

1
See Index in
5th Stand. N. thro R. 3-4-5-6-7 E,
Field Notes
(Book K)

OF THE SURVEY OF THE

The Exterior Boundaries

of
Twp 20 N., Rps. 4, 5, 6, and 7 E.
and Twp 21 N., Rps. 3, 4, 5, 6 and

7 E. including the portion
of the 5th Standard Par.
N. of Salt River Base and Meridian

is same
ARIZONA. No. 1387

By John L. Harris, S.

Under contract dated July 29 1878.

Survey commenced Aug 2 1878.

Survey completed Oct 26 1878.

No. 1387

1A

Preliminary Oaths of Assistants.

We, Richard Shrope
 and N. Van Alstine
 do solemnly swear that we will faithfully execute
 the duties of Chain Carriers; that we will level the
 chain upon uneven ground, and plumb the tally
 pins, whether by sticking or dropping the same;
 that we will report the true distance to all notable
 objects, and the true length of all lines that we as-
 sist in measuring, to the best of our skill and
 ability.

Richard Shrope
N. Van Alstine

Sworn to and subscribed before me, this 17th
 day of August, 1878.

John R. Faull,
 Notary Pub

We, Wm Amos Kolb, Hagman, & W. Serastegui
Frank Carpenter, Amos, & D. B. Dodson, Pitman,

do solemnly swear that we will well and truly perform the duties of Hagman, Amos and Pitman, respectively

according to instructions given us, and to the best of our skill and ability.

Wm Amos ^{his} Kolb
Frank Carpenter
D. B. Dodson

Sworn to and subscribed before me this 12th

August 1878

John R. Faull
Notary Public



A

BOOK 1387

S. 22 N, R. 5 E.

S. 22 N, R. 4 E.

S. 22 N, R. 6 E.

S. 22 N, R. 6 E.

S. 22 N, R. 7 E.

31	32	33	34	35	36	31	32	33	34	35	36	31	32	33	34	35	36	31	32	33	34						
165	164	163	162	161	159	152	151	150	149	149	144	138	137	136	135	135	134	118	114	113	112	111	109	65	66	67	68X

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13	13	6	18		S. 21 N, R. 3 E.	13	14	18		S. 21 N, R. 4 E.	13	13	18		S. 21 N, R. 5 E.	13	10	18		S. 21 N, R. 6 E.	13	6	2	18		S. 21 N, R. 7 E.	13	5	6	18
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S. 20 N, R. 5 E.

S. 20 N, R. 4 E.

S. 20 N, R. 6 E.

S. 20 N, R. 6 E.

S. 20 N, R. 7 E.

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S. 19 N, R. 5 E.

S. 19 N, R. 4 E.

S. 19 N, R. 6 E.

S. 19 N, R. 6 E.

S. 19 N, R. 7 E.

36	12	31	32	33	34	35	36	9	31	32	33	34	35	36	8	4	31	32	33	34	35	36	35	34	33	32	31	30
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Triangulation from Cor. to Tps 17+18 N; Rgs 1+2 W, mts
to vicinity of timber Land Surveys near San Francisco 1-11

5th Standard Parallel (South Bdy) T 21 N, R 1 W
3-4-5-6+7 E. 11-52

bet.	T 21 N,	Rd 7+8	E	53
"	" 21 "	" 6+7	"	59
"	" 21 + 22 N.	" 7	"	65
"	" 20 "	" 7+8	"	70
"	" 19 + 20 "	" 7	"	78
"	" 20 "	" 6+7	"	84
"	" 19 + 20 "	" 6	"	90
"	" 20 "	" 5+6	"	92
"	" 19 + 20 "	" 6	"	99
"	" 21 "	" 3+6	"	103
"	" 21 + 22 "	" 6	"	109
"	" 19 + 20 "	" 5	"	116
"	" 20 "	" 4+5	"	122
"	" 21 "	" 4+5	"	128
"	" 21 + 22 "	" 5	"	134
"	" 20 "	" 3+4	"	139
"	" 21 "	" 4+4	"	141
"	" 21 + 22 "	" 4	"	147
"	" 21 "	" 2+3	"	153
"	" 21 + 22 "	" 3	"	159

No. 1387

BOOK 1387

10

Triangulation from the cor. to Tps.
17 & 18 N. Rgs. 1 & 2 W. to vicinity of
Dombra Land Surveys near San Francisco

Mountains. Arizona, under Contract of July 29, '78

Referring to the stipulations in
my contract of July 29, 1878, —

I found upon examination
that the extension of lines east
ward from the cor. to Tps. 21 N.
Rgs. 3 & 4 W. was impracticable,
and that the proposed
lines extended over a long dis-
tance of worthless, non-min-
eral mountains.

Going next therefore to the
corner to Tps. 17 & 18 N. Ranges
1 & 2 W., I found that
while the extension of lines
N. & E. to and upon the Fifth
Standard Parallel N. was
barely practicable, the ground
was of such a character

Triangulation, (Continued)

(non-mineral, non-agricultural timberless and worthless.) that I was debarred by General Land Office instructions from extending the necessarily long connection lines over it and compelled to resort to Triangulation.

During general observations for the triangulation I find that the only and excellent points for sights and angles are the prominent and well defined points on Bill Williams mountain, a high peak presenting suitable profiles from both sides.

I find the cor. to Tps. 17 and 18 N. Ranges 1

Triangulation (Continued)

Stn. 42 W. marked by a granite stone $7\frac{1}{2} \times 12 \times 12$, but the mound and pits nearly obliterated. I build a mound of earth on the N. with pits $1\frac{1}{2}$ ft deep, 2 ft long, 1 ft wide.

From this cor. I run East. on true line.

var $14^{\circ}31'$ East

As per Buco's Solar Compass

to a point affording clear sight on Bill Williams mountain, and which point I make the initial point of the Chino Valley Base line of this triangulation.

From this said initial point the Main Top of Bill Williams mountain is $N 28^{\circ} E$. A point above a notch in the ridge of

Triangulation (Continued)

the mountain to the E. of the main top, and which second point I sight to as a corrective on my sights to first point or main top, brs N. $29^{\circ}01'$ E.
var. $144^{\circ}31'$ E.

Burt's Solar Compass

From this initial point, selecting the best ground and running with extreme care, I survey a base line,
S. $87^{\circ}03'$ W.

Chs

var $144^{\circ}31'$ East

797.00

Diagonally across China Valley to high ground on the West, - to a point whence the Main Top of Bill Williams mountain brs N. $43^{\circ}34'$ E. The second point sighted to from the E. end of base brs

Trangulation Continued

N. $44^{\circ}53'E$.

var $14^{\circ}31'$

From these data I find that the main top of Bill Williams mountain brs. N. $28^{\circ}E$. 1981.68 chs. dist., - and the 2^d point brs N. $29^{\circ}01'E$. 1956.91 chs. dist. from the initial point on the Chino Valley Base Line.

I now go to the San Francisco valley side, and selecting a large open park, in the midst of heavy Pine forests, affording excellent ground for a base line and angular sights on Bill Williams mountain, I take an initial point in the S.E. corner of said Park.

Triangulation (Continued)

and laid that therefrom
the Main Top of Bill
Williams mountain brs.

N. $75^{\circ}52'N$, and the second
point sighted to from the
Ohio Valley side, brs
N. $77^{\circ}25'N$.

var. $15^{\circ}46'E$.

As per Burt's Solar Compass

I then run a base line
N. $14^{\circ}06'N$.

Chs.

var $15^{\circ}46'E$.

450.20

With great care and over
smooth level ground, to a
point whence the main
top of Bill Williams
mountain brs S. $82^{\circ}51'N$.

The Second point heretofore
sighted to brs S. $80^{\circ}43'N$.

var $15^{\circ}46'E$

Triangulation (Continued)

From these data I find that from the initial point on the San Francisco Base Line, the Main Top of Bill Williams mountain is $N. 75^{\circ} 52' N.$ 1231.17 chs. dist, and the 2^d point sighted to is $N 77^{\circ} 25' N.$ 1204.49 chs. dist

Therefore, using the angles on the Main Top of Bill Williams mountain, I obtain that the initial point on the San Francisco Base Line is 1449.09 chs. N. and 2124.24 chs E. of the initial point on the Chenio Valley Base Line.

And using the angles on the 2^d point sighted to

Trangulation (Continued)

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I find that the N. distance is 11448.87 chs. and the Easting 2124.78 chs.

I take the results of the angles on the Miami Top as that was the best point of observation, and the difference (it will be observed) is comparatively slight.

So that, the initial point on the San Francisco Base Line is 11449.09 chs N., and 2124.21 chs. E. of the initial point on the Chin's Valley side.

But the latter initial point is 77.00 chs. E. of the cor. to Tps. 17 & 18 N. ranges 1 and 2 W.

Mangulation (Continued)

Therefore the Initial Point on the San Francisco Base Line is 1449.09 chs N. and 2201.24 Chs. E. of the Corner to T^hs. 17 & 18 N. ranges 1 & 2 W.

Then, allowing for convergence, I find that the initial point on the San Francisco Base Line is in section 34 of Township 21 N. range 4 E., and is 9.09 chs. N. and 7.27 chs E. of the $\frac{1}{4}$ section corner on the S. boundary of T^h. 21 N. range 4 E.

This said initial point on the San Francisco Base Line is in an open Park in the midst of

Triangulation (Continued)

dense Pine Forests, stretching for miles E. and W., to the S. and SW of the San Francisco mountains. The ground is wholly non-mineral and the timber clear Yellow Pine, (the best pine in Arizona,) and of great commercial value. The trees stand thick, and very tall and straight, running from 2 to 3 1/2 feet in diameter. Contrary to usual pine land, the soil here is largely strata, grass growing rankly and luxuriantly, and in open places and parks, where tried, producing agricultural crops without irri-

Triangulation (Continued)

gation. I found there abundance of the largest and best potatoes I have seen in Arizona, produced without irrigation.

The open parks which fell within my townships covering timber lands were surveyed by me under this timber ^{land} contract, because they were surveyable lands falling within my townships and because of the demands of settlers on the ground desiring to file upon portions thereof.

The foregoing triangulation was begun August 24 and ended August 29, 1878.

John L. Harris
U.S. Dep. Surveyor.

S. Boundary of Township 21 N. R. 4 E.

Set a Salt River Meridian

August 29, 1878

Rs. From the Initial Point of the San Francisco Base Line of Triangulation Run South

var. $15^{\circ}46'$ E

As per Buell's Solar Compass

9.09 To a point on the Fifth Standard Parallel N.
Thence West along said 5th Standard

var. $15^{\circ}46'$ E

7.24 To the 14 sec. cor. on the S. boundary
40.00 of sec. 34. 3rd T. 21 N. R. 4 E.

on full mile In the N. edge of timber

Set a post, marked 14 S. 4 ft long,
flattened 3 in wide, 1 ft in the ground,
and build mound of stones 2 ft
high, as per instructions for 14
sec. cor. from which

A Pine tree, 15 in. dia. brs. N. 11 W. 29 brs. dist.

do 36 " " " S 40 E 77 " "

Thence continue in N. edge of timber
and at distance of 40.00 chs. or on full mile

Boundary of Twp. 21 N. R. 4 E.
Gila & Salt River Meridian

Rs Continued

80.00 Set a post, marked & notched, 4 ft. long, 3 in sqd. 1 ft. in the ground, drive charred stake and build a mound of earth 2 ft. high, with 3 pits, E. W. & N. $1\frac{1}{2}$ ft. deep, 2 ft. long, 1 ft. wide, as per instructions for standard cor. to secs. 33 & 34, from which

a Pine tree 13 in. dia. br. N. 80° E. 5 lbs. dia.
" 16 " " " N 24° W. 20 " "

I do not mark trees to the S. of the standard corner on this line, for self evident reasons.

Line blazed.

Land level. Good soil.

Heavy Pine timber on line and to the S. Some grass.

No undergrowth.

S. Boundary of Ranchip. 21 N. R. 4 E.
Gila & Salt River Meridian

No. Weston S. Boundary Sec. 33.
var. $15^{\circ}46'$ East

- 17.00 A Pine tree 34 in. dia.
- 40.00 Set a post, marked 44 S. 4 ft long, flattened 3 in. wide, 1 ft in the ground, drive chanced stone & build mound of earth 2 ft high, with pits 1 1/2 ft deep, 2 ft long, 1 ft wide, as per instructions for 1/4 sec. cor. from which
a Pine tree, 46 in. dia. br. N. $16\frac{1}{2}^{\circ}$ W. 85
do. 13 " " " N. 35° E. 147
- 48.00 Ranch road brs S.E. and N.W.
- 63.60 Creek, with running water brs S.E. 50 ft wide.
- 75.00 A Pine tree 24 in. dia.
- 80.00 Set a post, marked 4, notched, 4 ft long, 3 in. sq'd, 1 ft in the ground and build a mound of stone 2 ft high, as per instructions for cor. to secs 32 & 33 from which
a Pine tree, 35 in. dia. brs N 35° E. 106
do. 29 " " " N 15° W. 173 " "
- Line blazed. Land level. Soil good, then poor.
Heavy Pine timber. Grass. No Brush.

S. Boundary of Sp. 21 N. R. 4 E.
Gila and Salt River Meridian

No. West on S. Boundary sec. 32
var 15° 46' East.

40.00 Set a post, marked 1/4 S. 4 ft long, flattened,
3 in. wide, 1 ft in the ground, drive chaired
stake and build mound of stones 2 ft high
as per instructions for 1/4 sec. cor. from which
A Pine tree 24 in dia. to North 75 lbs. dist
do 26 " " N 52° W. 169 " "

58.70 A Pine 16 in. dia.

62.00 do. 30 " "

80.00 Set a post, marked & notched, 4 ft long,
3 in. sq. 1 ft in the ground, drive chaired
stake and build mound of earth 2 ft high
with pits 1 1/2 ft deep, 2 ft long, 1 ft wide,
as per instructions for cor. to Secs. 31 & 32,
from which

A Pine, 27 in. dia. to N 25° E 16 lbs. dist.

do. 32 " " N 55° W. 120 " "

Line blazed. Land level. Soil poor & Sand.
Heavy timber on line, little opening to S. of line.

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S. Boundary of Twp. 21 N. R. 24 E.
Gila & Salt River Meridian

Sec. West on S. boundary Sec. 31
var 15° 46' East

1.60 A Pine 18 in. dia.

33.00 do 21 " "

40.00 Set a post, marked 4 S. 4 ft long, flat-
tened 3 in. wide, 1 ft in the ground and
build mound of stones 2 ft high as per
instructions for 4 sec. cor. from which
A Pine, 32 in. dia. br. N 13 1/2° W. 32 lvs. dist.
do. 28 " " " N 22° E 17 " "

66.00 A Pine 40 in. dia.

80.00 Set a post, marked & notched, 4 ft long,
4 in. sq. d. 1 ft in the ground, and build
mound of stones 2 1/2 ft high, as per instructions
for cor. to Twp. 21 N. R. 23 & 24 E. from which
A Pine 23 in. dia. br. N 86° E 32 lvs. dist.
do 29 " " " N 48° W. 15 1/4 " "

Land uneven, Soil rocky and poor.

Heavy Pine timber. Lines blazed and
lime tree notched. Grass. No undergrowth.

S. Boundary of Sp. 21 N. R. 3 E.

Lula & Salt River Meridian

August 29, 1878.

Go from the cor. to Sp. 21 N. R. 3 & 4 E. Dunc
 West on true line on S. boundary Sec. 36.
 var. 15° 39' East

A few Bush Solar Compass.

39.00 Descend into little canon brs S. E.

40.00 Set a post, marked 14 S. 4 ft long, flattened
 3 in. wide, 1 ft in the ground, and build a
 mound of stones 2 ft high, as per instructions
 for 14 sec. cor. from which

A Pine, 20 in dia brs S. 43° E. 28 lvs. dist.

do. 28 " " " N 89° W. 20 " "

42.80 Stream in canon, 12 lvs. wide, brs. S. E.

47.60 Leave canon brs S. E.

80.00 Set a post, marked 3 notched, 4 ft long.

3 in. sq'd. 1 ft in the ground, and build mound
 of stones 2 ft high, as per instructions for cor
 to Secs. 35 & 36. from which

A Pine, 24 in dia. brs N. 47° E. 57 lvs. dist.

do 23 " " " N 25° W. 69 " "

From this cor. a House brs N. 23° W. about 10.00
 chs. dist. on S. side of canon bearing S. E.

Land broken and level. Soil poor. Grass.
 Heavy Pine timber.

S. Boundary of Twp. 21 N. R. 3 E.

Gila⁴ Salt River Meridian

Chs. West on S. Boundary Sec. 35.
var 15° 39' E.

0.02) A Pine 24 in. dia.

31.75 do 30 " "

40.00 Set a post, marked $\frac{1}{4}$ S. 4 ft long, flattened
3 in. wide, 1 ft in the ground, and build mound
of stones 2 ft high as per instructions for
 $\frac{1}{4}$ sec. cor. from which

A Pine, 25 in. dia. br. N. 76 $\frac{1}{2}$ ° W. 38 lbs. dist.

do 24 " " " N 56° E. 84 " "

80.00 Set a post, marked & notched, 4 ft long,
3 in. sq. d. 1 ft in the ground, and build mound
of stones 2 ft high, as per instructions
for cor. to Secs. 34 and 35. from which

A Pine, 29 in. dia. br. N 20° E. 59 lbs. dist.

do. 30 " " " N 45° W. 58 " "

Land level. Soil stony Poor.

Grass in places.

Heavy Pine timber.

S. Boundary of Sp. 21 N. R. 3 E.

Gila & Salt River Meridian

S. West on S. Boundary sec. 3rd
var. $15^{\circ}39' E.$

15.37 A Pine 30 in. dia.

15.58 do 26 " "

40.00 Set a post, marked 4 S. 4 ft. long, flat
tined 3 in. wide, 1 ft. in the ground and
build mound of stones 2 ft. high, as per
instructions for 4th sec. cor. from which
A Pine 34 in. dia. br. N. $60^{\circ} E.$ 91 lbs. dist.
do 30 " " " N $83^{\circ} W.$ 88 " "

80.00 Set a post, marked and colored, 4 ft.
long, 3 in. sq. d. 1 ft. in the ground, and
build mound of stones 2 ft. high,
as per instructions, for cor. to Secs. 33 and
34. from which
A Pine 20 in. dia. br. N $76^{\circ} E.$ 27 lbs. dist.
do. 12 " " " N $63^{\circ} W.$ 88 " "

Land broken. Soil poor -
Heavy Pine timber -

S. Boundary of Sp. 21 N. R. 3 E.
Gila & Salt River Meridian

No. West S. Boundary Sec. 33

var $15^{\circ}39' E$.

40.00 Set a post, marked 14 S. 4 ft long, flat-
tened 3 in wide, 1 ft in the ground,
and build mound of stones
2 ft high, as per instructions for 14 sec.
cor. from which

A Pine, 22 in. dia. br. N. $54^{\circ} W$. 27 Cu. dia.

do. 25 " " N. $23^{\circ} E$. 63 " "

67.00 Rocky dry wash 200 lbs wide br. NE.

80.00 Set a post, marked and marked by
4 ft long, 3 in. sq. d. 1 ft in the ground,
and build mound of stones 2 ft high
as per instructions for cor. to Secs. 32
and 33. from which

A Pine, 28 in dia. br. N. $81^{\circ} W$. 29 Cu. dia.

do. 36 " " N. $87^{\circ} E$. 63

Land broken. Soil poor.

Heavy Pine timber.

S. Boundary of Sp. 21 N. R. 3 E.

Gila & Salt River Meridian

No. Westm. S. Boundary Sec. 32,
var. $15^{\circ}39' E$.

40.00 Set a post, marked 14 S. 4 ft long,
flattened 3 in. wide, 1 ft in the ground,
and charred stake & build mound
of earth 2 ft high with pits $1\frac{1}{2}$ ft deep,
2 ft long, 1 ft wide, as per instructions
for 14 sec. cor. from which

A Pine 27 in. dia. br. N. $27^{\circ} E$, 44 lead dit.do. 30 " " " N. $25^{\circ} W$, 106 " "

46.00 Dry wash br E. + NE. run along it

54.00 Leave same br E + NE.

80.00 Set a post, marked & notched, 4 ft
long, 3 in. sq. d., 1 ft in the ground,
and build mound of stones 2 ft high,
as per instructions for cor. to sec. 31
and 32. from which

A Pine 29 in. dia. br. N. $36\frac{1}{2}^{\circ} W$, 84 lead dit.do 30 " " " N $54^{\circ} E$, 76 " "

Land broken, Soil poor, Heavy Pine timber

S. Boundary of Twp. 21 N. Range 3 E.
Gila & Salt River Meridian

No. West on S. Boundary of Sec. 31.
ran 15° 39' E.

- 5.30 Overland road to SW, then W.
- 36.00 Leave level ground, ascend NW & S. E.
- 40.00 Set a post, marked 1/4 S. 4 Along, flattened 3 in. wide, 1 ft in the ground, and build mound of stones 2 ft high, as per instructions for 1/4 sec. cor. from which
A Pine 27 in dia. to N. 90° E. 75 lbs. dist.
do. 10 " " N. 68° W. 53 " "
- 45.00 Descend.
- 58.20 Overland road to NW and S. E.
- 60.00 Ascend.
- 80.00 Set a post, marked and notched, 4 1/2 ft high, 4 in sq. 1 ft in the ground and build mound of stones 2 1/2 ft high, as per instructions for cor. to Twp. 21 N. Rge 2 1/2 E. from which
A Pine 33 in dia. to N. 73° W. 129 lbs. dist.
do 24 " " " N 39° E. 156 " "
Land uneven. Mostly poor soil.
Grass. Heavy Pine timber. Aug. 29. 1878.

I now return to the $\frac{1}{4}$ sec.
corner, on the S. boundary of
section 34, of Township
21 N. Range 4 E, and run
thence as follows:—

S. Boundary of Township 21 N. R. 4 E.
 Gilman Salt River Meridian

X Chs. East entrance on S. Boundary sec. 34
 var. $15^{\circ} 46'$ East

Running from the 1/4 sec. cor. at
 56.00 Leave timber NW and SE, and enter
 the S. E. cor. of a large open park
 bro to the N and NW.

80.00 At the termination of open ground
 and enter timber again bro N and S.
 Set a post, marked and notched, 4 ft.
 long, 3 in. sq'd. 1 ft. in the ground, and
 build mound of stone 2 ft high
 as per instructions for cor. to secs.
 34 and 35, from which

A Pine 20 in dia, bro N. $15\frac{1}{2}^{\circ}$ W. 296 bro. dist.

do 18 " " " N. 4° E. 227 " "

Land level. Some good soil.
 Grass. But little timber.

S. Boundary of Township 21 N. R. 4 E.
Gila and Salt River MeridianNo. East on S. Boundary of sec. 35.
var $15^{\circ}46'$ East40.00 Set a post, marked 14 S. 11 ft long, flattened
3 in. wide, 1 ft in the ground, driven chased stone
and built mound of earth, with pit 1 1/2 ft deep2 ft long, 1 ft wide, as per instructions, for 4 sec. cor.
from which
A Pine, 25 in. dia. br. North 51° br. dist.do. 45 " " " N 75° E. 92 " "

44.15 Ranch road br. S. of E.

58.80 A Pine 18 in. dia.

71.00 do 20 " "

80.00 Set a post, marked and notched, 14 ft long,
3 in. sq. d. 1 ft in the ground, driven chased stone
and built mound of earth 2 ft high with pit 1 1/2
ft deep, 2 ft long, 1 ft wide, as per instructions,
for cor. to secs. 35 and 36. from whichA Pine, 42 in. dia. br. N. 25° E. 24 br. dist.do. 20 " " " N 24° W. 168 " "Land level. Soil 1st water Grass.

Heavy Pine timber.

S. Boundary of Township 21 N. R. 4 E
Gila and Salt River Meridian

Co. East on true line on S. boundary sec. 36.
Var. $15^{\circ}46' E.$

34.00 Fence E. of N. + W. of S. and run
into bottom land with scattering timber.

35.80 A Pine 35 in. dia.

40.00 Set a post, marked 74 S, 4 ft long,
flattened 3 in. wide, 1 ft in the
ground, drive charred stake
and build mound of earth 2 ft
high, with pits $1\frac{1}{2}$ ft. deep, 2
ft long, 1 ft wide, as per instruc-
tions for 74 sec. cor. from which
a Pine, 40 in. dia. br., N. $17\frac{1}{2}^{\circ}$ W. 62 hrs. dist.
do. 10 " " " N 60° E. 160 " "

51.60 Dry wash, 50 hrs wide, br SW.

55.60 Same " 57 " " " NW.

60.00 " " 50 " " " SW.

65.00 Fence NE & SW. rise out of bottom
and enter heavily timbered land
brs NE and S.

Continued—

80.00 Set a post, marked and notched,
 4 1/2 ft long, 4 in sq'd. 1 ft in
 the ground, drive charred stake
 and build mound a few feet 2 1/2
 ft high, with pits 1 1/2 ft deep.
 2 1/2 ft long, 1 ft wide, as per in-
 structions for cor. to Tpo. 21
 N. Rgs. 4 and 5 E. from which
 a line 15 in dia. br. N. 36° E. 14 lvs. dist
 do 12 " " " N 30° W. 76 " "
 Land level, ascend last end.
 Mostly rich soil.
 Some heavy timber. Grass.

S. Boundary of Tr. 21 N. R. 5 E
Gila and Salt River Meridian

Chs. East true line on S. Boundary Sec. 31,
Var. $15^{\circ}43'$ East

As per Brant's Solar Compass.

40.00 Set a post, marked "4 S. 4 ft long, flattened
3 in. wide. 1 ft in the ground, drive chamed stake
and build mound of earth 2 ft high, with pits
1 1/2 ft deep, 2 ft long, 1 ft wide, as per instructions
for 4 sec. cor. from which

A Pine, 14 in. dia. br. N. 18° E. 79 lbs. dist.

do. 30 " " " N 46° W. 94 " "

70.00 Dry wash, 38 lbs. wide, br N.W.

80.00 Set a post, marked and notched, 4 ft
long, 3 in. sq. 1 ft in the ground, drive
chamed stake and build mound of earth
2 ft high, with pits 1 1/2 ft deep, 2 ft long,
1 ft wide as per instructions for cor. to
secs. 31 and 32 from which

A Pine, 24 in. dia. br. N. $12 1/2^{\circ}$ E. 48 lbs. dist.

do. 23 " " " N. 52° W. 56 " "

Land rolling & broken. Soil mostly poor. Some Heavy Pine timber.

S. Boundary of Twp. 21 N. R. 5 E.
 Tola & Salt River Meridian

No. In less than one half mile E. from this last corner, (secs 31 & 32) the line intersects a canon several hundred feet deep with precipitous rocky walls, and this succeeded by a second canon of similar proportions, making into the first, making the ground impracticable, and breaking up the timber growth, and the soil is worthless for any purpose and the ground very mineral.

I cannot extend the standard over it.

From the corner to secs. 31 & 32 Twp. 21 N. R. 5 E. I draw a traverse line in the interior of Twp. 21 N. R. 5 E., as follows: —

30 Traverse Line from 5th Standard N.

BOOK 1387

In Township 21 N. Range 5 E
Gila & Salt River Meridian

~~40~~ North between sec. 31 & 32,
var 15° 43' East

40.00 Set a post, marked '4 S. 4 ft long, flat-
tined 3 in. wide, 1 ft. in the ground and
build mound of stones 2 ft high, as per in-
structions for 1/4 sec. cor. from which
A Pine, 24 in. dia. br. S. E. 45°, 24 lbs. diet
do. 12 " " S. W. 80°, 26 " "

80.00 Set a post, marked & notched, 4 ft long, 3 in. sq. ft.
1 ft. in the ground, drive chanced stakes and build
mound of earth 2 ft high, with pit 1 ft deep 2 ft
long, 1 ft wide, as per instructions for cor. to sec. 30,
29.30.31 & 32. from which

A Pine, 43 in. dia. br. N. 12 1/2° E. 82 lbs. diet
do. 30 " " " N. 9 1/2° W. 116 " "
do. 19 " " " S. 84° W. 138 " "
do. 13 " " " S. 4° E. 28 " "

Cor. on N. slope hill brs S. E.

Land Broken. Soil poor. Heavy Pine
timber.

Traverse Line from 5th Standard N. 31

BOOK 1387

In Township 21 N. Range 5 E.

Gila & Salt River Meridian

No. East on true line between secs. 29 & 32
var. $15^{\circ}43'$ East

1.00 A Pine 40 in. dia.

40.00 Set a post, marked 14 S. 4 ft. long, flattened 3 in
wide. 1 ft. in the ground, drive charr'd stake and
build mound of earth 2 ft. high, with pits 1 ft. deep.

2 ft. long, 1 ft. wide, as per instructions for 14 sec. cor.
from which

A Pine, 41 in. dia. br. S. $11^{\circ}E$. 36 lbs. dia. l.

do 36 " " " North, 45 " "

80.00 Set a post, marked & notched, 4 ft. long, 3 in. sq.
1 ft. in the ground, drive charr'd stake and build mound
of earth 2 ft. high, with pits 1 ft. deep. 2 ft. long, 1 ft. wide
as per instructions for cor. to secs. 28, 29, 32 & 33 from which

A Pine, 26 in. dia. br. S. $47^{\circ}\frac{3}{4}E$. 91 lbs. dia. l.

do. 27 " " " S. $24^{\circ}\frac{1}{4}N$. 65 " "

do. 23 " " " N. $38^{\circ}N$. 62 " "

do. 30 " " " N. $26^{\circ}\frac{1}{4}E$. 57 " "

Land Broken, Soil Poor.

Grass, Heavy Pine timber.

32 Traverse Line from 5th Standard N.

BOOK 1387

In Township 21 N. Range 5 E.

Gila & Salt River Meridian

No. East on line between secs. 28 & 33.

Var. $15^{\circ} 43'$ East

40.00 Set a post, marked 14 S. 4 ft long, flattened, 3
in. wide, 1 ft in the ground, drive charred stake
and build mound of earth 2 ft high, with pits 1 ft
deep, 2 ft long, 1 ft wide, as per instructions for 14 sec. cor.
from which
A Pine, 40 in. dia. br. East 160 ls. dist.

do. 27 " " " N. 48° W. 79 " "

80.00 Set a post, marked and notched, 4 ft long,
3 in. sq. 1 ft in the ground, drive charred stake
and build mound of earth 2 ft high, with
pits 1 ft deep, 2 ft long, 1 ft wide, as per instruc-
tions, for cor. to secs. 27, 28, 33 and 34.
from which

A Pine, 20 in. dia. br. S. 15° E. 60 ls. dist.

do. 25 " " " S. 45° W. 77 " "

do. 41. " " " N. 10° W. 110 " "

do. 26 " " " N. $11\frac{1}{2}^{\circ}$ E 70 " "

Land barren. Soil poor. Some grass.
Heavy Pine timber.

Traverse Line from 5th Standard N. 33

BOOK 1387

In Township 21 N. Range 5 E.

Gila & Salt River Meridian

As. From the cor. to secs. 27. 28. 33 & 34. Do not
tempt to reach the 5th Standard, and run
South, on true line bet. secs. 33 & 34.
run $15^{\circ}43'$ East

240.00 Set a post, marked $1/4$ S. 4 ft. long, flat-
tened 3 in. wide, 1 ft. in the ground, drive
charred stake and build mound of earth
2 ft. high, with pits 1 ft. deep, 2 ft. long, 1 ft.
wide, as per instructions, for $1/4$ sec. cor.
from which

A Poi. 39 in. dia. brs. N $62\frac{1}{2}^{\circ}$ W. 130 lbs. dist.

do. 38 " " " North 91 " "

In a short distance further S. the
line intersects impassable canon.

I can run no further S.

Land Brown Soil poor Heavy
Pine timber.

Returning to the corner to Secs. 27. 28.
33 and 34. I run thence

34 Traverse Line from 5th Standard N.

BOOK 1387

In township 21 N. Range 5 E.

Gila & Salt River Meridian

Ln. East true line between sec. 27 & 34.
var. $15^{\circ}43'$ East

40.00 Set a post, marked $1/4$ S. 4 ft long, flat-
tened 3 in. wide, 1 ft in the ground, drive
chained stone and build mound of earth
2 ft high, with pits 1 ft deep, 2 ft long, 1 ft
wide, as per instructions for $1/4$ sec. cor. from which
a Pine, 30 in. dia. br. North 100 lbs. dist.

do. 26 " " $S 30^{\circ} N.$ 138 " "

In deep canon, brs. S.W. and N. E.

80.00 Set a post, marked & notched, 4 ft long,
3 in. sq. ft. in the ground, and build mound
of stones 2 ft high, as per instructions for
cor. to secs. 26, 27, 34 and 35, from which
a Pine, 14 in. dia. br. N. $72^{\circ} N.$ 78 lbs. dist.

do. 24 " " " N. $30^{\circ} E.$ 63 " "

do. 43 " " " $S 75^{\circ} E.$ 71 " "

do. 37 " " " $S 40^{\circ} N.$ 30 " "

Land broken, rough. Soil poor.

Heavy Pine timber.

Traverse Line from 5th Standard N. 35

BOOK 1387

In Township 21 N. Range 5 E.

Gila & Salt River Meridian

Sec. South traverse line bet sec. 34 & 35.

var $15^{\circ}43'$ East

40.00 Set a post, marked 74 S. 4 ft long, flat
tined 3 in. wide, 1 ft in the ground and
built around of stones 2 ft high, as per
instructions for 74 sec cor. from which
a Pine, 39 in. dia. to S. 15° E. 32 rods dist.

1 do. 20 " " " N. 70° W. 23 " "

80.00 Fifth Standard Parallel N. Set a post,
marked and notched, 4 ft long, 3 in. dia.
1 ft in the ground, and built around of
stones 2 ft high as per instructions for
cor. to Secs. 34 and 35, from which

a Pine, 28 in. dia. to N. $80\frac{1}{2}^{\circ}$ E. 32 rods dist.

do. 31 " " " N. 21° W. 76 " "

Land broken. Soil poor. Some Grass.
Many Pine timber.

BOOK 1387

S. Boundary of Township 21 N. R. 5 E.
Gila and Salt River Meridian

As. West on S. Boundary sec. 34.
var $15^{\circ}43'$ East

23.00 A Pine 30 in. dia.

40.00 Set a post, marked $\frac{1}{4}$ S. 4 ft long,
flattened 3 in wide, 1 ft. in the ground,
and build mound of stones 2 ft high
as per instructions for $\frac{1}{4}$ sec. cor.
from which

A Pine, 32 in. dia. br. North 16 lvs. dist

do. 12 " " " N. 70° E. 76. "

I attempt to continue W. and
at 71.00 chs. intersect impassable
canon of great depth and width
and succeeded by a second of like

dimensions. These canons come in from the
N.E. run a short distance S.W., then turn and
continue in a tortuous course, completely
breaching up the ground in Secs. 32, 33, and the
S. $\frac{1}{2}$ of sec. 34, in Twp. 21 N. R. 5 E. and per-
haps for a half mile wide N and S. and 3 miles
East W. to the S. of the Standard, which
latter fact, (if such) I shall ascertain in the
survey of Twp. 20. N. R. 5 E.

N. & S. of the line above run the land is broken. Softwood
and Heavy Pine timber. Some Oak Brush.

S. Boundary of Sp. 21 N. R. 5 E.
Gila and Salt River Meridian

- No. East or S. Boundary Sec. 35.
var. $15^{\circ}43'$ East.
- 40.00 Set a post, marked 74 S. 4 ft long, flattened,
3 in. wide, 1 ft in the ground, and build
mound of stones 2 ft high, as per in-
structions for 74 sec. or, from which
a Pine, 32 in. dia. to, N. $66^{\circ}W$. 28 cordet
- do. 12 " " " N. $18^{\circ}E$. 127 " "
- 80.00 Set a post, marked and notched, 4 ft
long, 3 in. sq. 1 ft in the ground, drive
charred stake and build mound of earth
2 ft high, with pits $1\frac{1}{2}$ ft deep, 2 ft long
1 ft wide, as per instructions for cont. Secs.
35 & 36, from which
- a Pine, 36 in. dia. to, N. $22\frac{1}{2}^{\circ}E$. 100 cordet
- do. 30 " " " N. $78^{\circ}W$. 87 " "
- Mostly level and grassy.
Some good soil.
Heavy Pine timber.

S. Boundary of Township 21 N. R. 5 E.
Gila and Salt River Meridian

36.00 East on true line on S. Boundary sec. 36.
var $15^{\circ} 43'$ East.

40.00 Set a post, marked $1/4$ S. $1/4$ fl. long, flattened
3 in. wide, 1 ft. in the ground, and build
mound of stones 2 ft. high, as per in-
structions for $1/4$ sec. cor. from which
A Pine, 20 in. dia. br. N. 66° E. 21 lvs. dist.
do. 30 " " " N. $70\frac{1}{2}^{\circ}$ W. 117 " "

80.00 Set a post, marked and notched,
 $4\frac{1}{2}$ ft. long, 4 in. sq. d., 1 ft. in
the ground, and build mound
of stones $2\frac{1}{2}$ ft. high as per instruc-
tions for cor. to Tps. 21 N. Ranges
5 and 6 E. from which
A Pine, 29 in. dia. br. N. 39° W. 65 lvs. dist.
do. 30 " " " N 38° E. 117 " "

Land rolling and grassy. Some
good soil. Many Pine timber

August 30. 1878.



S. Boundary of Tr. 21 N. R. 6 E.

Gila & Salt River Meridian

August 31, 1878

As. East on true line on S. Boundary sec. 31.
var. 15° 47' East

As per Buets Solar Compass

10.63 Fence N. & S. and enter Roger's corral, and
scattering timber.

29.00 Fence S. W. and leave " "

40.00 Set a post, marked 4 S. 4 ft. long, flattened
3 in. wide, 1 ft. in the ground, and build
mound of stones 2 ft. high, as per instructions
for 4 sec. cor. from creek

A Pine, 12 in. dia. brs. N 15° W. 25 lbs. dia.

do. 10 " " " S. 78° E. 33 " "

And from cor. leave timber N.W. & S.E., enter fine
open park, with moist soil.

80.00 Set a post, marked & notched, 4 ft. long, 3 in. sqd.
1 ft. in the ground, drive charred stake and build
mound of earth 2 ft. high, with pit 1 ft. deep, 2 ft.
long, 1 ft. wide, as per instructions for com. to sec.

31 & 32. No trees near. Land, descending

Even then flat & smooth & 1st rate soil.

Some Heavy Pine timber.

Roger's House brs. from this last cor. N. 74½° W.

S. Boundary of Tr. 21 N. R. 6 E.

Gila Salt River Meridian

Pos. East on true line on S. Boundary sec. 32.
 var. $15^{\circ}47'$ E.

40.00 Set a post, marked $\frac{1}{4}$ S. 4 ft. long,
 flattened 3 in. wide, 1 ft. in the ground,
 drive charred stake and build
 mound of earth 2 ft. high with pits
 $1\frac{1}{2}$ ft. deep, 2 ft. long, 1 ft. wide, as per
 instructions for $\frac{1}{4}$ sec. cor.

No trees near.

80.00 Set a post, marked and notched,
 4 ft. long, 3 in. sq'd., 1 ft. in the ground,
 drive charred stake and build
 mound of earth 2 ft. high, with
 pits $1\frac{1}{2}$ ft. deep, 2 ft. long, 1 ft. wide,
 as per instructions for cor. to Secs.
 32 and 33.

In fine open park.

Level. Rate and moist soil.
 No timber. Grass.

S. Boundary of Township 21 N. R. 6 E.

Gila and Salt River Meridian

- 10.00 East on S. Boundary Sec. 33.
var. $15^{\circ} 47'$ E.
- 12.00 Leave open Park, enter timber N + S.
Ascending E.
- 40.00 Set a post, marked $\frac{1}{4}$ S. 4 ft. long, flattened
3 in. wide, 1 ft. in the ground, and build
mound of stones 2 ft. high as per
instructions for 4 sec. cor. from which
a Pine, 32 in. dia. br. S. 31° W. 20 lbs. dit.
do. 29 " " " N. 65° E. 42 " "
- 80.00 Set a post, marked and notched,
4 ft. long, 3 in. sq. d. 1 ft. in the ground,
and build mound of stones 2 ft.
high as per instructions for cor. to
secs. 33 and 34, from which
a Pine, 32 in. dia. br. N. $8\frac{1}{2}^{\circ}$ E. 100 lbs. dit.
do. 28 " " " N. 25° W. 109 " "
- Level then broken. Some good soil
W. Grass. Heavy Pine timber.

BOOK 1387

S. Boundary Township 21 N. R. 6 E.
Gila and Salt River Meridian

On East on S. Boundary sec. 34
var 15° 47' East.

40.00 Set a post, marked $\frac{1}{4}$ S. 4 ft long, flattened 3
in. wide, 1 ft in the ground, drive charred stake
and build mound of earth 2 ft high, with
pit $\frac{1}{2}$ ft deep, 2 ft long, 1 ft wide, as per in-
structions for $\frac{1}{4}$ sec. cor. from which
a Pine 18 in. dia. br. S. 2° W. 24 lbs. dist.

do. 30 " " " N. 42½° E. 73 " "

44.00 Enter deep rocky dry wash, coming in from
N. W. and run along in it.

62.00 Leave dry wash brs. N. of E. and disappear
in a short distance in level ground.

80.00 Set a post, marked and notched, 4 ft long, 3 in.
sq. d. 1 ft in the ground, drive charred stake and
build mound of earth 2 ft high, with pit $\frac{1}{2}$ ft deep, 2
ft long, 1 ft wide, as per instructions, for cor. to Sec.

34 and 35. from which

a Pine 30 in. dia. br. N. 30° W. 45 lbs. dist.
do. 39 " " " N. 49° E. 54 " "

Sand broken hill then level. Mostly poor.
Goes. Heavy Pine timber.

S. Boundary Township 21 N. R. 6 E.
Gila and Salt River Meridian

Cor. East on S. Boundary sec. 35.
var. $15^{\circ}47'$ East.

0.25 A Pine 40 in. dia.

40.00 Set a post, marked $\frac{1}{4}$ S. $\frac{1}{4}$ flong, flattened 3
in. wide, 1 ft in the ground, drive charred stake
and build mound of earth 2 ft high, with pits
 $\frac{1}{4}$ ft deep, 2 ft long, 1 ft wide, as per instructions for
 $\frac{1}{4}$ sec. cor. from which

A Pine, 30 in. dia. br. S. 26° W. 31 lbs. dist.

do. 28 " " " N 17° E. 20 " "

43.65 A Pine 24 in. dia.

43.71 do. 18 " "

80.00 Set a post, marked $\frac{3}{4}$ notched, $\frac{1}{4}$ flong, 3 in. sq'd,
1 ft in the ground, drive charred stake and build
mound of earth 2 ft high, with pits $\frac{1}{4}$ ft deep, 2 ft long,
1 ft wide as per instructions for cor. to secs. 35 & 36. from which

A Pine, 24 in. dia. br. N. 2° E. 2 lbs. dist.

do. 20 " " " N. 67° W. 59 " "

Land smooth & grassy. Soil poor.

Heavy Pine timber.

BOOK 1387

S. Boundary of Tps. 21 N. R. 6 E.

Gila and Salt River Meridian

No. East, on true line on S. Boundary Sec. 36.
var. $15^{\circ} 47'$ East.

- 8.90 A Pine 74 in. dia.
- 40.00 Set a post, marked 148, 4 ft. long, flattened
3 in. wide, 1 ft. in the ground, drive charred
stave & build mound of earth 2 ft. high, with
pits $1\frac{1}{2}$ ft. deep, 2 ft. long, 1 ft. wide, as per
instructions for 1/4 sec. cor. from which
A Pine, 12 in. dia. br. S. 67° W. 26. Ls. dist.
do. 28 " " N. 65° E. 47 " "
- 80.00 Set a post, marked & notched, $4\frac{1}{2}$ ft. long,
4 in. sqd. 1 ft. in the ground, and build a
mound of stones $2\frac{1}{2}$ ft. high, as per in-
structions for cor. to Tps. 21 N. R. 6 E.
6 and 7 E. from which
A Pine, 25 in. dia. br. N. $2\frac{1}{2}$ W. 3 Ls. dist.
do. 24 " " N. 20° E. 21 " "
- Land smooth, grassy, then broken and
poor. Heavy Pine timber.
- August 31, 1878.

S. Boundary of Twp. 21 N. R. 14 E.
 Gila & Salt River Meridian

August 31. 1878.
 No. East true line on S. boundary Sec. 31.
 var. $15^{\circ} 50'$ East

As per Burt's Solar Compass.

40.00 Set a post, marked 14 S. 4 ft long, flattened 3 in.
 wide, 1 ft in the ground, drive charred stake &
 build mound of earth 2 ft high, with pits 1 ft
 deep, 2 ft long, 1 ft wide, as per instructions for
 1/4 sec. cor. from which

A Pine, 36 in. dia. br. N. 50° W. 8 lns. dist.

do. 41 " " " N. 73° E. 21 " "

80.00 Set a post, marked & notated, 4 ft long, 3 in.
 sq. d. 1 ft in the ground, drive charred stake and
 build mound of earth 2 ft high, with pits 1 ft
 deep, 2 ft long, 1 ft wide, as per instructions
 for cor. to Secs. 31 and 32. from which

A Pine, 28 in. dia. br. N. 2° E. 33 lns. dist.

do. 31 " " " N. 37° W. 56 " "

Land broken, then level. Some good soil
 Grass. Many Pine timber.

BOOK 1387

S. Boundary Township 21 N. Range 7 E
Gila and Salt River Meridian

No. East true line on S. Boundary sec. 32,
var. $15^{\circ}50'$ East

40.00 Set a post, marked $\frac{1}{4}$ S. 4 ft long, flattened 3 in.
wide, 1 ft in the ground, drive charred stake &
build mound of earth 2 ft high, with pits $1\frac{1}{2}$ ft
deep, 2 ft long, 1 ft wide, as per instructions for
 $\frac{1}{4}$ sec. cor. from which

A Pine, 24 in. dia. to, N. 63° E. 10 cor. dist.

do. 25 " " " N. 34° W. 43 " "

80.00 Set a post, marked & notched, 4 ft long, 3
in. sq. 1 ft in the ground, drive charred
stake and build mound of earth 2 ft high,
with pits $1\frac{1}{2}$ ft deep, 2 ft long, 1 ft wide,
as per instructions for cor. to sec. 32 and
33. from which

A Pine, 25 in. dia. to, N. 52° W. 7 cor. dist.

do. 24 " " " N. 71° E. 15 " "

Smooth. Some good soil.

Grass. Heavy Pine timber.

S. Boundary of Twp. 21 N. R. 7 E.
Gila & Salt River Meridian

No. Cast iron line on S Boundary sec. 33.

Var. $15^{\circ} 50'$ East40.00 Set a post, marked 14 S. 4 ft long, flattened 3 in wide
1 ft in the ground, drive charred stake $\frac{3}{4}$ in dia
of earth 2 ft high, with pits $1\frac{1}{2}$ ft deep, 2 ft long, 1 ft wide,
as per instructions for 4 sec. cor. from whichA Pine, 36 in. dia. brs, N. $33\frac{1}{2}^{\circ}$ W. 37 lbs. dist.do. 32 " " " N. 54° E. 48 " "

43.75 A Pine, 30 in. dia.

44.77 do. 29 " "

45.81 do. 26 " "

80.00 Set a post, marked & notched, 4 ft long, 3 in. sq. ft.
1 ft in the ground, drive charred stake $\frac{3}{4}$ in dia
mound of earth 2 ft high, with pits $1\frac{1}{2}$ ft deep, 2
ft long, 1 ft wide, as per instructions for cor. to
sec. 33 and 34. from whichA Pine, 38 in. dia. brs, N. 70° E. 54 lbs. dist.do. 30 " " " N. 4° W. 103 " "Land rolling the smooth. Some good soil.
Grass. Heavy Pine timber.

S. Boundary Township 21 N. R. 7 E.

Gila & Salt River Meridian

No. East on S. Boundary of sec. 34,
var $18^{\circ} 57' E.$

40.00 Set a post, marked "4 S. 4 ft. long, flattened
3 in. wide, 1 ft. in the ground, drive chared stake
and build mound of earth 2 ft high, with pits
1 1/2 ft deep, 2 ft long, 1 ft wide, as per instruc-
tions for 44 sec. cor. from which

A Pine, 30 in. dia. br. N. $50^{\circ} N.$ 108 lbs. dist.

do. 20 " " " N. $38^{\circ} E.$ 119 " "

80.00 Set a post, marked and notched, 4 ft long,
3 in. sq. 1 ft in the ground, and build a
mound of stones 2 ft high, as per in-
structions for cor. to secs. 34 & 35.
from which

A Pine 30 in. dia. br. N. $76^{\circ} E.$ 82 lbs. dist.

do. 31 " " " N. $38^{\circ} N.$ 8 " "

Land rolling. Soil good, then poor
last end. Grass.

Heavy Pine timber.

S. Boundary Township 21 N. R. 7 E.
Gila & Salt River Meridian

Rs. East on S. Boundary sec. 35.
var $15^{\circ}50'$ East.

13.00 A Pine 20 in. dia.

40.00 Set a post, marked 14 S. 4 ft long, flattened 3
in. wide, 1 ft. in the ground, drive charred
stake and build mound of earth 2 ft high,
with pit 1 1/2 ft deep, 2 ft long, 1 ft wide, as
per instructions for 14 sec. cor. from which
A Pine 37 in. dia. br. N. 65° W. 34 lns. dist
do. 35 " " " N 10° E. 40 " "

80.00 Set a post, marked and notched, 4 ft long,
3 in. sq. d. 1 ft. in the ground, and build
mound of stones 2 ft high, as per in-
structions for cor. to Secs. 35 & 36,
from which
A Pine, 21 in. dia. br. N. 41° W. 92 lns. dist
do. 22. " " " N. 4° E. 95 " "

Land rolling and broken.
Soil mostly poor. Grass.
Nearby Pine timber.

S. Boundary of Township 21 N. R. 7 E.
Gila and Salt River Meridian

- As. East extreme line on S. Boundary Sec. 36.
var. 15° 50' East.
- 36.00 Enter flat cañon NW. and SE, with
scattering timber.
- 40.00 In bottom of cañon. Set a post, marked
1/4 S. 4 ft long, flattened 3 in wide, 1 ft
in the ground, drive charred stake
and build mound of earth 2 ft high,
with pits 1 1/2 ft deep, 2 ft long, 1 ft wide,
as per instructions for 14 sec. cor. from which
A Pine, 30 in. dia. br. N. 70° W. 328 lbs. dia. br.
do 30 " " " N. 85° E. 342 " "
- 56.00 Ascend wall of cañon br. S. E.
- 61.00 Indian cave with ornamented walls, br.
S. about 100 lbs. dia. br., and descend
- 62.00 Ascend second wall of cañon br. S.
- 65.00 Pop and run over broken ground.
- 72.00 Ascend again N. & S.
- 75.00 Pop and high level table.
- 79.44 A Pine 31 in. dia.
- 80.00 Set a post, marked and notched

Rs. Continued

1 1/2 ft long, 4 in. sq. d. 1 ft in the ground,
and build mounds of stones
2 1/2 ft high, as per instructions
for cor. to Townships 21 N.
Ranges 7 and 8 E.
from which

1 Pine. 2 Birch. N. 24° E. 81 Cu. d. c.

do. 31 " " N. 13 1/2° W. 118 " "

Land level then very rough and
broken. Good and Poor.

Some Heavy Pine timber.

August 31. 1878.

General Description.

The foregoing are the field notes of that portion of the Fifth Standard Parallel N. forming the S. Boundary of Townships 21 N. Rps. 3. 4. 5. 6 and 7 E., and from it I shall survey exterior and subdivision lines of Townships covering timber land adjacent.

The line described in these field notes was carefully blazed, the line trees notched and bearing trees properly marked.

John L. Harris
U.S. Deputy Surveyor.

Between Tps. 21 N. Rgs. 4 & 8 E,
Gila and Salt River Meridian

September 2, 1878.

Sec. From the cor. to Tps. 21 N. Rgs. 4 & 8 E. In line
North between secs. 31 and 36.
Var. $15^{\circ}45'$ East.

As per Buitt's Solar Compass.

40.00 Set a post, marked $1/4$ S. $4/4$ long, flattened 3 in. wide, 4 ft
in the ground, drive charred stake and build mound of earth
2 ft high, with pits 1 ft deep, 2 ft long, 1 ft wide, as per in-
structions for 14 sec. cor. from which

A Pine, 38 in. dia. br. N. 29° E. 31 lbs. dist.

do. 36 " " S. 50° W. 56 " "

72.32 A Pine 31 in. dia.

80.00 Set a post, marked & unstaked, $4/4$ long, 3 in. sq. in. the ground,
drive charred stake & build mound of earth 2 ft high, with
pits 1 ft deep, 2 ft long, 1 ft wide, as per instructions for sec. to Sec.
25. 30. 31 & 36. from which

A Pine, 32 in. dia. br. N. 56° E. 68 lbs. dist.

do. 28 " " S. 55° E. 91 " "

do. 30 " " S. 62° W. 124 " "

do. 22 " " N. $54\frac{1}{2}^{\circ}$ E. 124 " "

Smooth table land. Mostly poor. Grass. Heavy Pine timber.

Between Tps. 21 N. Rgs. 7 & 8 E.
Gila and Salt River Meridian

Co. North between secs. 25 & 30,
var. 15° 45' East

40.00 Set a post, marked 4 S. 4 ft long, flattened 3 in. wide,
1 ft in the ground, drive charred stake and build
mound of earth 2 ft high, with pits 1 ft deep, 2 ft long,
1 ft wide, as per instructions, for 74 sec. cor. from which
A Pine, 40 in. dia. bro. N. 11½° W. 34 lbs. dist.
do 34 " " S. 5° E. 108 " "

80.00 Set a post, marked and notched, 4 ft long, 3
in sq. d. 1 ft in the ground, drive charred stake
and build mound of earth 2 ft high, with pits
1 ft deep, 2 ft long, 1 ft wide, as per instructions for
cor. to secs. 19, 24, 25 and 30, from which
A Pine, 28 in. dia. bro. S. 48° E. 61 lbs. dist.
do. 29 " " N. 31° E. 87 " "
do. 30 " " N. 12° W. 86 " "
do. 27 " " S. 60° W. 111 " "

Smooth table land. Soil poor.
Grass. Heavy Pine timber.

Between Township 21 N. R. 24 E.

Sila @ Salt River Meridian

Chs. North between sec. 19 & 20.
 var. $15^{\circ}45'$ East

Set 2 Pine tree 30 in. dia.

40.00 Set a post, marked 4 S. 4 ft. long, flattened 3 in. wide, ft
 in the ground, drive charred stake and build mound
 of earth 2 ft high, with pits 1 ft deep, 2 ft long, 1 ft wide,
 as per instructions for 4 sec. cor. from which

A Pine, 30 in. dia. br. N. 79° E. 53 lvs. dist.

do. 36 " " " N. 65° W. 82 " "

80.00 Set a post, marked and notched, 4 ft long, 3 in.
 sq. d. 1 ft in the ground, drive charred stake and
 build mound of earth 2 ft high, with pits 1 ft deep,
 2 ft long, 4 ft wide, as per instructions for cor. to sec.
 13. 18. 19 & 20. from which

A Pine, 36 in. dia. br. S. 45° E. 67 lvs. dist.

do. 29 " " " N. 11° E. 66 " "

do. 30 " " " N 68° W. 173 " "

do. 21 " " " S. 56° W. 190 " "

Smooth table land. Soil poor.

Grass. Heavy Pine timber.

Between Tps. 21 N. Rps 7 & 8 E.
Gila & Salt River Meridian

Sec. North between secs. 13 & 18.
var. 15° 45' East

3.43 A Pine 34 in. dia.

35.89 do. 28 " "

40.00 Set a post, marked 74 S. 4 ft long, flattened
3 in wide, 1 ft in the ground, drive chared
stake and build mound of earth 2 ft high
with pits 1 ft deep, 2 ft long, 1 ft wide as per
instructions for 74 sec. cor. from which
A Pine, 34 in. dia. br. N. 57° E. 86 lbs. dia.
do. 39 " " " S. 33° W. 86 " "

80.00 Set a post, marked & notched, 4 ft long, 3 in x 4 in
1 ft in the ground, drive chared stake and build
mound of earth 2 ft high, with pits 1 ft deep, 2
ft long, 1 ft wide, as per instructions for cor. to secs
7. 12. 13 and 18. from which

A Pine. 30 in. dia. br. S 50° W. 39 lbs. dia.
do. 23 " " " N 25° W. 64 " "
do. 28 " " " N. 53° E. 66 " "
do. 29 " " " S 54 1/2° E. 93 " "

Land rolling, soil poor.
Goes. Heavy Pine timber.

Between Tps. 21 N. Rps. 7 & 8 E.
Gila and Salt River Meridian

Tps. North between sees. 7 & 12
var $15^{\circ}45'E$.

40.00 Set apart, marked 14 S. 4 ft long, flattened 3
in. wide, 1 ft in the ground, and charred stone
and built mound of earth 2 ft high with pit 4 ft
deep, 2 ft long, 4 ft wide, as per instructions for the sec. cor. from which

A Pine, 28 in. dia. br. N. $38^{\circ}N$. 152 lbs. dist.

do. 29 " " " N. $72^{\circ}E$. 144 " "

52.80 The overland road br. N. W and E.

53.05 A Pine 28 in. dia.

63.93 do. 26 " "

76.50 Dry rocky gulch 50 lbs wide br. SE.

80.00 Set apart, marked & scratched, 4 ft long, 3 in sq ft,
1 ft in the ground, and built mound of stones
2 ft high as per instructions for cor. to sees.

1.6.7 and 12. from which

A Pine, 32 in. dia. br. N. $70^{\circ}E$. 82 lbs. dist.

do. 30 " " " S. $54^{\circ}N$. 108 " "

do. 29 " " " S. $33^{\circ}E$. 90 " "

do. 27 " " " N $58^{\circ}N$. 156 " "

over

Between Tps. 21 N. Rps. 7 & 8 E.
Gila and Salt River Meridian

Chs. North between sec. 7 & 12 (Concluded.)
Land smooth then broken. Poor for
most part. Scat. oak trees and brush.
Heavy Pine timber.

In less than $\frac{1}{2}$ mile N. of the
cor. to sec. 1. 6. 7 and 12, the line
intersects impassable precipitous
S. side of the Extreme E. end of
the San Francisco mountains.
The timber disappears, the ground is
broken with immense boulders, the
soil is non-mineral and worth-
less.

Therefore I run no further N.
on this line.

September 2, 1878.

Between Tps. 21 N. Rps. 6 & 7 E.
Gila and Salt River Meridian

September 2, 1878.

Run from the standard cor. to Tps. 21 N. Rps. 6 & 7 E. Run
North between secs. 31 & 36,
run 15° 49' East

A few Bunt solar Compass.

10.00 Squash in deep pan, 20 lbs. wide, brs. N. E.

110.00 Set a post, marked 4 ft long, flattened 3 in. wide,
1 ft in the ground, and build mound of stone 2
ft high, as per instructions for 14 sec. cor. from which
A Pine, 30 in. dia. brs. N. 30° E. 12 hrs. dist.

do. 36 " " " S. 40° W. 26 " "

80.00 Set a post, marked and notched, 4 ft long, 3 in.
sqd. 1 ft in the ground, drive channel stone and
build mound of earth 2 ft high, with pits 1 ft
deep, 2 ft long, 1 ft wide, as per instructions for
cor. to secs 25, 30, 31 and 36, from which

A Pine 28 in. dia. brs. N. 5° E. 4 hrs. dist.
do. 26 " " " N 30° W. 4 " "
do. 29 " " " S 30° E. 47 " "
do. 34 " " " S. 40° W. 158 " "

Land broken and rough.

Soil poor. Grass.

Strang Pine timber.

Between Tps. 21 N. Rgs. 6 & 7 E.
Gila and Salt River Meridian

Rs. North between secs 25 & 30
Mar 15 1899

40.00 Set apart, marked 14 S. 4 ft long, flattened
3 in. wide, 1 ft in the ground, drive charred stakes
and build mound of earth 2 ft high, with
pits 1 ft deep, 2 ft long, 1 ft wide, as per instruc-
tions, for 14 sec. cor. from which
a Pine, 28 in. dia. br. N. 28° E. 48 lcs. dist.
do. 41 " " " S. 71° W. 54 " "

80.00 Set apart, marked and notched, 4 ft long
3 in. sq. d. 1 ft in the ground, drive charred stakes
and build mound of earth 2 ft high, with
pits 1 ft deep, 2 ft long, 1 ft wide, as per instruc-
tions, for cor. to Secs. 19, 24, 25 and 30.
from which
a Pine, 20 in. dia. br. S 1° E. 28 lcs. dist.
do. 30 " " " S 40° W. 142 " "
do. 31 " " " N. 27 1/2° W. 94 " "
do. 12 " " " N. 5° E. 105 " "

Land smooth rolling. Soil poor.
Grass. Heavy Pine timber.

Between Tps. 21 N. Rps. 6th & 7th E.
Gila and Salt River Meridian

Rs. North between secs. 19th & 24th
Sec. 13th 4th East.

40.00 Set apart, marked 4 S. 4 ft long flattened 3 in.
sq. d. 1 ft in the ground, divi charred stone &
build mound of earth 2 ft high with pit 1 ft
deep, 2 ft long, 1 ft wide, for 1/4 sec. cor. from which
A Pine, 36 in. dia. br. S. 11° E. 198 lbs. dist.
do. 37 " " " N. 70° E. 212 " "
And cuts open space br. N. of E.

56.60 The Overland road br. N. of E. & S. of W.

60.00 Recurd.

74.00 Top of ascending.

80.00 On high rolling table, br. E. & W. Set apart, marked
and notched, 4 ft long, 3 in. sq. d. 1 ft in the ground,
and build mound of stones 2 ft high as per in-
structions, for cor. to secs. 13, 18, 19th & 24th. from which

A Pine, 26 in. dia. br. N. 17° E. 27 lbs. dist.
do 24 " " " N 41° W. 82 " "
do 28 " " " S 73° W. 70 " "
do 27 " " " S 36° E. 29 " "

Land level then ascending N. Some good soil
Grass, some Heavy Pine timber.

Between Tps. 21 N., Rps. 6 & 7 E.
Gila and Salt River Meridian

To North, between secs. 13 & 18.
var. $15^{\circ}49'$ East

40.00 Set a post, marked $\frac{1}{4}$ S. of long, flattened
3 in. wide, 1 ft. in the ground, drive charred stake &
build mound of earth 7 ft. high, with pits 4 ft.
deep, 2 ft. long, 1 ft. wide, as per instructions for $\frac{1}{4}$
sec. cor. from which

Alme, 31 individuals South 21 hrs. dist
do. 25 " " " N. $44\frac{1}{2}^{\circ}$ E. 71 " "

80.00 Set a post, marked and notched, 4 ft. long, 3 in.
sq. in the ground, drive charred stake and
build mound of earth 7 ft. high, with pits 4 ft. deep,
2 ft. long, 1 ft. wide, as per instructions for cor. to
secs. 7, 12, 13 and 18, from which

Alme, 39 individuals N. 70° W. 23 hrs. dist
do. 28 " " " S. 62° W. 46 " "
do. 29 " " " S 54° E. 68 " "
do. 31 " " " N. 64° E. 133 " "

Land rolling, mostly poor, Grasses.
Many Pine timber.

Between Tps. 21 N. Rps. 6th & E.
Gila and Salt River Meridian

Sec. North between Secs. 7 & 12.
var 15° 49' East.

40.00 Set a post, marked $\frac{1}{4}$ S. 4 ft. long, flattened
3 in. wide, 4 ft. in the ground, and build
mound of stones 2 ft. high, as per instruc-
tions for $\frac{1}{4}$ sec. cor. from which

A Pine, 30 in. dia. br. S. 68° E. 58 lbs. dist
do. 39 " " " S. 50° W. 60 " "

30.00 Set a post, marked and notched, 4 ft
long, 3 in. sq. d. 4 ft. in the ground, and
build mound of stones 2 ft. high, as
per instructions for cor. to Secs. 1, 6, 7
and 12. from which

A Pine, 29 in. dia. br. N. 44° W. 56 lbs. dist
do. 36 " " " S 43° W. 60 " "
do. 29 " " " S 45° E. 70 " "
do. 28 " " " N. 87° E. 189 " "

Sand rolling and smooth. Soil
stony and poor. Grass.
Heavy Pine timber.

Between Tps. 21 N. Rgs. 6 $\frac{1}{2}$ E.
Gila and Salt River Meridian

hs. North between secs. 1 & 6.
var. 15° 49' East.

1.70 A Pine 30 in. dia.
40.00 Set a post, marked $\frac{1}{4}$ S. of long flattened 3
in wide, 1 ft in the ground, drive charred stakes and
build mound of earth 2 ft high, with pit 4 ft
dep. 2 ft long, 4 ft wide, as per instructions for
from which
A Pine, 29 in. dia. br. N. 78° W. 15 lbs. dist.
do. 24 " " " S. 76° E. 82 " "

46.33 A Pine 37 in. dia.

65.00 Deep rocky cañon, 200 lbs. wide, br. N.E.

80.00 Set a post, marked & notched, 4 $\frac{1}{2}$ ft long, 4 in.
sqd. 1 ft in the ground, and build mound of
stones $\frac{1}{2}$ ft high as per instructions for
arr. to Tps. 21 $\frac{1}{2}$ 22 N. Rgs. 6 $\frac{1}{2}$ E. from which

A Pine, 26 in. dia. br. S. 36 $\frac{1}{2}$ ° E. 33 lbs. dist.
do. 29 " " " S 10° W. 39 " "
do. 24 " " " N 30° E. 38 " "
do. 36 " " " N 58° W. 67 " "

Rolling, broken, and poor. Stony.
Grass. Heavy Pine timber

September 2, 1878.

Between Tps. 21 & 22 N. Range 7 E.
Gila & Salt River Meridian

September 3. 1878.

Pos. From the cor. to Tps. 21 and 22 N. Rgs.
6 and 7 E. Iron
East true line between sec. 6 & 31.
var. $15^{\circ} 57'$ East

As per Burt's Solar Compass

And allowing 51 lbs. for convergence of feet

39.49 Set a post marked $\frac{1}{4}$ S. 4 ft. long, flattened 3 in wide,
1 ft in the ground, and build mound of
earth 2 ft high, with pits 1 ft deep, 2 ft long, 1 ft wide, as
per instructions for 1 sec. cor. from which

A line, 24 in dia. brs, N. 40° E. 26 lbs. dist.

do. 29 " " " S 24° W. 38 " "

79.49 Set a post, marked & notched, 4 ft long, 3 in. sqd.

1 ft in the ground, and build mound of stones 2 ft
high, as per instructions for cor. to sec. 5, 6, 31 & 32. from which

A line, 28 in dia. brs, N. $53\frac{1}{2}^{\circ}$ W. 47 lbs. dist.

do 25 " " " S 72° W. 124 " "

do 26 " " " S 89° E. 41 " "

do 36 " " " N 45° E. 122 " "

Rolling, broken and poor.

Grass. Heavy Pine timber.

Between Tps. 21 & 22 N. Range 7 E.
Gila and Salt River Meridian

As. Section line bet sees. 5 & 32
var. 15° 52' E.

- 17.50 Saw timber S.E. & NW. and center of opening.
- 21.00 By stream, 25 lbs. wide, brs S.E.
- 40.00 Set a post, marked 4 S. 4 ft long, flattened
3 in. wide, 1 ft in the ground, drive charred
stake and build mound of earth 2 ft high,
with pits 1 ft deep, 2 ft long, 1 ft wide, as per in-
structions, for 14 sec. cor. No trees near.
- 49.00 Ranch road brs NW. and S.E.
- 80.00 Set a post, marked and notched, 4 ft long, 3
in. sqd. 1 ft in the ground, drive charred stake
and build mound of earth 2 ft high, with
pits 1 ft deep, 2 ft long, 1 ft wide, as per in-
structions, for cor. to sees 4, 5, 32 and 33
from which
- A pine, 26 in. dia br. N. 35° W. 295 lbs. dist.
No other trees near. Branch then level
and good. Some ^{Pine} heavy timber
on W. end.

Section Tps. 21¹/₂ 22 N. Range 7 E.
Gila and Salt River Meridian

Sec. 4³/₃₃
var 15° 52' East

24.20 The old Beale road brs. S. E. and N. W.

26.00 Enter scattering timber.

27.13 A Pine 29 in. dia.

40.00 Set a post, marked $\frac{1}{4}$ S. $\frac{1}{4}$ ft. long, flattened 3
in wide, 1 ft in the ground, drive chert stake
and build mound of earth 2 ft high, with pits
 $\frac{1}{4}$ ft deep, 2 ft long, 1 ft wide, for $\frac{1}{4}$ sec. cor. from which
A Pine, 32 in. dia. br. N. 52° W. 175 lbs. dia. E.
do. 29 " " " S. 40° E. 127 " "

41.50 Dry wash, 50 lbs. wide, brs. S.

53.00 Enter heavier timber N and S.

66.00 Dry wash, 10 lbs. wide, brs. S. E.

80.00 Set a post, marked and notched, $\frac{1}{4}$ ft. long, 3 in.

1 ft in the ground, and build mound of stones 2 ft

high, as per instructions for cor. to Secs. 3, 4, 33 & 34, from which

A Pine, 28 in. dia. br. S. 46° W. 152 lbs. dia. E.

do. 26 " " " N 5° W. 83 " "

do. 30 " " " N. 59° E. 204 " "

None near in Sec. 3.

And leave timber NW and S. E.

Land uneven, soil good then poor.

Grass. Considerable Pine timber in places.

Between Tps. 21 & 22 N. Range 7 E.
Gila and Salt River Meridian

Ans. *Eucalyptus laevis* betweens. $3\frac{1}{2}$ 3 st.
var. $15^{\circ} 52'$ East

10.00 Enter timber N.W. and S.E.

40.00 Set a post, marked $\frac{1}{4}$ S. 4 ft long, flat
tined 3 in. wide, 1 ft in the ground. Drive
sharred stake and build mound a foot
2 ft high, with pits 1 ft deep, 2 ft long, 1 ft wide,
as per instructions, for $\frac{1}{4}$ sec. cor. from which

A Pine, 29 in. dia. br. North 45° br. dist.

do. 32 " " " S. 87° W. 148 " "

66.90 Dry wash, 20 ft wide, br. S. E.

70.00 do 50 " " " South

80.00 Set a post, marked and notched, 4
ft long, 3 in. sq. d. 1 ft in the ground,
drive sharred stake and build mound a foot
2 ft high, with pits 1 ft deep, 2 ft long, 1 ft wide,
as per instructions, for cor. to Sec. 2, 3, 34 & 35, from which

A Pine, 32 in. dia. br. N. 48° W. 57 br. dist.

do. 24 " " " S. 5° W. 119 " "

do. 29 " " " S. $63\frac{1}{2}^{\circ}$ E. 129 " "

do. 30 " " " N. 72° E. 188 " ("over)

Obs. Concluded—

Land level then broken and poor.
Grass. Mostly Heavy Pine timber.

In less than $\frac{1}{2}$ mile E. of cor. to
Secs. 2, 3, 34 and 35, the line
intersects the impracticable and
worthless side of the E. end of
the San Francisco mountains.

I can run no further E. with this
line.

September 3, 1878.

Between Tps. 20 N. Rps. 7 & 8 E.
Gila and Salt River Meridian

September 9. 1878.

As. From the standard cor. to Tps. 21 N. Rps.
7 and 8 E. Iron
West along the Standard.

var. $15^{\circ}50' E.$

As per standard line, and at

13. 50 Being the calculated convergency of
meridians at this point, I set a post,
marked and scratched, $4\frac{1}{2}$ ft. long, 4
in. sq'd. 4 ft. in the ground and build
mound of stones $2\frac{1}{2}$ ft. high, as per
instructions for closing cor. to Tps.
20 N. Rps. 7 and 8 E. from which
A Pine, 30 in. dia. br. S. $23^{\circ} E.$ 45 lbs. dist
A Fir, 26 " " " S. $40^{\circ} N.$ 88 " "
Broken, mostly from timber scattering.

From the closing cor. to Tps. 20. Rps. 7 & 8 E. Iron
South on true line bet. secs. 1 & 2.
var. $15^{\circ}40'.$

As per Burt's solar compass

Between Tps. 20 N. Rps. 7 & 8 E.
Gila and Salt River Meridian

As Continued—

10.00 Descend into canon brs. S. W. & N. E.

20.00 Ascend from " " S. W. & N. E.

40.00 Set a post marked 74 S. 4 ft long, flattened
3 in wide, 1 ft in the ground and build mound
of stone 2 ft high, as per instructions for
74 sec. cor. from which

A Pine, 33 in. dia. brs. S. 20° W. 11 hrs. dist.

do. 29 " " " N. 55° E. 108 " "

80.00 Set a post, marked and notched, 4 ft long,
3 in. sqd. 1 ft in the ground and build mound
of stone 2 ft high, as per instructions for cor.
to secs. 1, 6, 7 and 12. from which

A Pine, 30 in. dia. brs. N. 56° E. 89 hrs. dist.

do. 29 " " " S. 47° E. 59 " "

do. 31 " " " S. 45° W. 111 " "

do. 32 " " " N. 85° W. 93 " "

Along steep E. slope of canon to the W.
Poor and broken. Heavy Pine timber.

Between Tps. 20 N. Rgs. 7 & 8 E.
Gila and Salt River Meridian

No. South between sec. 14 & 12
var. 15° 40' East

40.00 Set a post, marked 14 S. 4 ft long, flattened 3 in ends,
1 ft in the ground, and build mound of stones 2
ft high, as per instructions for 14 sec. cor. from which
a Pine, 30 in dia. br. N 40° W. 27 hrs. dist

do. 24 " " " S 20° E. 60 " "

49.00 N. Wall of canon brs SE - N. W.

53.00 Bed of stream 50 hrs. wide, with water flows S.E.

54.39 S. wall of canon brs SE - N. W.

80.00 Set a post, marked and notched, 4 ft long,
3 in sq. 1 ft in the ground, and build mound
of stones 2 ft high, as per instructions for cor.
to sec. 7, 12, 13 and 18, from which

a Pine 40 in dia. br. N. 32° E. 35 hrs. dist

do. 35 " " " S. 55° E. 133 " "

do. 31 " " " S. 12° W. 112 " "

do. 30 " " " N. 53° W. 142 " "

Brown, then level on last end with good
soil. Heavy Pine timber for most part.

Between Tps. 20 N. Rgs. 7th & 8th E.
Gila and Salt River Meridian

No. South, between sec. 13 & 18.
var. 15° 40' East.

40.00 Set a post, marked by a 4 ft long, flattened 3
in wide 1 ft in the ground, drive charred
stave & build mound of earth 2 ft high, with pits
1 ft deep, 2 ft long, 1 ft wide for 4 sec. cor. from which
a Pine, 25 in. dia. br. S. 15° E. 47 lvs. dist.

do. 34 " " " N. 12° W. 77 " "

80.00 Set a post, marked & notched, 4 ft long,
3 in. sq. ft. 1 ft in the ground, and build mound
of stones 2 ft high as per instructions, for cor.
to sec. 13, 18, 19 and 24, from which

a Pine, 33 in. dia. br. N. 89° E. 5 lvs. dist.

do. 29 " " " S. 55° W. 21 " "

do. 22 " " " N. 34° W. 31 " "

do. 28 " " " S. 50° E. 40 " "

Land rolling, some good soil.
Grass, Heavy Pine timber

Between Tps. 20 N. Rps. 7 & 8 E.
Gila and Salt River Meridian

Sec. South, between secs. 19 & 20.
m. 15° 40' East

1.00 Flat canon, running E. 10.00 chs. wide

40.00 Set a post, marked 4 S. 1/4 along flattened
3 in. wide, 1/4 ft in the ground, and build
mound of stones 2 ft high, as per in-
structions for 1/4 sec. cor. from which
A Pine, 29 in. dia. br. S. 52° E. 18 lbs. diet
do. 28 " " " S. 20° W. 34 " "

80.00 Set a post, marked and notched 4 ft long,
3 in. sq'd. 1/4 ft in the ground, and build a
mound of stones 2 ft high as per instruc-
tions for cor. to Secs. 19, 24, 25 & 30, from which
A Pine, 32 in. dia. br. S. 26° W. 36 lbs. diet
do. 33 " " " S. 8° E. 115 " "
do. 30 " " " N. 35° E. 166 " "
do. 30 " " " N. 3 1/2° W. 113 " "

Smooth rolling land. Some good
Brom. Grass. Heavy Pine timber
Soil, etc.

Between Tps. 20 N. Rgs. 7 & 8 E.
Gila and Salt River Meridian

Rs. South, between secs. 25 & 30.
var 15° 40' East

40.00 Set a post, marked 14 S. 4 ft. long, flattened 3
in wide, 1 ft. in the ground, and build mound
of stone 2 ft. high, as per instructions for 4 sec.
cor. from which

A Pine 30 in dia. br. N. 7° E. 92 hrs. dist

do. 31 " " " S 26° E. 27 " "

60.00 Canon br. N.E.

70.50 Leave same br. N.E.

76.00 A Pine 27 in dia.

80.00 Set a post, marked & notched, 4 ft. long, 3 in sqd.
1 ft. in the ground, and build mound of stone 2
ft. high, as per instructions for cor. to Secs.
25, 30, 31 and 36, from which

A Pine 37 in dia. br. N. 69° E. 18 hrs. dist

do. 30 " " " S. 80° E. 56 " "

do. 28 " " " S. 9° W. 43 "

do. 29 " " " N. 17° W. 68

Lindbrosen & sp. Grass. Head

Between Tps. 20 N. Rps. 27 & 28 E.
Gila and Salt River Meridian

Sec. South between sees. 31 & 36,
var. 1540 East

40.00 Set a post, marked 14 S. 4 ft long, flat-
tined 3 in. wide, set in the ground,
and build mound of stones 2 ft
high, as per instructions for 14 sec.
cor. from which

A Pine, 38 in dia. brs, S. 25° N. 8 hrs. dist
do. 29. " " N. 10° N. 7 " "

43.47 A Pine, 30 in dia.

44.09 do. 27 " "

44.14 do. 24 " "

80.00 Set a post, marked and notched,
4 ft long, 4 in. sq. d. 1 ft
in the ground, drive charred
stake and build mound of
earth 2 1/2 ft high, with
pits 1 1/2 ft deep, 2 ft long
3 in. wide, as per instructions
Sec. 11. to Tps. 19 and 20 N.

Chs. Continued
 Ranges of and 8 E.
 from which

Alpine, 33 in. diam. N 70° E. 142 Ac. dist.
 do. 35 " " " S 55° E. 114 " "
 do. 34 " " " S. 60° W. 74 " "
 do. 36 " " " N. 65° W. 182 " "

Con. falls in little flat.

Land rolling. Soil poor then
 good. Heavy Pine timber.

September 9, 1878

Between Tps. 19 & 20 N. Range 7 E.
Gila & Salt River Meridian

September 10. 1878.

From the cor. to Tps. 19 & 20 N. Rgs 7 & 8 E. Run
W. E. true line between sec. 1 & 36.
var. $15^{\circ} 34'$ East

As per Burt's Solar Compass.

40.00 Set a post, marked 14 S. 4 ft long, flattened 3
in wide, 1 ft in the ground, and build mound
of stones 2 ft high as per instructions for 14
sec. cor. from which

A Pine, 24 in. dia. br. N. 21° W. 11 lvs. dist.

do. 26 " " " S. $10\frac{1}{2}^{\circ}$ W. 59 " "

69.60 A Pine 30 in. dia.

80.00 Set a post, marked 3 notched, 4 ft long, 3 in. sq. d.
1 ft in the ground, and build mound of stones
2 ft high, as per instructions for cor. to sec. 1, 2,
35 and 36. from which

A Pine, 29 in. dia. br. S. $42\frac{1}{2}^{\circ}$ E. 33 lvs. dist.

do. 28 " " " N. 40° E. 182 " "

do. 32 " " " N. 52° W. 108 " "

do. 30 " " " S. 19° W. 159 " "

Land broken. Mostly poor. Grass. Many Pine timber.

BOOK 1387

Between Tps 19 & 20 N. Range 7 E.
Gila & Salt River Meridian

Sec. West entrance bet sec. 2 & 35.
var. 150 3/4 East.

40.00 Set a post, marked 1/4 in. of long, flattened 3
in. wide. If hit the ground, drive charred
stake and build mound of earth 2 ft high,
with pit 1 ft deep, 1/4 long, 1/4 wide, as per in-
struction for 1/4 sec. cor. from which
A Pine, 31 in. dia. br. N. 10° W. 17 hrs. dist.
do 28 " " South 25 " "

40.07 A Pine 31 in. dia.

80.00 Set a post, marked and notched, 1/4 long,
3 in. sq. If hit the ground, and build mound of
stone 2 ft high, as per instruction for cor. to sec.
2, 3, 34 and 35, from which
A Pine, 30 in. dia. br. S. 65° W. 65 hrs. dist.

do. 24 " " " N. 17° W. 120 " "

do. 28 " " " N. 44° E. 90 " "

do. 29 " " " S. 63° E. 153 " "

Land broken. Soil poor. Grass,
Heavy Pine timber.

Between Tps. 19 & 20 N. Range 7 E.
Gila & Salt River Meridian

To West true line bet. sec. 3 & 34
var. $15^{\circ} 37'$ East
Ascend, SW and NE.

10.00 Level

40.00 Set a post marked 14 S. 4 ft long, flattened
3 in. wide, 1 ft in the ground, drive charred stakes
and build mound of earth 2 ft high, with pit
1 ft deep, 2 ft long, 1 ft wide, for 14 sec. cor. from which
a Pine, 32 in. dia. br. N. $19^{\circ} W$. 80 lbs. dist
do. 42 " " " S. $65^{\circ} E$. 17 " "

72.00 Ascend.

80.00 Set a post, marked & notched, 4 ft long, 3 in. sq. ed.
1 ft in the ground, and build mound of stones 2 ft
high, as per instructions for cor. to sec. 3, 4, 33
and 34, from which
a Pine, 30 in. dia. br. N. $32^{\circ} E$. 74 lbs. dist
do. 30 " " " N. $13^{\circ} W$. 38 " "
do. 32 " " " S. $17^{\circ} E$. 142 " "
do. 24 " " " S. $47^{\circ} W$. 184 " "

Land smooth rolling, then on hill toward, Sev. Groves,
Heavy Pine timber.

Peterson Trs, 19 & 20 N. Range 1 E.
Gila and Salt River Meridian

Trs Montrose Lumber Co., 4933
var 15° 37' East

- 8.17 A Pine tree 30 in dia.
- 40.00 Set a post, marked 14 S. 47° E. long. flattened 3 in wide,
1 ft in the ground, drive charred stake and build a
mound of earth 2 ft high, with pits 1 ft deep, 2 ft
long, 1 ft wide, as per instructions for 4 sec. cor. from which
A Pine, 29 in dia. br. S. 57° W. 32 lbs. dist
do. 32 " " " S. 76° E. 54 " "
- 80.00 Set a post, marked and notched, 4 ft long,
3 in. sq. d. 1 ft in the ground, and build mound
of stone 2 ft high, as per instructions for
cont. sec. 4. 5. 32 and 33.
from which
A Pine, 18 in dia. br. N. 37° W. 89 lbs. dist
do. 24 " " " N. 70° E. 47 " "
do. 28 " " " S. 49° E. 70 " "
do. 12 " " " S. 32° W. 44 " "
- Rolling grassy hills. Mostly poor soil.
Many Pine timber.

Between Tps. 19 & 20 N. Range 7 E.
Gila and Salt River Meridian

No. West corner line bet. secs. 5 & 32.

var. $15^{\circ} 37'$ East

40.00 Set a post, marked $4\frac{1}{2}$ ft. long, flattened
3 in. wide, 1 ft. in the ground, and build a
mound of stones 2 ft. high, as per instruc-
tions, for the sec. cor. from which

A Pine, 30 in. dia. br. N. 9° E. 14 lbs. dist.

do. 36 " " " S. 45° E. 4 " "

80.00 Set a post, marked and scratched $4\frac{1}{2}$ ft. long,
3 in. sq. d., 1 ft. in the ground, and build
mound of stones 2 ft. high, as per in-
structions for cor. to secs. 5, 6, 31 and
32, from which

A Pine, 20 in. dia. br. S. 41° W. 60 lbs. dist.

do. 26 " " " N. 40° W. 6 " "

do. 34 " " " N. 86° E. 90 " "

do. 31 " " " S. 34° E. 76 " "

Land broken. Soil poor.

Grass Heavy Pine timber.

Between Tps. 19 & 20 N. Range 7 E.

Gila and Salt River Meridian

Rs. West on true line between 6 & 31.
var. $15^{\circ} 37'$ East

15.00 Descend into cañon bet. N.W.

35.00 Leave same bet. N.W.

80.00 Set apart, marked 14 S. 4 ft long, flattened 3 in wide,
1 ft in the ground, and build mound of stones 2 ft
high, as per instructions for 1/4 sec. cor. from which

A Pine, 36 in dia bet. N. 85° E. 5 hrs. dist

do. 35 " " S. 40° E. 11 " "

And allowing for convergence - at

78.50 Set apart, marked & notched, 4 1/2 ft long,

4 in. sq. d. 1 ft in the ground, and build a
mound of stones 2 1/2 ft high, as per instruc-
tions, for cor. to Tps. 19 & 20 N. Rps. 6 and
7 E. from which

A Pine, 38 in dia bet. N. 54° E. 25 hrs. dist

do 34 " " " S. 23° E. 151 " "

do 31 " " " S. 30° W. 26 " "

do 12 " " " N. 9° W. 76 " "

Land broken, soil poor. Grass.

Heavy Pine timber.

Between Tps. 20 N. Rgs. 6 & 7 E.
Gila and Salt River Meridian

September 10. 1878.

From the Cor. to Tps. 19 & 20 N. Rgs. 6 & 7 E. Iron
North between secs 31 & 36.

Var. 15° 38' East

As per Burt's Solar Compass

2.00 Steep bluff of rocks, 200 ft high, bears E & S of sec

38.14 A Pine 30 in. dia.

40.00 Set post, marked 4 ft long, flattened 3 in wide 1 ft in the
ground, and built around of stone 2 ft high, as per instruc-
tions, for 1/4 sec. cor. from which

A Pine, 24 in. dia. br. N. 46° E. 19 lbs. dia

do. 29 " " " S. 60° N. 18 " "

44.00 Dry wash, 25 lbs. wide, in deep ravine, br. S. W.

80.00 Set post, marked & notched, 4 ft long, 3 in. sq. ft. in the
ground, and built around of stone 2 ft high, as per in-
structions for cor. to Secs. 25, 30, 31 & 36. from which

A Pine, 30 in. dia. br. N. 35° N. 56 lbs. dia

do. 29 " " " N. 62 1/2° E. 75 " "

do. 31 " " " S. 49° E. 23 " "

do. 39 " " " S. 80° N. 134 " "

Land barren, Mostly poor. Grass, Many Pine trees.

Between Tps. 20 N., Rps. 6 & 7 E.
Gila and Salt River Meridian

Tps. North between secs. 25 & 30
var. $15^{\circ}38'$ E.

40.00 Set a post, marked $\frac{1}{4}$ S. of fl. long, flattened 3 in wide,
1 ft in the ground, and build mound of stones
2 ft high, as per instructions for 4 sec. cor. from which
a Pine, 3 $\frac{1}{2}$ in. dia. br. N. 79° E. 30 hrs. dist.
do. 29 " " " N. 55° W. 33 " "

75.75 Descend to lower ground.

79.00 Cross with running water, 10 hrs. wide, br. S. & W.

80.00 Set a post, marked and notched $\frac{1}{4}$ fl. long, 3 in.
sq. d. 1 ft in the ground, and build mound of
stones 2 ft high, as per instructions for cor. to
secs. 19, 24, 25 & 30. from which

a Pine, 3 $\frac{1}{2}$ in. dia. br. S. 42° W. 66 hrs. dist.

do. 18 " " " N. 34° E. 12 " "

do. 20 " " " N. 15° W. 31 " "

do. 30 " " " S. 20° E. 30 " "

Land broken. Some good on last
End. Grass, Heavy Pine timber

Stewart Trs. 20 N. Rgs. 6 & 7 E.
Gila & Salt River Meridian

hs. North between sec. 19 & 24.
var 15° 38' East.

1.00 Ascend.
17.50 Descend.
20.00 Ascend.
35.50 Descend.
36.00 Same creek as before, with running water, 10 hrs wide, hrs S.E.
40.00 Set a post, marked 44 S, 4 ft long, flattened
3 in wide, 1 ft in the ground, drive a
chared stake and build mound of earth
2 ft high, with pits 1 ft deep, 2 ft long,
4 ft wide, as per instructions, for 74 sec,
cor. from which

A Pine, 14 in. dia. br. N. 53° E. 48 hrs. dist.

do. 37 " " " S. 44° W. 65 " "

55.00 Ascend, S.E. and S.

73.75 A Pine, 30 in. dia.

80.00 Set a post, on marked and marked, 4 ft long, 3 in. sq. ft.
1 ft. in the ground, and build mound of stone, 2 ft high as per
instructions for cor. to sec. 13, 18, 19 & 24, from which

A Pine, 31 in. dia. br. N. 27° E. 36 hrs. dist.

do. 35 " " " N. 83 1/2° W. 98 " "

do. 33 " " " S. 64° W. 76 " "

do. 29 " " " S. 8° E. 41 " "

Land uneven. Soil poor and good. Grass.
Heavy Pine timber.

Between Tps. 20 N, Rps. 6 E & E.
Gela & Salt River Meridian

As North between secs. 13 & 18,
var. $15^{\circ} 38'$ East.

1.50 A Pine, 30 in. dia.

18.87 do. 35 " "

19.23 do. 34 " "

40.00 Set a post, marked $\frac{1}{4}$ S. 4 ft long flattened 3 in. wide, 1 ft in the ground, and build mound a foot or 2 ft high, as per instructions, for $\frac{1}{4}$ sec. cor. from which

A Pine. 25 in. dia. br. S. 20° E. 21 hrs. dist

do. 28 " " " N. 62° W. 37 " "

51.37 A Pine, 34 in. dia.

80.00 Set a post, marked $\frac{1}{4}$ & scratched, 4 ft long, 3 in. sq. in the ground, drive a chawed stake and build mound a foot or 2 ft high, with pits 1 ft deep, 2 ft long, 1 ft wide, as per instructions for cor. to secs. 7, 12, 13 & 18, from which

A Pine. 32 in. dia. br. N. $20\frac{1}{2}^{\circ}$ W. 57 hrs. dist

do. 24 " " " N. 38° E. 94 " "

do. 30 " " " S. 19° W. 51 " "

do. 30 " " " S. 9° E. 75 " "

Land level. Soil poor. Grass, Heavy Pine timber.

Between Tps. 20 N. Rqs. 6 & 7 E.
Gila & Salt River Meridians

Chs. North, between secs. 2 & 12,
4 mi 15° 38' East.

40.00 Set a post, marked 1/4 S. 4 ft long, flattened 3 in.
wide 1 ft in the ground and build mound
of stones 2 ft high, as per instructions for 1/4
sec. cor. from which

- A Pine, 20 in. dia. br. N. 61° E. 34 ca. dist
- do. 27 " " " S. 70° W. 34 " "

64.15 A Pine, 29 in. dia.

80.00 Set a post, marked and notched, 4 ft long,
3 in. sq. d. 1 ft in the ground, and build a
mound of stones 2 ft high, as per instruc-
tions for cor. to secs. 1, 6, 7 & 12, from which

- A Pine, 12 in. dia. br. N. 32° E. 14 ca. dist
- do. 20 " " " N. 30° W. 35 " "
- do. 36 " " " S. 35° W. 109 " "
- do. 34 " " " S. 65° E. 37 " "

Land rolling. Soil poor.
Grass. Heavy Pine timber.
September 10. 1878.

Between Tps. 20 N. Rgs. 6th & 7th E.
Gila and Salt River Meridian

Ln. North ^{contour line.} between sec. 1 & 2.
4 mi. 15° 38' E.

35.92 A Pine 32 in dia.

40.00 Set a post, marked 4 S. 4 ft long, flattened
3 in wide, 1 ft in the ground, and build mound of
stones 2 ft high, as per instructions for 4 sec. cor. from which

A Pine 35 in dia. br. S. 65° E. 68 hrs. dist

do. 29 " " " N. 45 1/2° W. 82 " "

73.80 A Pine, 24 in dia.

80.21 Intersect 5th Standard N₇ at a point 11.36 chs.
W. of standard cor. to Tps. 21 N. Rgs. 6th & 7th E.

Set a post, marked & notched, 4 ft long, 4 in sq. d.
1 ft in the ground, and build mound of stones 2 ft
ft high, as per instructions, for closing cor. to Tps.
20 N. Rgs. 6th & 7th E. from which

A Pine 24 in dia. br. S. 23° E. 46 hrs. dist

do. 25 " " " S. 30° W. 38 " "

Land ascending N. Soil poor.

Grass. Heavy Pine timber.

September 11. 1878.

Between Tps. 19 & 20 N. Range 6 E.

Gila & Salt River Meridian

September 17, 1878.

Ln. From the cor. to Tps. 19 & 20 N. Rgs. 6 & 7 E. Drive
West on true line between secs. 1 & 36,
var. 15° 38' East

- 5.00 Recend bluff brs. SW.
- 35.00 Dry wash 200 lbs. wide brs S. and SW
- 40.00 Set a post, marked 14 S. 14 ft long, flattened 3 in. wide,
1 ft in the ground, drive charred stakes & build mound
of earth 4 ft high, with pits 4 ft deep, 2 ft long, 4 ft wide,
as per instructions, for 14 sec. cor. from which
A Pine, 34 in. dia. br. N. 59° E. 83 lbs. dist
do. 29 " " S. 47° W. 39 " "
- 80.00 Set a post, marked & notched, 4 ft long, 3 in. sq. ft.
1 ft in the ground, and build mound of stones 2 ft
high, as per instructions, for cor. to Secs. 1, 2, 35
and 36. from which
A Pine, 28 in. dia. br. N. 10° W. 36 lbs. dist
do. 25 " " " N. 59° E. 57 " "
do. 42 " " " S. 7° W. 35 " "
do. 23 " " " S. 25° E. 27 " "

Broken enough. Soil poor. Grass. Many Pinetrees

Between Tps. 19 & 20 N. Range 6 E.
Gila and Salt River Meridian

No. West true line bet sec. 2 & 35.
var. $15^{\circ} 38' E$.

10.00 A Pine, 25 in. dia.

33.41 do. 36 " "

40.00 Set a post, marked 4 S. 4 ft. long flattened 3
in. wide, 1 ft. in the ground, and build a
mound of stone 2 ft. high as per instruc-
tions for 74 sec. cor. from which

A Pine, 30 in. dia. br. N. $21^{\circ} E$. 71 lbs. dist.

do. 31 " " " S. $30^{\circ} N$. 58 " "

The line thence N. is over impractica-
ble and impassable canons & moun-
tains coming in from the N. and W.
and running S.

I can go no further on this line.

On $\frac{1}{2}$ mile above, the land is broken
and poor. Grass.

Many Pine timber.

I now go to the standard cor. to Tps. 21
N. Rgs. 5th E., and run thence
West along the 5th Standard N.
var. $15^{\circ}43'$ East.

As per Standard Line.

And, having calculated the convergence
of meridians at this point, - at

10.00 I set a post, marked and notched, $4\frac{1}{2}$
ft long, 4 in. sq. d. 1 ft. in the ground, drive
charred stake and build mound of earth $2\frac{1}{2}$
ft high, with pits $1\frac{1}{2}$ ft deep, $2\frac{1}{2}$ ft long, 1 ft
wide, as per instructions for closing cor.
to Tps. 20 N. Rgs. 5th E. from which
a Pine, 30 in. dia. br. S. 89° N. 16 in. dia. do.
do. 36 " " " S. 12° E. 62 " "

Land rolling. Some good. Grass. Heavy Pine
timber.

From the closing cor. to Tps. 20 N. Rgs.
5th E. I run

Between Tps. 20 N. Rgs. 5th & 6th E.
Gila and Salt River Meridian

Ps. South on true line bet secs 1st & 2nd.
var. $15^{\circ}46'$ East.

As per Buets Solar Compass.

0.87 A Pine 43 in. dia.

40.00 Set a post, marked 4 S. 4 ft long, flattened 3 in. wide,
1 ft in the ground, drive charred stakes & build mound
of earth 2 ft high, with pits 1 ft deep, 2 ft long, 1 ft wide
as per instructions for 4 sec. cor. from which

A Pine, 36 in. dia. br. S. 42° W. 16 lns. dist

do. 13 " " " 4.30° E. 80 " "

56.20 A Pine 18 in. dia.

80.00 Set a post, marked & notched, 4 ft long,
3 in. sq. d. 1 ft in the ground, and build mound of
stone 2 ft high as per instructions for cor. to Secs.
1, 6, 7 and 12, from which

A Pine, 28 in. dia. br. N. 1° W. 20 lns. dist

do. 39 " " " S. 82° W. 103 " "

do. 39 " " " S. 30° E. 120 " "

do. 40 " " " N. 14° E. 38 " "

Ascending S. Soil poor. Grass. Heavy pine timber

Between Tps. 20 N. Rgs 5 E 6 E
Gila and Salt River Meridian

- Rs, South between sec. 7 & 12;
var. 15° 46' East
- 40.00 Set apart, marked 1/4 S. 4 ft long, flattened
3 in wide, flat in the ground, and build mound of
stones 2 ft high, as per instructions for 7 sec.
cor. from which
A Pile, 37 in. dia. N. 18° W. 25 lbs. dist.
do. 20 " " S. 58° E. 100 " "
- 72.00 A Pile 20 in. dia.
- 80.00 Set apart, marked & notched, 4 ft long,
3 in. sq. d. flat in the ground, and build a
mound of stones 2 ft high, as per in-
structions for cor. to sec. 7, 12, 13,
and 18 - from which
A Pile, 21 in. dia. S. 82° E. 39 lbs. dist.
do. 31 " " N. 43° W. 94 " "
do. 25 " " N. 23° E. 120 " "
do. 23 " " S. 50° W. 159 " "
- Land uncult. Stony & poor. Grass.
Heavy Pine timber. September 18. 1878.

Between Tps. 20 N. Rgs. 5th & 6th E.
Gila and Salt River Meridian

Th. South between sec. 13 & 18.
var. 15° 46' East

20.00 A Pine 40 in dia.

40.00 Set a post marked $\frac{1}{4}$ S. 4 ft long, flattened
3 in wide, 4 ft in the ground, and build mound
of stones 2 ft high, as per instructions for
14 sec. cor. from which

A Pine, 21 in dia. br. East. 34 lbs. dia. 1 ft
do. 29 " " S 50° W. 53 " "

80.00 Set a post marked & notched, 4 ft long, 3 in.
sqd. 4 ft in the ground. Drive charred stake
and build mound of earth 2 ft high, with
pits 1 ft deep, 2 ft long, 1 ft wide, as per in-
structions, for cor. to Secs. 13, 18, 19 and
20. from which

A Pine, 29 in dia. br. N. 73° E. 73 lbs. dia. 1 ft
do. 37 " " S. 70° E. 82 " "
do. 33 " " N. 85° W. 153 " "
do. 39 " " S. 57° W. 130 " "

Land strong & level & good. Grass. Many Pine timber.

Between Tps. 20 N., Rgs 5 E. E.
Gila & Salt River Meridian

Rs. South between secs. 19 & 24.
var. $15^{\circ} 46'$ East

- 7.00 Enta little open flat brs. E. and W.
- 26.00 A Pine 39 in. dia. And enta timber brs. E. & W.
- 40.00 Set apart, marked 44 S. 4 ft long, flattened 3 in. wide, 1 ft
in the ground, drive charred stake & build mound
of earth 2 ft high, with pits 1 ft deep, 2 ft long, 1 ft wide,
as per instructions for 44 sec. cor. from which
A Pine, 46 in. dia. br. N. 55° E. 16 lbs. dist
do. 30 " " " West 37 " "
- 41.00 A Pine, 30 in. dia.
- 65.00 do. 26 " "
- 80.00 Set apart, marked & notched, 4 ft long, 3 in. sq. d.
1 ft in the ground, drive charred stake and build a
mound of earth 2 ft high, with pits 1 ft deep, 2 ft long,
1 ft wide, for cor. to Secs. 19, 24, 25 & 30 from which
A Pine, 29 in. dia. br. N. 42° W. 84 lbs. dist
do. 43 " " " S. 20° W. 29 " "
do. 23 " " " N. 46° E. 43 " "
do. 31 " " " S. 72° E. 130 " "
- Mostly level land and good soil.
Grows Heavy Pine timber.

Between Tps. 20 N. Rgs 5 & 6 E.
Gila & Salt River Meridian

No. South between secs. 25 & 30,
var. 15° 46' East

21.00 A Pine, 29 in. dia.

40.00 Set a post, marked 14 S. 4 ft long, flattened 3
in. wide, 1 ft in the ground, drive chanced stone
and build mound of earth 2 ft high, with pit 1 ft
deep, 2 ft long, 1 ft wide, as per instructions for 4 sec. cor.
from which
A Pine, 22 in. dia. br. S. 85° E. 13 hrs. dist.

do. 29 " " " N. 45° W. 33 " "

80.00 Set a post, marked & mottled, 4 ft long, 3 in. sq.,
1 ft in the ground, drive chanced stone and build a
mound of earth 2 ft high, with pit 1 ft deep, 2 ft long,
1 ft wide, as per instructions for cor. to Secs. 25, 30,
31 and 36, from which

A Pine, 42 in. dia. br. N. 40° E. 92 hrs. dist.

do. 36 " " " N. 89° W. 30 " "

do. 40 " " " S. 84° W. 39 " "

do. 29 " " " S. 85° E. 172 " "

Land slightly rolling. Mostly good.
Grass. Heavy Pine timber.

Between Tps. 20 N. Rgs. 5 & 6 E.
Gila & Salt River Meridian

Rs. South, between Secs. 31 & 36.
var. $15^{\circ}46'$ East

12.00 A Pine 27 in. dia.

40.00 Set post, marked W.S. 4 ft long, flattened 3
in. wide, 1 ft in the ground, and built round of stones
2 ft high, as per instructions, for the sec. corner from which
A Pine, 21 in. dia. br. West 19 lns. dist.
do. 24 " " N. 82° E. 99 " "

80.00 Set post marked & nailed, $4\frac{1}{2}$ ft long, 4 in.
sqd. 1 ft in the ground, driven charred stake & built round
of stone $2\frac{1}{2}$ ft high, with pit $1\frac{1}{2}$ ft deep, 2 ft long, 1 ft wide,
as per instructions for cor. to Tps. 19 and 20 N.
Rgs. 5 & 6 E. from which

A Pine, 39 in. dia. br. N. 44° E. 107 lns. dist.
do. 32 " " " S. 75° E. 236 " "
do. 24 " " " N. 12° W. 165 " "
do. 30 " " " S. 75° W. 453 " "
Open to S. SW. and E.

Land Level. Poor then Good.
Grows Heavy Pine timber

Between Tps. 19 & 20 N. Range 6 E.
Gila & Salt River Meridian

September 18, 1878.

Rs. From the cor. to Tps. 19 & 20 N. Rps. 5 & 6 E. Drive
East on true line between secs. 6 & 31,
var. 15° 40' East

As per Burt's Solar Compass.

Leave timber from cor. & enter open flat brs. N.E.

And, allowing for convergence, - at

38.50 Set a post, marked 14 S. 4 ft long, flattened

3 in. wide, 1 ft in the ground, drive charred stake and

build mound of earth 2 ft high, with pit

1 ft deep, 2 ft long, 1 ft wide, as per instruc-

tions, for 4 sec. cor. No trees near.

47.00 Enter timber, brs. N. E. & S. W.

75.00 Leave timber brs. N. W. and S. E.

78.50 Set a post, marked 3 notched, 4 ft long, 3 in.

sq. ft. 1 ft in the ground, drive charred stake

and build mound of earth 2 ft high, with

pit 1 ft deep, 2 ft long, 1 ft wide, as per instruc-

tions, for cor. to sec. 5, 6, 31 and 32.

No trees near.

Land level. Soil good. Grass.

Some heavy timber in center.

Between Tps. 19 & 20 N. Range 6 E.
Gila Salt River Meridian

No. East-trench line between sees. 5 & 32.

var. 15° 40' East.

20.00 Lean opening, cuts timber N E E W

37.70 A Pine 26 in. dia.

40.00 Set apart, marked 74 S. 4, 11 ft long, flattened
3 in. wide, 1 ft in the ground, drive charrid stone
and build mound of earth 2 ft high, with pits of 1/2 ft deep.
2 ft long, 1 ft wide, as per instructions for 4 sec. cor. from which
A Pine, 41 in. dia. br. S. 62° E. 45 lbs. dist
do 30 " " " N. 81° W. 109 " "

58.00 Water in sink just S. of line.

80.00 Set apart, marked & notated, 11 ft long, 3 in.
sq. 1 ft in the ground, and build mound of stone
2 ft high, as per instructions for cor. to sees.
4, 5, 32 and 33, from which

A Pine, 33 in. dia. br. N. 80° W. 62 lbs. dist

do 40 " " " S. 18° W. 102 " "

do 28 " " " S. 70° E. 107 " "

do 18 " " " N. 40° E. 69 " "

Land level, Soil good, Grass, some heavy Pine timber

Between Tps. 19 & 20 N. R. 6 E.

Gila & Salt River Meridian

No. East of true line between 4 & 33.

var. 15° 40' East

40.00 Set apart marked 14 S. 4 ft long, flattened
3 in wide, 1 ft in the ground, and build a
mound of stones 2 ft high, as per instruc-
tions for 14 sec. cor. from which

Alme. 24 in dia. br. N. 21° W. 44 lbs. dist.

do. 24 " " " S. 48° E. 36 " "

80.00 Set apart marked & notched, 4 ft long, 3
in. sq. d. 1 ft in the ground, and build
mound of stones, 2 ft high, as per
instructions for cor. to secs. 3, 4,
33 and 34. from which

Alme. 40 in dia. br. N. 62° W. 9 lbs. dist.

do. 29 " " " N. 79° E. 12 " "

do. 28 " " " S. 40° E. 45 " "

do. 38 " " " S. 75° W. 11 " "

Land rolling. Some good soil.
Grass. A few Pine timber.

Between Tps. 19 & 20 N. Range 6 E.
Gila & Salt River Meridian

As. East true line between 3^d & 3^d St.
var $15^{\circ}40' E.$

29.00 Steep bluff (to S. W.) into canon running S. of E.

40.00 Sit a post, marked 14 S. 4 ft long, flattened 3 in.
wide, 1 ft with the ground, and built around of
stones 2 ft high, as per instructions for
14 sec. cor. from which

a Pine, 20 in. dia. N. $61^{\circ} E.$ 30 ft. dist.

do. 16 " " N. $23^{\circ} W.$ 26 " "

Very broken ground. Heavy Pine timber.

Just after this last 14 sec. cor. the line
runs over impracticable canons & moun-
tains. I can go no further on this
line.

September 18, 1878.

Between Tps. 21 N. Rgs. 5 & 6 E.

Gala & Salt River Meridian

September 24th 1878.

Go from the standard cor. to Tps. 21 N. Rgs. 5 & 6 E. 1st corner

North between sec. 31 & 36.

var 15° 45' East

As per Burt's Solar Compass.

40.00 Set a post, marked 14 S. 4 ft long, flattened 3 in wide 1 ft
in the ground, driven chased stake & build monument
east of the high, with pit 6 ft deep, 2 ft long, 1 ft wide, as
per instructions, for 14 sec. cor. from which
A Pine, 43 in. dia. br. N. 59° E. 63 lbs. dist
do. 33 " " " N. 76° W. 100 " "

80.00 Set a post, marked & notched, 4 ft long, 3 in. sq. d.
1 ft in the ground, and build monument a ft br. 7 ft
high, as per instructions for cor. to sec. 25, 34, 31
and 36. from which

A Pine, 40 in. dia. br. S. 55° E. 17 lbs. dist
do. 39 " " " N. 26° W. 71 " "
do. 12 " " " S. 89° W. 49 " "
do. 30 " " " N. 88½° E. 143 " "

Land level. Some good soil.
Many Pine timber.

Between Tps. 21 N. Rps. 5th E.
Gila & Salt River Meridian

Rs. North between secs 25 & 30
var. 15° 45' East

40.00 Set a post marked 1/4 S. 4 ft long, flattened
3 in wide, 1 ft in the ground, and build
mound of stones 2 ft high as per in-
structions for 1/4 sec. cor. from which
@ Pine. 18 in dia. br. N. 30° E. 27 lvs. dist.
do. 20 " " " S. 22° W. 72 " "

80.00 Set a post, marked and notched, 4 ft long,
3 in sqd. 1 ft in the ground, and build
mound of stones 2 ft high, as per in-
structions for cor. to secs. 19, 24, 25 and
30. from which

@ Pine. 12 in dia. br. N. 89° W. 49 lvs. dist.
do. 37 " " " S. 10° W. 50 " "
do. 33 " " " N. 81 1/2° E. 69 " "
do. 12 " " " S. 32° E. 124 " "

Land rolling. Some good soil.
Grass. A few Pine timber.

Between Tps. 21 N. Rgs. 5 & 6 E.
Gila & Salt River Meridian

Tps. North between secs. 19 & 24
ran. 15° 45' East.

40.00 Set a post, marked 14 S. 4 ft long, flattened
3 in wide, 1 ft in the ground, driven chert stake &
built mound of earth 2 ft high, with pits 1 ft
deep, 2 ft long, 1 ft wide, as per instructions for
14 sec. cor. from which

A Pine, 24 in. dia. br. N. 10° E. 20 lbs. dia. c.
do 32 " " " S. 75° W. 95 " "

80.00 Set a post, marked & notched, 4 ft long,
3 in sqd. 1 ft in the ground, and built mound
of stones 2 ft high, as per instructions for
cont. Secs 13, 18, 19 & 24, from which

A Pine, 20 in. dia. br. S. 43½° E. 50 lbs. dia. c.
do. 42 " " " N. 77° E. 100 " "
do. 37 " " " N. 3° W. 38 " "
do 12 " " " S. 85° W. 67 " "

Land smooth. Some good seed
Grass. Heavy Pine timber

Between Sp. 21 N. Rgs. 5th & 6th E.
Gila Salt River Meridian

Ch. North between secs. 13 & 18.

var. 15° 45' East.

- 40.00 Set a post, marked 1/4 S. 1/4 E. long. flattened 3 in wide,
1/2 ft in the ground, drive charred stake & build
mound of earth 2 ft high, with pits 1/2 ft deep, 1/2 ft
long, 1/2 ft wide, as per instructions for 1/4 sec. cor. from which
a Pine, 37 in dia. to N. 84° E. 63 lbs. dist.
do. 30 " " " S. 17° W. 37 " "
- 80.00 Set a post, marked Enatched, 1/4 ft long, 3
in wide, 1/2 ft in the ground, and build
mound of stone 2 ft high, as per instructions
for cor. to secs. 7, 12, 13 & 18, from which
a Pine, 39 in dia. to N. 12° W. 45 lbs. dist.
do. 38 " " " N. 30° E. 30 " "
do. 12 " " " S. 62 1/2° E. 89 " "
do. 32 " " " S. 26 1/4° W. 126 " "

Land broken. Soil mostly poor.
Grass. Heavy Pine timber.

Between Tps. 21 N. Rps. 5 & 6 E.

Gila and Salt River Mound

Tps. North between sees. 7 & 12.
var. $15^{\circ}45' E.$

23.00 Leave heavy timber E. & W. & enter narrow spring brs. E. & W.

25.20 The overland road brs. E. and W.

28.20 Enter timber brs. E. and N. of W.

40.00 Set a post, marked 14 S. 4 ft long, flattened 3 in wide.

1 ft in the ground, and build mound of stones 2 ft high

as per instructions for 14 sec. cor. from which

A Pine 44 in. dia. br. N. $2\frac{1}{2}^{\circ} W.$ 73 lbs. diet

do. 43 " " S. $12^{\circ} E.$ 14 " "

45.00 Canon brs. SW. 350 lbs. wide.

70.00 Leave timber, enter corner of open park to the W. brs.

S. E. & N. W.

80.00 Set a post, marked & notched, 4 ft long, 3 in.

sq. ft. in the ground. Drive charred stake and build

mound of earth 2 ft high, with pit 4 ft deep, 4 ft

long, 1 ft wide, as per instructions for cor. to Secs.

1. 6 & 7 & 12. from which

A Pine 39 in. dia. br. N. $57^{\circ} W.$ 200 lbs. diet

None in the other sections.

Land uneven. Mostly poor. Grass. Some heavy pine timber.

Between Nos. 21 N. Rps. 5th & 6th E.
Gila Salt River Meridian

Rs. North between sec. 1st & 2nd C.
var. $15^{\circ}45' E.$

40.00 Set a post, marked 4th & 4th ft. long, flattened 3
in wide, 1 ft in the ground, and build a mound
of stones 2 ft high, as per instructions for 4th
sec. cor. No trees near.

47.00 Enter timber br. NW. & S. E.

80.00 Set a post, marked & notched, 4¹/₂ ft long,
4 in sq. 1 ft in the ground, and build a
mound of stones 2¹/₂ ft high, as per instruc-
tions for cor. to Nos. 21 & 22 N. Rps. 5 and
6 E. from which

a Pine, 31 in dia br. N. $19^{\circ} \frac{1}{2}' W.$ 26 lvs. dist.

do. 29 " " " N. $53^{\circ} \frac{1}{2}' E.$ 57 " "

do. 30 " " " S. $39^{\circ} E.$ 136 " "

do. 29 " " " S. $35^{\circ} W.$ 54 " "

Land level. Mostly good soil.
Grass. But little timber on line.

September 24, 1878

Between Tps. 21 & 22 N. Range 6 E.

Gila & Salt River Meridian

September 25, 1878.

Rs. From the cor. to Tps. 21 & 22 N. Rqs. 5
and 6 E., I run

East on random line along N. boundaries of
secs. 6. 5. 4. 3. 2 and 1.

var. $15^{\circ}50'$ East

As per Buets Solar Compass

I set temporary corners at every 40 and
80 chs., and at 5 miles and 79.30 chs.

I intersect at a point 160 lbs. S. after to
Tps. 21 & 22 N. Rqs. 6 & 7 E.

Therefore the correction will be
70 lbs. on the N., and $26\frac{2}{3}$ lbs N. per
mile.

And from the cor. to Tps. 21 & 22 N. Rqs
6 & 7 E. I run

S. $89^{\circ}49'$ W.

On true line between secs. 1 & 36.

var $15^{\circ}50'$ E.

30.00 Descend into deep ravine br. N. E.

40.00 Set a post, marked $\frac{1}{4}$ S. 4 ft long,

Between Tps. 21 & 22 N. Range 6 E.
Gila & Salt River Meridian

Ps. Continued

flattened 3 in wide, 1 ft in the ground, drive
charred stake & build mound of earth 2 ft high
with pits 1 ft deep, 2 ft long, 1 ft wide, as per in-
structions for 14 sec. cor. from which

A Pine, 39 in. dia. br. N. 35° W. 97 lbs. dia.

do. 40 " " " S. 75° W. 99 " "

5.00 Enter mountains land N. E. S.

1.00 Set a post, marked & notched, 4 ft long, 3 in. sq.

1 ft in the ground, drive charred stake and
build mound of earth 2 ft high with pits 1 ft
deep, 2 ft long, 1 ft wide, as per instructions for

cor. to see s. 1, 2, 35 and 36, from which

A Pine, 25 in. dia. br. S. 40° E. 66 lbs. dia.

do. 36 " " " N. 2 1/2° W. 85 " "

do. 29 " " " N. 21° E. 79 " "

do. 39 " " " S. 38° W. 84 " "

A broken and poor last end. Some
good E. Grass. Heavy Pine
timber.

Between Tps. 21 & 22 N. Range 6 E.
Gila & Salt River Meridian

Rs. S. 89° 49' W. outline line between 2 & 35.
4 or 15° 50' E.

40.00 Set a post, marked 4 ft. long, flattened 3 in. wide,
1 ft. in the ground, and build mound of stone
2 ft. high, as per instructions for 14 sec. cor. from which
A Pine, 25 in. dia. br. N. 40° E. 60 hrs. dist.
do. 20 " " " S. 31° W. 23 " "

80.00 On N. slope of small mountain to the S.
Set a post, marked & notched, 4 ft. long, 3 in. sq. d.
1 ft. in the ground, drive charred stake and build a
mound of earth 2 ft. high, with pits 1 ft. deep, 2 ft.
long, 1 ft. wide, as per instructions for cor. to Secs.
2, 3, 34 and 35. from which

An Aspen, 14 in. dia. br. N. 44° E. 16 hrs. dist.

A Pine, 32 " " " S. 59° E. 155 " "

An Aspen, 12 " " " N. 84° W. 23 " "

A Pine, 30 " " " S. 87° W. 259 " "

Land mountainous and poor.

Pine timber thin & poor. Some aspen trees.
Scattering oak brush.

Between Tps. 21 & 22 N. Range 6 E.
Gila and Salt River Meridian

- To S. 89° 49' N. on true line between 3^d & 34.
 descending N. 72 m. 15° 50' E.
 6.00 Foot of mountain, which bears to the E, and
 clear timber N. & S, enter small open park.
 35.62 Ranch road bet. N and S.
 40.00 Set a post, marked 1/4 S. 4 ft long, flattened 3 in wide,
 1 ft in the ground, & with charred stakes in all wild mound
 of earth 2 ft high, with pits 1 ft deep, 2 ft long, 1 ft wide,
 as per instructions, for 1/4 sec. cor. No trees near.
 49.00 Leave open ground, enter timber N. and S.
 80.00 Set a post, marked & notched, 4 ft long, 3 in. sq. d.
 1 ft in the ground, and build mound of stones 2
 ft high, as per instructions for cor. to secs. 3, 4,
 33 and 34. from which
 A Pine, 24 in. dia. bet. N. 23° E. 29 hrs. dist.
 do. 25 " " " S. 48° E. 34 " "
 do. 30 " " " S. 74° N. 61 " "
 do. 40 " " " N. 68° N. 100 " "
 Descending N. then level. Some good
 Grass. Some Heavy timber.

Petawan Sp. 21st 22nd N. Range 6E.

Gila & Salt River Meridian

No. S. 89° 49' N. entire line between sec. 4 & 33.
var. 15° 50' East.

40.00 Set a post, marked $\frac{1}{4}$ S. 4 ft long, flattened 3 in.
wide, 1 ft in the ground, and build mound of stones
2 ft high, as per instructions for $\frac{1}{4}$ sec. cor. from which
a Pine, 30 in. dia. br. S. 53° N. 16 hrs. dist.
do. 20 " " " N. 60° E. 45 hrs. dist.

80.00 Set a post, marked and notched, 1 ft long,
3 in. sq. 1 ft in the ground, and build
mound of stones 2 ft high, as per in-
structions for cor. to sec. 4, 5, 32
and 33, from which
a Pine, 28 in. dia. br. N. 26° E. 22 hrs. dist.
do. 20 " " " S. 73° E. 43 " "
do. 30 " " " N. 60° W. 80 " "
do. 25 " " " S. 63° W. 137 " "

Land broken poor.

Grass, Heavy Pine timber.

Between Tps. 21 & 22 N. Range 6 E.
Gila and Salt River Meridian

Co. S. 89° 49' N. on true line bet. sec. 5 & 32.
var. 15° 50' East.

- 7.67 A Pine 27 in. dia.
 20.43 do. 30 " "
 40.00 Set a post, marked 1/4 S. 4 ft long, flattened 3 in. wide,
 1 ft in the ground, and built around of stones 2 ft high,
 as per instructions for 1/4 sec. cor. from which
 A Pine, 30 in. dia. br. N. 89° W. 41 br. licit
 do. 24 " " N. 24° E. 75 " "
 57.90 A Pine 18 in. dia.
 58.11 do. 18 " "
 58.23 do. 24 " "
 62.53 do. 21 " "
 75.00 Descend W. slope of mesa, br. N. & S.
 80.00 Set a post, marked & notched, 4 ft long, 3 in. sq. diff
 in the ground, and built around of stones 2 ft high, as per
 instructions, for cor. to sec. 5, 6, 31 & 32. from which
 A Pine, 22 in. dia. br. S. 69° E. 15 br. dia. licit
 do. 20 " " " N. 23° E. 11 " "
 do. 20 " " " S. 43° W. 23 " "
 do. 30 " " " N. 9° W. 220 " "

Land level then broken. Soil poor.
 Grass. Heavy Pine timber.

Between Tps. 21 & 22 N. Range 6 E.
Gila Salt River Meridian

Ans. S. 89° 49' N. on true line bet. sec. 6 & 31.
var. 15° 50' East

40.00 Set a post marked 44 S. 4 ft long, flattened
3 in wide, 4 ft in the ground, drive charred
stake and build mound of earth 2 ft high with
pit 1 ft deep, 2 ft long, 1 ft wide, as per instructions
for 1/4 sec. cor. from which

A Pair, 25 in. dia. brn. N. 41° E. 13 in. dia. dist
do. 36 " " " N. 75° W. 41 " " "

79.30 The cor. to Tps. 21 & 22 N. Rgs. 5 and
6 E.
Land level. Soil poor.

Gross Heavy Pine timber

September 25. 1878

Between Tps. 19 & 20 N. Range 5 E.

Gila & Salt River Meridian

October 1, 1878.

Sec. 14 South corner to Tps. 19 & 20 N. Rgs. 5 & 6 E. Range

WEST on true line between secs. 1 & 36.

var. $15^{\circ}36'$ East.

A post Built Solar Compass.

15.00 A Pine 28 in. dia.

40.00 Set a post, marked 4 S. 4 ft long, flattened 3 in. wide,
4 ft in the ground and build mound of stones 2 ft high as
per instructions for 14 sec. cor. from which
a Pine, 45 in. dia. 60. South 11 lbs. dist

do. 31 " " " N. 25° W. 37. "

80.00 Set a post, marked & notched, 4 ft long, 3 in. sqd
4 ft in the ground, and build mound of stone 2 ft
high as per instructions for cor. to secs. 1, 2, 35
and 36. from which

A Pine, 31 in. dia. 60 N. 47° W. 76 lbs. dist

do. 32 " " " N 20° E. 95 " "

do. 39 " " " S. 38° E. 93 " "

do. 40 " " " S. 27° W. 100 " "

Land level. Soil good then poor
Grass. Heavy Pine timber.

Between Tps. 19 & 20 N. R. 5 E.
Gila & Salt River Meridian

- R. West true line between secs. 29 & 35.
var. $15^{\circ} 36'$ East
- 39.50 Deep dry rocky gulch 50 hrs. wide, to S.E.
- 40.00 Cor. falls on Edge of gulch. Set 20 hrs. N.
Set apart marked $\frac{1}{4}$ fl. long, flattened 3 in. wide
1 ft. in the ground, and build mound of stones
2 ft. high, as per instructions for 14 sec. cor. from which
A Pine, 29 in. dia. to S. 10° E. 36 hrs. dist
do. 31 " " " N. 51° W. 91 " "
- 78.00 A Pine 38 in. dia.
- 80.00 Set apart, marked & notched, $\frac{1}{4}$ fl. long 3 in.
apart, 1 ft. in the ground, and build mound of
stones 2 ft. high, as per instructions for cor. to
secs. 2, 3, 34 and 35, from which
A Pine 28 in. dia. to S. 52° W. 5 hrs. dist
do. 28 " " " N. 80° W. 64 " "
do. 26 " " " S. 47° E. 74 " "
do. 25 " " " N. 45° E. 75 " "
- Land rolling and stony. Some good soil.
Grass, Heavy Pine timber.

Between Tps. 19 & 20 N., Range 5 E.
Gila and Salt River Meridian

No. 1 West on true line bet sec. 3 & 34.
var. $15^{\circ}36'$ East

40.00 Set a post, marked $\frac{1}{4}$ S. $\frac{1}{4}$ flong, flattened 3 in wide,
1 ft in the ground, and build mound of stones 2 ft
high, as per instructions for $\frac{1}{4}$ sec. cor. from which
a Pine, 32 in dia. br. S. 70° W. 38 lbs. dist.

do. 28 " " N. 40° E. 19 " "

Thus far the line has run along N. side of fence, bearing E. & S.E.

40.40 A Pine 36 in. dia.

50.00 Deep dry gulch, 160 lbs. wide, br. S.E.

73.00 A Pine, 30

74.25 do. 26

80.00 Set a post, marked 3 notched, $\frac{1}{4}$ flong, 3 in sq. 1 ft in
the ground, dug 3 charred staves and build mound of earth
2 ft high, with pile of 1 ft deep, $\frac{1}{4}$ flong, 1 ft wide, as per instruc-
tions for cor. to sec. 3, 4, 33 and 34, from which

A Pine, 39 in dia. br. N. 22° W. 50 lbs. dist

do. 20 " " N. 15° E. 120 " "

do. 18 " " S. 26° W. 122 " "

do. 12 " " S. 13° E. 18 " "

Cor. falls in little grassy prairie br. S.E.
Land mostly broken and poor. Grass
Heavy pine timber.

Between Tps. 19 & 20 N. Range 5 E.
Gila and Salt River Meridian

La. W. & true line between secs. 4 & 33.
var $15^{\circ} 36' E$.

26.00 A Pine 26 in. dia.

40.00 Set apart, marked $4 \frac{1}{2}$ ft long, flattened 3 in wide,
1 ft in the ground, and build mound of stones 2 ft high
as per instructions for 4 sec. cor. from which
A Pine, 26 in. dia. br. S. $58^{\circ} W$. 53 ft. dist.

do 27 " " " N. $73^{\circ} E$. 36 " "

80.00 Set apart, marked & notched, $4 \frac{1}{2}$ ft long, 3 in. sq. ft.
1 ft in the ground, and build mound of
stones 2 ft high, as per instructions for cor.
to sec. 4 & 33 & 33. from which
A Pine, 26 in. dia. br. S. $78^{\circ} E$. 28 ft. dist.

do 20 " " " S. $8^{\circ} W$. 43 " "

do 24 " " " N. $80^{\circ} W$. 100 " "

do 12 " " " N. $22^{\circ} E$. 45 " "

Land hilly, then smooth rolling.

Soil mostly poor.

Grass. Heavy Pine timber.

Between Tps. 19 & 20 N. Range 5 E.
 Gila & Salt River Meridian

Co. Metamorphic between sec. 5 & 32.
 var. 15° 36' E.

- 8.69 A Pine, 37 in dia.
 40.00 Set a post, marked 14 S. 4 ft long. flattened
 3 in wide, 1 ft in the ground, and build mound
 of stones 2 ft high as per instructions for 14
 sec. cor. from which
 A Pine, 24 in dia. br. S. 11° N. 14 in. dist
 do 30 " " " N. 45 1/2° E. 20 " "
 80.00 Set a post, marked Enchanted, 4 ft long.
 3 in sq. in the ground, and build mound of
 stones 2 ft high, as per instructions for cor.
 to sec. 5, 6, 31 and 32. from which
 A Pine, 20 in dia. br. N. 65° W. 56 in. dist
 do. 21 " " " S. 2° E. 103 " "
 do. 23 " " " N. 70° E. 91 " "
 do. 30 " " " S. 76° E. 139 " "
 Land level but stony and poor.
 Gravel. Heavy Pine timber.

Between Tps. 19 & 20 N. R. 5 E
Gila and Salt River Meridian

h. West corner line between sec. 6 & 31.
var. $15^{\circ} 36' E$.

40.00 Set a post, marked 14 S. $4\frac{1}{2}$ ft. long, flattened 3 in.
wide, 1 ft. in the ground, and build mound of stone $2\frac{1}{2}$ ft.
high as per instruction for 14 sec. cor. from which
A Pine 29 in dia. br. N. $7^{\circ} W$. 83 lbs. dist
do. 20 " " S. $27^{\circ} E$. 114 " "

72.50 A Pine 36 in dia.

And, allowing for emergency, at

78.50 Set a post, marked & notched, $4\frac{1}{2}$ ft. long, 4 in.
sqd. 1 ft. in the ground, and build mound of
stones $2\frac{1}{2}$ ft. high as per instruction for cor. to
Tps. 19 & 20 N. R. 5 E. from which
A Pine 33 in dia. br. S. $26\frac{1}{2}^{\circ} W$. 94 lbs. dist
do. 30 " " " S. $25^{\circ} E$. 117 " "
do. 29 " " " N. $12^{\circ} W$. 85 " "
do. 28 " " " N. $75^{\circ} E$. 114 " "

Land nearly smooth level.

Some good size Grass.

Heavy Pine timber. October 1, 1878.

Between Tps. 20 N., Rps. 4 & 5 E.

Gila & Salt River Meridian

October 2, 1878.

From the Cor. to Tps. 19 & 20 N., Rps. 4 & 5 E. Drive
North between secs. 31 & 36.
on 15° 41' E.

As per Buco's Solar Compass.

140.00 Set a post marked 4 S. 4 ft long, flattened 3 in. wide, 1 ft
in the ground, drive charred stone & build mound of stones
2 ft high, with pile 1 ft deep, 2 ft long, 1 ft wide, for 14 sec. cor. from which

A Pine 12 in. dia. brs. S. 40° W. 7 lbs. dist.
do. 29 " " " N. 51° E. 11 " "

144.00 Descend into deep cañon brs W.

80.00 Cor. falls in bottom of cañon. Set a post, marked
and notched, 4 ft long, 3 in. sq. d. 1 ft in the ground,
and build mound of stones 2 ft high, as per in-
structions for cor. to secs. 25, 30, 31 & 36, from which

A Pine, 18 in. dia. brs. N. 40° W. 150 lbs. dist.

do. 15 " " " N. 24° E. 70 " "

An Oak, 20 " " " S. 61° W. 21 " "

do. 12 " " " S. 75° E. 45 " "

Land badly broken, almost impassable.

Some grass, Heavy Pine timber, Scattering
Oak trees.

Between Tps. 20 N. Rps. 4 & 5 E.
Gila and Salt River Meridian

No. North between sec. 25 & 30.
var. 1541 East

10.00 Ascend ^{out} of canon, to SW.

40.00 Set a post, marked 14 S. 4 ft long, flattened 3 in.
wide, 1 ft in the ground and build mound of
stones 2 ft high, as per instructions for 14 sec.
cor. from which

a Pine, 40 in. dia. to N. 65° W. 120 lbs. dist.

do. 12 " " " N. 30° E. 30 " "

On steep W. slope of hill to the E.

80.00 Set a post, marked & notched, 4 ft long, 3 in.
sqd. 1 ft in the ground, and build mound of
stones 2 ft high, as per instructions for cor. to sec. 19. 24
25 & 30, from which

a Pine, 36 in. dia. to N. 84° E. 75 lbs. dist.

do. 35 " " " S. 45° W. 97 " "

do. 33 " " " S. 15° E. 110 " "

do. 30 " " " N. 60° W. 81 " "

On steep W. slope of hill.

Land barren. Soil poor. Heavy Pine timber.

Between Tps. 20. N. Rps 4 & 5 E.

Gila and Salt River Meridian

Tps. North between secs. 19 & 24
var. 15' 41" East

40.00 Set a post, marked 4 S. 4 ft long, flattened Pine
wide, 4 ft in the ground, drive charred stake and build
mound of earth 2 ft high, with pits 1 ft deep, 2 ft long,
1 ft wide, as per instructions for 4 sec. cor. from which
a Pine. 20 in. dia. br. N. 20° E. 5 1/2 m. dist.

do. 20 " " " N. 4° W. 33 " "

55.00 Deep caisson br. S. W.

73.00 Leave same br. S. W.

80.00 Set a post, marked & notched, 4 ft long, Pine, 4 ft
ft. in the ground, drive charred stake and build mound
of earth 2 ft high, with pits 1 ft deep, 2 ft long, 1 ft wide, as
per instructions for cor. to sec. 13, 18, 19 & 24, from which
a Pine. 35 in. dia. br. N. 45° E. 4 1/2 m. dist.

do. 20 " " " S. 52 1/2° E. 86 " "

do. 36 " " " S. 58° W. 152 " "

do. 6 " " " N. 40° W. 26 " "

Land brown. Soil poor. Grass.
Heavy Pine timber.

Between Tps. 20 N. Rys. 4 & 5 E.
Gila & Salt River Meridian

Sec. North between secs. 13 & 18,
var 15°41' East.

40.00 Set apart, marked 14 S. 4 ft long, flattened 3
in wide, 1 ft in the ground, drive charred stakes
and build mound of earth 2 ft high with pits 1 ft
deep, 2 ft long, 1 ft wide, as per instructions for 14
sec. cor. from which

- A Pine, 20 in. dia. br. N. 58° E. 72 br. dist.
- do. 28 " " " N. 66° W. 36 " "

68.00 Cañon, 900 chs. wide, br. E. & W.

80.00 Set apart, marked & notched, 4 ft long, 3 in. sq. d.
1 ft in the ground, and build mound of stone 2 ft
high, as per instructions for cor. to sec. 7, 12, 13
and 18, from which

- A Pine, 22 in. dia. br. N. 63 1/2° W. 27 br. dist.
- do. 12 " " " S. 46° W. 88 " "
- do. 18 " " " N. 17° E. 26 " "
- do. 28 " " " S. 40° E. 164 " "

Land broken then level. Some good. Grows
Heavy Pine timber.

Between Tps. 20 N. Rgs. 4 & 5 E.
Gila & Salt River Meridian

Sec. North between secs. 7 & 12.
var. 15° 41' East.

25.30 A Pine 36 in. dia.

40.00 Set a post, marked 4 S. 4 ft long, flattened 3 in wide,
1 ft in the ground, drive charred stake and build a
mound of earth 2 ft high, with pit 1 ft deep, 2 ft long,
1 ft wide, as per instructions for 14 sec. cor. from which
A Pine, 29 in dia. br. S. 51° W. 68 lbs. dist.
do. 40 " " " N. 31° E. 108 " "

70.00 A Pine, 23 in. dia.

80.00 Set a post, marked & matched, 4 ft long, 3 in. sq.
1 ft in the ground, drive charred stake & build mound of
earth 2 ft high, with pit 1 ft deep, 2 ft long, 1 ft wide, as
per instructions for cor. to Secs. 1, 6, 7 & 12, from which
A Pine, 30 in dia. br. S. 60° W. 16 lbs. dist.
do. 28 " " " N. 65° W. 21 " "
do. 37 " " " N. 74° E. 80 " "
do. 29 " " " S. 56° E. 74 " "

Land smooth rolling. Some good soil.
Grass, Heavy Pine timber.

Between Tps. 20 N., Rgs 4 & 5 E.
Gila & Salt River Meridian

No. North between sec. 1 & 2,
var. 15° 41' East,

40.00 Set post marked 1/4 S. 4 ft long, flattened 3 in wide,
1 ft in the ground, drive charred stake & build mound
of earth 2 ft high, with pits 1 ft deep, 2 ft long, 1 ft wide,
as per instructions for 1/4 sec. cor. from which
a Pine 10 in. dia. br. S. 36° W. 70 lbs. dia.
do. 30 " " " N. 30° W. 92 " "

46.93 A Pine 36 in. dia.

80.05 Intersect the 5th Standard Parallel N. at a point 7.90
chs. N. of standard cor. to Tps. 21 N., Rgs. 4 & 5 E.

Set post marked & notched, 4 1/2 ft long, 4 in. sq. 1 ft
in the ground, drive charred stake & build mound of earth
2 1/2 ft high, with pits 1 1/2 ft deep, 2 1/2 ft long, 1 ft wide, as
per instructions for ^{closing} cor. to Tps. 20 N., Rgs. 4 & 5 E. from which
a Pine 28 in. dia. br. S. 55° W. 98 lbs. dia.
do. 27 " " " S. 48° E. 69 " "

Land level, descending N. - Jones.

Soil good. Heavy Pine timber.

October 2, 1878

Between Tps. 21 N. Rgs. 4 & 5 E.

Gila and Salt River Meridian

October 8, 1878.

Cor. from the standard cor. to Tps. 21 N. Rgs. 4 & 5 E. June

North between secs. 31 & 36.

var. 15° 50' East

A pair Bart's Solar Compass.

4.80 A Pine 48 in. dia.

22.00 A Cañon 150 lbs. wide, brs E. and W.

40.00 Set a post, marked 74 S. 44° long, flattened Pine
wide 1/2 ft. in the ground, and build mound of stones 2 ft
high as per instruction for 74 sec. cor., from which

A Pine, 38 in. dia. brs N. 85° W. 224 lbs. dia. 1

do. 27. " " S. 76° E. 46 " "

80.00 Set a post, marked & notched, 4 ft long, Pine 2 qd. ft
in the ground, and build mound of stones 2 ft high
as per instruction for cor. to secs. 25, 31, 31
and 36, from which

A Pine, 20 in. dia. brs S. 90° W. 15 lbs. dia. 1

do. 40 " " " S. 40° E. 48 " "

do. 31. " " N. 65° E. 89 " "

do. 25 " " " N. 67 1/2° W. 15 " "

Land broken. Soil mostly poor. Grass.
Heavy Pine timber.

Between Tps. 21 N. Rps. 4 & 5 E.
Gila & Salt River Meridian

No. North between sec. 25 & 30,
var. 15° 50' East

40.00 Set a post marked 14 S. 4 ft long, flattened 3 in.
wide, 1 ft in the ground, drive charred stake and
build mound of earth 2 ft high, with pits 1 ft deep,
2 ft long, 1 ft wide, as per instructions for 14 sec. cor. from which
a Pine, 18 in. dia. br. S. 65° E. 12 hrs. dist.

do. 17 " " " S. 75° W. 15 " "

80.00 Set a post, marked & notched, 4 ft long, 3 in.
sq. d. 1 ft in the ground, drive charred stake and
build mound of earth 2 ft high with pits 1 ft deep,
2 ft long, 1 ft wide, as per instructions for cor. to sec.
19, 24, 25 & 30, from which

a Pine, 24 in. dia. br. N. 72° W. 93 hrs. dist.

do. 20 " " " N. 20 1/2° E. 142 " "

do. 37 " " " S. 75° E. 137 " "

do. 18 " " " S. 37° W. 744 " "

Land broken. Soil mostly poor.
Grass. Heavy Pine timber

Between Tps. 21 N. Rgs. 4 & 5 E.
Gila & Salt River Meridian

Ch. North between secs. 19 & 24
var 15° 50' E.

40.00 Set a post, marked 43, 4 ft long, flattened 3 in wide,
1 ft in the ground, drive chanced stake and build mound
of earth 2 ft high, with pit 1 ft deep, 2 ft long, 1 ft wide
as per instructions for 1/4 sec. cor. from which
a Pine, 46 in dia. br. S. 63 1/2° E. 18 br. dist

do. 42 " " N. 34° W. 31 " "

45.00 Dry wash, 20 brs. wide, brs. S. of all.

55.90 The creek and road brs. N.E. and S.W.

80.00 Set a post, marked & matched 44 ft long, 3 in sq. fl.
1 ft in the ground, drive chanced stake and build
mound of earth 2 ft high, with pit 1 ft deep, 2
ft long, 1 ft wide, as per instructions for cor. to Secs.
13, 18, 19 and 24, from which

A Pine 43 in dia. br. S. 75° E. 12 br. dist

do. 44 " " " N. 78° W. 24 " "

do. 45 " " " S. 35° W. 95 " "

do. 40 " " " N. 62° E. 68 " "

Land mostly level, Soil good. Grass. Many live timber.

Between Tps. 21 N., Rqs. 4 & 5 E.
Gila & Salt River Meridian

Rs North between secs. 13 & 18
var $15^{\circ}50'$ E.

40.00 Set a post, marked 41 S. 4 ft long, flattened 3 in. wide, 1 ft
in the ground, drove charred stake & build mound of
earth 2 ft high, with pit 1 ft deep, 2 ft long, 1 ft wide, as
per instructions, for the sec. cor. from which
a line, 27 in. dia. br. S. 8° E. 62 lbs. dist.

do. 13 " " " 4.88° E. 100 " "

80.00 Set a post, marked & notched, 4 ft long, 3 in. sq. ft.
1 ft in the ground, drove charred stake and build
mound of earth 2 ft high, with pits 1 ft deep, 2 ft
long, 1 ft wide, as per instructions for cor. to secs.
7, 12, 13 and 18, from which

a line, 30 in. dia. br. N. 20° W. 69 lbs. dist.

do. 18 " " " S. $32\frac{1}{2}^{\circ}$ W. 95 " "

do. 20 " " " S. 55° E. 83 " "

do. 19 " " " N. 88° E. 114 " "

Land level. Some good soil -
Grows Heavy Pine timber -

Between Tps 21 N. Rgs. 4 & 5 E.
Gila and Salt River Meridian

Chs. North between secs. 7 & 12,
ran 15° 50' East.

40.00 Set a post, marked 1/4 S. 4 ft long, flattened 3 in. wide,
1 ft in the ground, drive charred stake and build
mound of earth 2 ft high, with pits 1 ft deep, 2
ft long, 1 ft wide, as per instructions for 74 sec.
cor. from which

A Pine. 30 in. diam. S. 25° N. 31 lbs. dist.
do. 12 " " N. 47° E. 57 " "

80.00 Set a post, marked & notched, 4 ft long, 3 in. sq. ft.
1 ft in the ground, drive charred stake and build
mound of earth 2 ft high, with pits 1 ft deep, 2
ft long, 1 ft wide, as per instructions for cor. to Sec.
1.6. 7 & 12. from which

A Pine. 26 in. diam. N. 36 1/2° E. 52 lbs. dist.
do. 25 " " N. 75° W. 87 " "
do. 20 " " S. 78° W. 79 " "
do. 10 " " S. 62° E. 65 " "

Land level then hilly. Some good soil.
Grass. Heavy Pine timber.

Between Tps. 21 N. Rgs. 4 & 5 E
Gila & Salt River Meridian

1/4 Sec. North between sec. 1 & 2.

var 15° 50' East.

40.00 Set a post, marked 4 1/2 ft long, flattened 3 in. wide, 6 in.
the ground, driven chared stake and build mound of
earth 2 ft high, with pits 1 ft deep, 2 ft long, 1 ft wide, as
per instructions for 4 sec. cor. from which
a line 30 in. dia. br. S. 65° E. 53 ls. dist

do. 24 " " " S. 58 1/2° W. 27 " "

80.00 Set a post, marked & notched, 4 1/2 ft long, 4 in.
dya. 1/6 in the ground, driven chared stake and
build mound of earth 2 1/2 ft high, with pits 1 ft
deep, 2 1/2 ft long, 1 ft wide, as per instructions for
cor. to Tps. 21 & 22 N. Rgs. 4 & 5 E. from which
a line 27 in. dia. br. S. 65° W. 68 ls. dist

do. 15 " " " S. 14° E. 88 " "

do. 21 " " " N. 14° W. 74 " "

do. 18 " " " N. 46 1/2° E. 76 " "

Land broken. Soil mostly Poor. Grass.

Some oak brush. Strang Prairie Timber.

October 8. 1878.

Between Tps. 21 & 22 N. Range 5 E.
Gila & Salt River Meridian

October 8, 1878.

Go from the cor. to Tps. 21 & 22 N. Rgs. 4 & 5 E. Run
East on random line along N. boundary Secs. 6, 5, 4, 3, 2 & 1.
var. $15^{\circ} 53'$ East.

As per Burt's Solar Compass

Temporarily mark the line at every 40 & 80 chs, and at
5 miles and 79.00 chs. intersect at a point 145 lbs. N. of
the cor. to Tps. 21^{and 22} N. Rgs. 5 and 6 E. Therefore, the cor-
rection will be 100 lbs. on the N., and 24 lbs. S. per mile.

And from the cor. to Tps. 21 & 22 N. Rgs. 5 & 6 E. Run
N. $89^{\circ} 50'$ W. on true line between sec. 1 & 36.
var. $15^{\circ} 53'$ East.

4.00 Leave timber on N.W. $85^{\circ} E$. enter large open park on N.W.

40.00 Set a post marked 14 S. of long, flattened 3 in. wide, 1 ft in the
ground, four chamed stave & build mound of earth 2 ft
high, with pit 1 ft deep, 2 ft long, 1 ft wide, as per instru-
ments, for 14 sec. cor. No trees near.

80.00 Set a post marked & notched, 4 ft long, 3 in. sq. 1 ft in
the ground, four chamed stave and build mound of earth
2 ft high, with pit 1 ft deep, 2 ft long, 1 ft wide, as per in-
struments, for cor. to Secs. 1, 2, 35 and 36. No trees near.
Land, mostly in open park, descending N. then level.
Some good soil. Grass. No timber.

Between Tps. 21 & 22 N. Range 5 E.
Gila & Salt River Meridian

No. N. 89° 50' W. on true line bet. secs. 2 & 35
var. 15° 53' E.

40.00 Set a post, marked 14 S. 4 ft. long, flattened 3 in. wide, 1 ft. in the ground, drive chanced stake & make mound of earth around it 2 ft. high, with pit 1 ft. deep, 2 ft. long, 1 ft. wide, as per instructions, for 14 sec. cor. No trees near.

80.00 Set a post, marked & notched, 4 ft. long, 3 in. apart, 1 ft. in the ground, drive chanced stake and build mound of earth 2 ft. high, with pit 1 ft. deep, 2 ft. long, 1 ft. wide, as per instructions, for cor. to secs. 2, 3, 34 & 35. No trees near.
Land level. Soil good. In open Park. Grass. No timber.

N. 89° 50' W. on true line between secs. 3 & 34.
var. 15° 53' East

110.00 Set a post, marked 14 S. 4 ft. long, flattened 3 in. wide, 1 ft. in the ground, drive chanced stake & build mound of earth 2 ft. high, with pit 1 ft. deep, 2 ft. long, 1 ft. wide, as per instructions for 14 sec. cor. from which

A Pair, 40 in. dia. brs. N. 79 1/2° W. 315 line dist
No others near.

Between Twp. 21 & 22 N. Range 5 E.
Gila & Salt River Meridian

Ps. Continued

43.50 Set a timber N. and N. of S.

80.00 Set a post, marked & notched, 4 ft. long, 3 in. sq. d. 1 ft. in the ground, and build mound of stones 2 ft. high, as per instructions, for cor. to Secs. 3, 4, 33 & 34, from which

A Pair 41 in. dia. br. S. 38° E. 27 hrs. dist.

do. 39 " " " N. 30° W. 36 " "

do. 44 " " " S. 50° W. 117 " "

do. 31 " " " N. 50½° E. 112 " "

Land uneven. Mostly poor soil on last End. Some good soil E. Grass. Some Heavy Pair timber. Oct. 8, 1878.

N. 89° 50' W. on true line between Secs. 4 & 33

4 ac. 15° 53' East

40.00 Set a post, marked & notched, 4 ft. long, flattened 3 in. wide, 1 ft. in the ground, and build mound of stones 2 ft. high, as per instructions for 14 sec. cor. from which

A Pair 27 in. dia. br. N. 40° W. 73 hrs. dist.

do. 30 " " " S. 32° E. 93 " "

80.00 Set a post, marked & notched, 4 ft. long, 3 in. sq. d. 1 ft. in the ground, and build mound of stone 2 ft. high, as per instructions, for cor. to Secs. 4, 5, 32 and 33, from which

Between Tps. 21 & 22 N. R. 5 E.
Gila & Salt River Meridian

As Continued -

A Pine, 40 in. dia. br. S. 57 $\frac{1}{2}$ ° E. 75 lbs. dia. l.
do. 41 " " " N. 36° E. 189 " "
do. 30 " " " N. 40° W. 398 " "
do. 31 " " " S. 58° W. 59 " "

Land under. Soil mostly stony & poor.

Grass. Heavy Pine Timber on line. Open park
S. and W. of line, br. S. E.

N. 89° 50' W. on true line between sec. 5 & 6 2.
var. 15° 53' East

- 25.00 A Pine 28 in. dia.
- 240.00 Set apart, marked 14 S. 4 ft long, flattened 3 in. wide
1 ft in the ground, and build mound of stones 2 ft high
as per instructions for 14 sec. cor. from which
A Pine, 13 in. dia. br. N. 17° E. 56 lbs. dia. l.
do. 12 " " " S. 24° W. 54 " "
- 80.00 Set apart, marked & notched, 4 ft long, 3 in. sq. pl.
1 ft in the ground, and build mound of stones 2 ft
high, as per instructions, for cor. to sec. 5. 6. 31

Between Tps. 21 & 22 N. R. 3 E.
Gila and Salt River Meridian

Ps. Continued -

and 32. from which

A Pine, 40 in. dia. br. S. $76\frac{1}{2}^{\circ}$ E. 40 lbs. dia

do. 31 " " " N. 39° E. 87 " "

do. 41 " " " N. 34° W. 75 " "

do. 12 " " " S. 64° W. 56 " "

Land smooth rolling, some good soil. But little timber
on E. end. Heavy Pine on W. end.

N. $89^{\circ} 50'$ W. true line between sec. 6 & 31. X
var. $15^{\circ} 53'$ East.

40.00 Set apart marked $\frac{1}{4}$ S. 4 ft long, flattened 3 in. wide, 1 ft
in the ground, driven charred stake & build mound a feather
2 ft high, with pit 1 ft deep, 2 ft long, 1 ft wide, as per instruc-
tions, for $\frac{1}{4}$ sec. cor. from which

A Pine, 30 in. dia. br. S. 40° E. 14 lbs. dia

do. 29 " " " N. 30° W. 13 " "

79.00 This cor. to Tps. 21 & 22 N. R. 3 E.

Land smooth rolling, then hilly, some good soil.

Grass, Heavy Pine timber. October 9, 1878

Between Tps. 20 N. Rps. 3 & 4 E
Gila & Salt River Meridian

The S. boundary of Township 20 N. R. 4 E., cannot be run, as the whole S. and S.W. portions of the township are cut up by impassable cañons of great depth and precipitous rock walls, and the line is utterly impracticable.

But as there is much good agricultural and timber land in the North and Northeast portions of Township 20 N. R. 4 E. it should have subdivision lines run over it. The standard forming the N. boundary, and the E. boundary of the township have already been run in these present surveys. So I shall run what I can of the W. boundary and then subdivide that portion of the township not impracticable.

I go to the Standard cor. to Tps. 21 N. Rps. 3 and 4 E., and run thence along the 5th Standard N. as follows: October 15. 1878.

West on 5th Standard Parallel N.

var. 15° 39' E.

As per Standard line.

Between Tps. 20 N. Rps. 3 & 4 E.
Gila & Salt River Meridian.

Chs. Continued
and 6.00 chs., being the calculated course,
at this point, I set a post, marked and
notched, 4 1/2 ft long, 4 in. sq. d., 1/2 in. the ground,
and build around a stone 2 1/2 ft high, as per in-
structions for closing cor. to Tps. 20 N. Rps. 3 & 4 E.
from which

A Pine, 21 in. dia. br. S. 70° W. 98 lvs. dist.

do. 12 " " " S. 44° E. 100 " "

And from this cor. to Tps. 20 N. Rps. 3 & 4 E. I run
South, on true line between secs. 1 & 2,
var. 15° 39' East.

As per Burt's Solar Compass.

40.00 Set a post, marked 7/8 ft long, flattened iron rods,
1/2 in. the ground, and build around a stone 2 ft high,
as per instructions for 4 sec. cor. from which

A Pine, 30 in. dia. br. S. 59° W. 53 lvs. dist.

do. 33 " " " N. 80° E. 73 " "

Just less than 1/2 mile S. of this cor. the line intersects
impassable and impracticable canyons, bearing S.E.
and thence S., making the ground utterly impracticable
and worthless. And the timber becomes scrubby and
poor to the S. of the canyons, and gradually disappears
entirely. I cannot run any further S.

October 15, 1878.

Between Tps. 21 N. Rgs. 3 & 4 E.
Gila & Salt River Meridian

October 14, 1878.

From the Standard cor. to Tps. 21 N. Rgs. 3 & 4 E. Sec. 36
North to sec. 31 & 36.

var. 15° 40' East

As per Burt's Solar Compass

15.90 The overland road br. E. & W.

40.00 Set a post, marked "4 S. 4 ft. long, flattened 3 in.
wide, 1 ft. in the ground, driven around stone &
built around a fourth of height with pits 1 ft.
deep, 2 ft. long, 1 ft. wide, as per instructions for
14 sec. cor. from which

A Pine, 45 in. dia. br. N. 71° W. 11 hrs. dist.

do. 30 " " " N. 41° E. 56 "

71.00 An oak 12 in. dia.

80.00 Set a post, marked & notched, 4 ft. long, 3 in. sq. d.
1 ft. in the ground, and built around a stone 2 ft. high
as per instructions for cor. to sec. 25-30-31 & 36. from which

A Pine, 43 in. dia. br. S. 53½° E. 52 hrs. dist.

do. 45 " " " S. 85° W. 247 " "

do. 21 " " " N. 5° W. 106 " "

do. 30 " " " N. 47½° E. 156 " "

Land level. Stony and poor Grass
Heavy Pine timber.

Between Tps. 21 N. Rgs. 3 & 4 E.
Gila & Salt River Meridian

Cor. North, between secs. 25 & 30
742. 15° 40' East

40.00 Set a post marked "4 S. 4 ft long, flattened
3 in wide, 1 ft in the ground, and build mound
of stones 2 ft high, as per instructions for "4 sec.
Cor. from which

- A Pine, 36 in dia. br. N. 48° W. 26 lbs. dia't
- do. 34 " " " N. 88° E. 65 " "

80.00 Set a post, marked "5 notched, 4 ft long, 3 in sq'd.
1 ft in the ground, drive charr'd stake and build
mound of earth 2 ft high, with pits 1 ft deep, 2 ft
long, 1 ft wide, as per instructions for cor. to secs.
19, 24, 25 and 30, from which

- A Pine, 43 in dia. br. N. 30° E. 10 lbs. dia't
- do. 39 " " " S. 88° E. 68 " "
- do. 40 " " " S. 89° W. 112 " "
- do. 6 " " " N. 37 1/2° W. 18 1/4 " "

Broken hills. Soil ferr. Grasses,
Henry Pine timber.

Between Twp. 21 N. Rqs. 3 & 4 E.
Gila & Salt River Meridian

Thence North between Secs. 19 & 21
ran. $15^{\circ}40'$ East

39.00 Dry wash, 20 lbs. wide, br. N.E.

40.00 Set a post, marked $\frac{1}{4}$ S. $\frac{1}{4}$ ft. long, flattened 3 in.
wide, 1 ft. in the ground, and build mound of
stones 2 ft. high, as per instructions for $\frac{1}{4}$ of
sec. cor. from which

A Pine, 31 in. dia. br. N. 75° E. 45 lbs. diet

do. 30 " " " S. 24° N. 147 " "

And commence ascent of hill.

80.00 Set a post, marked & notched, $\frac{1}{4}$ ft. long, 3 in. sq. ft.
1 ft. in the ground, and build mound of stones
2 ft. high, as per instructions for cor. to Secs.
13, 18, 19 and 21. from which

A Pine 12 in. dia. br. N. 55° E. 86 lbs. diet

do. 30 " " " S. 30° N. 50 " "

do. 31 " " " S. $17^{\circ}\frac{1}{2}$ E. 216 " "

do. 23 " " " N. $32^{\circ}\frac{1}{4}$ N. 158 " "

Land broken. Soil poor and stony.

Grass, Heavy *Panicum*. Scattered oak trees.

October 17. 1878

Between Tps. 21 N. Rgs. 3 & 4 E.
Gila & Salt River Meridian

30. North between secs. 13 & 18,
var. 15° 40' East

38.00 A Pine 3 1/2 in dia.

40.00 Set a post, marked 1/4 S. 4 ft long, flattened
3 in wide, 1 ft in the ground, and build mound of
stones 2 ft high, as per instructions for 1/4 sec.
cor. from which

A Pine, 35 in dia. brs, N. 61° W. 31 lbs. dia.
do. 40 " " " S. 79° E. 71 " "

45.00 Descend steep, broken precipice brs E. W.
49.00 Foot.

80.00 Set a post, marked & notched, 4 ft long, 3 in
sq. d. 1 ft in the ground, and build mound of
stones 2 ft high, as per instructions for cor. to
secs. 7, 12, 13 and 18. from which

A Pine 14 in dia. brs, S. 35° E. 36 lbs. dia.
do. 45 " " " S. 41 1/2° W. 75 " "

do. 20 " " " N. 27° W. 67 " "
do. 20 " " " N. 65° E. 78 " "

Sand brown and poor. Grass. Heavy Pine timber.
Scattering Oak trees.

Between Tps. 21 N. Rps. 3rd & E
Gila & Salt River Meridians

No. North between sec. 7 & 12
var. 15° 40' East

40.00 Set a post, marked 14 S. 4 ft. long, flattened 3
in. wide, 1 ft. in the ground, drive charred stake
and build mound a fourth of the high, with
pit 1 ft. deep, 2 ft. long, 1 ft. wide, as per instructions
for 14 sec. cor. from which

An Oak, 12 in. dia. br. S. 28° N. 8 hrs. dist
a Pine, 28 " " " N. 46° E. 61 " "

Round low smooth hill immediately E. of cor.

80.00 Set a post, marked 4 notched, 4 ft. long, 3 in. sq. d.
1 ft. in the ground, drive charred stake and build mound
a fourth of the high, with pit 1 ft. deep, 2 ft. long, 1 ft. wide,
as per instructions, for cor. to sec. 1, 6, 7 and
12, from which

a Pine, 33 in. dia. br. S. 41° E. 31 hrs. dist

do. 19 " " " S. 74° N. 120. " "

do. 30 " " " N. 14 1/2° E. 208. " "

do. 21 " " " N. 5° N. 148. " "

Sand rolling some good soil.
Grass. Heavy Pine timber
Scattered Oak trees.

Between Tps. 21 N. Rgs. 3rd & 4th E.
Gila and Salt River Meridian

Chs. North between secs. 1 & 2.
var. 15° 40' E.

40.00 Set a post, marked 14 S. 4 ft long, flattened
3 in. wide, flush the ground, and build mound
of stones 2 ft high, as per instructions for
14 sec. cor. from which

a Pine, 26 in. dia. to, S. 72° W. 43 lbs. diet

do. 21 " " " N. 62° E. 52 " "

80.00 Set a post, marked & notched 4 1/2 ft long, 4 in
sq. flush the ground, and build mound of
stones 2 1/2 ft high, as per instructions for
cor. to Tps. 21 & 22 N. Rgs. 3 and 4
E. from which

a Pine, 30 in. dia. to, N. 50° W. 89 lbs. diet

do. 29 " " " S. 62° W. 78 " "

do. 28 " " " S. 17° E. 172 " "

do. 12 " " " N. 27° E. 128 " "

Land broken then level. Soil mostly poor.
Grass. Heavy Pine Timber.

Scattering Cactuses. October 18, 1878.

Between Tps. 21 & 22 N. Range 4 E.
Gila & Salt River Meridian

October 18. 1878.

As From the cor. to Tps. 21 & 22 N. Rgs. 3 & 4 E. from
Eastward on line along N. boundary of Sec. 6. S. 1. 32 & 1.
var. 15° 49' E.

As per Burt's Solar Compass.
Set temporary corners at every 40 and
80 chs., and at 5 miles and 79.79
chs. I intersect a point 125 lbs. N.
of cor. to Tps. 21 & 22 N. Rgs. 4 & 5 E.
Therefore the correction on the N. will
be 21 lbs., and from the S. 21 lbs. per mile.

So, from the cor. to Tps. 21 & 22 N. Rgs. 4 & 5 E. from
N. 89° 51' W. on true line bet. sec. 1 & 36.
var. 15° 49' E.

40.00 Set a post, marked 1/4 S. 1/4 E. long. flattened
3 in wide, 1 ft in the ground, drive charred
stake & build mound of earth 2 ft high
with pits 1 ft deep, 2 ft long, 1 ft wide, as per
instructions for 1/4 sec. cor. from which
a Pine 26 in. dia. br. N. 35° W. 46 lbs. dist
do 14 " " South 106 " "

Between Tps. 21 & 22 N. R. 4 E.
Gila & Salt River Meridian

Rs. Continued

- 80.00 Set a post, marked & notched, 4 ft long,
3 in. sq. ft. in the ground, drive charred
stake & build mound of earth 2 ft high, with
pits 1 ft deep, 2 ft long, 1 ft wide, as per in-
structions for corr. to Secs. 1, 2, 3, 5 & 36, from which
a Pine, 32 in. dia. br. N. 29° W. 392 was dist.
do. 18 " " " N. 16° E. 275 " "
do. 22 " " " S 80° E. 338 " "
- None near in sec. 2.

Land level. Some good soil.
Grass. Some heavy Pine timber, but
scattering on last end.

N. 89° 51' W. on true line bet sec. 2 & 35.
var. 15° 49' E.

- 40.00 Set a post, marked 4 S. 4 ft long, flattened
3 in. wide, 1 ft in the ground, drive charred
stake and build mound of earth 2 ft high
with pits 1 ft deep, 2 ft long, 1 ft wide, as per

Between Tps. 21 & 22 N. R. 4 E
Gila & Salt River Meridian

Continued.

Instructions, for 1/4 sec. cor. from which
 A Pine, 40 in. dia. br. S. 65° W. 65 hrs. dist.
 do. 43 " " " S. 12 1/2° E. 68 " "

40.00 Leave timber N. W. & S. E, enter N. side of
 large open park bearing to the S.

80.00 Set a post, marked & notched, 4 ft long, 3
 in. sq. d. 1 ft in the ground, drive charred stake
 and build mound of earth 2 ft high with
 pits 1 ft deep, 2 ft long, 1 ft wide, as per in-
 structions for cor. to Sec. 2, 3, 34 & 35.

Notice near.

Land level. Soil good. Grass. Scattering timber

N. 89° 51' W. entrance line bet. Sec. 3 & 34.
 var. 15° 49' East

40.00 Set a post, marked 1/4 S. 4 ft long, flattened 3
 in. wide, 1 ft in the ground, drive charred stake
 and build mound of earth 2 ft high with
 pits 1 ft deep, 2 ft long, 1 ft wide, as per in-

Between Tps. 21 & 22 N. R. 4 E.
Gila & Salt River Meridian

No. Continued

80.00 Set a post, marked & notched, 4 ft. long, 3 in. sq. d. 1 ft. in the ground, and build a mound of stones 2 ft. high, as per instructions, for cor. to sec. 3. 4. 33 and 34. No trees near.

Duaper Pass. Land level. Soil good. Grass. No timber on line. Pine timber brs. E. & W. a few chains to the N.

N. 89° 51' N. on true line bet sec. 4 & 33.
var. 15° 49' East

40.00 Set a post, marked 14 S. 4 ft. long, flattened 3 in. wide, 1 ft. in the ground, drive charred stake and build mound of earth 2 ft. high, with pits 1 ft. deep, 2 ft. long, 1 ft. wide, as per instructions for 14 sec. cor. No trees near.

80.00 Set a post, marked & notched, 4 ft. long, 3 in. sq. d. 1 ft. in the ground, drive charred stake

Between Tps. 21 & 22 N. Range 4 E.
Gila & Salt River Meridian

As. Continued -

and build mound of earth 2 ft high, with
pits 1 ft deep, 2 ft long, 1 ft wide, as per in-
struction, for cor. to secs. 4, 5, 32 and 33.

No trees near.

Land, in open Park; level. Soil usually good.
Grass. No timber.

N. 89° 51' W. on track line bet. secs. 5 & 32.
var. 15° 49' East

40.00 Set a post, marked "48", 4 ft long, flattened 3 in. wide,
1 ft in the ground, drive charred stake & build a
mound of earth 2 ft high, with pits 1 ft deep, 2 ft
long, 1 ft wide, as per instruction, for 4 sec. cor.
No trees near.

52.50 Leave open Park, enter timber Cr. N. & S.

80.00 Set a post, marked "E notched", 4 ft long, 3 in.
sq. d. 1 ft in the ground, and build mound
of stone, 2 ft high, as per instruction for
Cr. to secs. 5, 6, 31 & 32, from which

Between Tps. 21 & 22 N. R. 4 E.
Gila Salt River Meridian

Ps. Continued

- A Pine, 20 in. dia. br. N. 2° W. 19 lvs. dist.
 - do. 12 " " " N. 68° E. 16 " "
 - do. 12 " " " S. 45° W. 37 " "
 - do. 27 " " " S. 62° E. 142 " "
- Land uneven. Soil mostly poor.
Grass. Some heavy Pine on W. end.

N. 89° 51' W. on true line bet sec. 6 & 31.
var 15° 49' E.

- 16.02 A Pine 33 in. dia.
 - 46.00 Set apart marked 14.5 ft long flattened Pine wide 1 ft
in the ground, and built around of stones 2 ft high, as
per instructions for 4 sec cor. from which
A Pine, 18 in. dia. br. N. 62° E. 23 lvs. dist.
 - do. 20 " " " S. 5° W. 43 " "
 - 79.79 The cor. to Tps. 21 & 22 N. R. 3 & 4 E.
Land along bottom S. slope of hills to the N.
Soil poor. Grass. Some Heavy Pine timber.
- October 18. 1878.

Between Tps. 21 N. Rps. 2 & 3 E.
Gila & Salt River Meridian

October 25-1878

No. From the ^{Standard} ~~cont.~~ Tps. 21 N. Rps. 2 & 3 E. In line
North. between secs. 31 & 36.
var $15^{\circ}36' E.$

As per Burt's Solar Compass
Descending N.

- 2.23 A Pine 23 in. dia.
- 5.00 Level ground, and cuts little opening to. N. 99. E. S. E.
- 13.36 The overland road to. N. W.
- 25.50 Leave opening, enter timber to. N. W. & S. E.
- 40.00 Set a post, marked 4 S. 4 ft long, flattened 3 in. wide, 1 ft in the
ground, and build mound of stones 2 ft high, as per instruc-
tions, for 4 sec. cor. from which
A Pine, 20 in. dia. to. S. 80° E. 30 hrs. dist.
do. 31 " " " N. 65° W. 55 " "
- 58.43 A Pine, 30 in. dia.
- 59.66 do. 36 " "
- 80.00 Set a post, marked & mottled, 4 ft long, 3 in. sq. 1 ft in the ground,
and build mound of stones 2 ft high, as per instructions for
cont. sec. 25, 30, 31 & 36, from which
A Pine, 35 in. dia. to. N. 65° W. 70 hrs. dist.
do. 25 " " " S. 61° W. 127 " "
do. 26 " " " N. 78° E. 68 " "
do. 8 " " " S. 70° E. 36 " "
- Land rolling. Soil Good then poor.
Grass. A very Pine timber.

Between Tps. 21 N. Rps. 2 & 3 E.
Gila Salt River Meridian

To North between secs. 25 & 30.
var. 15° 36' East.

34.00 ascend.

40.00 Set a post, marked 14 S. 4 ft long, flattened 3 in.
wide, 1 ft in the ground, and build mound of
stones 2 ft high, as per instructions for 14 sec.
cor. from which

- A Pine, 39 in. dia. br. S. 81° E. 63 lbs. dist.
- An Oak, 18 " " " N. 60° W. 49 " "

80.00 Set a post, marked and notched, 4 ft long,
3 in. sq. 1 ft in the ground, and build mound
of stones 2 ft high, as per instructions for cor. to
secs. 19, 24, 25 and 30, from which

- A Pine, 29 in. dia. br. S. 73° W. 24 lbs. dist.
- do. 28 " " " N. 34° W. 39 " "
- do. 25 " " " N. 79° E. 66 " "
- do. 23 " " " S. 78° E. 158 " "

Land level & good; then broken and poor.
Grass, Heavy Pine timber,
Scattering oak trees.

Between Tps. 21 N. Rgs. 2 & 3 E.
Gila & Salt River Meridian

- No. North between secs. 19th & 21st.
var. 15°36' E.
- 40.00 Set a post, marked 1/4 S. 4 ft long, flattened 3 in. wide,
1 ft in the ground, and build mound of stone 2 ft high,
as per instructions for 1/4 sec. cor. from which
An Oak, 8 in. dia. br. S. 42° E. 31 lbs. diet.
- do. 12 " " " N. 57° W. 51 " "
- 80.00 Set a post, marked & notched, 4 ft long, 3 in. sq. ft.
1 ft in the ground, drive charred stake and build a
mound a least 2 ft high, with pits 1 ft deep, 2 ft long,
1 ft wide, as per instructions for cor. to Secs. 13, 18,
19 and 21st. from which
- A Pine, 12 in. dia. br. S. 70° E. 40 lbs. diet.
- do. 21 " " " S. 5° W. 38 " "
- do. 31 " " " N. 33° W. 151 " "
- do. 30 " " " N. 79° E. 130 " "
- High table land then rolling. Soil mostly
poor. Some heavy Pine timber. Grass
Scattering oak trees and brush.

Between Tps. 21 N. Rgs. 2 & 3 E.
Gila & Salt River Meridian

Trs. North between secs. 13 & 18.
var. 15° 36' E.

- 5.00 Descend rolling hills, br. E. & W.
- 23.50 Leave timber E. & W. and enter open park to the N. & N.E.
- 40.00 Set a post, marked 14 S. 4 ft long, flattened 3 in wide, 1 ft in the ground, drive charred stake & build mound of earth 2 ft high, with pits 1 ft deep, 2 ft long, 1 ft wide, as per instructions for 14 sec. cor. No trees near.
- 62.50 Ranch road brs S.W.
- 77.50 Enter timber brs. N. E. and S. W.
- 80.00 Set a post marked & notched, 4 ft long, 3 in sq. d. 1 ft in the ground, drive charred stake and build mound of earth 2 ft high, with pits 1 ft deep, 2 ft long, 1 ft wide as per instructions for cor. to secs. 7, 12, 13 and 18, from a bench

A Pine,	31 in. dia. br. S. 6° E.	81	less	dist
do.	29 " " " S. 28° W.	108	"	"
do.	27 " " " N. 52° W.	50	"	"
do.	25 " " " N. 75° E.	59	"	"

Land rolling then level. Some good on last half.
Grass, some Heavy Pine timber.
Scattering Oak and Aspen trees.

Between Tps. 21 N. Rqs. 2 & 3 E.
Gila & Salt River Meridian

Sec. North between sec. 7 & 12,
var. 15° 36' E.

26.02 A Pine 24 in. dia.

40.00 Set a post, marked 14 S. 44° long, flattened 3 in.
wide, 1 ft in the ground, drive charred stakes and
build mound of earth 2 ft high with pits 1 ft deep,
2 ft long, 1 ft wide, as per instructions for 14 sec. cor-
from which

A Pine, 33 in. dia. br. N. 47° W. 44 lbs. dist.

do. 31 " " " S. 86° W. 48 " "

80.00 Set a post, marked & notched, 14 ft long, 3 in.

sq. d. 1 ft in the ground, and build mound of
stones 2 ft high, as per instructions for cor. to
secs. 1, 6, 7 and 12, from which

A Pine, 29 in. dia. br. N. 57° E. 73 lbs. dist.

do. 20 " " " S. 18° E. 91 " "

do. 28 " " " S. 64° W. 66 " "

do. 30 " " " N. 80° W. 23 " "

Land level, some good soil. Grass
Heavy Pine timber.

Between Tps. 21 N. Rgs. 2 & 3 E.
Gila Salt River Meridian

Trs. North between secs. 1 & 2.
var. 15° 36' East

- 23.81 A Pine. 24 in. dia.
- 25.21 do. 23 " "
- 40.00 Set apart, marked 14 S. 4 ft long, flattened 3 in. wide, 1 ft in the ground, driven charred stake and build mound of stones 2 ft high, with pits 1 ft deep, 2 ft long, 1 ft wide, as per instructions for 14 sec. cor. from which A Pine. 20 in. dia. on East. 24 hrs. dist
do. 24 " " " S. 65° W. 116 " "
- 56.00 Leave timber E. & W., enter little opening to N. & N.W.
- 80.00 Set apart, marked & notched, 4 1/2 ft long, 4 in 2 1/2 in. 1 ft in the ground, driven charred stake and build mound of earth 2 ft high, with pits 1 1/2 ft deep, 2 1/2 ft long, 1 ft wide, as per instructions for cor. to Tps. 21 & 22 N. Rgs. 2 & 3 E.

No trees near
Land uneven, then level and good.
Grass. Some heavy Pine timber.

Between Tps. 21 & 22 N. Range 3 E.

Gila & Salt River Meridian

October 25, 1878

From the cor. to Tps. 21 & 22 N. Rqs. 2 & 3 E. I run
East a random line on N. boundary sec. 6, 5, 4, 3, 2 & 1.
var. $15^{\circ}42'$ E.

As per Beards Solar compass.

I set temporary half mile & mile marks at every
40 & 80 chs, and at 5 miles and 79.30 chs. I
intersect a point 105 lvs. S. of the cor. to Tps.
21 & 22 N. Rqs. 3 & 4 E. Therefore the cor-
rection will be 70 lvs. on the N., and $17\frac{1}{2}$ lvs.

N. per mile. And from the cor. to Tps. 21
and 22 N. Rqs. 3 and 4 E. I run

S. $89^{\circ}53'$ W. on true line between sec. 1 & 36.
var. $15^{\circ}42'$ East.

22.45 Leave timber N.W. & S.E., and enter the S.E. cor.

of a large open park bearing to N.W.

26.00 A log house brs. S. about 4° chs. dist.

27.58 A trail brs NW and SE. to house.

30.12 Road from house brs NW. and S.E.

40.00 Set a post, marked $\frac{1}{4}$ S. $\frac{1}{4}$ flong, flattened
3 in wide, 1 ft in the ground, and build a

Between Sp. 21922 N. R. & E.
Gila $\frac{2}{3}$ Salt River Meridian

Sp. Continued

mound of stone 2 ft high, as per instructions
for 14 sec. cor. from which

A Pine, 30 in. dia. br. N. 20° W. 170 lbs. dist.

do. 29 " " " S. 57° W. 216 " "

42.00 Enter timber br. N. & S.

45.20 A Pine 31 in. dia.

80.00 Set a post, marked and notched, 4 ft long,
3 in. sq. d. 1 ft in the ground, drive charred
stake and build mound of earth 2 ft high,
with pit 1 ft deep, 2 ft long, 1 ft wide, as
per instructions for cor. to sec., 1, 2, 35
and 36, from which

A Pine, 26 in. dia. br. S. 70° E. 27 lbs. dist.

do. 28 " " " S. 65° W. 32 " "

do. 23 " " " N. 71° W. 34 " "

do. 24 " " " N. 55° E. 151 " "

Landowner, Mostly stony, poor.

Grass. Heavy Pine timber on N. half.

Between Tps. 21 & 22 N. Range 3 E.
Gila & Salt River Meridian

No. 189° 53' Montpelier bet sec. 2 & 35,
var. 15° 42' East.

3.04 A Pine 24 in dia.

40.00 Set a post, marked 1/4 S. 4 ft long, flattened 3
in wide, 1 ft in the ground, drive charred stake
and build mound of earth 2 ft high with
pit 1 ft deep, 2 ft long, 1 ft wide, as per instruc-
tions, for 1/4 sec. cor. from which

A Pine, 20 in dia. br. N. 75° W. 17 lbs. dist.

do. 18 " " " S. 65° E. 47 " "

50.00 Leave timber N. & S., enter N. E. corner of opening
br. to the S. W. and S.

80.00 Set a post, marked 3/4 notched, 4 ft long, 3 in.
sq. d. 1 ft in the ground, and build mound of
stone 2 ft high, as per instructions for
cor. to sec. 2, 3, 34 and 35.

Notes near.

Rolling & broken: poor: then level and
some good soil. Grass. Some heavy
Pine timber. October 25. 1878.

Between Tps. 21 & 22 N. R. 3 E.
Gila and Salt River Meridian

- to S. 89° 53' N. on true line bet. sec. 3 & 34.
var. 15° 42' East.
Superior runs along in opening, from cor.
00 Leave opening, enter timber N. W. and S. E., and
ascend N. W. slope of small mountain bet. S. E.
40.00 Set a post, marked 14 S. 4 ft long, flattened 3 in wide,
1 ft in the ground, driven & charred & a build around of earth
2 ft high, with pits 4 ft deep, 2 ft long, 4 ft wide, as per in-
structions for 14 sec. cor. from which
A Pine, 29 in. dia. bet. S. 5° E. 110 lbs. dict.
do. 30 " " " N. 14½° W. 146 " "
50 A Pine 37 in. dia.
90.00 Set a post, marked & notched, 4 ft long, 3 in. sq. d. ft.
in the ground, and build around of stones 2 ft high
as per instructions for cor. to sec. 3, 4, 33 & 34, from which
A Pine, 23 in. dia. bet. N. 87° E. 8 lbs. dict.
do. 12 " " " S. 50° E. 20 " "
do. 20 " " " S. 71° N. 38 " "
do. 24 " " " N. 25° W. 141 " "
Land here then broken. Good then poor soil. Grass.
Some heavy Pine timber.

Between Tps. 21 & 22 N. R. 3 E.
Gila & Salt River Meridian

hs. S. 89° 53' W. on true line bet sec. 4 & 33.
var. 15° 42' E.

12.00 Leave timber N. & S., enter little opening bet. N. & S.

40.00 Enter timber again N.E. & S.W. Set a post, marked 44

4 ft long, flattened 3 in wide, 1 ft from the ground, drive chisel
stake & build a mound of earth 2 ft high, with pile of dead

2 ft long, 1 ft wide, as per instructions, for 4 sec. co. from
A Pine, 26 in dia. bet. N. 15° W. 26 hrs. dist.

do. 30 " " " S. 68° W. 46 " "

42.35 A Pine 28 in dia.

45.00 Ascend high rocky mesa, bet. S.W. & N.E.

78.62 A Pine 26 in dia.

80.00 A Pine tree 25 in dia. in place. Mark it for cor. to
sec. 4.5.32 & 33. from which

A Pine, 18 in dia. bet. N. 15° E. 80 hrs. dist.

do. 19 " " " N. 24° W. 49 " "

do. 22 " " " S. 54° E. 85 " "

do. 18 " " " S. 30° W. 180 " "

Land level then on high mesa. Soil good then poor.
Heavy Pine timber for most part. Scattering oak trees
and brush. Grass.

Between Tps. 21 & 22 N. R. 3 E.
Gila & Salt River Meridian

Co. S. 89° 53' W. across line bet sec. 5 & 37.
var. 15° 42' East

25.22 Ranch road bet N.E. & S.W.

46.00 Set a post marked #4 S. 4 ft. long, flattened 3 in wide,
1 ft in the ground, drive chaired stake & build mound
of earth 2 ft high, with pits 1 ft deep, 2 ft long, 1 ft wide,
as per instructions, for 14 sec cor, from which
a Pine, 36 in. dia. br., S. 16° E. 321 lbs. dia.
do. 35 " " " S. 43° W. 258 " "

Corner falls in edge of corner of opening bearing to N. & N.E.

80.00 Set a post, marked & notched, 1 ft long, 3 in high,
1 ft in the ground, and build mound of stone 2 ft
high, as per instructions for cor. to sec., 5, 6, 31
and 37, from which

a Pine, 25 in. dia. br., N. 88° W. 122 lbs. dia.
do. 26 " " " S. 37° W. 47 " "
do. 36 " " " S. 9° E. 66 " "
do. 20 " " " N. 50° E. 88 " "

Land level. Mostly stony and poor.

Heavy timber for most part. Grass

Between Tps. 21 & 22 N. R. 3 E.
Gila & Salt River Meridian

No. 189° 53' W. entrance line bet. sec. 6 & 31.
var. 15° 42' East

2.23 A Pole 30 in. dia.

14.00 Leave timber br. N. W. & S. E. enter opening br. N. E. S.

40.00 Set a post, marked 14 S. 4 ft. long, flattened 3 in. wide,
1 ft. in the ground, drive charred staves and build
mound of earth 2 ft. high with pit 1 ft. deep 2
ft. long, 1 ft. wide as per instructions for 14 sec. cor.
No trees near.

56.00 Enter scattering timber br. N. W. & S. E.

65.00 Leave scattering timber br. N. W. & S. E. enter
clear opening again.

79.30 The cor. to Tps. 21 & 22 N. Rgs. 2 & 3 E.

Land mostly level and good soil.
Grass. Scattering timber

October 26. 1898.

General Description.

The foregoing Exterior lines enclose townships covering timber lands to the S. and S.W. of the San Francisco mountains. The lands is wholly non-mineral and there is no mineral in any of the adjacent mountains within present knowledge.

The timber is some of the best pine in Arizona, and of great commercial value.

The timber is a compact body of Pine interspersed with occasional openings, the trees of good size and height and very tall. There are occasional clumps of oak and aspen trees on the hills.

The lines were blazed through timber, and timber trees notched.

John L. Harris.

U.S. Deputy Surveyor

List of Names.

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BOOK 1387

A List of the Names of Individuals employed
 assist in running, measuring, or marking the
 lines and corners described in the foregoing Field
 Notes of the survey of The Exterior Boundaries of
Townships 21 N. Ranges 3. 4. 5. 6 & 7 E., and
Townships 20 N. Ranges 4. 5. 6 & 7 E., in-
cluding a portion of the 5th Standard Par-
allel N., as also the base lines in con-
nection with preliminary triangulations,
 owing the respective capacities in which they
 acted.

Richard Shreve Chainman.

N. Van Alstine Chainman,

W. Seastegul
Paul Carpenter } Axeman.

Wm. Amos Kolb Flagman.

D. B. Dodson Pitman

Final Oath of Assistants.

We hereby certify that we assisted John L. Harris U. S. Deputy Surveyor, in surveying The Exterior Boundaries of Tps. 21 N. Range 3, 4, 5, 6 & 7 E. and Tps. 20 N. Rgs. 4, 5, 6 & 7 E., including a portion of the 5th Standard Parallel N^y, as also the base lines in connection with preliminary triangulations,

and that said Survey has been in all respects, to the best of our knowledge and belief, well and faithfully executed, and the boundary monuments planted according to the instructions furnished by the Surveyor-General.

Richard Shoop Chainman.
N. Van Alstine Chainman.
Frank Carpenter Axeman.
Wm. Amos ^{as} Kalk Flagman.
D. B. Dodson

Sworn to and subscribed before me, this 13 day of November 1878

John R. Farrell
Notary Public

Final Oath of Deputy Surveyor.

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I, John L. Harris

Deputy Surveyor, do solemnly swear that in pursuance of a contract with John Wasson, United States Surveyor-General for Arizona, bearing date the 29th day of July

1878. I have well, faithfully and truly, in my own proper person, and in strict conformity with the instructions furnished by the Surveyor-General in the Surveying Manual, and the laws of the United States, surveyed all those portions of

Exterior Boundaries of Tps. 21 N. Ranges 5, 6 & 7 E. and Tps. 20 N. Ranges 6 & 7 E. including a portion of the 4th Standard Parallel N., as also
all lines in connection with preliminary
regulations, ----- as are repre-

ed in the foregoing Field Notes as having been surveyed under my directions; and I do hereby solemnly swear that all the corners of the surveys have been established and perpetuated in strict accordance with the Surveying Manual and printed instructions, and also in accordance with the additional requirements con-

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BOOK 1387

U. S. Surveyor General's Office,

TUCSON, ARIZONA, December 30, 1878.

The foregoing Field Notes of the Survey of the Triangulation from Chino Valley to vicinity of San Francisco Mt., ^{and} exterior boundaries of Sps. 20 & Rgs. 4, 5, 6 ^{and} E., and of Sps. 21 & Rgs. 3, 4, 5, 6 ^{and} E., including portion of the Fifth Standard Parallel North,

of the Gila and Salt River Base and Meridian, Arizona, executed

by John L. Harris.

deputy Surveyor, under his contract of the

29th

day of

July

, 1878, having been

critically examined and the necessary corrections and explanations made, the said Field Notes and the surveys they describe

are hereby approved.

I

John Masson.

Surveyor General.

to

M

cc