

403

BOOK 403

403

F I E L D N O T E S

OF THE SURVEY OF THE

SUBDIVISION LINES

OF

Township 21 North, Range 24 East.

Gila and Salt River Base and
Meridian,

ARIZONA.

By Frank Follman, D. S., under
Contract dated July 29, 1882.
Survey commenced Nov. 21, 1882.
Survey completed Nov. 23, 1882.

Book No. 14
Indeped
No-403
Field Notes

OF THE SURVEY OF THE **BOOK 403**

SUBDIVISION LINES

— OF —

Township *21. N.* Range *24. E.*

Gila and Salt River Base and Meridian

ARIZONA.

By *Frank Tollman* D. S.

under contract dated *July 29, 1882.*

Survey commenced *Nov. 21st, 1882.*

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No-403

Township 21. N., Range 24.

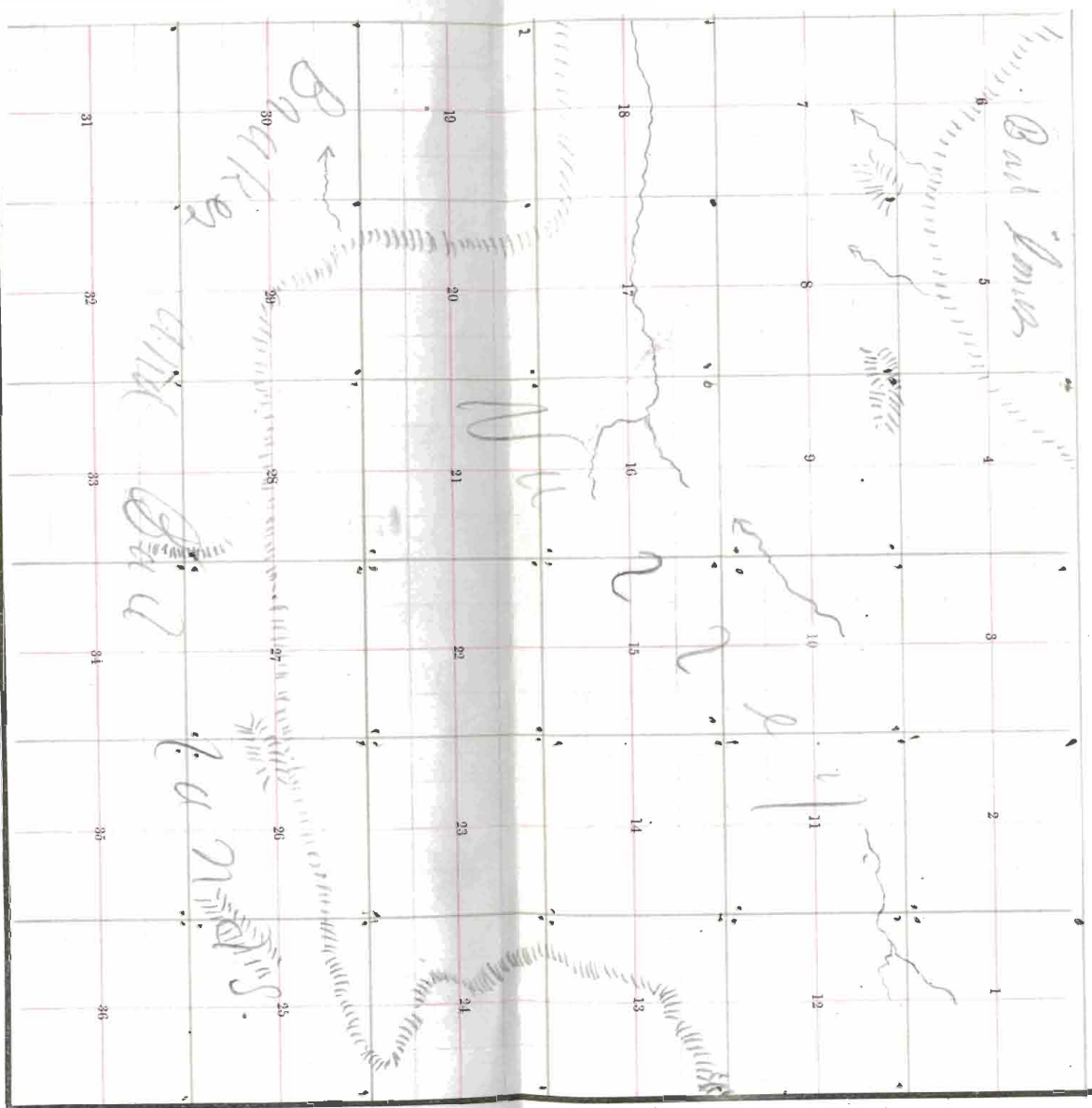
BOOK 403 Gila and Salt River Meridian.

6	91	5	66	4	50	3	34	2	17	1
90		88		65		49		32		16
7	87	8	63	9	47	10	31	11	14	12
85-41		85		62		46		30		13
18	82	17	61	16	44	15	28	14	11	15
81		79		59		43		27		10
19	78	20	58	21	42	22	26	23	8	24
76		75		57		40		24		7
30	73	29	55	28	39	27	23	26	5	25
72		70		53		37		21		4
31	69	32	52	33	36	34	20	35	2	36

Referring the lines to the pages of the field notes.

Township No. 21 N. Range No. 24 East 1/4 Sec Meridians.

BOOK 403



TOWNSHIP PLOT

Meridian Line,

Base Line,

Standard Line,

Township Lines,

Section Lines,

Meander Lines,

BOOK 403

No 403

21 N. R. 24. E.

BOOK 403

For Preliminary
oaths & list of As-
sistants, see first-
book, (No. 1.) of sur-
vey.

Begin at ^{Standard} cor. 10 sec.
35 & 36. on 5th Stan-
dard N. S. boundary
of T. ^{previously established by me} & run

N. bet. sec. 35 & 36,
Var. $14^{\circ} 38' E.$

As. pr. Burt's improved
Solar Compass
over bad lands.

40.00 Put a lava stone $18 \times$
 14×4 ins, 12 ins. in

T. 21. N. R. 24. E.

chains

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, & raised
 a mound of earth
 $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base
 along side.

8000. Put a lava stone $19 \times$
 10×4 ins, 14 ins. in
 the ground for. cor. to
 sec. 25, 26, 35 & 36,
 marked with 1 molets
 on S. & E. edges, dug
 pits $18 \times 18 \times 12$ ins. in
 each sec. $5\frac{1}{2}$ ft. dist.
 & raised a mound
 of earth 2 ft. high $4\frac{1}{2}$
 ft. base along side

T. 21. N. R. 24. E.

chains

Broken bad lands
 Soil 4th rate No timber

E. on a random line
 bet. sec. 25 & 36,

var. $14^{\circ} 38' E$,

over broken bad lands

4000 set temporary $\frac{1}{4}$ sec. cor.

1963 Intersect E. by of Sp.

19 lks N. of cor. to sec.
 25, 30, 31 & 36, previously
 established by me,

Thence I run

N. $89^{\circ} 52' W$. on true
 line bet. sec. 25 & 36,

var. $14^{\circ} 38' E$,

3981 set a sandstone 18x

10x4 ins, 12 ins, in

the ground for $\frac{1}{4}$ sec. cor.

T. 21 N. R. 24. E.

Chamiz

marked $\frac{1}{4}$ on N. face,
dug pits 18 x 18 x 12 in.
E. & W. of stow, 5 $\frac{1}{2}$ ft. dist,
& raised a mound of
earth 1 $\frac{1}{2}$ ft. high, 3 $\frac{1}{2}$
ft. base along side.

79.63 Cor. to sees. 25, 26,
35 x 36,

Broken bad lands,
Soil + a cat Notimber

N. bet. sees. 25 & 26,
Var. 14° 38' E,
over bad lands
ascend

17.00 Top of ridge 100 ft.
high, hrs. N. 40° E,
descend

40.00 out a lava stone 14 x

T. 21 N. R. 24 E.

Chains

9 x 3 ins, 9 ins. in the ground for $\frac{1}{4}$ ac. cor. marked $\frac{1}{4}$ on W. face, dug pits 18 x 18 x 12 ins, 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 side.

45,000

Enter valley hrs. E. & W. soil 2nd grade

8,000

Set a lava stone 14 x 10 x 6 ins, 9 ins. in the ground for cor. to acs. 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 ac. $5\frac{1}{2}$ ft. dist, & raised a

T. 21 N. R. 24. E.

Chains

mound of earth 2 ft.
high, $4\frac{1}{2}$ ft. base along
side.

Grazing good
Surface ~~broken~~ Soil 3' + 4' at

E. on a random line
bet. sees. 24 x 25,

Var. $14^{\circ} 38'$ E.

over rolling surface

40.00 bet Temporary $\frac{1}{4}$ sec. cor.

70.00 have valley, ascend
through bad lands

79.71 Intersect E. by of Tp.
8 lks. N. of cor. to sees.

19, 24, 25 x 30, previ-
ously established by
me

Thence I run

T. 21, N. R. 24. E.

Chains

N. $89^{\circ}54'$ W. on true
line bet. sees, 24 & 25
Var, $14^{\circ}38'$ E.

39.85 Set a lava stone 14×10
 $\times 7$ 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. & raised a mound
of earth $1\frac{1}{2}$ ft. high and
 $3\frac{1}{2}$ ft. base alongside.

79.71 Cor. to sees, 23, 24,
25 & 26.

Grazing good, 70 abs.
Surface rolling $\frac{1}{2}$ 3rd 20th

N. bet. sees, 23 & 24
Var. $14^{\circ}38'$ E.

T. 21. N. R. 24. E

Chairs

over level surface

40,000 Set a sandstone 16 x 10 x 4 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 ins, 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 side.

80,000 Set a lava stone 19 x 12 x 4 ins, 13 ins, in the ground for cor. to sec. 13, 14, 23 & 24, marked with 3 notches on S, & 1 notch on E, edges, dug pits 18 x 18 x 12 ins in each sec. $5\frac{1}{2}$ ft. dist, & raised a mound

T. 21 N. R. 24. E.

Chains

of earth 2 ft. high, $4\frac{1}{2}$
 ft. base along side.
 Grazing good
 Sugarbeet Soil 3rd rate

E on a random line
 ht. res. 13 x 14,
 Var. $14^{\circ} 38' E.$

Over rolling valley
 2.25 heavy valley, ~~low-~~
 S. E. Ascend

3.00 Ascent through bad land
 40.00 At Temporary $\frac{1}{4}$ sec. cor.
 79.70 Intersect E by of the
 19 lks. N. of cor. to res.
 13, 18, 19 x 24, previously
 established by me,
 thence I run,

N. $89^{\circ} 52' W.$ on a

T. 21 N. R. 24. E.

Chains

True line bet. sees. 13 &
24.Var. $14^{\circ}38'$ E

39,85 Set a larva stone $10 \times 8 \times 7$ ins, 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. dist. & raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base along side.

79,70 Cor. to sees. 13, 14, 23 & 24,

Surface barren bad lands.

Not timber

N. bet. sees. 13 & 14

T. 21 N. R. 24, E.

Chairs

Var. $14^{\circ}38'$ E.

Over level surface

4000

Set a lava stone $15 \times 10 \times 5$ 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. dist} & raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base alongside.

8000

Set a lava stone $17 \times 10 \times 4$ ins, 11 ins, in the ground for cor. to sec. 11, 12, 13 & 14, marked with 4 notches on S. & 1 notch on E. edges, dug pits $18 \times 18 \times 12$ ins, in each sec, $5\frac{1}{2}$ ft. dist.

T. 21. N. R. 24. E

Chains

raised a mound of earth 2 ft, high 4 1/2 ft, base alongside.

Soil 2nd grade ^{poor}
Surface level Spozm ~~thin~~

E on a random line
bet. sees. 12 & 13,

Var. 14° 38' E,

over level surface

40.00
79.82

Set temporary 1/4 sec. cor.
Intersect E by of Op-
8 lks. N. of cor. 10 sees,
7, 12, 13 & 18, previously
established by me,
Thence I run

N. 89° 57' W on 1 run
line bet. sees. 12 & 13,
Var. 14° 38' E,

T. 21 N. R. 24. E.

chains

39,91 Set a lava stone $10 \times 10 \times 6$ ins., 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. dist., & raised a mound of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base alongside.

79,82 Cor. to rees, 11, 12, 13 & 14.

Dial, 2nd Grade
 Surface level
grozing fair

N. bet. rees, 11 & 12

Var. $14^{\circ} 38' E$,

Over level surface.

4000 Set a sandstone $21 \times 10 \times 6$ ins., 15 ins., in the

T. 21 N. R. 24. E.

Chains

- 71.00 ground for $\frac{1}{4}$ ^{sec.} cor, marked $\frac{1}{4}$ on W. face, dug pits 18x18x12 ins. 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 alongside cross wash, 50 lbs wide course W.
- 80.00 Set a lava stone 17x10x6 ins, 12 ins. in the ground for cor, to sec. 1, 2, 11 & 12, marked with 5 notches on S. & 1 notch on E. edges, dug pits 18x18x12 ins in each sec $5\frac{1}{2}$ ft. dist. & raised a mound of earth 2

T. 21. N. R. 24. E.

Chains

ft. high, $4\frac{1}{2}$ ft. base
 along side.
 Soil 2nd Grade
 Grazing good
~~Surface Soil 3' rot~~

E on a random line
 bet. sec. 1 & 12,
 var. $14^{\circ}38'$ E,

Over level surface

21.00 Cross wash 50 lks. wide
 course S. W.,

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

79.80 Intersect E by of Th.
 S lks, N. of cor. to sec.

1, 6, 7 & 12, previously
 established by me.

Thence I run,

N. $89^{\circ}57'$ W. on true

T. 21. N. R. 24. E.

chains

line bet. sec. 1 & 12,
Var. $14^{\circ} 38' E$,

- 39,90 Put a lava stone $14 \times 10 \times 5$ 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; & raised a mound of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base along side
- 49,80 ~~cut to sec. 1, 6, 7, 12~~
grazing food
Surfa. level Soil 3' eat.

N. on a random line
bet. sec. 1 & 2,Var. $14^{\circ} 38' E$,

Over level surface

- 40,00 Put temporary
- $\frac{1}{4}$
- sec. cor.

T. 21. N. R. 24. E.

chains

79.70 Intersect N. by of Tr.
13, lks. W. of cor. to sees
1, 2, 35 & 36, previously
established by me.
Thence I run,

S. D. $63^{\circ} 17'$ W. on true
line bet sees, 1 & 2,

39.70 ^{with same} Put a sandstone $16 \times$
 10×5 ins, 11 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. diel. & raised
a mound of earth
 $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft.
base along side.

79.70 Cor. to sees 1, 2, 11, & 12.
Grazing Wood.
Surface level
Soil 8' cat

T. 20 N. R. 24. E.

chains

Frank Fallman
Nov. 21, 1882,

I carefully examine
the adjustments of
my instrument today
especially the latitude
and reversing appa-
ratus, & find them
correct.

T. 21, N. R. 24, E.

hairs

I now return to the ~~stand~~
 cor. to sec. 34 & 35, on
 5th Standard N., the
 S. by of Th. previously
 established by me,
 and run

N. bet. sec. 34 & 35
 (var. $14^{\circ} 38' E$,

Over barren bad lands

4000 Sit lava stone $17 \times 10 \times$
 4 ins., 11 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. base
 along side.

T. 21. N. R. 24. E.

chains

8000 Set a lava stone $12 \times 10 \times 4$ ins, 8 ins, in the ground for cor. to aces 26, 27, 34 & 35, marked with - 1 notch on S. & 2 notches on E. edges, dug pits $18 \times 18 \times 12$ ins, in each ace, $5\frac{1}{2}$ ft. dist. & raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base alongside

Bad Lands
 Surface broken Soil & a rot

E. on a random line bet. aces. 26 & 35

Var. $14^{\circ} 38' E$

over broken bad lands

4000 Pit temporary $\frac{1}{4}$ ace. cor.

T. 20 N. R. 24. E.

Chairs

79.75 Intersect - N. & S. line
 12 lks N. of cor. to secs.
 25, 26, 35 & 36,
 Thence I run
 N. $89^{\circ}55'W$, on true line
 bet. secs. 26 & 35,
 Var. $140^{\circ}38'E$,

39.87 Set a lava stone 14×9
 $\times 6$ 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. & raised mound
 of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$
 ft. base along side

79.75 Cor. to secs. 26, 27, 34 & 35,
 Barren bad lands
 Surface broken. Soil & rats

T. 26 N. R. 24. E.

chains

N. bet. sec. 26 & 27.

Var. $14^{\circ} 38' E$,

Over broken bad lands

Ascending

30.20 Top of ridge 120 ft. high
bet. N.E. & S.W.

40.00 Dit a lava stone $17 \times$
 13×4 ins, 11 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.
dist. & raised a mound
of earth $1\frac{1}{2}$ ft. high,
 $3\frac{1}{2}$ ft. base alongside

41.00 Enter valley, bet. N.E.
and S.W.

80.00 Dit a lava rock $20 \times$
 13×4 ins, 15 ins, in the

T. 21, N., R. 24, E.

chains

ground for cor. to sec,
22, 23, 26 & 27,
marked with 2 molches
on S. & E. edges, dug
pits 18x18x12 ins. in
each sec, 5½ ft. dist,
& raised a mound
of earth 2 ft. high 4½
ft. base along side
grazing good, 39 chs.
Duffal broken soil & a prod. mostly

E. on a random line
bet. sec, 23 & 26.

Var. 14° 38' E.

Over level surface

4000

Dist. temp. ¼ sec. cor.

79,80

Intersect N. & S. line
6 chs south of cor. to

T. 21. N. R. 24 E.

chains

rees, 23, 24, 25 & 26,
Thence I run
S 89° 57' W, on run
line bet rees, 23 & 26,
Var, 14° 38' E,

39,90

Set a lava stone 17 x
10 x 4 ins, 11 ins. in
the ground for $\frac{1}{4}$ sec, cor.
marked $\frac{1}{4}$ on N. face,
dug pits 18 x 18 x 12 ins,
E & W. 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 alongside
cor. to rees, 22, 23,
26 & 27.

79,80

Grazing good
Surface level soil 35 grade

T. 21. N. R. 24. E.

chains

N. bet. sees, 22 & 23,
var, $14^{\circ} 38' E.$

Over level valley

4000 Set a lava stone $20 \times$
 10×4 ins, 15 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
 $5\frac{1}{3}$ ft. dist. & raised
a mound of earth
 $1\frac{1}{2}$ ft. high, $3\frac{1}{3}$ ft. base
alongside.8000 Set a sandstone $12 \times$
 10×6 ins, 8 ins, in
the ground for cor.
to sees, 14, 15, 22, & 23,
marked with 3 notches
on S. & 2 notches on E.

T. 21, N. R. 24, E.

chains

edges, dug pits $18 \times 18 \times 12$
ins. in each sec, $5\frac{1}{2}$
ft. dist. & raised a
mound of earths 2 ft.
high, $4\frac{1}{2}$ ft. base
alongside

Soil 2nd grade

Surface level

Grozing fair

E. on a random line
bet. sec. 14 & 23,
Var. $14^{\circ} 38' E$,

Overralling surface

40.00 Det temporary $\frac{1}{4}$ sec. cor.
79.68 Inverse N. & S. line
17 lks N. of cor. to sec.
13, 14, 23 & 24,
thence I run

T. 21. N. R. 24. E.

chains

N. $89^{\circ} 53' 7''$ on true
line bet. sees, 14 & 23,
Var. $14^{\circ} 38' E$,

39,84

Set a sandstone $14 \times 8 \times$
 8 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. & raised mound
of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$
ft. base along side

79,68

Cor. to sees, 14, 15, 22
& 23,

Surface railing
Spangif Soil 3 Rate

N. bet. sees, 14 & 15
Var. $14^{\circ} 38' E$,

40,00

Set a sandstone $16 \times$

T. 21, N. R. 24. E.

chains

12×10 ins, 11 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. dist, & raised a mound of earth $1\frac{1}{2}$ ft, $3\frac{1}{2}$ ft. base along side,

8000 Set a lava stone $17 \times 18 \times 6$ ins, 11 ins, in the ground for cor. to sec. 10, 11, 14 & 15, marked with 4 notches on S. & 2 notches on E. edges, dug pits $18 \times 18 \times 12$ ins, in each sec, $5\frac{1}{2}$ ft. dist, & raised a mound of earth 2

T. 21 N., R. 24. E.,

chains

ft. high, $4\frac{1}{2}$ ft. base
 along side,
 Surface ^{colling}
 Sub ^{to} ^{from} no pins

E. on a random line
 bet. sees, 11 & 14,
 var, $14^{\circ} 38' E.$

over level surface

4000 Bet Temp. $\frac{1}{4}$ sec. cor.
 7964 Intersect - N. & S. line
 18 lks. N. of cor. to sees,
 11, 12, 13 & 14.

thence I run

$N 89^{\circ} 52' E.$ on true
 line bet. sees, 11 & 14

var, $14^{\circ} 38' E.$

3982 Det a lava stone $16 \times$
 12×4 ins., 9 ins. in the
 ground for $\frac{1}{4}$ sec. cor.

T. 21, N., R. 24. E

chains

marked $\frac{1}{4}$ on N. face,
dug pits 18x18x12 ins,
E. & W. 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 side
cor. to sees 10, 11, 14
& 15,

79,64

Soil 2nd rate
Grazing Good
Surface Soil

N. bet. sees. 10 & 11
Over level surface

4000

Set a lava stone 12
x 10 x 6 ins, 8 ins. in
the ground for $\frac{1}{4}$ cor.
cor. marked $\frac{1}{4}$ on
N. face, dug pits 18x18

T. 21, N. R. 24, E.

chains

x 12 ins, 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
 alongside.

Soos

Set a lava stone $16 \times$
 13×8 ins, 11 ins, in the
 ground for cor. to sees.
 2, 3, 10, & 11, marked
 with 5 notches on S,
 & 2 notches on E. edges,
 dug pits $18 \times 18 \times 12$ ins.
 in each see, $5\frac{1}{2}$ ft.
 dist, & raised a
 mound of earth 2
 ft. high $4\frac{1}{2}$ ft. base
 alongside

Grazing Good
 Sump ~~level~~ Soil 3^d rate

T. 21, N. R. 24, E.

Chains

E. on a random line
bet. sees. 2 & 11,

Var. $14^{\circ} 38' E$,

over level surface

4000
7968

Set temporary $\frac{1}{4}$ sec. cor.
Intersect N. & S. line
& lks. S. of cor. to sees.

1, 2, 11 & 12,

Thence I run

$S 89^{\circ} 57' W$. on true
line bet. sees. 2 & 11,

Var. $14^{\circ} 38' E$,

3984

Set a sandstone $17 \times$
 19×8 ins, 11 ins. in
the ground for $\frac{1}{4}$ sec
cor. marked $\frac{1}{4}$ on N.
face, dug pits 18×18
 $\times 12$ ins. E. & W. of stone
 $5\frac{1}{2}$ ft. dist. & raised

T. 21, N. R. 24, E.

chains

a mound of earth
15 ft. high, 35 ft. base
alongside.

7968 Cor. to aces, 2, 3, 10 &

"
Surface ralling.
Graying fir. Soil 3' red

N, on a random line
bet. aces, 2 & 3,

Var, $14^{\circ} 38' E$,

Over ralling surface
Ascent gradual

40.00 Out temporary $\frac{1}{4}$ sec, cor,

80.15 Intersect - N by of Op.
17 aks, E, of cor. to aces,

2, 3, 34 & 35,

Thence I run

S, $0^{\circ} 7' E$, on 1 mile
line bet. aces, 2 & 3,

T. 21, N. R. 24, E.

Chains

40, 15 Set a sandstone 16 x
10 x 5 ins. 11 ins. in the
ground for $\frac{1}{4}$ sec. cor,
marked $\frac{1}{4}$ on N. face,
dug pits 18 x 18 x 12
ins. 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
alongside.

80, 15 Cor. to sec. 2, 3, 10 x 11.
Grazing good.
Surface rolling; Soil 3rd rate

John Slep,
Compassman

Nov. 21st 1882,

T. 21, N. R. 24, E.

hairs

I now return to the ~~land~~
 cor. to sec. 33 & 34, on
 5th Standard N. the
 S. By of. Tr., previously
 established by me,
 & run

N. bet. sec. 33 & 34

var, $14^{\circ} 38' E$,

Ascend gradually

4000

Get a sandstone $13 \times$
 8×7 ins, 8 ins, in the
 ground for $\frac{1}{4}$ sec. cor.
 marked $\frac{1}{4}$ on N. face,
 dug pits $18 \times 18 \times 12$ ins,
 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 side

8000

Get a sandstone $15 \times 10 \times 5$ ins,

T. 21, N. R. 24, E.

Chains,

10 ins. in the ground
for cor. to res. 27, 28,
33 & 34, marked with
1 notch on S, and 3
notches on E, edges,
dug pits 18 x 18 x 12 ins.
in each res. 5 1/2 ft.
dist. & raised a
mound of earth 2
ft. high, 4 1/2 ft. base
alongside

Surface railing
growing fair soil 3' tall

E. on a random line
bet. res. 27 & 34,
Var. 14° 38' E,
descend over broken
hills.

T. 21, N. R. 24, E.

chains

- 4000 Put temporarily $\frac{1}{4}$ sec. cor.
 79,62 Intersect - N. W. S. line 8
 lks. N. of cor. to sec.
 26, 27, 34 & 35,
 Thence I run
 N. $89^{\circ} 57'$ W. on true
 line bet sec. 27 & 34, with
 39,81 ~~same~~ Put a sandstone 16×10
 $\times 9$ 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., & raised a mound
 of earth $1\frac{1}{2}$ ft, high $3\frac{1}{2}$
 ft, base along side
 79,62 cor. to sec. 27, 28,
 33 & 34
 Doil 4th grade
 No freezing Surface lilly

T. 21, N., R. 24. E.

chains.

N. bet. res. 27 & 28,

var. $14^{\circ} 38' E$.

Ascend Gradually

1000 Top of mesa, 30 ft. high,
' brs. E. & W. descend.3960 Edge of mesa, brs. N. 80°
E, & descend abruptly,4000 Det. a sandstone $15 \times$
 10×8 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.
dist. & raised a mound
of earth $1\frac{1}{2}$ ft. high,
 $3\frac{1}{2}$ ft. base along side5300 Foot of descent, 200
ft. deep brs. N. 80° E,
Entire valley

T. 21, N., R. 24, E.

chains

8000 Set a sandstone 10 x
9 x 8 ins, 6 ins, in the
ground for cor. to sec.
21, 22, 27 & 28, marked
with 2 notches on S. &
3 notches on E. edges,
dug pits 18 x 18 x 12 ins,
in each sec, 5 1/2 ft.
dist. & raised a mound
of earth 2 ft. high 4 1/2
ft base, alongside,
Surface yellow. Soil 3' grade
grazing fair

E. on random line bet.
sec. 22 & 27,

Var, 14° 38' E,

Ascend gradually

4000 Set Temporary 1/4 sec. cor.
7960 Intersect N. & S. line

T. 21, N. R. 24, E.

chains

13 lks. S. of cor. to res.
22, 23, 26 & 27,

Thence I run

S. $89^{\circ} 54' N.$ on true

line bet res. 22 & 27, with

39.80

~~corner~~ Set a sandstone $17 \times$
 12×10 ins, 11 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. & raised a mound
of earth $1 \frac{1}{2}$ ft. high $3 \frac{1}{2}$
ft. base along side

79.60

cor. to res. 21, 22, 27 & 28,

Soil 1" grade

Grazing Good
Surface rolling

T. 21. N. R. 24. E.

chains

N. bet. sec. 21 & 22,

Var. $14^{\circ} 38' E$,over, rolling surface
gradual descent

4000

Set a sandstone $20 \times 8 \times 6$ ins, 15 ins, in the ground for $\frac{1}{4}$ ^{mi} 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. &raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base along side

8000

Set a sandstone $17 \times 10 \times 6$ ins, 11 ins, in the ground for cor. to sec. 15, 16, 21, & 22, marked with 3 notches on S. & E. edges, dug pits $18 \times$

43,

BOOK 403

T. 27. N. R. 24. E.

Chairs

18 x 12 ins, in each sec.
 5½ ft. dist, & raised a
 mound of earth 2 ft.
 high, 4½ ft. base along-
 side.

Grazing Good
 Surface rolls. Soil 2' & 3' cat

E. on a random line
 bet. secs. 15 & 22,
 var, 14° 38' E.

Our level surface

40,000 Det temporary ¼ sec. cor.
 79,62 Intersect N & S. line
 16 lks. N. of cor. to secs.
 14, 15, 22 & 23,

Thence I run

N, 89° 53' W. on true
 line bet. secs. 16 & 22

T. 21 N. R. 24. E.

Chands

with same var.

39,81 Cut a sandstone $15 \times 10 \times 8$ 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. E. & W. 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 side,

79.62 Cor. to sec. 15, 16, 21 & 22,
Grazing Good
Superior soil 3' cat

N. bet. sec. 15 & 16,

var. $14^{\circ} 38' E$,

Over rolling surface

40,000 Cut a sandstone $12 \times 8 \times 8$ ins. 8 ins. in the

T. 21, N. R. 24, E.

Chains

ground for $\frac{1}{4}$ sec. cor.
 marked $\frac{1}{4}$ on N. face,
 dug pits $18 \times 18 \times 14$ ins,
 N & S. of stone, $3\frac{1}{2}$ ft. dist,
 & raised a mound of
 earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$
 ft. base along side

8000

Set a sandstone $16 \times$
 10×4 ins, 11 ins. in the
 ground for cor. to sec.
 9, 10, 15 & 16, marked
 with 4 notches on S,
 & 3 notches on E. edges,
 dug pits $18 \times 18 \times 14$
 ins, in each sec, $3\frac{1}{2}$
 ft. dist, & raised a
 mound of earth 2
 ft. high, $4\frac{1}{2}$ ft. base
 along side.

T. 21. N. R. 24. E.

Chairs

Surface rolling
Grazing Good
Soil 3' f. d. s.

E. on random line
bet. res. 10 & 15,
Var, 14° 38' E,

Ascend gradually
4000 Det temporary $\frac{1}{4}$ sec. cor.

79,55

Intersect N & S. line
13 lks. N. of cor. to res.
10, 11, 14 & 15,

Thence I run
N, 89° 54' W. on True
line bet. res. 10 & 15

39,77

Det a sandstone 18x
10x8 ins, 12 ins. in
the ground for $\frac{1}{4}$ sec.
cor. marked 4 on N.
face, dug pits 18x18x12

T. 21, N. R. 24 E,

chains,

ins, E. & W. of stow, $5\frac{1}{2}$
ft. dist; & raised a
mound of earth $1\frac{1}{2}$
ft. high, $3\frac{1}{2}$ ft. base
alongside.

79.55 Cor. to sees. 9, 10, 15 & 16.

Soil 1st Grade

Grazing good

Surface rolling

N. bet. sees. 9 & 10.

Var. $14^{\circ} 38' E$

over level surface

17.00 Cross wash, 40 lks. wide

course S. 20° W.

4000 Bit a sandstone 17x

20x10 ins, 11 ins. in
the ground for $\frac{1}{4}$ sec,
cor. marked $\frac{1}{4}$ on

T, 21, N. R, 24, E.

Chairs

W. face, dug pits $18 \times 18 \times 12$ ins, 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 side

80.06

Put a lava stone $16 \times 10 \times 6$ ins, 11 ins, in the ground for cor. to obs. 3, 4, 9 & 10, marked with 5 notches on S, & 3 notches on E edges, dug pits $15 \times 18 \times 12$ ins, each one, $5\frac{1}{2}$ ft. dist. & raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base along side

Grazing Good
Surface rolling Soil 2nd Grade

T. 21, N. R. 24, E.

chains

E. on a random line
bet. sec. 3 & 10,Var. $14^{\circ} 38' E.$

Over level surface

40.00

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

79.80

Intersect N. & S. line
8 lks. S. of cor. to sec.

2, 3, 10 & 11,

Thence I run

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

line bet. sec. 3 & 10, into

39.90

Set a sandstone $12 \times$
 10×8 ins, 8 ins. in theground 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. dia. & raised

a mound of earth

T. 21. N. R. 24. E.

Chains

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

79.80 Cor. to res 3, 4, 9, 10,

Straying 9000
Surface level 2' + 3' from

N. on a random
line bet. res. 3 & 4,
var. $14^{\circ} 38' E$,

over level surface

40.00 set temporary $\frac{1}{4}$ sec. cor.

80.10 Intersect - N. Pk of
Sp. 12 lks. N. of Cor. to

res. 3, 4, 33, & 34 ^{previously}
~~established by~~ ~~run~~

S. $0^{\circ} 5' W$. on true
line bet. res. 3 & 4

var. $14^{\circ} 38' E$,

40.10 set a sandstone
 $18 \times 12 \times 10$ ins, 12 ins,

T. 21, N. R. 24, E.

Chains

in the ground for $\frac{1}{4}$
 sec. cor. marked $\frac{1}{4}$ on
 W. face, dug pits $18 \times$
 18×12 ins. N. & S. of stone
 $5\frac{1}{2}$ ft. dist. & raised
 mound of earth $1\frac{1}{2}$ ft. high
 $3\frac{1}{2}$ ft. base along side.

80, 10

Cor. to reg. 3, 4, 9 & 10,
^{Surface level}
 Wazing Level
 Frank Fullmer ^{Soil 5' grade}
 Nov. 22, 1882,

I carefully examine
 the adjustment of my
 compass today, especially
 the latitude & reversing
 apparatus, & find
 them correct.

T. 21, N. R. 24, E.

chains

Standard

I now return to the
 cor. to sec. 32 & 33,
 on 5th Standard N,
 the S. by of T_p. previ-
 ously established by me,
 and run

N. bet. sec. 32 & 33
 var. $14^{\circ} 38' E$,

over rough broken
 bad lands,

Gradual descent.

40000 Set a mica stone 17
 x 12 x 10 ins., 11 ins. in
 the ground for $\frac{1}{4}$ sec,
 cor. marked $\frac{1}{4}$ on N,
 face, dug pits 18 x 18 x
 12 ins., N. & S of stone
 $3\frac{1}{2}$ ft. dist., & raised
 mound of earth $1\frac{1}{2}$

T. 21, N. R. 24, E.

Chains,

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

8070 Set a sandstone 16 x
10 x 4 ins. 9 ins. in the
ground for cor. to sec.
28, 29 32 & 33. marked
with 1 notch on S. &
4 notches on E. edges,
dug pits 18 x 18 x 12 ins.
in each sec. $5\frac{1}{2}$ ft.
dial. & raised a
mound of earth 2
ft. high, $4\frac{1}{2}$ ft. base
along side.

Surface broken
bad lands.
Growing fair

E. on a random line
bet. sec. 28, & 33,

T. 21. N. R. 24. E.

chain

Var. $14^{\circ} 38' E$

Ascend over broken surface

1000 Top of mesa 30 ft. high,
trs. $N 10^{\circ} E$,16,36 Det temporary $\frac{1}{4}$ sec. cor.
leaves mesa, trs. $N. \& S.$,
descend over broken
surface19,72 Intersect $N. \& S.$ line
16 lks. $N.$ of cor. to sec.
27, 28, 33 & 34,

Thence I run

 $N. 89^{\circ} 53' W.$ on true
line bet. sec. 28 & 33, ~~with~~19,86 Det a sandstone $16 \times$
 10×8 ins., 11 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.

T. 21, N. R. 24, E.

chains

E. & W. of stone $3\frac{1}{2}$ ft.
 dist., & raised a mound
 of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$
 ft. base alongside

79.72

cor. to res. 28, 29, 32,
 & 33.

Surface broken.
 See 4th rat. Grazing prov

N. bet. res. 28 & 29,
 var. $140^{\circ} 38' E$.

very broken bad land
 Gradual descent

40.00

Set a sandstone 11
 $\times 10 \times 9$ ins, 6 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

T. 21, N. R. 24, E.

hairs

$5\frac{1}{2}$ ft, dist. & raised
a mound of earth $1\frac{1}{2}$
ft, high, $3\frac{1}{2}$ ft, base
longside.

13,00 have bad lands, brs,
E & W,

0000 Set a sandstone $16 \times$
 11×5 ins, 11 ins, in
the ground for cor. to
res. 20, 21, 28, & 29,
marked with 2 notches
on S. & 4 notches on
E. edges, dug pits $18 \times$
 18×12 ins, in each
res. $5\frac{1}{2}$ ft, dist. & raised
a mound of earth
2 ft, high $4\frac{1}{2}$ ft, base
longside.
Soil 40 ft grade. Surface broken
no grazing

T. 21, N. R. 24, E

Chains,

E. on a random line
bet. sec. 21 & 28var. $14^{\circ} 38' E$,

ascend over rolling surface

4000 Det temporary $\frac{1}{4}$ sec. cor.

7980 Intersect N. & S. line

12 lks. N. of cor. to sec.

21, 22, 27, & 28, "

thence I run

N. $89^{\circ} 55' W$. on true
line bet. sec. 21 & 28,var. $14^{\circ} 38' E$,

3990 Det a sandstone 18x

10x8 ins, 12 ins, in
the ground for $\frac{1}{4}$ sec.cor. marked $\frac{1}{4}$ onN. face, dug pits 18x
18x12 ins, E. & W. of
stone, $5\frac{1}{2}$ ft. dist. &

T. 21, N. R. 24, E.

chairs

79.80

raised a mound
of earth $1\frac{1}{2}$ ft. high,
 $3\frac{1}{2}$ ft. base along side.
Cor. to sec. 20, 21,
28 & 29.

Dial 2nd Grade
Surface rolling Grazing fair

N. bet. sec. 20 & 21,

Var. $14^{\circ} 38' E$.

Over rolling surface
Gradual descent.

1000

Set a sandstone $18 \times$
 10×8 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,
N. & S. of stone, $5\frac{1}{2}$ ft.
dist; & raised a mound

59.

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T. 21, N. R. 24, E.

chains

8000

of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base along side
 Det a sandstone $20 \times 20 \times 12$ ins., 15 ins. in
 the ground for cor. to
 res. 16, 17, 20×21 ,
 marked with 3 notches
 on S. & 4 notches on E,
 edges, dug pits 18×18
 $\times 12$ ins. in each res.
 $5\frac{1}{2}$ ft. dist. & raised
 a mound of earth 2
 ft. high $4\frac{1}{2}$ ft. base
 along side.

Surface rolling. Some pitting
 Soil 3' cat

E. on a random line
 bet. res. 16 & 21,
 var. $14^{\circ} 38' E$

T. 21, N. R. 24, E,

chains

over level surface
 4000 Det temporary $\frac{1}{4}$ ac. cor.
 79.80 Intersect N. & S. line
 12 lks. S. of cor. to res.
 15, 16, 21, & 22.

Thence I run
 $S. 89^{\circ} 55' W.$ on true
 line bet. res. 16 & 21, with
 39,90 ~~agreed~~ a sandstone 16×10
 $\times 8$ ins, 9 ins. in the
 ground for $\frac{1}{4}$ ac. cor.
 marked $\frac{1}{4}$ on N. face,
 dug pits $18 \times 18 \times 12$ in,
 E. & W. 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 alongside
 79.80 Cor. to res. 16, 17, 20 & 21
 Grazing Good
 Surface level soil 35 cats

T. 21, N. R. 24. E.

chains

N. bet. sec. 16 & 17,

Var. $14^{\circ} 38' E$.

Ovr level surface

40.00

Set a sandstone $16 \times 10 \times 8$ ins, 11 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; & raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base along side.

33.00

Cross wash 2 chs. wide
Course N.

80.00

Set a sandstone $17 \times 12 \times 10$ ins, 11 ins. in the ground for cor. to sec. 8, 9, 16 & 17

T. 21, N. R. 24, E.

chains

marked with 4 notches
on S. & E. edges, dug
pits 18x18x12 ins, in
each cor, 5½ ft. dist.
& raised a mound of
earth 2 ft. high 4½
ft. base along side.

Soil 1st Grade
Surface level & rolling
grozing ford

6, on a random line
bet. ccs, 9 & 16,
Var, 14° 38' E,

Over rolling surface.

10.00 Det Temporary ¼ cor, cor,

19.65 Intersect - N. & S. line

13 lks. N. of cor. to ccs.

9, 10, 15, & 16.

Thence I run

T. 21, N. R. 24, E.

chains

- 39.82 N. $89^{\circ}54'$ W. on a true
line bet. res. 9 & 16, with ~~line~~
Set a sandstone $11 \times$
 9×8 ins. 6 ins. in the
ground for $\frac{1}{4}$ 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; & raised a mound
of earth $1\frac{1}{2}$ ft. high,
 $3\frac{1}{2}$ ft. base along side
- 79.65 Cor. to res. 8, 9, 16 & 17,
Soil 4th grade
Grazing Good
Surface rolling

N. bet. res. 8 & 9.
Var. $14^{\circ}38'$ E.
over rolling surface

T. 21. N. R. 24. E.

chains

4000 Set a sandstone 12 x
 10 x 8 ins, 8 ins, in the
 ground for $\frac{1}{4}$ sec. cor.
 marked $\frac{1}{4}$ on N. face,
 dug pits 18 x 18 x 12 ins,
 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 side.

74,60 Top of ridge, 40 ft. high,
 br: E. & W.

Miscellaneous.

8000 Set a sandstone 15 x
 10 x 8 ins, 10 ins, in
 the ground for cor. to
 sec. 4, 5, 8 & 9, marked
 with 5 notches on S,
 & 4 notches on E. edges
 dug pits 18 x 18 x 12 ins.

65

BOOK 403

T. 21, N. R. 24, E.

c. chains

in each sec. $5\frac{1}{2}$ ft.
 dist. & raised a mound
 of earths 2 ft. high
 $4\frac{1}{2}$ ft. base along side
 Soil 1st grade
 Grazing Good
 Surface rolling

E. on a random line
 bet. secs. 4 & 9,
 Var. $14^{\circ} 38' E$

Over rafting surface

4000 Set temporary $\frac{1}{4}$ sec. cor.

79.70 Intersect N. & S. line
 16 lks. S. of cor. to secs

3, 4, 9 & 10.

Thence I run

S. $89^{\circ} 53' W$. on 1st line
 line bet. secs. 4 & 9, with

39.85 Set a sandstone 13x10

T. 21, N. R. 24, E.

chairs

8 ins, 8 ins, in the
ground for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on N. face,
dug pits 18x18x12 ins.
E. & W. 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 alongside.

7970

cor. to res. 4, 5, 8, 8, 9.

Soil 1st Grade

Grazing Good

Surface Rolling

N. on a random line
bet, res. 4 & 5,

Var. $14^{\circ} 38' E.$

descend gradually

2475

low depression 20 ft.

deep, hrs, N, $43^{\circ} E.$

ascend gradually

T. 21 N., R. 24, E.

Chains

- 40,000 Cut temporary $\frac{1}{4}$ sec. cor
ascend through bad
lands.
- 80,155 Intersect N. by of Ph.
14 lks. E. of cor. to sec.
by ~~4, 5, 32 & 33~~ ^{primary} ~~slightly~~ ~~established~~
Thence I run
S. $0^{\circ} 6' E$, on true line
bet sec. 4 & 5,
Var, $14^{\circ} 38' E$,
- 40,165 Cut a sandstone $18 \times$
 17×16 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, 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

T. 21, N. R. 24. E.

chains

alongside

80, 15 Cor. to sec. 4, 5, 8, & 9.

Surface welling
Soil 3/4 rot. Graying fair

John Sley,
Compassman

Nov. 29th 1882,

T. 21, N. R. 24, E.

chains

I now return to cor.
to recs. 31 & 32 on the
5th S standard ^{cor} N., the
S. by of T., previously
established by me
and run

N, bet. recs, 31 & 32
var, $14^{\circ} 38' E$,

discovered over broken
hills.

4000

Set a sandstone 10
 $\times 9 \times 8$ ins, 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, 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

T. 20 N. R. 24. E.

Chairs

8000
 along side;
 Put a sandstone 15
 x 6 x 7 ins, 10 ins, in
 the ground for cor,
 10 acs, 29, 30, 31 & 32
 marked with 1 notch
 on S. & 5 notches on E,
 edges, dug pits 18 x 18
 x 14 ins, in each ac,
 5 1/2 ft. dist, & raised
 a mound of earth
 2 ft. high, 4 1/2 ft. base
 along side.

Soil 4" Grade
 surface broken. Grazing fair

E on a random line
 bet acs, 29 & 32,
 var, 14° 38' E

T. 21 N., R. 24 E.,

Chains

- Over Broken surface
- 40.00 Set temporary $\frac{1}{4}$ sec. cor.
- 79.90 Intersect N.T.S. line
15 lbs. N. of cor. to sees
28, 29, 32 + 33.
- Thence I run
N. $89^{\circ} 54' W.$ on true
line bet. sees. 29 + 32 with
39.95 ~~same wa~~ set a sandstone $16 \times$
 10×9 ins., 11 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 0/one, $5\frac{1}{2}$ ft. dist.
& raised a mound
of earth $1\frac{1}{2}$ ft. high,
 $3\frac{1}{2}$ ft. base & length
79.90 Cor. to sees. 29, 30, 31 + 32.

T. 21, N. R. 24, E.

Chairs

Surface broken
 from 15' to 20'
 Soil 4" Grade
 Frank Fallman
 Nov. 23, 1882,

W. on a random line
 bet. sees. 30 & 31,
 Var. $14^{\circ} 38' E$

4000 Put temporary $\frac{1}{4}$ sec.
 cor.

7940 Intersect W. by of the
 S. lks. D. of cor. to sees
 25, 30, 3 & 36, previous
 ly established by me,
 Thence I run

S. $89^{\circ} 57' E$, on true
 line bet. sees. 30 & 31
 Var. $14^{\circ} 38' E$

3940 Put a sandstone

T. 21, N. R. 24, E.

Chairs

12 x 10 x 9 ins, 8 ins. in
the ground for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on N.
face, dug pits 18 x 18 x
12 ins. S. & W. 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 side.

79.40

cor. to sec. 29, 30,
31 & 32,

Surface rolling
Surface ~~to~~ set grozing floor

John Pfeiffer
Compassman
Nov. 23, 1882,

N. bet. sec. 29 and 30

T. 21 N.

R. 24. E.

chairs

Var. 14° 38' E.

Ascend over broken hills

40.00 Get a sandstone 15 x
10 x 8 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 14 ins,
N. & S. of stone, 5 $\frac{1}{2}$ ft.
dirt, & raised a mound
of earth 1 $\frac{1}{2}$ ft, high 3 $\frac{1}{2}$
ft, base along side

72.00 Dry wash, 120 lbs with
course W.

80.00 Get a sandstone 16 x
12 x 10 ins, 11 ins. in
the ground for cor.,
10 sec., 19, 20, 29 & 30,
marked with 2 notches
on S, & 5 notches on E.

T. 21, N. R. 24. E.

Chain

edges, dug pits $18 \times 18 \times 12$ ins in each cor.
 $5\frac{1}{2}$ ft. dist. & raised
 a mound of earth
 2 ft. high $4\frac{1}{2}$ ft. base
 along side
 surface of broken hills. Soil & a grade
grozi fair

E. on a random line
 bet. ccs. 20×29
 var. $14^\circ 38' E$

Ascend over broken
 bad lands.

4000
 49,60
 Pit temporary $\frac{1}{4}$ cor. cor.
 Intersect N. & S. line
 15 lks N. of cor. to ccs.
 $20, 21, 28 \times 29$
 Thence I run
 $N. 89^\circ 54' W.$ on true

T. 21 N. R. 24. E.

Chains.

line bet. sees. 20 & 29,
Var. $14^{\circ} 38' E$,

3980 Put a sandstone 15×16
 $\times 5$ 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,
E. & W. of stone and
raised a mound of
earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$
ft. base along side
7960 cor. to sees. 19, 29,
29 & 30.

Soil 4" ^{surface broken} grad ^{giving pits}
Frank Hallman
Nov. 23, 1882,

W. on a random line
^{bet. sees. 19 & 30}
Var. $14^{\circ} 38' E$,

T. 21, N. R. 24. E.

chains

Ascend over broken bad
lands.

40.00 Put temporary $\frac{1}{4}$ sec. cor.
79.37 Intersect W. by of T.
15 lks. S. of cor. to aces.
19, 24, 25, & 30, previously
established by me.

Thence I run
S^{89°54'E} on true
line bet. aces. 19 & 30
Var. 14°38'E,

39.37 Put a sandstone 19 x
10 x 8 ins, 13 ins. in the
ground for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on N. face,
dug pits 18 x 18 x 12 ins,
S & W. of stone, 5 $\frac{1}{2}$ ft.
dist, & raised a mound
of earth 1 $\frac{1}{2}$ ft. high

T. 21, N. R. 24, E.

chains

3½ ft, base alongside

7937

Cor. to sec. 19 x 20,

29 x 30,

Surface broken!

Soil 4 ft cat
epizipow

John Slee

Compassman

Nov. 23, 1882,

N. lat, sec. 19 x 20,

Var, 14° 38' E,

descend over broken
bad lands.

4000

Set a sandstone 18 x

10 x 8 ins. 12 ins. in the

ground for ¼ sec. cor.

marked ¼ on N. face,

dug pits 18 x 18 x 14 ins.

N. & S. of stone, 5½ ft,

dirt, & raised a mound

T, 21, N, R, 24, E

chains

Dows

of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base along side.Put a sandstone $10 \times 7 \times 6$ ins., 6 ins. in the ground for con. to res.

17, 18, 19 & 20, marked with 3 nolets on S, & 5 nolets on E. edges,

dug pits $18 \times 18 \times 14$ ins. in each res. $5\frac{1}{2}$ ft. dist, & raised amound of earth 2 ft. high, $4\frac{1}{2}$ ft. base along side.Soil 4th rate
Surface broken. grazing poorE. on a random line
bet. res. 17 & 20.Var. $14^{\circ} 38' E$.

T. 21, N. R. 24 E.

chains

over level surface

4000 Set temporary $\frac{1}{4}$ sec. cor.7950 Intersect - N. & S. line
12 lks. N. of cor. to recs.
16, 17, 20 & 21.

Thence I run

N. $89^{\circ} 55'$ W. on true
line bet. recs. 17 & 20,
with same var.39.75 Set a sandstone $26 \times$
 8×8 ins. 18 ins. in the
ground for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on N. face,
dug pits $18 \times 18 \times 14$ ins.
E. & W. 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
alongside.

T. 21, N. R. 24, E.

chains

79.50 Cor. to res 17, 18, 19 & 20,
 Grazing good.
 Surface level soil 3⁵ at

Frank Fallman
 Nov. 23, 1882.

W. on a random line
 bet res. 18 & 19,
 var. $14^{\circ} 38' E$.

Over river surface

8.00 Enter bad lands
 hrs. N. $10\frac{1}{2}^{\circ} W$.

40.00 Etl - temporary $\frac{1}{4}$ res. cor.

79.30 Intersect - W. by. of Th.
 11 dks. S. of cor. to res.
 13, 18, 19, & 24, previously
 established by me,
 Thence I run

T. 21. N. R. 24. E.

Chairs.

^{E-}
 S. $89^{\circ} 55'$ ~~N.~~ on true
 line bet. sees. 18 & 19
 with same var.

3930 Set a sandstone $12 \times$
 6×4 ins, 8 ins, in the
 ground for $\frac{1}{4}$ sec. cor,
 marked $\frac{1}{4}$ on N. face,
 dug pits $18 \times 18 \times 1$ in ins,
 E & W. 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 alongside,

4930 Cor. to sees. 17, 18, 19 & 20,
 John Slee ^{Subpaa libel}
^{Syl det. cat.}
^{grozin fan}
 Compassman
 Nov. 23, 1882,

N. bet. sees. 17 & 18,
 Var. $14^{\circ} 38' E$

T. 21 N. R. 24. E.

Chairs

One level surface

40.00

Set lava stone $20 \times 17 \times 4$ ins, 15 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. & raised a mound of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base along side

32.00

Cross wash, 2 chs. wide, course N.

80.00

Set a sandstone $20 \times 17 \times 4$ ins, 15 ins, in the ground for cor. to sec. 7, 8, 17 & 18, marked with 4 notches on S, & 5 notches on E. edges, dug pits $18 \times$

T. 21 N. R. 24 E.

chains

18 x 12 ins, in each cor,
 5½ ft, dist, & raised
 a mound of earth 2
 ft, high, 4½ ft, base
 along side.

^{Surge and pool}
 Soil 3⁵ + 4⁴ at. growing from

T. 21, N. R. 24, E.

chains

E. on random line bet.
rees. 8 & 17.

Var. $14^{\circ} 38' E$

Over level surface

40.00 Bet temporary $\frac{1}{4}$ sec. cor.
79.72 Intersect N. & S. line
8 lks. S. of cor. to rees.
8, 9, 16 & 17.

Thence I run

S. $89^{\circ} 54' W.$ on true
line bet. rees. 8 & 17.

with same var.

39.86 Set a sandstone $26 \times$
 12×10 ins, 18 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, & raised

T. 21, N. R. 24. E.

chains

a mound of earth $1\frac{1}{2}$
ft. high, $3\frac{1}{2}$ ft. base
along side.

7972

Cor. to sec. 7, 8, 17 & 18,
Grazing Pool
Ditch 30' wide surface level

Frank Fallman
Nov. 23, 1882.

Now random line
bet. sec. 7 & 18,
Var. $14^{\circ} 38' E.$

Over level surface

4000

Det temporary $\frac{1}{4}$ sec. cor.

7849

Intersect - N. by of Th.
16 lks. N. of cor. to sec.
7, 14, 13 & 18, previously
established by me.

T. 21, N. R. 24, E.

Chains,

Thence I run
N. $89^{\circ} 53' E$. on true
line bet. res. 7 & 18,
with same var.

3849 Set a sandstone $16 \times$
 10×12 ins; 11 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. S. & W. 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 side.

7849 Cor. to res. 7, 8, 17 & 18
John S. Lee ^{Surface level}
^{Soil 30' out}
Compassman ^{Good grass}
Nov, 23, 1882,

T. 21. N. R. 24. E.

Chains,

N. bet. ves. 7 & 8,
Var. 14° 38' E.

Over rolling surface
Ascend gradually

4000

Set a sandstone 18 x
10 x 9 ins, 11 ins, in the
ground for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on N. face,
dug pits 18 x 18 x 12
ins, N & S. of stone,
 $5\frac{1}{2}$ ft, dist, & raised
& mounded of earth $1\frac{1}{2}$
ft, high, $3\frac{1}{2}$ ft, base
along side

7500

Top of ridge 60 ft,
high, hrs. N. E. & S. W.
Ascend

8000

Set a sandstone
12 x 10 x 6 ins, 8 ins, in

T. 21, N. R. 24, E.

chains,

the ground for cor. to
 recs. 5, 6, 7 & 8, marked
 with 5 notches on
 S. & E. edges, dug pits
 18x18x12 ins, in each
 rec. 5 $\frac{1}{2}$ ft. dist. &
 raised a mound
 of earth 2 ft. high,
 4 $\frac{1}{2}$ ft. base along side.
 Surface rolling
~~Down ^{to} grade~~
~~Good grazing~~

E. on a random line
 bet recs. 5 & 8,

Var. $14^{\circ} 38' E.$

over rolling surface,
 gradual ascent

3460 Hwy wash, course S. W.
 40'00 Set temporary $\frac{1}{4}$ rec. cor.

T. 21. N. R. 24. E.

chains

79.50 Intersect N & S. line
17 lks. S. of cor. to sees,
4, 5, 8 & 9,

Thence I run
S $89^{\circ} 53'$ W. on 1 mi
line bet. sees, 5 & 8,
with same var.

39.75 Set a sandstone 12
 \times 10 \times 9 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 14
ins. E. & W. 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
alongside.

79.56 The cor. to sees,
3, 6, 7 & 8.

T. 21 N., R. 24. E.

chains

Grazing Good
~~Soil~~ ^{30 rate} ~~Surface~~ rolling
 Frank Fullman
 Nov, 23, 1882,

W. on a random line
 1st. sec. 6 x 7,
 Var. $14^{\circ} 38' E$
 over rolling surface
 Gradual descent

2000 Cross dry wash, 40 ft. deep
 20 lks. wide, course S.W.
 As usual

4000 At temporary $\frac{1}{4}$ sec. cor.
 77, 11 Intersect W. by of the
 6 lks. N. of cor. to sec.
 1, 6, 7 & 12, previously
 established by me

T. 21 N. R. 24. E.

Chairs

- 37, 11 N. $89^{\circ} 54' E$ on true
line bet. res. 6 & 7,
^{with same var}
Set a sandstone 16×10
 $\times 6$ ins, 11 ins. in the
ground for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on N. face,
dug pits $18 \times 18 \times 14$ ins.
E & W. of stone $3\frac{1}{2}$ ft.
dist, & raised a
mound of earth $1\frac{1}{2}$
ft. high $3\frac{1}{2}$ ft. base
along side.
- 77, 11 Cor. to res. 5, 6, 7 & 8.
Soil 1st grade
Grazing good
Surface rolling
N. on a random
line bet. res. 5 & 6.
Var. $14^{\circ} 38' E$

T. 21 N. R. 24 E.

chains

- 25,00 Descend gradually
 low depression, ascend
 through bad lands
 ascend gradually
 over rolling surface.
- 40,00 Set temporary $\frac{1}{4}$ sec. cor.
 80,16 Intersect N. $\frac{1}{4}$ of T.
 15 lks. E. of cor. to
 sec. 5, 6, 31 x 32, pre-
 viously established
 by me.
- Thence I run
 S. $0^{\circ} 6' E.$ on true
 line bet. sec. 5 & 6,
 with same var.
- 40,16 Set a sandstone 18 x
 12 x 10 ins, 12 ins, in
 the ground for $\frac{1}{4}$ sec.
 cor. marked $\frac{1}{4}$ on N.

T. 21, N., R. 24, E

Chairs

face, dug pits 18x18x14
ins. N. & S. of blow, 5 1/2
ft, dist. & raised a
mound of earth 1 1/2
ft. high, 3 1/2 ft. base
along side.

80,16

Cor. to sees 5, 6, 7, & 8,

Dial 1st Grade

~~Surface~~
tracing good

John Ole Compassman

Nov, 23, 1882,

I carefully examine the
adjustments of my com-
pass today, especially
the latitude & reversing
apparatus, & find
them correct.

T. 21 N. R. 24. E.

chains.

For Trial Oaths
see last Book, (N^o
17,) of Survey.

General Description
The surface of this town-
ship is for the most part
rolling & in some parts
broken. The southern por-
tion is chiefly tracts &
bad lands with some
grazing. The central &
N. Eastern portions are
valley lands, with some
soil 1st grade and
good grazing. The N. wester-
ly portion is bad lands.
There is no timber.

U. S. Surveyor General's Office,

TUCSON, ARIZONA,

April 19,

1883

The foregoing Field Notes of the Survey of the

Subdivision Lines of Townships
21 North, 24 East

Of the Gila and Salt River Base and Meridian, Arizona, executed by Frank Fallman

Deputy Surveyor under his contract of the 29th

day of July, 1882, having been

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



Surveyor General.