo
 30 lks wide Course S. E. and
 ascend

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

54.00 Top of Round mountain
 bet. N & S. and
 descend

80.12 Intersect N & S. line 22 lks
 S. of Cor to Secs 4-5-8-9
 Thence I run

S. $89^{\circ} 51' W.$ on a true line
 bet. Secs. 5 and 8 with Rom Var.

T. 20 S. R. 31 E.

Chairs

40.06 Set a granite stone 15 x 9 x 9 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.

Pits impracticable

80.12 The Cor. to Secs. 5-6-7-8

Land very broken & mountainous
Soil 3^d and 4th rate
Some Pinon and Juniper

N. on a random line bet Secs 6-7

For 120, 18, E.
Ascending

4.00 Top of mountain spur. bet
N. E. and S. W.

36.00 Descend

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

68.00 Enter Valley bet. N. E. and S. W.

79.72 Intersect West Bdy. of Sp

T. 20 S. R. 3, E.

Chairs

18 lks S. of Cor to Secs 6-7-12
previously set by me

Thence I run

S. 89° 52' E. on a true line
bet. Secs. 6 & 7 with some bar.

39.72

Set a Lava Stone 18 x 12 x 5
ins. 12 ins. in the ground
for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$
on N. face and raised
a mound of stone alongside

Pit. unpracticable

79.72

Th. Cor. to Secs. 5-6-7-8.

Sand Mountainous & broken

Soil 3^d and 4th rats

Some Pinon and Juniper

T. 20 S. R. 3, E.

Chairs

North on a road down line
bet Secs 5 and 6Cor. $120^{\circ} 18' E.$

- 7.00 Top of mountain spur bet.
N.E. and S. W. and
along top of same
- 40.00 Set temporary $\frac{1}{4}$ Sec. Cor.
- 46.00 Descend spur bet. N.E. & S. W.
- 80.38 Intersect North Body of Sp.
36 lks E. of Cor. to Secs 5-6-
31-32 previously set by me
thence I run
S. $0^{\circ} 15' E.$ on a thin line bet
Secs. 5 and 6 with some bars.
- 40.38 Set a sandstone $13 \times 12 \times 8$ ins
9 ins. in the ground for $\frac{1}{4}$ Sec
Cor. marked $\frac{1}{4}$ on N. face
and raised a mound of
stone alongside.
Pits impracticable

T. 20 S. R. 31 E.

Chocoma

So. 38 2nd Cor. to Secs. 5-6-7-8
 Sand mountains & broken
 Soil & a patch
 Some scattering Pinon & oak
 Dec. 15th 1889

I carefully examined the
 adjustments of my Solar
 instrument today particularly
 the latitude and meridian
 apparatus and found
 them correct

General Description

The surface of this ^{quarter} in the north, is very broken, and mountainous, and in places along the west and central ^{part} ₁₁

The south-east quarter extends into the San Simon valley and contains some fine rich soil.

The formation is principally Basaltic, with an occasional break where granite appears

A road traverses the entire South end of the T. while a trail crosses near the center, and

another, through a
pass in the moun-
tains, crosses the
north end

There are several
springs -
one belonging to the
applicant for sur-
vey. Link Blankenship
is in the N.W. $\frac{1}{4}$ sec
34. his house and
improvements are
in the same quarter
section.

The soil is about
3" rate.

Grass good
No indications of
mineral were
noticed.

For final ouths see Book No. 10.

U. S. Surveyor General's Office,

Tucson, Arizona, Mar. 19. 1884.

The foregoing Field Notes of the Survey of the

Subdivision Lines of
Township 20 South
Range 31 East

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

ted by Walter Bevil

Deputy Surveyor, under his contract of the 1st,

day of October, 1883 having been

critically examined and the necessary corrections and explana-

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

are hereby approved

Royal A. Johnson
Surveyor General.