

359

BOOK 359

F I E L D N O T E S
OF THE SURVEY OF THE
SUBDIVISION LINES
OF

Township 20 North, Range 19 East.

Gila and Salt River Base and
Meridian,

ARIZONA.

By Frank Follman, D. S., under
Contract dated July 29, 1882.
Survey completed Oct. 31, 1882.
Survey completed Nov. 2, 1882.

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~~Book No 8~~ p. 1

Field Notes

No-359

OF THE SURVEY OF THE

SUBDIVISION LINES

BOOK 359

-OF-

ownership 20 N. Range 19 E.

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No-359

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Township 20, N., Range 19, E.

Gila and Salt River Meridian.

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For preliminary
oaths & list of as-
sistants see first-
book (No. 1.) of
survey.

T. 20 N. R. 19 E. G & S. R. M

Chairs

From the Cor. & Recs 35-36
142 on S. Boundary of Tp.
which is a sandstone
8 x 4 ins, properly set
and marked, and
with pits & mound
of earth,

Iron N. bet. Recs 35 & 36

207, 140 11' East

4000 ^{as per Reul's improved Dalai Compass} Set a sand stone 14 x 10 x 7 in
9 ins. in the form of 1/4 Rec.
Cor. marked 1/4 on N. face
dry pits 18 x 8 x 2 ins. N. & S.
of stone ^{5 1/2 ft. dist.} & raised a mound

T. 20 N. R. 19 E. Arnt,

Cross

of Earth $4\frac{1}{2}$ ft high $3\frac{1}{2}$ ft
 bar along side

71.22 Cross dug with 25 Lk.
 with Cross N. 80° W.

80.00 Set a pond stone $17 \times 11 \times 6$ ins.
 10 ins in the ground for Cor to
 Sics 25 + 26 - 35 + 36 marked
 with 1 notch on E. + S. edges
 dug pits $18 \times 18 \times 12$ ins in each
 Set $5\frac{1}{2}$ ft. dist. + raised a
 mound of earth 2 ft. high
 $4\frac{1}{2}$ ft. bar along side
 Surface Level + Sandy
 Soil 3' grade. Some grass

T. 20 N. R. 19 E. Cont.

Chairs

East on a random line
bet. Sics 25 & 36Or. $14^{\circ} 11' E$,

Over low sand hills

28.00 Enter rock corner S. 77,

30.10 Leave rock corner S. 77,

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.80.14 Interest E. Boundary of
Tp. 12 lks. N. of ^{cor. to west} 25-30-31-36
previously established by
me

Then a line

N. $89^{\circ} 55' W$,

on a true line bet Sics 25 & 36

Or. $14^{\circ} 11' East$ 40.07 Set a sand stone $17 \times 10 \times 4$
ins. 12 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, 77W

T. 20 N. R. 19 E. Cont.

Chains
 of ^{5 1/2 ft. dist.} ~~Stem~~ ^{and raised a mound}
 of earth 1 1/2 ft. high 3 1/2 ft
 over alongside
 80.14 The Cr & Sec. 25-26-35 + 36
 Surface rolling + Sandy
 Soil + ⁴ 2 lat. Some grazing

Thence I run:
 N. bet Sec 25 + 26
 100.14 0 11' E,

Over rolling land hills
 38.00 Enter bad lands bet. E. + N.

40.00 Set a sand stem ^{18 x 18 x 5 in}
 9 in. in the ground for 1/4 Sec
 Cr. marked 1/4 on N. face
 dug pit 18 x 18 x 2 in N. + S.
 of stem ^{5 1/2 ft. dist.} + raised a mound
 of earth 1 1/2 ft. high 3 1/2
 ft. over alongside

T. 20 N. R. 19 E. Cont.

Chairs

73.00 Top of Ridge of bad lands
125 ft. ^{high} N. E. & N. and
descend through sand

86.00 Set a sand stone 15 x 14 x 13
ins. 10 ins. in the front
for Cor. to Secs 23-24-25-26
marked with 2 notches on S. &
1 notch on E. edges, dug
pits 18 x 18 x 12 ins. in each
Sec 5 1/2 ft. dia. and
around a mound of earth
2 ft. high 4 1/2 ft. box along side
Surface broken. Soil & ^{the} water
growing poor

East on a random line
bet. Secs 24 & 25

Dir. 14° 11' E.

Over bad lands

3.40 18 x 20 mesh 20 lbs. wire

T. 20 N. R. 19 E. Cont.

Chairs

Course N. and Ascend

40.00 Set temporary 1/4 Sec. Cor.

68.00 Top of hill bet. N. & S.

And Descend

80.21 Intersect E. Boundary of
Tp. 15 lks. N. of Cor to Secs
19-24-25+30 previously
established by me

Thence I ran N. 89° 55' W.
On a true line

bet. Secs 24 + 25
with same val.

40.10 Set a sand stone 17 x 10 x 6
ins., 10 ins. in the front for
1/4 Sec. Cor., marked 1/4 on
N. face dug pit 18 x 18 x 12
ins. E. & N. of stone 5 1/2 ft.
diam. and raised a mound
of earth 1 1/2 ft. high 3 ft.

T. 20 N. R. 19 E. Cont.

Chrim

been along side

80.21 The Cor. to Secs 23-24-25 & 26
Surface broken, bad lands
Soil 4000 ft. no droppings

N. bet. Secs. 23 & 24

W. 14° 11' E.

Over rolling valley land

Stony Soil 3000 ft.

40.00 Set a sand stone 20 x 10 x 4
ins. 15 ins. in the ground for 1/4
Sec. Cor. Marked 1/4 on N. face.
dug pits 18 x 18 x 12 ins. N. & S of
Ston 3 1/2 ft. dia. & round a mound
of earth 1 1/2 ft. high 3 1/2 ft. long
alongside

80.00 Set a sand stone 20 x 10 x 4 ins
15 ins. in the ground for Cor. to
Secs. 13-14-23 & 24 marked with

T. 20 N. R. 19 E. Cont.

Chains

3 notches on S. & 1 notch on E.
 edges, dug pits 18x18x12 ins.
 in each Sec. 5 1/2 ft. dist &
 raised a mound of earth 2 ft
 high 4 1/2 ft. top along side
 surface. Soil sandy ^{30% white}
 opening fair

Each on a random line bet
 Secs 13 & 24

W. 14° 11' Each

Over Valley land. (Sandy)

35.00 Seam Valley bet. N. & S &
 Ascend

37.00 Top of Spar 40 ft. high bet N & S.

40.00 Set temporary 1/4 Sec Cor.

79.90 Intersect E. Boundary of Sp
 17 lks. S. of Cor. to Sec 13-

T. & N. R. 19 E. Cont.

Chorus

18-19 & 24 previously Es-
tablished by me

thence I run S. 89° 53' W.

on a true line

bet. Secs 13 & 24 with some Va.

39.95 Set a sand stone 10x7x5 ins

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

marked 1/4 on N. face, dug

pts 18x18x12^{1/2} E. & N. of stone ^{5 1/2 ft. dist}

+ raised a mound of earth

1 1/2 ft. high 3 1/2 ft. base alongside

79.90 The Cor to Secs. 13-14-23 & 24

Soil Sandy, Surface rolling

Low grazing

T. 20 N. R. 19 E. Contd.

Chairs

N. bet. Sics. 13 + 14

Wr, 14° 11' E.

Over rolling Valley land

40.00 Sit a Soda stone 14 x 10 x 4 ins
9 ins. in the ground for 1/4 Sic.
Cr, marked 1/4 on N face,
& around a mound of stone
alongside

Pts unpracticable

40.50 Leave Valley land bet E. & W.
& ascend along N. slope of
Rocky mountain

80.00 Sit a Soda stone 24 x 10 x 8 ins.
18 ins. in the ground for Cr. to
Sics. 11-12-13 + 14 marked with
4 notches on S. & 1 notch on E
edges, dry pits 18 x 18 x 1/2^{ins} in
each Sic 5 1/2 ft. dia & around
a mound of earth 2 ft high

T. 20 N. R. 19 E. Cont.

Chains

4 1/2 ft. tree along side
 Suffer valley. Soil 3' ^{cont.}
Spring fair

E. on a random line bet. Sics
 12 + 13

Ascending over broken Country

20.00 Top of high rocky mountain
 tes. N + S. 400 ft. high above
 Sec. Cor.

40.00 Sit temporary 1/4 Sec. Cor.

80.10 Intersect E. Boundary of
 Tp. 14 N. S. of Cor to Sics.
 7-12-13 + 18 just previously
 established by me

thence I run $\{ 89^{\circ} 54' N,$

on a true line

bet. Sics 12 + 13 " ^{with} same Var.

40.05 Wh a pond stone 20 x 17 x 10 in.

T. 20 N., R. 19 E. Cont.

Chairs

15 ins. in the ground ^{for 1/4 Sec. Cor.} marked
 1/4 on N. face + visible a row
 of stones alongside

Pits impracticable

80.10 The Cor. to Sec. 11-12-13 + 14

Spic 3^d Rot. (Sandy)
 Surface broken & mountainous
 grazing four

N. to Sec. 11 + 12

W. 14° 11' E.

Over Valley Land (Sandy)

38.00 Enter Cottonwood Creek Cross

S. 70° W.

40.00 Aka sand stone 14 x 12 x 10 in

9 ins. in the ground for 1/4 Sec.
 Cor. dug pits 18 x 18 x 12 ins N +
 S. of Cor. 5 1/2 ft. disk + visible

T. 20 N. R. 19 E. Cont.

chain

a mound of earth 1 1/2 ft. high
3/4 ft. base along side

42.00 Lean Cottonwood Creek Cross
S. 70° W.

80.00 Set a round stem 14 x 8 x 6 ins
10 ins. in the ground for Cr.
to Sics 1-2-11 + 12 marked with
5 notches on S, + 1 notch on
E. edges, dug pits 18 x 18 x 12
ins in each Sic 5 1/2 ft. dist
and raised a mound of
earth 2 ft. high 4 1/2 ft base
along side
Soil Soudy
Duffa holes growing from

East on a random line bet.
Sics 1 + 12 70° N. 140° 11 E.
Over valley land

T. 20 N. R. 19 E. Cont.

Chains

57.2

[Faint handwritten notes]

his

- 46.00 Set a temporary 1/4 Recor.
- 65.00 Cross Cottonwood Creek 4, chs mid. Corner S. N.
- 76.00 Cross Cottonwood Creek 4, chs mid. Corner N. N.
- 79.88 Intersect E. Boundary of T₆ 8 lks S. of Ch. ^{to sec. 1, 4, 7, + 12,} previously established by me.

Mean Sun S. 89° 57' W.
On a true line

- Let. Secs 1 + 12 with some Va
- 39.94 Set a sand stone 13x10x8 ins. 9 ins. in the ground for 1/4 Sec. raised a mound of stone along rail Ch. marked 1/4 on N. face & ^{is} ~~is~~ impracticable.
- 79.88 The Cor. of Secs. 1-2, 11 & 12 Soil 3' cat. Surface collig. *[unclear]* ^{shallow} foot

T. 20 N. R. 19 E. Crk.

hoins

North on a random line bet.
Sics. 142

Vol. $14^{\circ} 11' E.$

Over Valley land Sandy soil
3rd rate

46.00 Set a sand stone $12 \times 12 \times 9$ in
glass, in the ground for $\frac{1}{4}$ ac.
Cor. marked $\frac{1}{4}$ on W. face,
dug pits $18 \times 18 \times 12$ ins. N. & S. of
stone, & raised a mound of earth
^{5 ft. high}
 $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. long along side

47.00 From Valley turn S. E. & N. W.
and ascend gradually

80.17 Intersect 5th Standard N.
 12.30 chas. W. of Standard
Cor. to Sics. 35 & 36. T₂₁
N. R. 19 E. previously established
by me, where I set a sand
stone $20 \times 10 \times 8$ ins. ^{15 ins.} in the ground

J. 20 N. R. 19 E. Cont.

Chain

for closing Cor. to Secs 1 & 2
 marked C. C. with 1 notch on
 E, & 5 notches on N. edges
 dug pits 18x18x12 ins ^{of some} S, S. & N;
 5 1/2 ft. dia; and raised a
 mound of earth 2 ft. high
 4 1/2 ft. over along side
 surface ceiling. Soil mostly 3' at
~~grazing~~ ~~foot~~

Oct. 31 1887

I carefully examined
 the adjustments of
 my compass today,
 particularly the lati-
 tude & reversing ap-
 paratus & found
 them correct.

T. 20 N. R. 19 E. Cont.

Chains

From the Cor. to Secs 2-3-34-35
on the South Boundary of the
Township which is a
sandstone 12 x 4 ins,
properly set & marked
& with piles & mound
of earth

1 run

North bet. Secs 34 & 35

Cor. 14011 E.

4000 lbs sand stone 14 x 10 x 5 ins
10 ins. in the ground for 1/4 Sec.
Cor. marked 1/4 on N. face

T. 20 N. R. 19 E. Cont

choirs

N, E, S. of above

dry pit: $18 \times 18 \frac{1}{2}$ ins $5 \frac{1}{2}$ ft.
 dia & raised a mound
 of earth $1 \frac{1}{2}$ ft. high $3 \frac{1}{2}$ ft.
 dia along side

02.00

Dry work 20 lbs wide
 Area 77.

8000

Set a Pond Stone $17 \times 13 \times 4$ ins
for cor, 19 dia, 26, 27, 34 & 35
 10 ins. in the ground, marked
 with 1 notch on S. & 2 notches
 on E. edges. dry pit: $18 \times 18 \frac{1}{2}$
 ins. in dia dia. $5 \frac{1}{2}$ ft. dia.
 and raised a mound of
 earth 2 ft. high $4 \frac{1}{2}$ ft. dia
 along side for cor to dia
~~26 27 27 & 35~~

Suzac level
 and Dondy
 Soil 2⁵ rate. Freezing fair

T. 20 N. R. 19 E. Cont.

chain

East on a random line bet
Sics 26 + 35

Cor, $140^{\circ} 11' E.$

Over low rolling hills

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

57.10 Cross dry wash 25 lks. wide
Course S. W.

72.00 Cross dry wash 25 lks. wide
Course N. 20 W.

80.19 Intersect N. + S. line 12 lks.

N. of Cor. to Sics. 25-26 + 35 + 36

thence I run N. $89^{\circ} 55' W.$

on a true line

bet. Sics. 26 + 35 with some 80.

40.09 Set a round stone $14 \times 11 \times 4$ ins

9 ins. in the ground for $\frac{1}{4}$ Sec

Cor. marked $\frac{1}{4}$ on N. ^{face} day pits

$18 \times 18 \times 12$ ins E. + W. of stone

$5\frac{1}{2}$ ft. dist + round a mound

T. 20 N. R. 19, E. Crst.

Chairs

of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft.
bar along side

80, 19

The Cr. to Sics 26-27-34 + 35
Surface rolling & Sandy
Soil 3^d Rat. Grazing fair

N. bet. Sics. 26 + 27

Dir. $140^{\circ} 11'$ East

Ascend gradually

9.00

Enter bad lands bet. E + N.

46.00

Set a round stone $14 \times 12 \times 6$ ins
9 ins. in the ground for $\frac{1}{4}$ Sec
Cr. marked $\frac{1}{4}$ on N. face,
dug pit $18 \times 18 \times 12$ ins N. + S
of stone $5\frac{1}{2}$ ft. dish, & raised
a mound of earth $1\frac{1}{2}$ ft. high
 $3\frac{1}{2}$ ft. bar along side

T. 20 N. R. 19 E. Cont.

chains

4400 Top of ridge 80 ft. high bars
E. & N. and descend

70.00 Lean bad lands and
descend gradually

8000 Set a bond ston 15 x 12 x 5 ins
10 ins. in the ground for Cor. to
Secs. 22-23-26 & 27

Marked with 2 notches on S. & E. edges,
dug pits 18 x 18 x 12 in each Sec.

5 1/2 ft. dish & raised a mound
of earth 2 ft. high 4 1/2 feet
along side.

Surface broken

Bad lands

Soil 3' cat. Grazing fair

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

Cor. 14° 11' East

T. 20 N. R. 19 E. Cont.

Chains

Ascend over low sand hills

30.00 Enter Bad lands bet. N + S.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.70.00 Top of hills bet. N + S, and
Descend80.25 Intersect N₁ + S line 17 lks.N₁ of Cor + Sics 23-24-25 + 26Thence I run N, $89^{\circ}53' W$,

on a Franklin bar

Sics 23 + 26 with some Va.

40.12 Set a sand stone $13 \times 12 \times 8$ ins. 9 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.} N. + S. of stone $5\frac{1}{2}$ ft. dia. & raised a moundof earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft.

from along side

T. 20 N. R. 19 E. Cont

Chopin

80.25 The Cor & Sics 22-23-26-27
 Surface broken
 Bad lands, some freezing
 Soil 3' + 4' at

North bet. Sics 22 + 23

W. 140 11' East

Descend gradually

20.00 Enter Plot 4 to E. + N.

40.00 Set a sand stone 14 x 10 x 8 in.

10 in. in the ground for $\frac{1}{4}$ SecCor marked $\frac{1}{4}$ on N. face

dug pit 18 x 18 x 12 in. N. + S. of

stone ^{5 1/2 ft dist.} and found a mound

of cor 1 1/2 ft. high 3 1/2 ft

long along side

80.00 Set a sand stone 13 x 10 x 6 in.

9 in. in the ground for Cor &

Sics 14-15-22 + 23 marked

T. 20 N. R. 19 E. Cont

Chairs

with 3 notches on S and 2
notches on E. edges. dug pit
18x18x12 ins in each Sec 5 1/2
ft. dish and raised a mound
of earth 2 ft. high x 1/2 ft.
long along side
Surface broken. Soil & water
freezing poor

East on a random line bet
Secs 14 & 23

Cor. 14° 11' East

Over Valley land

40.00 Mt temporary 1/4 Sec Cor

80.08 Interest N. & S. line 5 lts

S. of Cor & Secs 13, 14, 23 & 24

thence I run S 89° 58' W.

on a true line bet

Secs 14 & 23 with some Ia.

J. 20 N. R. 19 E. Cont.

Chains

40.04 Set a sand stone $14 \times 10 \times 8$ ins
9 ins in the front 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. dist & raised a row
of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. long
along side

80.08 The Cor. to Secs. 14-15-22 & 23
Lead calling Soil 3' cat
from grazing

North beh Secs 14 & 15
Cor. $14^{\circ} 11'$ Each

Over Valley land

40.00 Set a sand stone $13 \times 10 \times 8$ ins
9 ins in the front for $\frac{1}{4}$ Sec Cor
marked $\frac{1}{4}$ on N. face, dug
pit $18 \times 18 \times 12$ ins N. & S. of stone
 $5\frac{1}{2}$ ft. dist and raised a

T. 20 N R 19 E, Cont

Chowin

80.00 Mound of earth $1\frac{1}{2}$ ft high $3\frac{1}{2}$ ft. base along side
 Set a sand stone $21 \times 17 \times 4$ ins
 15 ins. in the ground for on
 to Secs 10-11-14-15 marked
 with 4 nolets on S, & 2 nolets on E edges,
 dug pits $18 \times 18 \times 12$ ins in each
 Sec. $5\frac{1}{2}$ ft. disk and set
 a mound of earth 2 ft. high
 $4\frac{1}{2}$ ft. base along side
 Sand Valley. Soil 2^d + 3^d rate
 grazing fair

Each on a round line bet
 Secs. 11 + 14

Dr. $14^{\circ} 11'$ East

5.00 Over rolling valley land
 Enter level land

T. 20 N. R. 19 E. Cont.

Chains

46.00 Set temporary $\frac{1}{4}$ Sec Cor
 80.08 Intersect N. + S line 8 lks
 north of Cor. + Secs 11-12-13 + 14
 thence I run N. $89^{\circ}54'W$,
 on a timber, Secs
 11 + 14 with some Oa.

40.04 Set a Round Stone 20 x 10 x 8 ins
 15 ins. in the ground for $\frac{1}{4}$ Sec
 Cor, marked $\frac{1}{4}$ on N face
 dug pits pits 18 x 18 x 12 ins E,
 + W. of stone, ^{5 1/2 ft. dist.} & raised a row
 of earth 1 1/2 ft. high 3 1/2 ft.
 base along side

80.08 The Cor. to Secs 11-12-13 + 14
 Surface collig. Soil 3' rate *Guzi fan*

T. 20 N. R. 19 E. Cont

chain

N. bet. Sies. 10 + 11

Dir. 140° 11' East

Over Valley land

2290 Cottonwood Creek 350 lks
mid. Course S. W.40.00 Set a round stone 12 x 10 x 8
ins. 9 ins in the ground for
1/4 Sec. Cor marked 'H on N,
face, dug pits 18 x 18 x 12 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
over alongside

60.00 Iron Valley Sec. E + W.

80.00 Set a round stone 20 x 10 x 4
ins. 15 ins. in the ground for
Cor to Sies 2-3-10-11
marked with 5 notches on S,
+ 2 notches on E. edges

S. 20 N. R. 19. E. Cont

Chains

Any pits 18 x 18 x 12 in in each
 Sec 5 1/2 ft. dist and raised
 a mound of earth 2 ft.
 high 4 1/2 ft. bar along side
 Surface valley. Soil 3rd rat
 Grazing land

Each on a round line
 bet. Secs 2 + 11

Var 14° 11' East

Over rolling surface

13.00 Enter Valley

46.00 Let + temporary 1/4 Sec. Cr.

71.75 Leave valley bet. N. N. + S. E.

Ascend over broken country

80.06 Intersect N + S. line 8 N. S.

South of Cr to Secs 2-2-11

+ 12

Thence I run

T, 20 N. R. 19 E, Cont

Choni

S. 89° 57' W, on a trim line
bet Secs. 2 + 11 with some Va.

40.03 Set a sand stone 20 x 10 x 4 ins
15 ins. in the ground for 1/4 Sec.
Cor. marked 1/4 on N. face.
dug pit, 18 x 18 x 12 ins. E. & W.
of stone ^{5 1/2 ft. dist.} & raised a mound
of earth 1/2 ft
high 3 1/2 ft. from alongside

80.06 The Cor. to Secs 2 - 310.711.
Surface rolling soil about
spraying fens

North bet Secs. 2 + 3
W. 14° 11' Eish

Ascending gradually
25.00 Top of high rocky spur 200
ft. high bet. E. & W.

T. D. N. R. 19 E. Cont.

Chains

4000 Lora Lora Stone 20 x 10 x 4
ins. 15 ins in the ground for
1/4 Sec. Cor. marked 1/4' on
N. face, dug pits 18 x 18 x 12 ins
N. & S. of stone ^{5 1/2 ft. dist.} raised a mound
of earth ^{1 1/2 ft. high 3/4" less} along side.

80.15 Interest 5th Standard N.
12.64 Chns. N. of Standard
Cor. to Secs 34 & 35 Twp. 21
N. R. 19 E. previously estab-
lished by me. When I set a
Lora Stone 24 x 12 x 6 ins 18 ins,
in the ground for closing Cor. to
Secs 2 & 3 marked C.C. with
2 notches on E. & 4 notches on
N. Edges, dug pits 18 x 18 x 12 ins
S. E. & N. of Stone ^{5 1/2 ft. dist.} &
raised a mound of earth

T. 20 N. R. 19 E. Corch.

Chairs

2 ft. high 4 1/2 ft. long along side

Oct. 31 1887

Surface broken. Soil & a rock

No freezing

From the Cor to Sics 3-4 33 & 34
on South Boundary of Township
which is a lava stone
9 x 4 ins. properly set
& marked, & with pits
& mound of earth,

From north bet. Sics. 33-34

W. 14° 11' E. corch

3041 Cross dry road 25 lbs. wide

T. 20 N. R. 19 E. Cont

Chains

Course N.

4000

Set a round stone $13 \times 8 \times 7$ ins
 9 ins in the ground for $\frac{1}{4}$ Sec
 Cr. marked $\frac{1}{4}$ on N. face
 dug pits $18 \times 18 \times 12$ ins, N + S,
 of stone. $5\frac{1}{2}$ ft. dist., dug pits
 ~~$18 \times 18 \times 12$ ins~~ + raised a
 mound of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$
 ft. from along side

8000

Set a round stone $15 \times 12 \times 6$ ins
 10 ins. in the ground for Cr.
 & Secs 27-28-33 + 34
 marked with 3 notches on E
 & 1 notch on S. edges, dug
 pits $18 \times 18 \times 12$ ins. in each
 Sec. $5\frac{1}{2}$ ft. dist. and raised
 a mound of earth 2 ft. high
 $4\frac{1}{2}$ ft. from along side
 Surface level & sandy soil 4th grade
 Grazing zone

T. D. N. R. 19 E. Ark

Chains

Each on a random line bet.

Sics 27 + 34

Or, 14° 11' Each

30.00 Lean flat, bears N. + S.

And ascend gradually over low hills

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

80.14 Intersect N. + S line 17 lks.

N. of Cor to Sics 26-27-34 + 35 previously established by me.

Then run with same to

N. 89° 53' W. On a true line bet. Sics 27-34

40.07 Set a round stone 11 x 10 x 8 ins, 9 ins. in the front 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} + raised a mound of Earth 1 1/2 ft high 3 1/2 ft

T. 20 N. R. 19 E. Cont.

Choirin

four along side

So. 14

N. Cr & Secs 27-28-33-34

Surface rolling & Sandy
Soil + th rate. no ^{Pr} ^{mag} ^{inest}

North lat. Secs 27 & 28

Wr. 14° 11' Each

40.00

Set a sand stone 14 x 9 x 5 in

10 ins. in the pond for $\frac{1}{4}$ N. Cr marked $\frac{1}{4}$ on N face

dug pits 18 x 18 x 12 in 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. base along side

So. 00

Set a sand stone 19 x 13 x 4 in

15 ins. in the pond for Cr &

Secs, 21-22-27 & 28 marked

with 2 notches on S & 3 notches on

E edges. dug pits 18 x 18 x 12

T. 20 N. R. 19 E. Area

Chairs

ins. in each sec. $5\frac{1}{2}$ ft. dist &
 round a round of rock 2
 ft. high $4\frac{1}{2}$ ft. from alongside
 surface level & Sandy
Soil 4 d rat growing fair

East on a random line bet
 Sics 22 & 27

Dir. $140^{\circ} 11'$ East

Over Valley land

4600 Set temporary $\frac{1}{4}$ Sec. Cor.

3500 Iron Valley to N & S, and
 ascend gradually

6000 High rocky Butte 70 ft. high
 just N. of line

St 22 Interest N & S, line $\frac{1}{4}$ Sec
 N. of Cor. to Sics 22-23-26 & 27

• Thence I run N. $89^{\circ} 50'$ W,
 on a true line

T. 20. N. R. 19 E. Cont.

Chairs

40.12 beh. Secs 22 + 27^{with} Some Va.
 Sit a sand stone 15 x 12 x 6 in
 10 ins. in the ground for $\frac{1}{4}$ Sec
 Cr. marked $\frac{1}{4}$ on N. face
 dug pits 18 x 18 x 12 in E. & N.
 of stone $5\frac{1}{2}$ ft. dist and
 round a mound of dirt
 $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base
 alongside

So, 22+

The Cr to Secs 21 - 22 - 27 + 28.
 Surface broken
 Soil 3⁵ rate
 etc. Grazing.

 North beh. Secs 21 & 22

Cr. 14011' Each

40.00

Sit a sand stone 15 x 11 x 3 in
 10 ins in the ground for $\frac{1}{4}$ Sec
 Cr. marked $\frac{1}{4}$ on N. face
 dug pits 18 x 18 x 12 ins

T. D. N. R. 19 E. Cont.

Chairs

N + S of stn 5 1/2 ft. dia &
 raised a mound of earth
 1 1/2 ft. high 3 1/2 ft. broad
 along side.

79.85 Cottonwood wash 5.00 chns wide
 Corner S. W.

St. 00 Set a sand stn 16 x 14 x 8 ins
 1/2 ins. in the ground for Cor. to
 Sies 15 + 16 - 21 - 22 marks
 with 3 nolets on S, & E, edges,
 dug pits 18 x 18 x 12 ins in each
 Sic 5 1/2 ft. dia & raised a
 mound of earth 2 ft high 4 1/2
 ft. broad along side.
 Surface Moh + Sandy
 Soil 3rd Rate
 No timber

T. 20 N. R. 19 E. Cont

Chains

East on a random line bet
Sies 15 + 22

Br. $140^{\circ}11'$ East

Over valley land

Sandy Soil 3^d Kat

4000 ft a temporary $\frac{1}{4}$ Sec Cor.

65.60 Cottonwood Creek 10.50 Chus
mid-bes S. W.

79.78 ^{intersect} N. + S. line 18 kts. N. of Cor
to Sies 14-15-22 + 23

Thence I ran N. $89^{\circ}52'W$,

on a true line bet

Sies 15 + 22, with same var.

3989 ft a dead stem $14 \times 12 \times 6$ in
10 ins in the furrow for $\frac{1}{4}$ Sec Cor.
marked $\frac{1}{4}$ on N face, dry pits
 $18 \times 18 \times 12$ ins. E, S, W, of stem $5 \frac{1}{2}$ ft
dick + round a mound of
earth $4 \frac{1}{2}$ ft high $3 \frac{1}{2}$ ft base

T. 21 N. R. 19 E. Cont.

Chairs

Alongside

79.78 The Cor to Secs 15-16-21 + 22
Soil Sandy, 3rd at
Sugar-colling
Ergozing fair

North beh, Secs 15 + 16

W. 14' 11" East

Over Ditch

4000 Set a sand stone 12 x 10 x 10 in
9 ins. in the ground for 1/4 Sec
Cor. marked 1/4 on N. face
dug pit 18 x 18 x 12 ins N + S,
of stone 5 1/2 ft dia + 20 in
a mound of earth 1 1/2 ft high
3 1/2 ft. base alongside

4700 Foot of hill 25 ft. E. + N.

7850 Top of hill 25 ft high bet. E + N.

7950 Foot of hill - 25 ft. bet. E. + N.

J, 20 N. R. 19 E. Cont.

Chairs
80.00

Siba Lora stone 14x10x8 ins
10 ins in the ground for Cor to
Sics 9-10-15-16 marked
with 4 notches on S. + 3 notches on
E. edges, dug pits 18x18x12 ins
in each sic 5 1/2 ft. dist and
raised a mound of earth 2
ft. high 4 1/2 ft. base alongside
Surface rolling
Soil 3' eat
~~No grazing~~

Each on a random line bet
Sics 10 + 15

Dir. 140 11' East

7.00

Foot of hill bet N + S.

1200

Top of hill 90 ft high bet N + S.

Descend gradually

2200

Enter Adak bar N + S.

40.00

Ret temporary 1/4 Sec. Cor

T²⁰N. R., T8 E. Creek

Mains

60.00 Cross Cottonwood Creek 5.00

Chains with Cows S.

80.15 Intersect N. & S line of S¹s

S. of Cr. to lines 10-11-14 & 15

thence I run S. 89° 54' W.

on a true line bet. Secs 10 & 15

with some Va.

40.07 At a Pond Stone 14x11x7 ins

9 ins. in the ground for 1/4 Sw

Cr. marked 1/4 on N. face

dug pits 18x18x12 ins E & W

of stone 5 1/2 ft. dia and

raised a mound of earth 1/2

ft. high 3 1/2 ft. base along id

80.15 The Cr. to Secs 9-10-15 & 16

Surface level

Soil 3' Rate

Freezing poor

T. 20 n. R. 19 E. Coak.

Chairs

North cut Sec 9 & 10
 N. 14° 11' E.

Over Flat

4000

Set a sand stone $18 \times 10 \times 6$ in
 12 ins. in the ground for $\frac{1}{4}$
 Sec. Cor. marked $\frac{1}{4}$ on N. of an
 dug pit $18 \times 18 \times 12$ in 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. along side

6500

Lean flint, E & N. &

Ascend

5000

Set a sand stone $20 \times 8 \times 14$
 in 15 ins. in the ground for
 to Secs 3-4-9-10 marked
 with 5 notches on S. & 3 notches
 on E. edges. dug pit $18 \times 18 \times 12$
 in in each Sec $5\frac{1}{2}$ ft. dia
 and raised a mound of earth

T. To N. R. 19 E Cont

Chains

2 ft. high $4\frac{1}{2}$ hrs. along side
 Surface level
 Soil 3" Rot
 Grazing poor

East on a rounder limb bet
 Res. 3-10

Hr. $14^{\circ}11' E.$

Ascend gradually

8.00 Enter hills bet N. W.

29.00 Top of hill 40 ft. high bet

N. & S. & descend gradually

40.00 Set temporary 1/4 Sec Cor.

50.20 Enter bet N. & S. 17 hrs.

N. or fr C Res 2-2-10-11

Then I run N. $89^{\circ}53' W.$

on a thin limb bet Secs 3-10

with 2000 ft

T. 20 N. R. 19 E. Cont

Choir

40.10 Let a Lora Stone $13 \times 10 \times 6$ in
9 in. in the front for $\frac{1}{4}$ sec
Cor. marked $\frac{1}{4}$ on ^{N.} face
and raised a mound of
stone alongside.

It is impracticable

80.20 The Cor. to Sec. 3-4-9-10
Surface rolling
Soil 4 to 6 ft. No freezing

North bet. Secs 3 + 4
Var 14° N E.

Ascend

17.00 Enter Hills to E. & N.

40.20 Let a Sand Stone $20 \times 18 \times 5$
ins 15 in the front for $\frac{1}{4}$
sec Cor marked $\frac{1}{4}$ on N.
face and raised a mound
of stone alongside. It is impracticable

T. 20 N., R. 19 E., Creek

Chairs

80.14

Intersect 5 Standard N.,
 12, 98 Chm. west of Standard
 Co. Sec. 33 & 34

T. 21 N., R. 19 E. previously
 established by me where
 I set a Java Stone 20 x 12 x 6
 ins., 15 ins. in the ground
 for Chair Co. & Sec. 3 & 4
 marked C. C., with 3 notches
 on E. and 3 notches on N.
 edges, dug pit ^{15 x 15 x 12 ins.} S. E. & W. of
 stone, 5 1/2 ft. dist, and raised
 a mound of earth 2 ft
 high 4 1/2 ft. long along side
 Surface broken
 Soil 4 1/2 ft. N. of
 Nov. 1 1882

T. 20 N. R. 19. E. Cont

Chow

Before proceeding further I
carefully examined the
adjustments of my Compass
particularly the latitude and
reversing apparatus and
found them correct

From the Cor to Res 4-5-32-33
on the South Boundary of the
township which is a lava
stone 10 x 3 ins, properly
cut & marked, & with
pits & mound of
earth,

J. 20 N. R. 19 East

Chairs

Iron N, bet, Secs 32 & 33
 Var. 14° 11' East

15.30 Cross day north 2.50 Chas wide
 Corner S. N. and

ascend very gradually

40.00 Set a sand stone 14 x 12 x 8
 ins. 9 ins. in the ground for
 for 1/4 Sec. Cor, marked by
 on W. face day pit 18 x 18 x 12
 ins N. & S. of stone 5 1/2 ft.
 dist, and raised a mound
 of earth 1 1/2 ft. high 3 1/2 ft
 base along side

80.00 Set a sand stone 20 x 9 x 4
 ins. 15 ins. in the ground
 for Cor. & Secs 28-29-32 & 33
 Marked with 1 notch on S,
 and 4 notches on E edges
 day pit 18 x 18 x 12 ins in

J. 20 N. R. 19 E. Cont.

Drains

Each Sec 5 1/2 ft. ditch and
raised a mound of earth
2 ft. high 4 1/2 ft. toe along side
Surface flat & sandy
Soil & etc. No freezing

Cont on a random line bet. Secs.

28 & 33

Cor, 14° 11' East

46.00 Let temporary 1/4 Sec. Cor.

80.02 Intersect N & S, line 14 lks

N. of Cor. to Secs 27-28-33 & 34

Thence I run N. 89° 54' W.

on a true line bet. Secs. 28 & 33

40.01 ^{with some error} Let a pond stone 14 x 12 x 3 ins

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

Cor. marked 1/4 on N. face

dug pits 18 x 18 x 12 ins. ^{E. & W. of stone} 5 1/2

ft. dist. & raised a mound

S. To N. R. 19 E. Cont.

chain

of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base along side80.02 The Cor to sec 28-29-32-33
Surface level & Study
Soil & rate No freezingNorth bet. Sec 28 & 29
Cor. $14^{\circ} 11'$ East40.00 Set a round stone $14 \times 10 \times 4$ in
10 ins. in the ground for $\frac{1}{4}$ Sec
Cor. marked $\frac{1}{4}$ on N. face
dug pits $18 \times 18 \times 17$ in ^{N. & S. of stone} $5\frac{1}{2}$ ft
dist & raised a mound
of earth $1\frac{1}{2}$ ft high $3\frac{1}{2}$ ft
base along side80.00 Set a round stone $17 \times 14 \times 6$ in
10 ins. in the ground for Cor
to Sec. 20-21-28 & 29
Marked with 2 Notches on S.

T. 20 N. R. 19 E. Conk

Chins

and 4 notches on 2 edges
 dug pits 18 x 18 x 12 in
 in each Sec. ^{5 1/2 ft. dist.} + 2 toward
 a mound of earth 2 ft. high
 4 ft. box alongside
 Surface flat + steady
 Soil 3' Red
 Grazing poor

Each on a random line bet
 Secs 21 + 28

W. 140 11' Each

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

79.94 Interest N. + S. line 15 lks

N. of Cor. to Secs. 21-22-27 + 28

thence S. 89° 54' W.

on a line bet. Secs 21 + 28
 with some Va.

39.97 1/4 a road ston 14 x 9 x 5 in

T. 20 N. R. 19 E. Cont

Chain

9 ins. in the ground for $\frac{1}{4}$ Sec
 Cor, marked with $\frac{1}{4}$ N. on
 N. face dug pits $18 \times 18 \times 12$ in
 E. & N. of stone ^{5 1/2 ft} covered a
 mound of earth $1 \frac{1}{2}$ ft. high
 $3 \frac{1}{2}$ ft. base along side

79.94 The Cor. to Secs. 20-21-28 & 29
 Surface level & sandy
 Soil & $\frac{1}{4}$ rate. Grazing poor

North bet. Secs 20 & 21

W. 140 11' Each

37.00 Cross Cottonwood Creek 3.00

Chain, mid. Course S. N.

40.00 Set a round stone $14 \times 10 \times 7$
 ins. 9 ins. in the ground for
 $\frac{1}{4}$ Sec. Cor marked $\frac{1}{4}$ on
 N. face, dug pits $18 \times 18 \times 12$ in

T. 20 N. R. 19 E. Cont.

Acres

Mid. of str. $5\frac{1}{2}$ ft.
 dia. + voided a mound of
 earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft.
 base along side.

50.00

Set a bond str. $19 \times 11 \times 4$ in.
 4 in. in the ground for Cor to
 Secs 16-17-20-21 marked
 with 4 notches on E. and 3
 notches on S. edges, dug pits
 $18 \times 18 \times 12$ in. in each Sec $5\frac{1}{2}$
 ft. dia. + voided a mound
 of earth 2 ft. high $4\frac{1}{2}$ ft.
 base along side.
 Surface rolling. Soil + a rate
 no grazing

Each on a round line bet
 Secs 16 + 21

W. $14^{\circ} 11'$ East

40.00

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

T. 20 N. R. 19 E Cont.

Chairs

50.00 Woodbent's residence tes, S. 5.00
Chas. dict52.00 Cross Cottonwood wash 5.50 chas
wide base S.

54.00 Point of Bluff tes, N + S.

62.00 Cross Cottonwood wash 2.00
Chas. wide tes, N.79.91 Intersect N, + S line 14 lks
N. of Crs to Secs 15-16-21 + 22
Theac Sem N, $89^{\circ} 54' W$,
on a true line bet, Secs
16 + 21 with lower base39.95 Set a round stone $14 \times 9 \times 6$ ins.
9 ins. in dia from $1/4$ Sec
Crs. marked $1/4$ on N. face
dug pit $18 \times 18 \times 12$ ins E. + W of
stone ^{5 1/2 ft. dia} + bored a mound of
earth $1 1/2$ ft. high $3 1/2$ ft. diam
along side

J. D. N. R. 19 E. Cont.

79, 91 The Cor & Dies 16-17. 20 & 21
 Surface flat & sandy
 Soil 3rd Rate
 Growing fair

North bet. Secs. 16 & 17
 100' 11" 11' East

Over Valley land

3000 Leave Valley land bet. N. E.
 and ascend gradually

4000 Hit a round stone 15 x 12 x 4
 in 10' in the ground for 1/4
 Sec. Cor. marked 1/4 on N.
 face, dug pit 18 x 18 x 12 N. & S.
 of stone 5/8 ft. dist & round
 a ground of earth 1 1/2 ft.
 high 3 1/2 ft. base alongside

J. Do N. R. 19 E. Creek,

Chain

80.00 Set a round stem $14 \times 10 \times 8$ in
9 ins. in the ground for Cor to Secs
8-9-16 & 17 marked with
4 notches on E, & 4 notches
on S. Edges, dug pit $18 \times 18 \times 12$
ins in each sec. $5\frac{1}{2}$ ft. dia
and coiled a mound of
earth 2 ft. high $4\frac{1}{2}$ ft. long
along side.

Surface rolling

Soil 3° Rot

Grazing fair

Each on a round stem betw.
Secs 9 & 16

Wr. 14×11 Each

Descend gradually

22.00 Enter flat, Secs N & S.

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

J. 20 N. R. 19 E. Creek

skins
80.10

Intersect N. & S. line 12 lts.
N. of Cor. to Sics 9-10-15 & 16
Thence down N. $89^{\circ}55'$ W.
on a thin line bet Sics
9 & 16 with some lvs.

40.05

Set a round stone $12 \times 10 \times 8$ ins
9 ins. in the ground for $\frac{1}{4}$ Sec.
Cor mark $\frac{1}{4}$ on N. face,
and, beside a mound of
straw along side.

Pits impracticable

80.10

The Cor. to Sics 8-9-16 & 17
Surface level
Soil 3 Rpt.
Graying fair

North bet Sics 8 & 9
Cor. $14^{\circ}11'$ East
Ascend gradually

J. D. N. R., 19 E. Wash.

- Chrom
- 20.00 Enter bed londs. hrs E & N.
and ascend gradually
- 40.00 Let a round 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.
dug pits $18 \times 18 \times 12$ 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. broad along side
- 64.00 Top of hill 80 ft. high hrs. E & N.
and descend
- 80.00 Let a round stone $19 \times 12 \times 6$ ins
14 ins. in the ground for Cor.
to Secs. 4-5-8-9 marked
with 5 notches on S & 4 notches
on E. edges dug pit $18 \times 18 \times 12$
ins in each Sec $5\frac{1}{2}$ ft. dist
and raised a mound of
earth 2 ft high $4\frac{1}{2}$ ft broad

T. 20 N. R. 19 E. Cont.

Wains

Alongside
Surface broken Soil 4th rate
Grazing poor

East on a roundum line bet
Lines 4 & 9

Cor 14° 11' East

Descend gradually
through bad lands

15.00 Leave bad lands bet. N. & S.

40.00 bet temporary 1/4 Sec. Cor.

70.50 Foot of hills 50 ft. bet. N. & S.

80.18 Intersect N. & S. line 10 lts.

S. of Cor. to lines 3-4-9 & 10

Thence I run S. 89° 56' W.

On a true line bet.

Lines 4 & 9

40.09 bet a pond 14 x 10 x 4 lts
9 lts. in the ground for 1/4

T. 20 N. R. 19 E. Cont.

C. Choin

2

Sec. Cor. marked $\frac{1}{4}$ on N
face & coiled a mound.

4

Ston along side
Pt. impracticable80.18 The Cor. & Secs 4-5-8-9
Surface broken Soil & strata
grazing poor

North bet. Secs. 4 & 5

Var. 140° 11' East

Ascend through rough broken
bad lands.40.00 Lha sand stone 12x10x5
ins, 9 ins. in ch from $\frac{1}{4}$
Sec. Cor. marked $\frac{1}{4}$ SW N.
face dug pt. 18x18x12 in N
S. of Ston 5 $\frac{1}{2}$ ft. dia & coiled
a mound of earth 1 $\frac{1}{2}$ ft. high 3 $\frac{1}{2}$ ft. dia
along side.

T. 20 N. R. 19 E. Cont

Chasin
80.00

Interest 5th Standard N.
13.32 Chas. N. of Standard
Cor. to Secs. 32 + 33 T. 21 N.
R. 19 E. previously established
by me when I set a Lora
stone 15 x 10 x 6 ins. 10 ins.
in the ground for closing Cor. to
Secs 4 + 5 marked C. C. with
4 notches on E. + 2 notches on
N. Edges. dug pit 18 x 18 x 12
ins. S. E. + N. of stone 5 1/2 ft
dist and corner a mound
of earth 2 ft high 4 1/2 ft.
long along side
Surface broken
Bed loads, Soil 4th rate
Nov 1, 1882

S. 20 N. R. 19 E. Cont

C. Choin

2

Before proceeding further
I carefully examined the
adjustments of my Solar
Compass particularly the
latitude & reversing
apparatus and found
them correct

4

6

8

T. 20 N. R. 19. E. Cont

Chain

From the Cor. to Secs 5-6-
31 & 32 on South Boundary
of Township which is
a lava stone 7 x 6 ins,
properly set & marked
& with pits & mound
of earth,

Iron

North beh. Secs 31 & 32

Nor 140° 11' East

7.20 Cross dry wash 20 lbs. wide
Course N.

4.00 Wh a sand stone 15 x 10 x 7 ins
10 ins. in the ground for 1/4 Sec

J. Dr N. R. 19 E. Cont.

C Chius

Ar, marked $\frac{1}{4}$ on N. face,
 dug pits $18 \times 18 \times 12$ ins N. & S. of
 stone ^{$5\frac{1}{2}$ ft. dist} and raised a surround
 of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft.
 over along side.

62.00 Cross Ottomoud Wash 4, 50
 Chus. mid. Course S. 80° W.

80.00 Set a found stone $17 \times 11 \times 8$ ins
 11 ins. in the ground for Cor
 & Lies 29-30-31 & 32
 marked with 1 notch on S. and
 5 notches on E. edges, dug
 pits $18 \times 18 \times 12$ ins in each Lie.
 $5\frac{1}{2}$ ft. dist. & raised a surround
 of earth 2 ft. high $4\frac{1}{2}$ ft. over
 along side
 Surface flat & sandy
 Soil 3rd Rate
 No grazing

T. 20 N. R. 19 E. Crak.

chains

East on a random line bet

Secs. 29 + 32

Dr. $14^{\circ} 11'$ East

10.30 Enter Cottonwood wash Corner
S. H.

20 10 Leave Cottonwood wash Corner
S. H.

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

80.20 Intersect N. + S. line 15 lks
N. of Cor to Secs. 28-29-32 + 33

Hence true N. $89^{\circ} 54'$ W.

On a tran line bet

Secs 29 + 32 with some Pa

40.10 Set a round stone $12 \times 10 \times 7$ ins
9 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. dist and raised
a mound of earth $1\frac{1}{2}$ ft high

J. 20 N. R. 19 E. Cont

Chairs

3 1/2 ft. box alongside

80.20 The Cor to Dec. 29-30-31 + 32

Surface flat + sandy

Soil 3" Kato No grazing
Nov 25 1882

I carefully examined the
adjustment of my Compo
particularly the latitude +
reversing apparatus and
found them correct

Nest on a condensation
beh. Dec. 30 + 31

WN 140° 11' East

Over flat

20 00 Scan flat br. N. 20° E.

J. 20 N. R. 19 E. Cont

4000

cont ascend gradually

8330 Ret temporary 1/4 Sec. Cor

Intersect N. Boundary of
Twp. 22 lks N. of Cor & Secs
25-30-31 + 36 previously
established by me.

Thence I run N. 89° 51' E,

on a true line bet. Secs 30 + 31
with same var.

4330 Set a sand stone 13 x 11 x 5 ins

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

marked 1/4 on N. face, dug pits

18 x 18 x 12 ins. E. + N. of stone

5 1/2 ft. dist., + raised a

mound of earth 1 1/2 ft. high

3 1/2 ft. high along side

8330 The Cor. to Secs 29-30-31-32

Surface rolling

Soil 3rd Nat.

Grazing poor

Nov. 2 1882

J. D. N. R. 19 E. Cont.

Chains

2 Before proceeding further I
 4 Carefully examined the adjust-
 ments of my Solar Compass
 particularly the latitude and
~~correcting~~ apparatus and
 found them correct

6 North bet. Secs 29 & 30
 Vol. 14011⁶ East

77.00 From flat bus E & W
 and ascend gradually

40.00 Set a round stone 14 x 9 x 4
 ins, 9 ins. in the ground for
 1/4 Sec. Cor. marked 1/4 on
 N. fac., dug pit 18 x 18 x 12 ins
 N. & S. of stone 5 1/2 ft dist
 and raised a mound of earth

T. 20 N. R. 19 E. Cont.

Chairs

80.00

1 1/2 ft high 3 1/2 ft box alwaysid
 let a round stem 14 x 10 x 8 ins
 9 ins. in the ground for Cor to Secs.
 19-20 29 + 30 marked with
 2 notches on S. + 5 notches on
 E. edges. dug pits 18 x 18 x 12
 ins. in each Sec 5 1/2 ft. dist
 and raised a mound of earth
 2 ft. high 4 1/2 ft. box alwaysid.
 Surface flat + sandy
 Soil 3rd Rat
 Grazing poor

Excav on a rounder line bet
 Secs 20 + 29

For 14' 11' East

Descend gradually
 Enter flat ths N + S,

40.00 let temporary 1/4 Sec Cor

J. D. M. R. 19 E. Cont

- Chairs
73.00 Cross Coltrunna 7002h 4.50
Chairs with Chairs S.
- 80, 13 Intersect N. & S. line 20 lks
N. of Cor. to Secs 20-21-28 & 29
thence S. on N. 89° 51' W.
On a thin line bet
Secs 20 & 29 with some Va.
40, 06 Let a sand stone 10x10x8 in
bliss. in the ground for 1/4
ac Cor. marked 1/4 on N. face
dry pits 18x18x12 in S. N.
of stone 5 1/2 ft. dist and
excavated a mound of earth
1 1/2 ft high 3 1/2 ft base
along side
- 80, 13 N. Cor. to Secs 19-20-29 & 30
Surface flat & sandy
Said 3rd Rab No grazing
Frank Johnson
Nov 2 1882

T. 20 N. R. 19 E. Cont.

Name

Nest on a random line bet.
Secs. 19 & 30

Or $14^{\circ}11'$ East

Ascend gradually

1100 Foot of hills bet. N. & S.

2300 Top of hills bet. N. & S.

Over high table land

4000 Subtemporary $\frac{1}{4}$ Sec Cor

53.18 Intersect Nest Boundary of
Sp. 13 E. S. of Cor to Secs

19-24-25 & 30 previously
established by me.

Then I run $S. 89^{\circ}54' E.$

on a true line bet.

Secs 19 & 30 with corner Sta

43.18 A sand stone $12 \times 8 \times 8$ ins

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

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

face, dug pits $18 \times 18 \times 12$

T. 20 N. R. 19 E. Cont

C. Chorus

in. E. & N. of stone, and
 raised a mound of earth
 $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. over
 along side ^{$5\frac{1}{2}$ ft. dia.}

8318

The Cor. lies 19-20-29 & 30
 Surface by $1\frac{1}{2}$ in. deep $4\frac{1}{2}$ in. wide. No track
 John S. Thompson
 Nov. 25 1882

North Sec. 19 & 20

N $14^{\circ} 11'$ E each

Ascend gradually

36.00 Enter hills for E & N.

37.50 Top of hills " E & N. & descend

40.00 Let a round stone $13 \times 12 \times 8$ in
 given in the ground for $\frac{1}{4}$ Sec
 Cor. marked $\frac{1}{4}$ on N. face
 dug pits $18 \times 18 \times 12$ in N & S,
 of stone $5\frac{1}{2}$ ft. dia. and
 raised a mound of earth

J. 20 N. R. 19 E. Cont.

Chairs

1 1/2 ft. high 3 1/2 ft. base
alongside

4700 Leon hills Bas. E, & W.

8000 Set a sand stone 17 x 11 x 6 ins.
11 ins. in the ground for Cor
to Secs. 17-18-19 & 20 marked
with 5 notches on E, and 3 notches
on S, edges, dug pits 18 x 18 x 12
ins. in each Sec. 5 1/2 ft. ditch
and raised a mound of
earth 2 ft. high 4 1/2 ft. base
alongside

Surface rolling

Soil 3rd Rate

No grazing

East on a random line bet.
Secs. 17 & 20

W. 14° 11' East

T. 20 N., R. 19 E., Cont.

chains

Descend gradually
over open Barri land40.00 Let temporary $\frac{1}{4}$ Sec. Cor.

45.00 East flat, bet. N & S.

50.17 Intersect N. & S. line 17 lks
N. of Cor. to Secs. 16-17-20-21
Thence I run N. $89^{\circ}53'N$.

on a true line bet bet.

Secs. 17 & 21 with some Va.

40.08 Let a round stone $14 \times 11 \times 4$ ins.9 ins. in the ground for $\frac{1}{4}$ Sec. Cor
marked $\frac{1}{4}$ on N face depth
 $18 \times 18 \times 12$ ins. 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. from along side

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

Surface level & Study

April Hollister ^{opening fair}

Nov 25 1887

T, 20 N. R. 19 E. Cont

Kans

Went on a random line
bet Secs 18 & 19.

Cor. $14^{\circ}11'$ S 84° E

Ascend gradually

40.00 bet temporary $1/4$ Sec Cor.

45.00 Enter hills to N. & S.

50.00 Top of hills to N & S, and
over high table lands

83.08 Intersect N. Boundary of
Tp. 25 N. of cor. to Secs
7-12-13 & 18 previously
established by me

Went down N. 89°
 $49'$ E, on a true line bet
Secs 7 & 18 with some Va.

43.08 Set a sand stone $14 \times 10 \times 6$ in
q. ins. in the pond for $1/4$ Sec Cor

Cor. marked $1/4$ on N. face
day pits $18 \times 18 \times 12$ in. E & N

S, 2, N, R, 19 E, Cont

Chains
 of ston 5 1/2 ft. dist., and
 raised a mound of earth
 1 1/2 ft. high 3 1/2 ft. long, along it.
 83.08 The Cor. to Sies 17 + 18 - 19 + 20
 Surface rolling
 Soil, 3rd Rate - Grazing fair
 John Sler
 Nov. 2 1882

North wh. Sies 17 + 18
 W. 14° 11' East

Ascend gradually

11.00 Point of spur trees E, + W
 40.00 Set a pond ston 12 x 10 x 5
 in 9 in in the pond for 1/4
 ac Cor. marked 1/4 on N,
 face, dug pits 18 x 18 x 12
 in N, + S, of ston 5 1/2 x 2

J. 20 N. R. 19 E. Cont

Chairs

dig & reveal a mound of
earth 1 1/2 ft. high 3 1/2 ft
long along side

4641 Cross dry wash 25 lks mid
Corner E. and ascend

50.00 Top of hill bet E. & N.

68.50 Top of hill 40 ft. high bet E. & N.
Descent

73.00 North of hill - 45 feet to E. & N.
and ascend gradually

80.00 Put a sand stone 12x10x10
ins. 9 ins. in the front for
Car to Decs 7-8-17-18 marked
with 5 notches on E. and 4
notches on S. edges, dug pit
18x18x12 ins. in each Sec 5 1/2
ft. dig & reveal a mound of earth
2 ft. high 4 1/2 ft. long along side
Surface broken. Soil + cat.
freezing poor

S. 20 N. R. 19 E. Cont.

chains

East on a random limb bet.

Sics 8 & 17

Dist. 140.11' East

Descend gradually

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

80.19 Intersect N. & S line 15 lts

N. of Cor to Sics 8-9-16 & 17

Then I run N. $89^{\circ}54'$ W.

On a true limb bet

Sics 8 & 17 with down Va

40.09 Set a sand stn $14 \times 10 \times 8$ in

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

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

dup p'ts $18 \times 18 \times 12$ @ left side

E. & W. of stn and raised

a mound of earth $1\frac{1}{2}$ ft

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

T. 20 N. R. 19 E. Cont

chain
80.19

the Cor. to Secs. 7-8-17 & 18
 Surface rolling
 Soil 3rd rate. Some prairie
 Frank Hollman
 Nov 2nd 1882

Nest on a random line bet
 Secs 7 & 18
 20r. 14° 11' Each

Ascend

- 500 Point of spur to N & S.
 21.00 Dry wash 20 lks mid.
 Cross S. E. and ascend
 29.00 Top of hill to N & S. and
 over high table land
 40.00 Set temporary 1/4 Sec. Cor
 82.95 Intersection N. Boundary of
 Township 9 lks N. of

J. 20 N. R. 19 E. Cont

choirs

Cor. to Secs. 7-12-13 & 18
previously established by
me

China Iron N. $89^{\circ}56'E$
on a true line bet

Secs 7 & 18 with down Va

42.95 Set a sand stone $12 \times 10 \times 8$ in
9 in. in the pond for $\frac{1}{4}$ Sec
Cor. marked $\frac{1}{4}$ on N face
dug pit, $18 \times 18 \times 12$ in. E, S, W,
3/4 ft deep
of stone & raised a mound
of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft
bore along side

87.95 The Cor to Secs 7-8-17-18

Surface rolling Soil & rate

John Sler ^{no paying} Comptroller

Nov 25 1883

J. 20 N. R. 19 E. Cont

Kerim

North bet. Secs. 7 & 8
 Or 14° 11' E each

Ascend gradually

15.00 Top of hill, bet. E. & N.

29.50 Top of hills bet. E. & N.
 and over table lands

40.00 Set a sand stone 15 x 12 x 5 ins
 10 ins. in the ground for $\frac{1}{4}$ Sec
 Cor. marked $\frac{1}{4}$ on N. face,
 dug pits 18 x 18 x 12 in. N. x 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.
 broad along side.

50.00 Set a sand stone 15 x 10 x 7 ins
 10 ins in the ground for Cor. to
 Secs 5-6-7 & 8 marked with
 a notch on E. & S edges. dug
 pits 18 x 18 x 12 ins. in each

T. 20 N. R. 19 E. Cont.

Chains

See 5 1/2 ft. dist and
 raised a mound of earth
 2 ft. high 4 1/2 ft. from
 alongside

Surface rolling
 Soil 4 or 5 ^{feet} ^{deep}
 in spring fair

East on a contour line bet
 Sees 5 + 8

for 14' 11" East

Over high table land

4000 ft temporary 1/4 Sec. Cor.

59.00 From table land bet N + S,
 and descend over top lands

80.21 Intersect N + S, line 15 lks
 N. of Cor. & Sees 4-5-8-9

thence I run N. 89° 54' W.

On a true line bet Sees
 5 + 8 with some Va

J. D. N. R. 19 E. Cont.

Chain

40 12 Set a round stone 14 x 13 x 6 in
10 ins in the ground for $\frac{1}{4}$ Sec.
Cov. marked $\frac{1}{4}$ on N. for
dry pit. 18 x 18 x 12 ins E. N. of
stone $5\frac{1}{2}$ ft. dia. & raised
a mound of earth $1\frac{1}{2}$ ft.
high $3\frac{1}{2}$ ft. diam alongside

50.201

The Ch. & Secs. 5-6-7 & 8
Surface high table land. Soil 3' cat. grazing fair
Apostle Holliman

Nov 2nd 1882

Nest on a round stone bet
Secs 6 & 7

800. 14' 11" East

Over high table land

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

60.00 Trace table land bet. N. & S.

70.00 Enter Mark bet. N. & S.

82.80 Interior N. Boundary of
Township 13 bet. N. of

T. 2, N. R. 19 E. Cont

Chairs

Cor & Sec. 1-6-7 + 12
previously established by
me

Thenard on N. $89^{\circ} 54' E$,
on a true level bet. Secs

6 + 7 with down 8a

4280 At a round stone $15 \times 9 \times 5$ in
10 in. in the row for 1/4 Sec. Cor
marked 1/4 on N. face, any
pt. $18 \times 18 \times 12$ in. E. & W. of stone
 $5 \frac{1}{2}$ ft. dist + visible a
mound of earth $1 \frac{1}{2}$ ft. high
 $3 \frac{1}{2}$ ft. base elongoid.

8280 The Cor & Sec. 5-6-7 + 8
Surface broken
Soil 5' cat. Sp. in fair.

J. 20 N. R. 19 E. Cont.

train

North on a true line bet
Lines 5 & 6.

Over $14^{\circ} 11'$ East

Over high table land

10.00 Low high table land bet E & W,
and descend over bad lands

40.00 Aha sand stone $30 \times 10 \times 10$ in
in size. In the form of $\frac{1}{4}$ in
On north $\frac{1}{4}$ on N. face
and round a mound of
stone along side

Pts. impracticable

60.00 Dry rock 20 lks wide Com. W.

79.95 - 1/2 mile at the 5th standard north
of a point 136 Chs. W.

13.60 of Standard Cr. to see,
31 & 32, 5th Standard
N. R. 19 E.

N. previously established
by me,

when I set a sandstone

T. 20 N., R. 19, E

14 x 11 x 7 ins., 9 ins.
 in the ground for
 closing cor. to sec.
 5, 6, marked C, C,
 with 3 notches on E,
 & 1 notch on W. edge,
 dug pits 18 x 18 x 1 1/2 ins
 S. E. & W. of stone, 5 1/2
 ft. dist., & raised a
 mound of earth 2
 ft. high, 4 1/2 ft. base
 along side, soil ^{at}
 surface rolling,

John Plee
 Compassman
 Nov. 2, 1882,

I carefully examined
 the adjustments of

T. 20, N., R. 19. E,

my compass today,
particularly the
latitude & reversing
apparatus & found
them correct,

General Description
The surface of this town-
ship is in some portions
broken & rolling with
some high table land
and considerable
level land.

Cottonwood Creek or Wash
passes through the
township from North
East to South-west,
The soil is mostly
3rd grade, M.

87,

BOOK 359

T. 20 N., R. 19, E.,

Broadbent's residence
is on the N. E. quar-
ter of sec. 21. No
timber, grazing fair.

For final notes, see
last book (No. 17.)
of survey.

U. S. Surveyor General's Office,

TUCSON, ARIZONA,

April 19, 1883.

The foregoing Field Notes of the Survey of the

Subdivision lines of Sp.
20 North, Range 19 East

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

ted by

Frank Hollman

Deputy Surveyor, under his contract of the

29th

day of

July

, 188th, having been

critically examined and the necessary corrections and explana-
tions made, the said Field Notes and the surveys they describe
are hereby approved.



Surveyor General.