

1

1474

See Index

Field Notes

1474 BOOK 1474

OF THE SURVEY OF

Eastern & Traverse Lines in Twp. 45.

Eastern Lines of Townships:

- 9 S. Range 18 E.
- 10 S. " 18 E.
- 11 S. " 18 E.
- 12 S. Ranges 18 + 19 E.
- 13 S. Range 19 E.

Gila and Salt River Base and Meridian

1474
ARIZONA BOOK 1474

By *John L. Harris* D. S.

under contract dated *Aug 19*, 1879.

Survey commenced *Nov. 1*, 1879.

Survey completed *Dec. 6*, 1879.

J. L. Harris

1474

258
3659
61

S. 9d, R. 18 E

S. 9d, R. 19 E

31 32 33
~~18 19 21X~~
 6 5 4

S. 10d, R. 18 E

S. 10d, R. 19 E

24 ~~25~~ 19

25 2 4 30

36 2 3 31

1 2 7 6

12 2 8 7

S. 11d, R. 18 E

S. 11d, R. 19 E

13 2 9 18

24 3 0 19

25 3 1 30

33 34 35 36 37 38 39

~~33 34 35 36 37 38 39~~

4 3 2 1 4 0 6 5

1 2 4 1 7

S. 12 S, R. 18 E

S. 12 S, R. 19 E

13 4 2 18

24 4 3 19

25 4 4 30

34 35 36 40 31 32 33 34 35 36 ~~37~~

~~41 8 47 46 50 50 51 52 53 54~~

3 2 1 6 5 4 3 2 1 56

12 56

S. 13d, R. 18 E

S. 13d, R. 19 E

13 57

24 58

25 58

36 59

61

P 146, 58

21-5

38 15

" 18

" 23

" 26

" 33

" 38

" 40

" 46

" 50

" 55

" 56

" 61

11					
15	6	13	5		
		12			
7	8	11	9		
		10	15	14	
		S. 14d, R. 18 E			
		22	23	6	24
					25 4
					36 3

Trial Extensions of Tr. 45. R. 14 E.
 " " 95. R. 18 E.
 " " 105. R. 18 E.
 " " 115. R. 18 E.
 " " Trs. 125. R. 18 & 19 E.
 " " Tr. 135. R. 19 E.

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Traverse Line T, 4 S; R 14⁵⁸ E,
 Bet. T 4 S, R 14+15 E 1-5
 Bet. - T 4 S; R, 14+13 E 15
 " - " 9+10 " , " 18 " 18
 " - " 10 " , " 18+19 " 23
 " - " 11 " , " 18+19 " 26
 " - " 11+12 " , " 18 " 33
 " - " 11+12 " , " 19 " 38
 " - " 12 " , " 18+19 " 40
 " - " 12+13 " , " 18 " 46
 " - " 12+13 " , " 19 " 50
 " - " 12 " , " 19+20 " 55
 " - " 13 " , " 19+20 " 56
 " - " 13+14 " , " 19 " 61

1A

BOOK 1474

Preliminary Oaths of Assistants.

We, George McNeal
 and J. P. Postiz
 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.

Geo Mc Neal
J P Postiz

Sworn to and subscribed before me, this 28th
 day of October, 1879

John L. Harris
 U.S. Dep. Surveyor

We, Frank Carpenter and
Jose M. Mariscal

do solemnly swear that we will well and truly per-
form the duties of Assessor and
Magistrate respectively
according to instructions given us, and to the best
of our skill and ability.

Frank Carpenter
Jose M. Mariscal

Sworn to and subscribed before me this 28th
day of October, 1879.

John L. Harris
U.S. Dep. Survey

Between Tps. 4 S. Rps. 14^e & 15 E,
Gila & Salt River Meridian

Tps. Going to the corner to Tps. 4 and
5 S. Rps. 14^e & 15 E, as the first
point designated in my
contract of August 19, 1879 -
I found the "irrigable agri-
cultural land" extending
thence north and west
along the upper Gila river
was a strip running north-
westerly along the river
and shut in by broken
and impracticable moun-
tains and all embraced
in Township 4 S. R. 14 E,
the river running into a
box cañon immediately af-
ter leaving said Township.

On account of the wholly
impracticable ground
hemming in the valley

Between Tps. 4 S. Rps. 14 & 15 E.
Pala & Salt River Meridian

No. I cannot run complete ex-
tensions of Tps. 4 S. R. 14 E.
The S. boundary was run
in previous surveys. The ex-
tension of the N. boundary
from the S. is wholly im-
practicable. The E. bound-
ary is practicable but
a short distance. I shall
have to run as far as pos-
sible and then traverse.

I find the corner to Tps.
4 and 5 S. ^{Rps. 14 & 15 E.} standing as
established, - a granite
stone with mound of stones
and two Palo Verde bearing
trees, one N.E. and the other
S.W.

From this cor. I run

Between Tps. 4 S. R. 14 & 15 E
 Pla & Salt River Meridian

November 1, 1879.

P. North between secs. 31 & 36

var. 14° 49' E

As per Buets Solar Compass

3.00 Dry wash, 25 lbs wide, br. 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 instruc-
 tions for 14 sec. cor.

No trees near.

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 instruc-
 tions for cor. to secs. 25, 30,

31 and 36. No trees near.

Land rough broken ridges

Soil poor. Grass. No timber.

Between Tps. 4 S. Rgs. 14 & 15 E.
Tila & Salt River Meridian

Sec. North between secs. 25 & 30.
was 14° 49' East

4000 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 instructions for 74 sec. cor.
from which

a Palo Verde Guindia, br. East, 14 leads
North trees near.

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. 19, 24, 25 and 30.
No trees near.

Land rough broken & precipitous.
Soil poor. No timber.

Traverse Line in Tps. 4 S. R. 14 E.
Tla & Salt River Meridian

Ths. In less than half a mile N. of
cor. to secs. 19. 24. 25 & 30, the line
between Tps. 4 S. Rps. 14 & 15 E.,
becomes impracticable. And, as be-
fore remained, the extension of the
N. boundary of Tps. 4 S. R. 14 E.,
being impracticable from the
S., I am compelled to run
as follows from the aforesaid
cor. to secs. 19. 24. 25 and 30,
West, on true line bet. secs. 24 & 25.

var. $14^{\circ}49'$ East

As per Burt's Solar Compass

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 in-
structions for 74 sec. cor.

No trees near.

8000 Set a post, marked and

Traverse Line in Sp. H.S.R. 14 E

Plat^e Salt River Meridian

Chs. 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
23, 24, 25 and 26.

No trees near.

Land brown and poor.

Grass. No timber.

North between Secs 23^e & 24^e,
var. 14th 9' East

4000 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 1/4 sec.
cor. No trees near.

8000 Set a post, marked and
notched, 4 ft long, 3 in sq'd

Traverse Line in T. 4 S. R. 14 E
 Tila & Salt River Meridian

7000 ft in the ground, and build mound
 of stones 2 ft high, as per in-
 structions for ~~the~~ cor. to sec.
 13. 14. 23 and 24.

No trees near.

Land broken and mountainous,
 Soil poor. No timber.

West true line bet sec. 14 & 23
 var. 124° 49' East

4000 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 in-
 structions for 14 sec. cor.
 No trees near.

8000 Set a post, marked E notched,
 4 ft long, 3 in. sq. d. 1 ft in the ground
 and build mound of stones

Traverse Line in Tr. H.S.R. 14E
Gla & Salt River Meridian

No. 2 ft high, as per instructions
for cor. to Secs. 14, 15, 22 & 23.
No trees near.
Land very rough and broken.
Soil poor. No timber.

Nest on true line bet. Secs. 15 & 22
var. 14⁰49' East

4000 Set apart, marked 74 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 74 sec.
cor. No trees near.

8000 Set apart, marked & notched, 4 ft long
3 in. sq. 1 ft in the ground, & build mound
of stones 2 ft high, as per instructions for cor.
to Secs. 15, 16, 21 & 22. No trees near.

Land broken ridges. Soil poor. Grass. No timber.

Traverse Line in Twp. 4 S. R. 14 E
Tla & Salt River Meridian

Co. North, between secs. 15 & 16
var. $14^{\circ}49'$ East

4000 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 7/4 sec. cor.

No trees near.

8000 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 instructions for cor. to
Secs. 9, 10, 15 and 16.

No trees near.

Land rough, broken and
mountainous.

Soil poor. No timber

November 1, 1879.

Barren Linn. Sp. 4 S. R. 14 E.
 1/4th Salt River Meridian

Co. West true line bet sec. 9 & 16.
 var. 14° 49' East

4000 Set apart, 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. No trees near.

8000 Set apart, marked and
 notched, 4 ft long, 3 in wide,
 1 ft in the ground, and
 build mound of stones
 2 ft high, as per instruc-
 tions for cor. to sec. 8.

9, 16, and 17.

No trees near.
 Land broken and rough.
 Soil poor. Grass.
 No timber.

Traverse Line in Tps. 4 S. R. 14 E.
 Ma & Salt River Meridian

Sec. North between secs. 8 & 9
 var. $14^{\circ}49'$ East

4000 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 in-
 structions for 14 sec. cor.

No trees near.

53.90 Road from Florence to Globe City
 br. N.E. and S.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 secs. 4, 5, 8 and 9
 Land rough and broken.
 Soil poor. No timber.

Traverse Line in Tr. 4 S. R. 14 E.
Tla & Salt River Meridian

Sec. West contour line bet sec. 5 & 8.

Var. 14749' East

4000 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. No trees near.

8000 Set a post, marked and
notched, 4 ft long, 3 in. dia,
1 ft in the ground and build
mound of stones 2 ft high,
as per instructions for cor. to
secs. 5, 6, 7 and 8.

No trees near.

Land broken Soil poor.

No timber.

Transverse Line in Twp. 4 S. R. 14 E
Gla & Salt River Meridian

600 - North on true line bet. sec. 5 & 6,
var. 14° 49' E.

4000 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
instructions for 74 sec. cor.
No trees near.

8000 Set a post, marked E 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.
5, 6, 31 & 32, on the line between
Twp. 3 & 4 S. Range 14 E.
No trees near.

Land high precipitous ridges
Soil poor. Scattering Palo
Verde trees and brush.

Between Tps. 3 & 4 S. Range 14 East
Pala & Salt River Meridian

Re. From the cor. to secs. 5, 6, 31 & 32, as just
established, (the line eastward being
wholly impracticable,) Run
West, on true line bet. secs 6 & 31
var. $114^{\circ}47'$ East

As per Beut Solar Compass

4000 Set a post, marked 14 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 14 sec. cor. No trees near.

And allowing for convergency, at

79.07 Set a post, marked E. & notched, $4\frac{1}{2}$ ft long
4 in. sq. d. 1 ft in the ground, drive charred
stake & build mound of earth $2\frac{1}{2}$ ft
high, with pits 1 ft deep, 2 ft long, $1\frac{1}{2}$
ft wide, as per instructions for cor. to
Tps. 3 & 4 S. Rgs. 13 & 14 E. No trees near.
Land high ridge. Soil poor. Grass. A few
Palo Verde trees.

Between Tps. 4 S. Rps. 13 & 14 E.
Gila & Salt River Meridian

Ths. From the cor. to Tps. 3 & 4 S. Rps. 13 & 14 E., from
South, on true line between 1 & 6.

var. $14^{\circ} 44'$ East

As per Burt's Solar Compass

46.00 Set a post, marked $1/4$ S. 4 ft. long, flat-
tined 3 in. wide, 1 ft. in the ground, and
build mound of stones of height as per
instructions for $1/4$ sec. cor. No trees near.

75.00 Descend to bottom land br. E & W.

76.50 Gila river 79 hrs wide, flows N.,
and chain across.

80.00 Fall on ground subject to overflow.

At 80 hrs. S., set a post, marked and
notched, 4 ft. long, 3 in. sq. d. 1 ft. in the
ground, drive chaired stake and build
mound of earth of height as per instructions
for cor. to Sec. 1, 6, 7 and 12, from which
a Cottonwood, 23 in. dia. br. S. $7^{\circ} 27'$ N. 17 hrs. dist
do. " 18 " " " N. 54° E. 468 " "

No other trees near.

Land rolling & broken than rich bottom.

Scattering Cottonwood trees along river.

Between Tps. 4 S. Rps. 13 & 14 E
 Tla & Salt River Meridian

Tps. South, between sec. 7 & 12
 var. 14th 44' East

3.75 Road to Florence Co. E & 10
 5.50 Leave valley and ascend mountain
 bearing N. and E. and S.E.

40.00 On top of ridge of low mountain.
 Set a post, marked 14 S. 4 ft. long.
 flattened 3 in. wide. 1 ft. in the ground
 and build around a stone 2 ft.
 high, as per instructions for 14 sec.
 cor. No trees near.

I cannot run any further S. The
 ground is a chain of broken and
 precipitous mountains bearing N.
 of N. extending along the whole
 N. boundary of Tps. 4 S. R. 14 E,
 and impracticable.

On the half mile run, the land
 is rich valley then mountains.
 A few Cottonwood on N. End. Nov. 3, 1879.

Fluvial Description

All the land that can be surveyed from the first designated point in my contract is a strip wholly embraced in T₁p. 4 S. R. 14 E., and subdivision lines closing on the foregoing exterior and traverse lines, (and which I shall shortly run) will cover such land. Southeast of T₁p. 4 S. R. 14 E., the land has already been surveyed. To the Northwest the river runs into a box cañon immediately after leaving T₁p. 4 S. R. 14 E., and there is no valley whatever.

Geo. L. Harris
U.S. Dep. Surveyor

Between Tps. 9 & 10 S. Range 18 E.
Gla & Salt River Meridian

Chs. I now go to the cor. to Tps. 9 and
10 S. Rgs. 17 and 18 E., as a
second point designated in
my contract of Aug. 19, 1879.
I find this cor. standing as es-
tablished -

A Post with mound of earth and
pile, with no trees near.

And from this cor. I run

East on true line bet. sec. 6 & 31

var. $111^{\circ} 25'$ East

As per Buets Solar Compass

39.54 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 custom -
tion for $\frac{1}{4}$ sec. cor. No trees near.

51.00 Descend into the valley of the
San Pedro river br. N.W. and S.E.

62.25 San Pedro river 50 lbs. wide flow

Between Tps. 9 & 10 S. Range 18 E
Gila & Salt River Meridian

Ch. N.W.

- 79.00 Enter cultivated ground br. NW & SE.
79.54 Set a post, marked and notched,
4 ft long, 3 in. sqd. 1 ft in the ground,
drill chared stake and build
around a peach 2 ft high, with
pit 1 ft deep, 2 ft long, 1 ft wide,
as per instructions for cor. to sec.
5 & 6. 31 and 32. No trees near.
Land rolling and broken hills
then level bottom. Some 1st rate
soil. A few palo verde and
some mesquite trees.

East on true line bet sec. 5 & 32
var. 14° 25' East

- 10.74 Acquia br. N.W. & S.E., and leave
cultivated ground br. NW.
19.56 Sayo Pedro Road br. NW & SE.
27.36 Webster's House br. S., 4.94 chs. dist.

Between Tps. 9 & 10 S. Range 18 E
 Gila & Salt River Meridian

Chs. Continued

- 26.00 Leave bottom br. NW + SE and
 run on low mesa ground.
- 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 ft deep, 2 ft long, 1 ft
 wide, as per instructions for $\frac{1}{4}$
 sec. cor. from which
 a Mesquite, 10 in. dia. br. N. $12\frac{3}{4}$ E. 249 ft. dia.
 No other trees near.
- 60.00 Ascend on high rolling ground
 br NW + SE.
- 80.00 Set a post, marked & notched, 4 ft long,
 3 in. sq. 1 ft in the ground, and build
 mound of stones 2 ft high, as per instruc-
 tions for cor. to secs. 4. 5. 32 & 33.
 No trees near. Land level & strata
 then rolling and poor. A few Mesquite

Between Tps. 9^{&10} S. Range 18 E
 Tla[&] Salt River Meridian

4000 E. to true line bet. secs. 4[&] 33.

var. 14° 25' East.

4000 Set a post, marked 14 S. 4 ft long, flat-topped 3 in. wide, 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 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 and build mound of stones 2 ft high, as per instructions for cor. to secs. No trees near.

Land broken. Soil poor. Grass. Scattering Pale Verde and Mesquite trees.

The further course of this line to the E. is over broken and impracticable ground, worthless and unurveyable. I do not run any further E. November 10, 1879

General Description

The E. E. N. boundaries of Twp. 9 S. Range 18 E., are impracticable and the ground worthless and unsurveyable. Only a small part of the S.W. portion of this Township should be subdivided and that can be done with the foregoing part of the S. boundary as a base, and closing on the W. boundary, run in former surveys.

Jos. L. Harris
U.S. Dep. Surveyor.

Between Tps. 10 S. Rps. 18 & 19 E.
W. & Salt River Meridian

No. I find the standard cor. to Tps. 10
S. Rps. 18 & 19 E. as originally
established, - a granite stone
with mound of earth and pits.
I clean out the pits and renew
the mound, - and run thence
North, between Secs. 31 & 36,
var. $14^{\circ} 17' E.$

As per Burt's Solar Compass
No. 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. No trees near.

8000 Set a post, marked 'Enotched 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. 25. 30. 31 & 36. from which
a mesquite 5 in. dia. br. S. $40^{\circ} E.$ 93 hrs. dist.
No other trees near.
Land rolling and barren. Soil poor.
Grass, a few mesquite.

Between Tps. 10 S. Rps. 18 & 19 E
 Gila & Salt River Meridian

No. North. between secs. 25 & 30.
 corr. $14^{\circ}17' E$.

4000 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.

No trees near.

8000 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. 19,
 24, 25 and 30.

No trees near.

Land rolling and broken
 Soil poor. Grass
 No timber.

Between Tps. 10 S. R. 18 E. 19 E.
 Tola & Salt River Meridian

Tps. North, between sec. 19 E. 24
 var. 14° 17' E

4000 Sitapost, 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 14 sec.
 cor. No trees near.

In a short distance N. the
 line intersects impassable
 canyons making from the moun-
 tains ~~to~~ ^{on} the E. to the N and
 S. of W and breaking up
 the entire N. E. portion of
 T. 10 S. R. 18 E.

The land is worthless and
 unsurveyable.

I cannot run further N.
 Land on half mile broken. Soil poor.
 No timber. November 12. 1879.

Between Tps. 11 S. Rgs. 18 & 19 E
 Tla & Salt River Meridian

13.50
 Returning to the Standard cor. to Tps.
 10 S. Rgs. 18 & 19 E, as pre-
 viously described, I make
 my calculation for conver-
 gency at this point and
 run thence

West on 2^d Standard Parallel S.

var. $14^{\circ} 17'$ East

As per Buets Solar Compass

(Which calculation is made from
 the Santa Cruz guide meridian
 between ranges 12 & 13.) At
 which point I set a post, marked &
 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 closing cor. to Tps. 11 S. Rgs.
 18 & 19 E. No trees near
 And from this cor. I run

Between Tps. 11 S. Rps. 18 E & 19 E.
T14th & Salt River Meridian

No. South, on line bet. sec. 1 & 6.

Var. 140° 20' East

As per Burt's Solar Compass

4000 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 T4 sec. cor.

No trees near.

55.00 Descend into cañon bet. S. of 6 & 7

74.00 Leave cañon bet. S. of 6 & 7

8000 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 sec. 1, 6, 7 and 12.

No trees near.

Land broken. Soil poor. No timber.

Between Tps. 11 S. Rps. 18th & 19th E.
 1/4th Salt River Meridian

Go South between sec. 7 & 12
 var. 14° 20' East

4000 Set a post, marked 44 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 1/4 sec. cor.
 No trees near.

7000 Descend into cañon br. S. of W
 8000 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 in-
 structions for cor. to Sec.

7. 12. 13 and 18. No trees near.
 Land broken. Soil poor.

Grass. Scattering Pale Verde Grass

November 17. 1879.

Between Tps. 11 S. Rps. 18 & 19 E.
 1/4 Sec. Salt River Meridian

To South, between secs. 13 & 18.

var. 114° 20' East

5.00 Leave cañon to S. of W.

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

80.00 Set a post, marked and notched, 4 ft. long, 3 in. sq. 1 ft. in the ground, and build mound of stone 2 ft. high as per instructions for cor. to secs. 13, 18, 19 and 22.

No trees near.

Land rough broken ridges
 Soil poor. Grass. A few
 Palo verde trees.

Between Tps. 11 S. Rgs. 18 & 19 E
 T14 & Salt River Meridian

Rs. South between secs. 19 & 24
 Var. $14^{\circ}20'$ East

10.00 Dry wash in deep gulch 30 ft. wide
 Co. N. H.

4000 Set a post, marked T4 S. 4
 ft. long, flattened 3 in. wide,
 1 ft. in the ground and build
 mounds of stones 2 ft. high, as
 per instructions for T4 sec. cor.
 No trees near.

8000 Set a post, marked and
 notched, 4 ft. long, 3 in. sq.,
 1 ft. in the ground, and build
 mounds of stones 2 ft. high,
 as per instructions for cor. to
 secs. 19, 24, 25 and 30.
 No trees near.

Land broken. Soil poor.

Grass. Scattering Pale Vegetation

Between Tps. 11 S. Rps. 18 & 19 E
 Tla & Salt River Meridian

Ch. South between secs. 25 & 30.

var. 14° 20' East

4000 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
 pits 1 ft. deep, 2 ft. long, 1 ft. wide,
 as per instructions for 1/4 sec. cor.
 No trees near.

8000 Set a post, marked 'E 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. 25-30, 31 & 36. No trees near.
 Land rolling. Some good soil
 Grass. No timber.

Between Tps. 11 S. Rps. 18 & 19 E
Gila & Salt River Meridian

Chs. Smith between secs. 31 & 36.
var. $14^{\circ} 20'$ East

- 25.00 Descend into cañon to S. W.
- 28.00 Leave same to S. W.
- 36.00 Enter branch same cañon to S. W.
- 40.00 Set apart, marked $\frac{1}{4}$ 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 $\frac{1}{4}$ sec. cor.
No trees near.
- 42.00 Leave branch cañon to S. W.
- 65.00 Enter another branch same cañon to W.
- 80.00 Set apart, marked & notched, $4\frac{1}{2}$ ft.
long. 4 in. sq. 1 ft. in the ground drive
chained stake & build mound of earth
 $2\frac{1}{2}$ ft high, with pits 1 ft. deep, 2 ft long,
 $1\frac{1}{2}$ ft wide, as per instructions for cor.
to Tps. 11 & 12 S. Rps. 18 & 19 E. No trees near.
Sand broken. Some good soil. No timber.

Between Tps. 11 & 12 S. R. 18 E.

Gila & Salt River Meridian

No. From the cor. to Tps. 11 & 12 S. R. 18 & 19 E. Sec. 1 & 36.
West on true line bet. secs. 1 & 36.
var. $14^{\circ}14'$ East

As per Burt's Solar Compass

2.52 Leave cañon br. N. W.

30.00 Enter same cañon br. S. of W.

40.00 Set a post, marked '40'. 4 ft. long, flat-topped 3 in. wide, 1 ft. in the ground and build mound of stones 2 ft. high as per instructions for 4 sec. cor. No trees near.

45.00 Leave cañon br. N. of W.

50.00 Enter the cañon again br. S. of W.

80.00 Set a post, marked 'E' notched, 4 ft. long, 3 in. sq. 1 ft. in the ground, and build mound of stones 2 ft. high, as per instruction for cor. to secs. 1, 2, 35 and 36.

No trees near.

Soil broken. Some good soil.
Scattering Mesquite trees.

Between Tps. 11 & 12 S. R. 18 E
 1/4 & Salt River Meridian

No. West of true line between T & B 5.

var. 14° 74' East

4000 Set apart, marked 1/4 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 1/4 sec. cor.

No trees near.

8000 Set apart, marked & notched, 4 ft long,
 3 in. sq. d. 1 ft. in the ground, drive channel
 stake & 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. 2, 3, 34 & 35, from which
 a Walnut tree, 12 in. dia. br. S. 71° 2' E. 153 lbs. dit.

No other trees near.

And enter San Pedro valley br. NW
 & S.E. Land level. Some set
 rate Soil. Scattering Mesquite trees.

Between Tps. 11 & 12 S. R. 18 E
 T1a & Salt River Meridian

Chs. West on true line bet. secs. 3 & 34
 var. 1474' East

6.25 San Pedro road br. N. W.

36.91 Branch road to Redfield's br. S. 4.

39.10 L. Redfield's Stable br. S. 4.71 Chs. dist.

40.00 Set apart, marked 74 S. 4 ft long, flattened 3 in.
 wide, 1 ft in the ground, drive charred stake &
 build mound beneath 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 Walnut tree, 5 in. dia. br. N. 78 1/2° W, 148' dia. dist.
 No other tree near.

L. Redfield's House br. S. 4. 66 chs. dist.

Small corral br. S. 3.00 chs. dist. - a line
 running S. would cut the W. side of this
 small corral.

50.15 San Pedro river 50 hrs. wide, flows N.

80.00 Set apart, marked and notched,
 4 ft long, 3 in. sq. 1 ft in the ground
 drive charred stake & build mound

Between Tps. 11 & 12 S. R. 18 E
T14 & Salt River Meridian

No. of earth 2 ft high with pits 1 ft. deep 2 ft
long, 1 ft wide, as per instructions for cor. to
Secs. 3, 4, 33 and 34, from which
A Mesquite, 12 in. dia. br. N. 81° W. 65 lbs. dist.
A Walnut, 18 " " " S. 53° W. 650 " "
No other trees near.

Land level. Soil 1st Rate. Scattering Mes-
quite & Cottonwood trees. Fine Grass

West on true line bet sec. 4 & 33

Var. 14° 14' East

12.00 Leave valley, ascend high rolling
hills to NE. and S.

40.00 Set a granite stone 20 x 12 x 10 in
3/4 in the ground, marked 74,
and on the W. build mound
of stones 2 ft high, as per in-
structions for 74 sec. cor.
No trees near.

Between Tps. 11 & 12 S. R. 18 E
Gla & Salt River Meridian

No. I cannot run any further
W. on this line. The ground
is broken hills intersected
by deep cañons with pre-
cipitous rock wall and
impracticable.

The land is worthless
and unurveyable.

On the half mile run
the land is Level and
1st Rate; then broken hilly
and poor. Grass. A few
mesquite & pale verde trees.

November 18. 1879.

The W. boundary of Tps. 11 S. R. 18 E
is over wholly impracticable ground
and cannot be run.

Between Tps. 11 & 12 S. R. 19 E
 Gila & Salt River Meridian

Ths. From the cor. to Tps. 11 & 12 S. Rps. 18 & 19 E. Run
 East on true line bet. sec. 6 & 31.
 var. $14^{\circ}16'$ E

Use Buys Solar Compass
 In cañon br. N. of E.

20.00 Leave cañon br. N. of E.

And allowing for convergence at
 38.20 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. No trees near.

47.00 Enter cañon br. S. of E.

78.20 Set a post, marked & 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.
 5. 6. 31 & 32. No trees near.
 Land broken. Soil poor. No timber.

Between Tps. 11 & 12 S. R. 19 E
Gila & Salt River Meridian

No. East on true line bet. secs. 5 & 32
var. 14° 16' East

- 10.00 Leave cañon br. N. of E.
26.00 Enter same cañon br. S. of E.
35.00 Leave same cañon br. N.E.
40.00 Sit a post, marked 1/4 S. 4 ft. long,
flattened 3 in. wide, 1 ft. in the ground,
dewi charred stone 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. No trees near.
80.00 Sit a post, marked Ennotched, 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.
4, 5, 32 & 33. No trees near.
Land brown. Soil poor. No timber.

I cannot run any further E. The land is
brown & precipitous. The soil is worthless.

November 22, 1879.

Between Tps. 12 S. Rgs. 18 & 19 E
Tla & Salt River Meridian

Ans. From the cor. to Tps. 11 & 12 S. Rgs. 18 & 19 E. Run
South on true line bet. sec. 1 & 6.
var. $14^{\circ} 12' E$.

As per Burt's Solar Compass
In cañon bet. W. and S. of W.

2.25 Leave cañon bet. W.

40.00 Remote from stone & timber. Drive
chained stave & 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.

80.00 Set a post, marked & notched, 4 ft.
long, 3 in. sq. d. 1 ft in the ground, drive
chained stave & 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, 6, 7 & 12. No trees near.
Land mostly broken. Soil poor.
Grass. No timber.

Between Tps. 12 S. Rps 18 E 19 E
 1/4 E Salt River Meridian

Chs. South, between secs. 7 E 12.
 var. 14° 12' East

4000 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 instruc-
 tions for 74 sec. cor.

No trees near.

8000 Set a post, marked E notched,
 4 ft long, 3 in. sq. 1 ft in the
 ground and build mound of
 stones 2 ft high as per instruc-
 tions for cor. to secs. 7, 12, 13
 and 18. No trees near.

Land broken, soil poor.

Grass. Scattering Palo Verde
 trees.

Between Tps. 12 S. Rgs. 18 E 19 E
Plu & Salt River Meridian

Rs. South between secs. 13 & 18
var. 14° 12' East

28.95 P. Ochoa's N. house br. N. 32. 65 chs. dist.

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 mesquite 3 in. dia. br. N. 55° W. 32 lbs. dist.
No other trees near.

42.32 P. Ochoa's 2 House br. N. 26. 55 chs. dist

44.37 Juan Valdez house br. N. 27. 50 chs. dist
79.00 Enter San Pedro valley br. N. 13 E.

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 ft deep, 2 ft long, 1 ft wide,
as per instructions for cor. to Secs. 13. 18.

19 & W. from which
a mesquite, 12 in. dia. br. N. 4° E. 94 lbs. dist.
No other trees near.

Land mostly level mesa bordering the
valley on the E. Some good soil.
Scattering mesquite trees.

Between Tps. 12 S. Rps. 18 & 19 E
Tla & Salt River Meridian

Rs. South, between secs. 19 & 24
var. $14^{\circ} 12'$ East

- 0.50 San Pedro Road br. NW and S.E.
1.90 Acequia br. N.W. and center cultivated ground.
4.96 San Pedro river br. N.W. 35 lbs. wide.
26.20 Gonzalez House br. E. 12.04 lbs. dist
27.00 Leave cultivated ground br. E. old
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. from which
a Mesquite, 4 in. dia. br. N. 58° W. 37 lbs. dist
do. 3 " " " S. 55° E. 41 " "

- And leave valley br. E. and N. of all
80.00 Set a post, marked and notched, 4 ft long
3 in. sq. d. 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 cor. to Secs. 19, 24, 25 & 30.
No trees near.
Land valley and broken hills. Soil 1st
Rate and poor. Scattering mesquite trees.

Between Tps. 12 S. Rps. 18 & 19 E
Tla & Salt River Meridian

R. South, between secs 25 & 30

var. $114^{\circ}12'$ East

4000 Set a post, marked $1/4$ S. 4 ft long,
flattened 3 in. wide, 1 ft in the ground
drive chared 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 $1/4$ sec. cor. No trees near.

8000 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 and 36.

No trees near.

Land rolling & broken.

Soil poor. No timber.

Between Tps. 12 S. Rgs. 18 & 19 E
 Tla & Salt River Meridian

Tr. South, between sec. 31 & 36
 var. 14° 12' East

39.00 Enter canon br. N.E. and W. of S.

40.00 Set a post, marked 14 S. 4 ft long, flat
 tined 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
 these cor. No trees near.

50.00 Set a post, marked E. notched, 4 ft
 ft long, 4 in. sq. 1 ft in the ground
 drive charred stake & build mound of
 earth 2 ft high, with pits 1 ft deep,
 2 ft long, 1 1/2 ft wide, as per
 instructions for cor. to Tps. 12
 and 13 S. Rgs. 18 & 19 E.
 No trees near.

Land broken. Some good soil.
 Scattering mesquite trees.

Between Tps. 12 & 13 S. Range 18 E
 1/4 E Salt River Meridian

Trs. From the cor. to Tps. 12 & 13 S. Rgs. 18 & 19 E. Sec. 1
 West on true line between 1 & 36.

Var. $14^{\circ}08'$ East

As per Buick's Solar Compass

In cañon bet. E. of N. and S. W.

9.00 Leave cañon bet. E. of N.

140.00 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 in-
 structions for 14 sec. cor. No trees near.

80.00 Set a post, marked E. notched, 4 ft long,
 3 in. sq. d. 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 cor. to Secs. 1, 2, 35
 and 36. No trees near.

Land rolling. Some good soil.
 Grass. No timber.

Between Tps. 12 & 13 S. Range 18 E
 6th & Salt River Meridian

See West on line bet. sees. 2 & 35.
 var. 14° 08' East

4000 Set a post, marked 44 S 44 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 4 sec.
 cor. No trees near.

8000 Set a post, marked 44 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 instructions for
 cor. to sees. 2, 3, 34 and 35.
 No trees near.

Land rolling. Soil poor.
 Grass. Some mesquite trees.

Between Tps. 12 & 13 S. Range 18 E.
 N. E. Salt River Meridian

Ch. West entrance line bet. sec. 3 & 34

7 av. 124° 08' East.

4000 Set a post, marked $\frac{1}{4}$ S. $\frac{1}{4}$ E. long, flat-
 topped 3 in wide, 1 ft. in the ground. Saw
 charred stave and build mound of
 earth 4 ft high, with pits 4 ft deep, 2 ft long,
 1 ft wide, as per instructions for $\frac{1}{4}$ sec.
 cor. No trees near.

60.00 Enter canon br. S. of E.

80.00 In canon. Set a granite stone,
 20 x 11 x 10 in. $\frac{3}{4}$ in the ground,
 notched E. and W. and on the
 W. build mound of stones 2 ft
 high, as per instructions for
 cor. to sec. 3. 4. 33 & 34. No trees near.

Land broken. Soil poor. Scattering
 Mesquite trees.

In a short distance N. of this
 cor. the line becomes im-
 practicable, broken by deep

Continued

precipitous cañons, and the soil is worthless and unsurveyable.

I cannot run any further
W. November 24. 1879.

The W. boundary of Tp. 12
S. Range 18 E. is wholly
impracticable, and nearly
the whole of the W. 1/2 of
Tp. 12 S. Range 18 E. is
unsurveyable land.

Between Tps. 12 & 13 S. R. 19 E
Tila & Salt River Meridian

From the cor. to Tps. 12 & 13 S. R. 18 & 19 E, Run
East on true line bet sec. 6 & 31.

var. $14^{\circ}10'$ East

As per Bu. to Solar Compass

In canon cr. E. of N.

1.50 Leave canon cr. E. of N.

And allowing for convergency, - at

38.65 Set a post, marked $4\frac{1}{2}$ ft long flattened 3 in. wide,
1 ft in the ground, and built mound of stones 2 ft high
as per instructions for 14 sec. cor. No trees near.

76.00 Enter head of little canon cr. N.

78.65 Set a post, marked & notched, 4 ft long, 3 in. sq. d.,
1 ft in the ground, and built mound of stones 2 ft
high, as per instructions for cor. to secs. 5, 6, 31 & 32.
No trees near. Land rough, precipitous and
cross. Soil poor. No timber.

East on true line bet sec. 5 & 30.

var. $14^{\circ}10'$ East

2.00 Leave canon cr. N, and ascend

Between Tps. 12 & 13 S. R. 19 E

Tila & Salt River Meridian

- Ths. on broken ridges br. N. and S.
- 38.00 Enter San Pedro valley br. NW. & S.E.
- 40.00 Set a post, marked "4" 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. corner from which
a magnetic 8 in. dia. br. N. 80° E. 52 brs. dist.
No other trees near.
- 56.50 Fence br. N.E. and S.W.
- 69.60 San Pedro river, 40 yds wide, flows N.W.
- 79.30 Serriale's House br. S., 3.34 chs. dist.
- 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 cor. to secs. 4, 5, 32 & 33. No trees near.
Land broken & poor. then level @ 1st Rate.
Scattering Mesquite trees.
-
- Est. on true line bet secs. 4 & 33.
var. 14° 10' East
- 5.00 Leave valley and rise on rolling mesa

Between Tps. 12 & 13 S. R. 19 E
Tula & Salt River Meridian

- 9.84
40.00
8000
- brs. N.W. and S.E.
San Pedro road brs. W. of N.
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 Mesquite, 5 in. dia. brs. S. 75° W. 38 krs. dist.
No other trees near.
- Set a post, marked & notched, 4 ft long, 3 in. dia. 1 ft
in the ground, and build mound of stones
2 ft high, as per instructions for cor. to Secs.
3. 4. 33 & 34. No trees near.
Land rolling. Some good soil. Grass. A few
Mesquite trees.

East on true line bet. secs. 3 & 34.

var. 14° 10' East.

- 4000
8000
- 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. No trees near.
- Set a post, marked & notched, 4 ft long,

Between Tps. 12 & 13 S. R. 19 E
Tla & Salt River Meridian

No. 3 in. sq. 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. No trees near.
Land rolling. Some good soil. Grass
Scattering Palo Verde & mesquite trees.

East on true line bet sec. 2 & 35

var. $14^{\circ} 10'$ East

40.00 Set apart, marked $1\frac{1}{4}$ in. 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 instruc-
tions for $1\frac{1}{4}$ sec. cor. No trees near.

80.00 Set apart, marked & isolated, 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. 1, 2, 35 & 36. No trees near.
Land rolling. Soil poor. Grass.
Scattering Palo verde trees.

Between Tps. 12 & 13 S. Range 19 E.
6th & Salt River Meridian

Rs. East on line between 1 & 36.
var. 14° 10' East.

4000 Set a post, marked 1/4 S. 4 1/2 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. No trees near.

8000 Set a post, marked and notched
4 1/2 ft long. 4 in. sq. 1 ft in the ground,
and build mound of stones 2 1/2 ft
high, as per instructions for cor. to
Tps. 12 & 13 S. Rps. 19 & 20 E.

No trees near.

Land rolling ^{hills} Soil poor. Grass. Scattered
Palo Verde & Mesquite trees.

From the cor. to Tps. 12 & 13 S. Rps
19 & 20 E. Drive —

Between Tps. 12 S. Rps. 19 & 20 E.
Plata Salt River Meridian

No. North between sec. 31 & 36.

var. $14^{\circ} 06'$

As per Buets Solar Compass.

4000 Set a post, marked 441. 4 ft long, flattened 3 in wide,
1 ft in the ground, & build mound of stones 1 ft high,
as per instructions for 1/4 sec. cor. No trees near.

8000 Set a post, marked E & notched 4 ft long, 3 in sqd,
1 ft in the ground, and build mound of stones 1 ft
high, as per instructions for cor. to sec. 25-30.
31 & 36. No trees near.

Land broken and precipitous. Soil poor.
Grass. Scattering Mesquite & Palo Verde.

In less than half a mile N. this line
becomes impracticable. The land is broken
by great canyons making from the mountains
to the E. The soil is worthless and
unsurveyable. I cannot run
further on this line.

November 29, 1879.

Between Tps. 13 S. Rgs. 19 & 20 E.
Gila & Salt River Meridian

No. From the cor. to Tps. 12 & 13 S. Rgs. 19 & 20 E. Section
South, on true line bet. secs. 1 & 6.
var. $14^{\circ}05'$ East

As per Buets Solar Compass.
4000 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. No trees near.

8000 Set a post, marked E. 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. 1, 6, 7 & 12. No trees near.
Land hilly & broken. Soil poor. Grass.
Scattering Pale Verde & Mesquite trees.

South, on true line bet. secs. 7 & 12.

var. $14^{\circ}05'$ East

4000 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-

Peterson Tr. 13^s. Rys. 19^e 20^e E

Plata & Salt River Mercedensis

- No structures for 14 sec. cor. No trees near.
 42.00 Descend into cañon b/s. S. of C.O.
 71.40 Leave same b/s. S. of C.O.
 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 in-
 structions for cor. to secs. 7, 12, 13 & 18.
 No trees near. Land broken. Soil poor.
 Grass. Scattering Palo Verde and
 Mesquite trees.

North-south line bet. secs. 13 & 18.

var. 14° 15' East

- 42.00 Set a post, marked 4 ft, 4 ft long, flattened 3 in. wide, 1 ft
 in the ground, & build mound of stones 2 ft high
 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, above charred stake & build
 mound of earth 2 ft high, each pt. 1 ft deep, 2 ft long,
 1 ft wide, as per instructions for cor. to secs. 13, 18, 19 & 24.
 Land broken. Soil poor. Grass. No timber.

Between Tps. 13 S. Rgs. 19 & 20 E
Tola & Salt River Meridian

Ch. South true line bet sec. 19 & 24,
var. 14° 05' East.

4000 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 in-
structions for 1/4 sec. cor. No trees near.

8000 Set a post, marked & notched, 4 ft long, 3 in.
dia. 1 ft in the ground, and build mound of
stones 2 ft high, as per instructions for an-
tisecs. 19, 24, 25 & 30. No trees near.

Sand rolling. Soil poor. Scattering Palo
Verde & Mesquite trees.

South true line bet sec. 25 & 30.
var. 14° 05' East.

10.00 Enter flat cañon br. W. & N. of C.D.

29.00 Leave same br. W. & N. of C.D.

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
1/4 sec. cor. from which

Between Tps. 13 S. Rps. 19 & 20 E
Gila & Salt River Meridian

- A Cedar, 12 in. dia. brs. N. 1° W. 35 lbs. dist.
No. No other trees near.
- 84.00 Set a post, marked Engraved, 4 ft long, 3 in. dia.
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 cor. to
secs. 25, 30, 31 & 36, from which
a Mesquite, 4 in. dia. brs. N. 6° E. 108 lbs. dist.
No. 8 " " " S. 88½° W. 147 " "
No other trees near.
Land ralling, some good soil, Grass.
Scattering Mesquite trees.

South on true line bet secs. 31 & 36.
var. 14° 05' East

- 5.00 Enter San Pedro valley brs. N. W. & S. E.
16.52 San Pedro Road brs. N. W. & S. E.
21.33 Branch of same brs. N. W. & S. E.
39.64 Acquia brs. N. W.
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 1/4 sec. cor. No trees near.
41.42 San Pedro river 45 lbs. wide, flow N. W.

Between Tps. 13 N. Rgs. 19 & 20 E
Gila & Salt River Meridian

No. Continued-

- 48.00 Leave valley br. N. of W., and encounter a high, brown and impassable bluff. So I return to a point 34.00 chs. S. of cor. to see 25.30. 31 & 36, on this line, and set flag on line S. on top of bluff. I then measure off a base 8.00 chs. E. to a point, whence flag on line br. S. $19^{\circ} 8' W.$ making distance to flag 23.06 chs, or on whole line
- 57.06 To flag on line and top of bluff br. N. of W., and going to flag I continue S.
- 80.00 Set a post marked & 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 instructions for cor. to Tps. 13 & 14 S. Rgs. 19 & 20 E. No trees near. Land rolling then valley then hilly & broken. Soil st. rate and poor. Scattering Mesquite trees. Fine Grass.

Between Tps. 13 & 14 S. Range 19 E

4th & Salt River Meridian

No. From the cor. to Tps. 13 & 14 S. Rgs. 19 & 20 E. Sec. 1

West on true line bet. sec. 1 & 36.

var. $14^{\circ} 03'$ East

As per Smith's Solar Compass

Set a post, marked $1/4$ S. 4 ft. long, flattened

3 in. wide, ft. in the ground, and build

mound of stones 2 ft high as per in-

structions for 1/4 sec. cor. No trees near.

Land broken. Soil poor. No timber.

I cannot run any further W. The

ground is wholly impracticable

the soil worthless and unrun-

nable.

The W. boundary of Tps. 13 S.

R. 19 E. cannot be run nor can

subdivision lines be extended

over the S.W. portion of the Township.

Geo. L. Harris

September 6, 1879. U.S. Deputy Surveyor

List of Names.

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BOOK 1474

A List of the Names of Individuals employed
to assist in running, measuring, or marking the
lines and corners described in the foregoing Field
Notes of the survey of

----- Exterior and Interior

----- Lines of Tps. 4 S. R. 14 E., and Ex-

----- terior Lines of Tps. 9, 10, 11 & 12

----- S. Range 18 E., and Tps. 12 & 13

----- S. Range 19 E. of the Gila &

----- Salt River Meridian Arizona

Showing the respective capacities in which they
acted.

George McNeal ----- Chainman.

Y. P. Ortega ----- Chainman.

Frank Carpenter ----- Axeman.

Jose M. Mariscal ----- Flagman.

Final Oath of Assistants.

We hereby certify that we assisted John L. Harris U. S. Deputy Surveyor, in surveying Exterior & Traverse Lines of Tps. 4, 5, 6, 7, 8, 9, 10, 11 & 12 S. Range 18 E., and Tps. 12 and 13 S. Range 19 E., of the Gila and Salt River Meridian, Arizona

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.

Geo. Mc Neal Chainman.

J. P. Ortiz Chainman,

Frank Carpenter Axeman.

Jose M. Moriscal Flagman.

Sworn to and subscribed before me, this 11th day of December, 1879

John L. Harris
U. S. Dep. Surveyor

64
Final Oath of Deputy Surveyor.

BOOK 1474

I, John L. Harris

U. S. Deputy Surveyor, do solemnly swear that in pursuance of a contract with John Wasson, United States Surveyor-General for Arizona, bearing date the 19th day of August

1879. I have well, faithfully and truly, in my own proper person, and in strict conformity with the instructions furnished by the Surveyor-General, the Surveying Manual, and the laws of the United States, surveyed all those portions of

Interior & Traverse Lines of Tps. 4 S.
Range 14 E, & Exterior Lines of Tps
9, 10, 11 & 12 S. Range 18 E, and
Tps. 12 & 13 S. Range 19 E, of the
Gila and Salt River Meridian
Arizona

as are represented in the foregoing Field Notes as having been surveyed under my directions; and I do further solemnly swear that all the corners of said 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-

tained in circular instructions from the U. S. Surveyor-General for Arizona, dated September 1, 1873, regarding the establishment of corner boundaries of public surveys, and that the foregoing are the true and original Field Notes of such surveys.

John L. Harris

Deputy Surveyor.

Sworn to and subscribed before me, this 18th day of December, 1879

John R. Faull
Notary Public



1
2
4

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BOOK 1474

U. S. Surveyor General's Office,
Tucson, Arizona, February 1, 1880

The foregoing Field Notes of the survey of the
Exterior & Traverse Lines in Tps. 4 S. R. 14 E.
Exterior Lines of Tps. 9, 10 and 11
S. R. 18 E. Tps. 12 S. Rps. 18 and
19 E. and 13 S. R. 19 E.

of the Gila and Salt River Base and Meridian, Arizona

executed by John L. Harris

D. S., under his contract of the 19th day of

August, 1879, having been critically ex-

amined and the necessary corrections and explanations
made, the said Field Notes and the surveys they de-
scribe, are hereby approved.

John Mason

Surveyor General.