

816

BOOK 816

F I E L D N O T E S

OF THE SURVEY OF THE

EXTERIOR AND SUBDIVISION LINES OF

Ts. 14 & 15 S., Rs. 18 & 19 E.

Gila and Salt River Base and
Meridian,

ARIZONA.

By L. D. Chillson, D. S. under
contract dated Mar. 21, 1881.
Survey commenced Apr. 8, 1881.
Survey completed Apr. 13, 1881.

BOOK 816

D. W. S. R. 186.

D. W. S. R. 186.

34 35 36 1 2 3 1

9 8 7 16

3 2 1 5 6 2

19

D. W. S. R. 186.

D. W. S. R. 186.

36 4 3 1

2 3

Field notes of survey of the
Exterior boundaries of Township
15 S. Range 18 E. including sur-
vey of that portion of the 3d
Standard Parallel South
forming the South boundary
of Section 36; Gila and
Salt River Meridian.
Surveyed by Lorenzo D. Chilson,
under his contract of March 21, 1881
with the Surveyor General of
Arizona.

~~Index~~

Next Page

18

By careful inspection of the
land to be surveyed I find that
on account of the wholly in-
practicable nature of the ground
remaining in the valley, I
cannot run complete exterior
of any of the Townships covering
the surveyable district, to wit:
Townships 14 and 15 S. Ranges
18 and 19 East.

Index

3rd Standard Parallel
 South (along) South
 Bdy T. 15 S; R. 18 E.

and
 Bet- T 15 S; R 18 & 19 E

" - T 14 & 15 S; " 18 "

" - T 14 S; " 18 & 19 "

" - T 14 & 15 S; " 19 "

and

Subdivisions

T's 14 & 15 South
 R's 18 & 19 East



Oaths of Assistants.

Oath of Chainmen.

We, Francisco Federico and
Jesus Mac Ramirez hereby certify and solemnly
 swear that we have carefully and faithfully chained all the
 of the exterior and subdivisical lines ^{parts of}
 lines of the surveys ~~shown upon the annexed diagrams~~ of town-
 ships 14 & 15 S. of Range 18 & 19 E.
S. R. & G. Base and Meridian

and that the measurements of the same, as determined by us,
 are correctly recorded thereon.

We further certify that the chains used by us in the
 aforesaid surveys were daily compared and corrected by stand-
 ard measure; that all distances have been obtained by horizon-
 tal measurements, and that we have in all other respects dis-
 charged our duties in accordance with legal instructions.

Francisco Federico
Jesus M. Ramirez

Subscribed and sworn to before me this eightth
 day of April 1881.

L. D. Chilton
 Notary Public

No. 816

1E

Oath of Axemen and Moundmen.

We, William Morrison
 and J. D. Lowe [&] Joe Real
 axemen and moundmen in the survey of ^{and Flagman exterior and Subdivisional} parts of
Tps. 14 & 15 S. of R. 18 & 19 E.
Salt River and Tiler, Base &
Meridian

hereby certify and solemnly swear that we have carefully and faithfully marked all the true lines and corners of the said surveys upon which measurements are shown upon the diagrams hereto attached, in accordance with instructions and the requirements of the surveying manual.

William Morrison,
J. D. Lowe and
Joe Real.

Subscribed and sworn to before me this eighth
 day of April 1881

L. D. Chilson
 Notary Public

Portion of 3d standard South
South boundary of Twp. 15 S. Range 18 East.
Gila, and Salt River Meridian

Chain Going to the closing corner of
Twp. 16 S. Rs. 18 and 19 E. being
the nearest accessible corner
of public surveys adjacent to
the land to be surveyed, I find
ash post 4 in. sq. 4 ft. high
notched and marked, standing
in mound of earth in small
valley north of high ridge, as
per field notes of previous sur-
veys furnished by the Surveyor.

Upon examination of the
ground I find that only a
small portion of the South,
East and North exterior bound-
ary lines of this Township are
surveyable.

Allowing 14.00 chains for
convergence of meridian
I run

Portion of 3d standard South
 South boundary Twp. 15 S. Range 18 East,
 Gila and Salt River Meridian

Chains	West on true line S bound Sec. 36 Variation 12.35 East
	as per H. and L. E. Hurley's solar attachment
11.00	Road running up Cañon, N. and S.
16.25	Dry channel Ash Creek flows S. 40° E.
17.50	Foot of hill.
26.00	Set post marked $\frac{1}{4}$ Sec. with charred stake, in mound of earth and stones, and build mounds of stone instead of pits. Forked Red Oak tree 30 ins. dia. br's N. 51° 45' E. 86 lks. distant marked $\frac{1}{4}$ S. B. T.
66.00	Set post marked and notched 4 ins. dia. 4 ft long, in mound of stone 2 ft. high as per instructions for standard cor. to Sec's 35 and 36, from which Red Oak tree 20 in. dia. br's N. 39° 15' W. 49 lks. dist. marked same S. 35 S. T.
	owing to roughness of ground it is impracti- cable to continue the line further West.

Portions of 3d standard sixth

South boundary Twp. 15 S. Range 18 East,
Gila and Salt River Meridian

Chains. Returning to closing cor for Twp 16 S. R. 18 E
above described Twp.

East on true line S bound. Sec. 36

7.80 Foot of steep rocky hill, ascend

14.00 Set white ash post 6 in dia.

✓ 5 ft. long marked and notched,
with charred stake in mound
of earth and stone 2 ft high
as per instructions for Standard
cor to Twp 15 S. Ranges 18 and 19 E.
on steep rocky hill side sloping W.

Land rough and rocky ex-
cept creek bottoms

Owing to roughness of the ground
it is impracticable to continue
the line further East.

April 8th. 1881.

4
 Between Twp. 15 S. Ranges 18 and 19 East
 Gila and Salt River Meridian.

Chains From the standard cor. to Twp. 15 S. R. 18 and 19 E.
 Run North bet. Secs. 36 and 31

Variation $12^{\circ} 55'$ East

by observation on Polaris from S. E. $\frac{1}{4}$
 of Sec. 36 Twp. 15 S. R. 18 E. April 9, 1881.

10.50 Rocky bluff.

24.50 Left bank of rocky arroyo.

40.00 Hedge of granite. Set post marked
 $\frac{1}{4}$ S. with charred stake in mound
 of earth and stones 2 ft. high
 as per instructions for $\frac{1}{4}$ sec. cor.
 In less than half a mile N. of
 this $\frac{1}{4}$ sec. cor. the line becomes
 impracticable ~~and~~ owing to the
 extreme roughness of the ground

Land rough and rocky

April 9, 1881

Between Tps. 15 S. Ranges 18 and 19 East
Gila and Salt River Meridian

As the East boundary line of the Townships on line bet Ranges 18 and 19 E. from $\frac{1}{4}$ Sec. cor bet Sec. 31 and 36. to cor to Secs. 1, 6, 7 and 12 is unurveyable on account of the extreme roughness of the country, I commence at the cor. to sec. 1, 6, 7 and 12 on range line as this day established by me in running the subdivision lines, and run North between Secs. 1 and 6

Variation $12^{\circ} 35'$ East

As per Wand L. Hurley's Solar attachment.

- 18.00 Point of mountain descend.
- 40.00 Set post marked $\frac{1}{4}$ S., charred stake in mound of stones and earth 2 ft. high, with monuments of stone, as per instructions for $\frac{1}{4}$ Sec. cor., from which

Between Tps 15 S. Ranges 18 and 19 East
Gila and Salt River Meridian

- Chains A White Oak tree 12 in. dia.
 brs N. 11° W. 19 lks. dist. marked
 7/4 S. R. J.
- 48.00 Foot of mountain. Right bank
 of Turkey creek. Enter willow
 thicket, yucca forest + cottonwoods
- 55.00 Turkey creek course N. 47° E.
- 59.00 Leave willow thicket, ascend
- 80.00 Set post 6 in. dia 5 ft. high
 marked and notched, 1 ft
 in ground, build mound of
 earth 2 ft. high as per instructions
 for corner to Tps 14 and 15
 S. Ranges 18 and 19 East,
 from which
 Red Oak tree 16 in. dia. brs S. 39° 15' E.
 3.93 chs. dist. marked same J
 15 S. R. 19 E. B. J.
- No other tree near

First 3/4 mile, very rough and broken
 Last 1/4 " good grazing April 12, 1881

Between Tps. 14 and 15 S. Range 18 East
Gila and Salt River Meridian

Chains From the cor. to sec. Tps. 14 and 15 S.
Ranges 18 and 19 East just es-
tablished. (this line can be only
partially run) I run West on
true line between Secs. 1 and 36

Variation $12^{\circ} 34'$ East,

As per W. and L. C. Purley's Solar attachment.

16.20 Cross ridge S. E.

32.00 Foot of ridge

40.00 Set post marked $\frac{1}{4}$ S. charred
stake in mound of earth 2 ft
high with pits as per instruction
for $\frac{1}{4}$ Sec. cor. No trees near

59.50 Top of ridge descend into timber

70.00 Edge timber

80.00 Set post marked and notched
4 ft. long $\frac{1}{4}$ in. sq. 1 ft in ground
and drive charred stake build
mound of earth with pits as per
instructions for cor. to Secs. 1, 2, 35
and 36 from which

Between Tps. 14 and 15 Ranges 8 East
Gila and Salt River Meridian

Chains Largest of 3 Palm trees brs
S. $34^{\circ}30'$ W. 1.56 chs. dist. mark-
ed same S. 2. B. T.
Land good grazing.

West on true line bet Secs 2 & 35
Variation $12^{\circ}34'$ East.

18.00 Cross ridge

24.00 Cañon course S.

40.00 Set post marked $\frac{1}{4}$ S. charred
stake in mound of earth 2 ft
high, with pits as per instructions
for $\frac{1}{4}$ Sec. cor. from which

A White Oak tree 30 in. dia. bears
N. 63° W. $\frac{1}{3}$ lks. dist. marked $\frac{1}{4}$ S. B. T.

50.00 Cross high ridge, course S. 22° E.

61.00 Cañon. course S.

$\frac{1}{4}$ 5.00 Sycamore creek 30 lks. wide, course
S. 10° E. brush and timber

80.00 Set post marked and notched

Between Tps. 14 and 15 S. Range 18 East
Gila and Salt River Meridian

Chains 4 ft. long, 4 in. sq. 1 ft. in ground
with charred stake and build
mound of earth and stones
2 ft high as per instructions
for cor. to Secs. 2, 3, 34 and 35
from which

A black oak tree 7 in. dia. brs.
S. 60° E. 18 lks. dist. marked
same S. 2. B. T.

A black oak tree 20 in dia
brs. N. 48° 30' E. 19 lks. dist.
Land high ridges and deep
cañons

West on true line bet Secs. 34 & 35
Variation 12° 34' East

28.50 Cross high ridge. N. 54° 15' W.

40.00 Set post marked 1/4 Sec with charred
stake in mound of stone 2 ft high
as per instructions for 1/4 sec. cor. from which

Between Tps. 14 and 15 S. Range 18 East
Gila and Salt River Meridian.

Chains. A white oak tree 14 in dia. brs.
N. $38^{\circ}15'$ W. 27 lks. dist. Descend
75.00 Foot of hill enter thick timber
80.00 Set post marked and notched
4 ft. long 4 in sq. 4 ft. in ground
and built mound of earth +
stones 2 ft. high, as per instructions
for cor. to Secs. 3, 4, 33 and 34 from which
A red oak tree 26 in dia brs.
S. $81^{\circ}E$. 83 lks. dist. ~~41~~
A white oak tree (leaning) 20 in.
dia. brs S. $10^{\circ}45'$ W. 69 lks. dist.
A red oak tree 10 in. dia brs
N. $34^{\circ}45'$ W. 54 lks. dist.
A white oak tree 30 in. dia
brs N. $31^{\circ}15'$ E. 140 lks. dist.
This corner is at the base of the
Sentinel Catalina Mountains and
it is impracticable to extend the
line further West. April 14, 1881.

Field notes of survey of the
Exterior boundaries of
Township 14 S. Range 18 East
Gila and Salt River Mer.
Surveyed by Lorenzo D. Hillman
under his Contract of Mch. 21. 1881
with the surveyor general of
Arizona

By careful inspection of the
ground I find that only a
small portion of the East line
of this Township is surveyable;
all the other lines lying in
mountainous country

Between Tps. 14 S. Ranges 18 and 19 East
Gila and Salt River Meridian

Chains From the cor. to Townships 14
and 15 S. Ranges 18 and 19 East
established by me April 12, 1881
I run North on range line between
Secs. 31 and 36

Variation $12^{\circ}35'$ East.

As per Wm & L. E. Gurley's solar attachment

- 26.00 Top of hill, descend.
- 40.00 Set post marked $\frac{1}{4}$ S. charred
stake in mound of earth 2
ft. high, with pits as per instruc-
tions for $\frac{1}{4}$ Sec. Cor. on Northern
slope of ridge. No trees.
- 51.50 Cross ridge bearing $N. 57^{\circ} 30' E.$
- 62.50 Arroyo bears N.E.
- 80.00 Set post marked and notched
4 ft. long, 4 in. sq. 1 ft in ground
and build mound of earth
2 ft. high with pits, as per
instructions for cor. to Sec. 25

Between Tps. 14 S. Ranges 18 and 19 East
Gila and Salt River Meridian.

30, 31 and 36 on range line
from which

A mesquite tree 16 in dia.

bears S. $52^{\circ}30'$ W. 29 lks. dist.

On account of the mountainous
condition of the ground it is
impracticable to extend the
line further north.

April 12, 1881.

Field notes of survey of the
Exterior boundaries of Township
15 South Range 19 East Gila
and Salt River, meridian
Surveyed by Lorenzo A. Gillson
under his Contract of March 21, 1881
with the Surveyor General of
Arizona.

By careful examination of
the ground, I find that only
a small portion of the North
line of this Township is sur-
veyable all the other lines
lying in mountainous country.

Between Tps 14 and 15 S. Range 19 E.
Gila and Salt River Meridian

Chains As I cannot run the line West
I commence at the cor. to Tps 14
and 15 S. R's 18 and 19 East, and
run East on true line bet. Secs 6³ & 31

Variation $12^{\circ}35'$ East

As per W. and L. E. Gurley's Solar attachment
Allowing 46 lks. for convergency of
meridians I run

19.50 Top of hill, thence over broken ground

39.54 Set post marked $\frac{1}{4}$ S. charred
stake in mound of earth and
stones 2 ft. high, with mounds
of stones as per instructions for
 $\frac{1}{4}$ sec. cor.

61.00 Left bank of Turkey creek

62.75 Turkey creek, 10 lks. wide course
N. $14^{\circ}45'$ E. thick brush and timber.

66.30 Right bank of Turkey creek, descend

79.54 Set post marked and notched
4 ft. long, 4 in. sq. 1 ft. in ground

Between Tps. 14 and 15 S. Range 19 East
Gila and Salt River Meridian

and build mound of earth
and stones two ft. high, for
instructions for cor. to secs. 31, 32
5 and 6, from which

A mesquite tree 8 in dia.

brs. S 87° W. 44 lks. dist.

A large bushy cedar tree brs

N. 71° E. 72 lks. dist.

Owing to roughness of ground
it is impracticable to extend
the line further on this course.
Land poor and rough.

April 13, 1881

Subdivisions of Townships

14^{and} 15 South Ranges

18^{and} 19 East.
mm

18

BOOK 816

INDEX DIAGRAM.

Township 15 South

Range 18 East

6	5	4	26	3	23	2	19	1
					24		22	18
7	8	9		10	21	11	17	12
					20		15	
18	17	16		15	14	14		13
					13		12	
19	20	21		22	11	23		24
					9		8	
30	29	28		27	10	26	7	25
							6	
							5	4
31	32	33		34		35	3	2
								36
								1

Gila and Salt River Meridian.

ARIZONA.

Township 15 S. Range 18 E.
Gila and Salt River Meridian

Chains. Going to the Standard cor to
secs 35 and 36 on the S. bound-
ary of the Township established
by me April 8, 1881, I find
that it is impossible to run
a line North, I therefore return
to the $\frac{1}{4}$ Sec. cor on S. boundary
of Sec 36 on 3d standard S.
and run offset line through
center of the section
North

- Variation $12^{\circ}35' E$,
as per W. and L. G. Hurley's Solar attachment
 6.50 Cross road running up Cañon
 2.00 Ash creek course $S 31^{\circ}30' E$.
 36.75 Left bank of creek
 10.00 Set post marked C. S. 36. M. C.
and build mound of earth
and stone for center of Sec. 36,
from which

A cottonwood tree 20 in dia

Township 15 S. Range 18 East
Gila and Salt River Meridian

Chains	bears N. $11^{\circ}15'W$. 60 lks. dist. Thence West on a true line
	Variation $12^{\circ}35'$ East as per W. and P. C. Murley's poles attached.
27.00	Enter canon, bearing S. E.
31.00	Leave canon, ascend rocky hill.
40.00	Set post marked $\frac{1}{4}$ S. 4 ft.
40.00	long, 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 black oak tree 21 in in dia. bears S. $61^{\circ}15'E$. 82 lks. dist. Land most of the distance broken

Township 15 S. Range 18 E.
 Gilman and Salt River Meridian.

Chains From the $\frac{1}{4}$ sec cor on line bet.

Secs. 35 and 36 I run

North on line bet Secs 35 and 36

Variation $12^{\circ} 35'$ East
 as per W. and E. surveys polar attachment

17.00 Rocky arroyo, brush and timber

25.50 Point of hill to the East

36.50 Cross arroyo, bearing S.E. ascend

40.00 Set post marked and notched

4 ft. long, 3 ins. sq. 1 ft in ground

and build mound of earth and

stones 2 ft. high as per instructions

for cor. to secs. 25, 26, 35 and 36, top hill

No trees nearby

Land rough and broken



Township 15 S. Range 18 East
Gila and Salt River Meridian

Chains East on true line bet. Secs. 25 and 36
Variation $12^{\circ}35'$ East

17.50 Right bank of ash creek

20.00 Ash creek 40 ft. wide course
S. 4° W. ash and sycamore trees.

29.00 Foot of rocky hill, ascend

33.00 Set post marked $\frac{1}{4}$ S. W. C.
as a witness for $\frac{1}{4}$ sec. cor.
as it is impracticable to ex-
tend the line any further
East; build mound of
stones 2 ft high as per in-
structions.

No trees near.

~~Notes~~

As it is impossible to run
the line from or establish the
corner to Secs. 34, 35, 26 and 27
I run from cor to sec 25, 26
35 and 36

Township 15 S. Range 18 East
Gila and Salt River Meridian

Chains West on true line bet. Secs. 21 & 35

Variation $12^{\circ}35'$ East,

7.00 Deep arroyo, course S. $53^{\circ}0'$ E. Brush
and oak,

20.00 Foot of hill oak timber

30.00 Rocky arroyo bears W. ascend

32.19 Set post marked $\frac{1}{4}$ S. W. C.
as a witness for $\frac{1}{4}$ sec. cor. as
it is impracticable to extend
the line West of this point
build mound of stones 2ft
high as per instructions, from
which

Forked oak tree 16 in. dia. bears
S. $54^{\circ}30'$ E. 100 lks. dist. marked
same $\frac{1}{4}$ S. W. C. B. J.

April 9, 1881.

Township 15 S. Range 18 E.
Gila and Salt River Meridian

Chains	North bet. Secs. 25 and 26 Variation $12^{\circ}33'$ East
16.50	Right bank Ash creek
17.75	Ash creek course $S. 71^{\circ} E.$
18.30	Left bank of creek, ascend
36.00	Top of ridge, course S. W.
40.00	Set post marked $\frac{1}{4}$ sec. cor. 1 ft in the ground, charred stake in mound of stones two ft. high as per instructions for $\frac{1}{4}$ sec. cor.

No trees near

On account of roughness of ground it is impracticable to continue this line further north. I make offset and run



Township 15 S. Range 18 E.
Gila and Salt River Meridian

Chains West on true line through
center of sec. 26
Variation 12°33' East

30.00 Left bank of Ash creek

32.00 Cross Ash creek, course S. 46° E.
Sycamore, Ash, and Oak trees.

40.00 Large granite rock, set a post
marked C.S. 26 N. 6. and build
mound of earth, from which
White Oak tree 18 in dia. bears
S. 47° 15' E. 74 lks. dist.

Run thence North on true line
in center of sec 26.
Variation 12°33' E

20.00 Ash creek flows S. 31°30' E.

33.00 Road up cañon bears N.W. & S.E.

40.00 Set post marked 1/4 Sec. 1 ft. in
ground with charred stake in
mound of earth as per instructions
for 1/4 Sec. C.S. from which
Oak tree 16 in dia bears N 87° E
130 lks. dist. marked 1/4 S. B. J.

25

Township 15 S. Range 18 East
Gila and Salt River Meridian

Chains From $\frac{1}{4}$ Sec. cor. on line bet sees
23 and 26 I run East on true line
Variation $12^{\circ}33'$ East

10.47 Set post notched and marked
W.C., as a witness to cor to
sees 23, 24, 25 and 26, as it
is impracticable to extend the
line any further East, build
mound of stone as per instructions
from which
Red Oak tree 10 in. dia. bears
 $S. 66^{\circ}30' E.$ 162 lks. dist.

Thence I run West on true line
from last described corner.
Variation $12^{\circ}33'$ East

10.47 To post $\frac{1}{4}$ Sec. cor.
27.40 Left bank ash creek
30.65 Ash creek, flow $S. 35^{\circ}15' E.$
31.25 Right bank of creek, ascend
50.47 Set post marked and notched

Township 15 S. Range 18 East
Gila and Salt River Meridian

4 ft. long 3 in. sq. 1 ft. in the
ground with charred stake and
build mound of earth and stones
2 ft. high as per instructions for
cor. to secs 22, 23, 26 and 27
from which

Red Oak tree 30 in. dia. b's.
N. $25^{\circ}45'$ W. 188 l's. dist.

As it is impractical to establish
the corner to secs 21, 22, 27 and
28. I commence at the cor.
to secs 22, 23, 26 and 27 just
established and run

West on true line bet secs. 22+27

Variation $12^{\circ}33'$ East

28.60 Base of Santa Catalina Mts.

31.27 Bluff ledge of granite. Set a
post marked $\frac{1}{4}$ S. W. C. as a
witness for $\frac{1}{4}$ Sec. cor. as it is

Township 15 S. Range 18 East
Gila and Salt River Meridian

Chain impracticable to extend the
line any further East, build
mound of earth and stone 2
ft. high as per instructions, from which
White Oak tree 20 in. dia. brs.

S. 32° W. 30 lks. dist. marked
 $\frac{1}{4}$ S. N. G. B. J.

Land rough & poor soil

X

In order to establish the $\frac{1}{4}$ sec. cor. on line
bet. Sec's 26 and 27. I return to the cor. to
Secs 22, 23, 26 and 27 and run
South on line bet Secs. 26 and 27
Var. $12^{\circ} 32'$ East

21.50 Ash Creek 50 lks wide bears N. 65° E.

22.00 Right bank Ash creek

30.00 Cross ridge bears N. 65° E.

40.00 Set post marked $\frac{1}{4}$ S. charred stake

1 ft in ground with mound of earth and stones
2 ft high as per instructions for $\frac{1}{4}$ sec. cor.
from which White oak tree 16 in dia brs. S 53° W.
68 lks. dist. marked $\frac{1}{4}$ S. B. J.

Township 15 S. Range 18 E. 29
 Gila and Salt River Meridian

Chains From cor to Secs. 22, 23, 26^{and} 27

Run North on line bet Secs 22+23

Variation $12^{\circ}32' E$;

19.00 East bank Ash Creek flows $S. 42^{\circ} E$.

20.00 Left bank, ascend.

24.00 Foot of high steep hill.

34.00 Top of hill, descend

40.00 Set post marked $\frac{1}{4}$ S. charred
 stake 1 ft. in ground with mound
 of earth and stones 2 ft high as
 per instructions for $\frac{1}{4}$ Sec. cor.,
 from which.

White Oak tree 16 in dia. brs.

N. $78^{\circ}15' W$. 78 lks dist.

52.50 Foot of hill. Cañon

60.75 Road running up the cañon

80.00 Set post notched and marked $\frac{1}{4}$
 ft long 3 in sq. 1 ft in ground in
 mound of earth 2 ft. high as per in-
 structions for cor. to Secs. 14, 15, 22+23 from which

Oak tree 16 in dia brs N. $41^{\circ} E$.

42 lks. dist.

April 10, 1889

Township 15 S. Range 18 East
 Gila and Salt River Meridian

Chains As whole line is not surveyable
 Run East on true line bet Secs 14 & 23
 Variation 12° 33' East.

As per observation taken on April 11. 1881

19.50 Deep rocky cañon, bears South

25.40 Cross ridge, bears S.E.

40.00 Set post marked 1/4 sec. crossed
 stake in mound of earth 2 ft
 high as per instructions for
 1/4 sec. cor. from which

White Oak tree 12 in dia. br's

N. 27° 30' W. 68 lks. dist.

marked 1/4 S. B. T.

On account of roughness of
 ground it is impracticable
 to extend the line further East.

As it is impossible to establish
 the cor. to Secs. 15. 16. 21 and 22
 and run the line East, I
 commence at -----

Township 15 S. Range 18 E 31
Gila and Salt River Meridian

Chains Cor. to Secs. 14, 15, 22 and 23
and run West on true line bet. Secs 15 + 22

Variation $12^{\circ}33'$ East

28.00 Enter heavy oak timber

32.65 Road running up the cañon
course $N 11^{\circ} W$.

40.00 Set post marked $\frac{1}{4}$ sec. 4 ft
long 1 ft in ground, charred
stake and build mound 2 ft
high as per instructions for $\frac{1}{4}$
sec. cor., from which

Red Oak tree 12" dia. bears

$S. 11^{\circ} E. 46$ lks dist. marked

same $\frac{1}{4}$ S. B. T.

On account of roughness of
ground it is impracticable
to extend the line further West

Township 15 S. Range 18 E
Gila and Salt River Meridian

- | | |
|---------|---|
| Chains. | From cor. to Sec 14, 15, 22 & 23 |
| | North between Secs 14 and 15 |
| | Variation $12^{\circ}33'$ East |
| 7.50 | Cross highest point bet Ash and Turkey Creeks bearing N. $76^{\circ}15'$ E |
| 18.75 | Cross second high point |
| 33.00 | Rocky Cañon, Oak trees; ascend |
| 40.00 | Set post marked $\frac{1}{4}$ S. 4 ft long 1 ft. in the ground, drive charred stake and build mound of stones and earth 2 ft. high, with pits as per instructions for $\frac{1}{4}$ Sec. cor. from which Forked white oak tree 14 in. dia. br's N. $14^{\circ}15'$ W. 25 lks. dist. |
| 41.50 | Top of hill; descend |
| 70.00 | Foot " " |
| 73.00 | Road running to ranch house 77° E. |
| 80.00 | Set post marked and notched 4 ft. long 3 in. sq. 1 ft. in the ground and build mound of earth + stone |

Township 15 S. Range 18 E. 33
 Gila and Salt River Meridian

2 ft. high as per instructions for
 Cor. to Secs. 10, 11, 14 and 15 from which
 Forked black oak tree 30 in dia,
 brs. S. $79^{\circ}30'$ W. 45 lks. dist.

A forked black oak tree 70 in dia
 bears N. $64^{\circ}E$. 90 lks. dist.
 First half of the mile, high
 ridges, good grass, balance
 rough and rocky; brush and
 timber.

East on true line to Secs. 11 & 14

Variation $12^{\circ}33'$ East

- 21.00 Top of hill, descend
 38.00 Foot of hill, deep rocky and
 brushy cañon. bears N. $53^{\circ}W$.
 40.00 Set plat marked $\frac{1}{4}$ Sec 1 ft in the
 ground, drive charred stake and
 build mound of earth 2 ft. high
 with monuments of stone as per

34

Township 15 S. Range 18 E.
Gila and Salt River Meridian

Chains. instructions for $\frac{1}{4}$ Sec. cor. from which
Oak tree 16 in. dia. bears N 20° W
19 lks. dist. marked $\frac{1}{4}$ S. B. T.

51.50 Top of hill; descend

80.00 Set post marked and notched
4 ft. long 3 in. sq. 1 ft. in ground
and build mound of ^{Earth} stones 2
ft high, with mounds of stones for
instructions for cor. to Sec's. 11, 12, 13
and 14, from which

White oak tree 14 in. dia. bears
N. 48° 45' W. 19 $\frac{1}{2}$ lks. dist.
marked same S. N. B. T.

On account of roughness of the ground
it is impracticable to extend the
line further on this course.

Township 15 S. Range 18 E. 35
Gila and Salt River Meridian.

- Chains. From the cor. to Secs. 11, 12, 13^{to} 14
- Run North on line bet Secs 11 and 12
Variation $12^{\circ}33'E$.
- 20.00 Spur from mountain bears $N.70^{\circ}W$.
- 33.50 Foot of hill. Enter Willow thicket
- 35.00 Turkey creek flows $N.88^{\circ}E$.
- 37.50 Leave thicket; enter plowed field
- 40.00 Set post marked $\frac{1}{4}$ S. charred
stake in mound of earth 4 ft. long
build mound of earth 2 ft. high
with pits as per instructions for $\frac{1}{4}$ Sec. cor.
White Oak tree 12 in dia brs $S.58^{\circ}E$
2.10 chs. dist marked $\frac{1}{4}$ S. B. T.
- 41.25 Leave plowed field, ascend
- 69.00 Top of ridge course $N.56^{\circ}30'W$.
- 80.00 Set post marked and notched
4 ft. long 3 in sq. 1 ft. in the ground
and build mound of earth 2 ft. hi.
as per instructions for cor. to Secs. 12, 11, & 12
Black Walnut tree 13 in dia. bears
 $N.8^{\circ}W$. 183 lbs. dist.
Leaving walnut tree 16 in dia brs
 $N.71^{\circ}45'W$ 175 lbs. dist.
First $\frac{1}{2}$ mile rough. balance good grazing land
April 11. 1881

Township 15 S. Range 18 E.
Gila and Salt River Meridian

- Chains As the East boundary line could not
be run I run,
East on true line bet secs. 1 and 12
Variation $12^{\circ}33'E$.
- 14.00 Right bank Cottonwood creek flows N. of line
33.50 Top of ridge, bearing N. E.
40.00 Set stake marked $\frac{1}{4}$ S. charred
stake, 1 ft. in the ground, build
mound of earth 2 ft. high with monuments
of stones as per instructions for $\frac{1}{4}$ sec. cor.
from which. Red Oak tree 10 in. dia. brs.
N. $74^{\circ}30'E$. 45 lks. dist.
- 49.00 Turkey creek, course N. $37^{\circ}30'E$.
51.20 Right bank Turkey creek, around steep & rocky
80.00 Set post notched and marked
4 ft. long 3 in. sq. 1 ft. in the ground and
build mound of stones 2 ft. high as per
instructions for cor. on range line to
secs 1, 6, 7 and 12, from which
White Oak tree 12 in dia brs N. $80^{\circ}E$. 68 lks
distant.
No other trees near
April 12, 1881

Township 15 S. Range 18 E.
Gila and Salt River Meridian

Chains North on random line bet. secs. 1 and 2
Variation $12^{\circ}34'$ East

- 2.75 Dry channel Cottonwood creek, brs. $S. 88^{\circ} E.$
- 7.00 Second " " " " " $77^{\circ} 50'$
- 22.00 Cross ridge, descend
- 40.00 Set temporary cor. stake
- 58.00 Cross ridge course $N. 80^{\circ} E.$
- 70.00 " " " " $S. E.$
- 80.45 Intersect E and W. line 73 lks. E. of cor. to secs. 1 and 2 from which draw $S. 31' E.$

On true line bet. Secs. 1 & 2
Variation $12^{\circ}34' E.$

- 40.45 Set post marked $1/4 S.$ 4 ft long, 1 ft. in ground build mound of earth with pits as per instructions for $1/4$ Sec Cor. from which a palm tree in dia. bears $S. 66^{\circ} W.$ 110 lks. dist.
- 80.45 Cor to Secs. 1, 2, 11 and 12
Land good grazing.

20

38

Township 15 S. Range 18 E
Gila and Salt River Meridian

Chains Return to cor. to Secs. 10, 11, 14 & 15

I find that it will be impossible to
establish the cor. to Secs. 9, 10, 15 and 16
and run the line East. I therefore
run West on true line bet sec. 10 & 15

Variation $12^{\circ} 34'$ East

9.75 Cross Turkey creek 10 lks. wide flows N $1/2$ S E

40.00 Set post marked $1/4$ S. charred stake
4 ft. long 1 ft. in the ground build
mound of earth 2 ft high as per
instruction for $1/4$ sec. cor. from which
White Oak tree 20 in dia. bears S

59 lks. dist. marked $1/4$ S. B. J.

64.90 Set post marked W. C. as a wit-
ness for cor. to Secs. 9, 10, 15 and 16 as
it is impracticable to extend the
line any further West. Charred
stake and build mound of stones
2 ft high as per instructions, from which
A White Oak tree 13 in dia. bears S $72^{\circ} 45'$
E. 29 lks. dist. marked S. 15 W. C. B. J. at
Base Santa Catalina Mts.

Township 15 S. Range 18 E. 39
 Gila and Salt River Meridian

- From cor. to Secs. 10, 11, 14 and 15 I run
 Chains. North between Secs. 10 and 11
 Variation $12^{\circ}35'$ East
- 10.60 Cross Turkey Creek, 10 lbs wide flows
 N. $77^{\circ}30'$ E. ascend
- 24.00 Top of hills descend
- 37.50 Cross arroyo; bears East.
- 40.00 Set post marked $\frac{1}{4}$ S. chanced
 stake 1 ft in ground, build mound
 of earth with pits as per instructions
 for $\frac{1}{4}$ Sec. cor. from which
 Red Oak tree 8 in. dia. bears N. 65° E
 46 lbs. dist. marked $\frac{1}{4}$ S. P. T.
- 52.00 Cross ridge course S. E.
- 63.50 " arroyo " East
- 80.00 Set post notched and marked
 $\frac{1}{4}$ ft. long 3 in sq. 1 ft in ground and
 build mound of stones 2 ft high
 per instructions for cor to Secs. 2, 3
 10 and 11, on right bank of Cottonwood creek
 from which Forked red oak tree 7
 in. dia. bears N. $20^{\circ}30'$ W. 55 lbs. dist.
 Red Oak 12 in dia bears S. $86^{\circ}40'$ E. 7 lbs. dist.
 Land in ridge rough and broken, mostly
 good grazing

Township 15 S. Range 18 East.
Gila and Salt River Meridian

Chains East on random line bet. Secs. 2 & 11

Variation $12^{\circ}35'$ East

25.40 Cross ridge running South descend

32.00 Arroyo, course N. E.

40.00 Set temporary cor. stake

52.00 Point of ridge

79.19 Intersection N and S line 54 lks. N
of cor. to Secs. 1, 2, 11 and 12 from
which I run
 $N. 89^{\circ}37' W.$

Variation $12^{\circ}35'$ East

39.59½ Set post marked ¼ S. 4 ft. long
1 ft. in ground. drive charred stake
and build mound of earth and
stones 2 ft. high as per instructions
for ¼ Sec. cor. from which -

Red Oak tree 10" in dia. 170 ft. 20 lbs.

79.19 Cor. to Secs. 2, 3, 10 and 11.

Land broken, good grazing
April 15, 1881.

Township 15 S. Range 18 East
Gila and Salt River Meridian

Chains. North on random line bet. Secs. 2 & 3

Variation $12^{\circ}35'$ East

5.00 Dry channel Cottonwood creek flows $S 63^{\circ}45' E$ enter timber

12.00 Head timber

24.00 Enter brush and timber

34.50 Deep arroyo, bears $S. 36^{\circ} E.$

40.00 Set temporary cor. stake

50.00 Rocky ridge, bears $S. 74^{\circ}15' E$

63.00 Cross ridge " $S 53^{\circ}45' E$

80.90 Intersect E and W. line of Tp 19th
East of sec. cor. to secs. 2 and 3
from which corner I run
 $S. 08' E.$

40.90 Set post marked $\frac{1}{4}$ S. 4 ft. long
1 ft in the ground, drive chiseled
stake and build mound of earth
2 ft. high, with pits as per in-
structions for $\frac{1}{4}$ sec. Cor. from which
Clump of Oak brush bears $N 4^{\circ} E$
35 ths distant.

Township 15 S. Range 18 E.
Gila and Salt River Meridian

Chains No other trees near
80.90 Cor. to Secs. 2, 3, 10, and 11.
Land rough, Good grazing
April 16, 1881

I find that the cor. to Secs.
3, 4, 9 and 10 cannot be
established and the line run
East, on account of the mountains
I therefore run from cor. to Secs.
2, 3, 10 and 11.

West on a true line bet Secs 3 & 10
Variation $12^{\circ} 35'$ East

10.00 Small stream course $N 48^{\circ} 15' E$

19.00 Arroyo bears N. E.

40.00 Set post marked $\frac{1}{4}$ S. charred
stake $\frac{1}{2}$ ft. long, build mound
of earth 2 ft high as per in-
structions for $\frac{1}{4}$ Sec. cor. from which
Red Oak tree 10 in. dia. bears

Township 15 S. Range 18 E. ⁴³
 Gila and Salt River Meridian

S. $54^{\circ}15'$ E. 18 lks. dist.
 marked 14 S. B. J.

55.00 Rocky point

66.00 Rocky point base of Santa Catalina Mts
 ascend.

76.00 Set post notched and marked
 W.C. as a witness to cor for
 Secs. 3, 4, 9 and 10 as it is im-
 practicable to extend the line
 any further West, drive charred
 stake and build mound of
 stones 2 ft high as per instructions
 from which.

White oak tree 20 in. dia. bears
 S. $16^{\circ}45'$ E. 5.5 lks. dist.

marked S. 10. W.C. B. J.

April 17, 1881

24

44

Township 15 S. Range 18 E.
Gila and Salt River Meridian.

Chains. As the $\frac{1}{4}$ sec. cor. on line between
Secs. 3 and 4 cannot be established
by running N from cor. to Secs 3, 4
9 and 10. I go to the cor. to Secs
3 and 4 on N boundary of Township
and run on a true line.

South bet Secs. 3 and 4

16.50 Cross high rocky ridge br's S. 60° E.

36.50 Cross small stream flow S $69^{\circ} 30'$ W

40.00 Set $\frac{1}{4}$ sec. marked $\frac{1}{4}$ S. drive
charred stake 4 ft. long, 1 ft. in
the ground, build mound of
stones 2 ft high as per in-

structions for $\frac{1}{4}$ sec. cor. from which

White oak tree 16 in. dia. br's.

S. $50^{\circ} 15'$ E. 18 lks. dist.
marked $\frac{1}{4}$ S. B.T.

April 18, 1881

INDEX DIAGRAM.

Township *14 South*

Range *18 East*

6	5	4	3	2	1			
7	8	9	10	11	12			
18	17	16	15	14	13			
19	20	21	<i>40</i>	22	<i>34</i>	23	24	
				<i>38</i>				
30	29	28	<i>37</i>	27	<i>33</i>	26	<i>30</i>	25
				<i>36</i>		<i>32</i>		<i>29</i>
31	32	33	<i>35</i>	34	<i>31</i>	35	<i>28</i>	36

Gila and Salt River Meridian.

ARIZONA.

Field notes of survey of Tp. 14 S. R. 18 E.
 Before beginning survey of the
 subdivision lines of this Tp.
 I make an examination of
 the surveyable land & and
 find that only a small
 portion in the South Eastern
 part of the Township can be
 subdivided.



Township 14 S. Range 18 E.
Gila and Salt River Meridian

Chains. Going to the cor. to sec's 35 and 36
on South boundary of the township
I find the post as set by me on
April 14, 1881 and run thence
North between sec's. 35 and 36

Variation $12^{\circ}33'$ East

- 12.50 Large arroyo bears $S 39^{\circ}30' E$.
- 26.50 Dry channel of creek course $S 51^{\circ}15' E$.
- 35.00 Top of hill, descend
- 40.00 Set post marked 14 S. 4 ft long
1 ft. in the ground, drive charred
stakes and build mound of earth
with pits as per instruction for 1/4
sec. cor. from which a palm 7' in
dia. bears $S 37^{\circ}45' E$. 700 ft. dist.
- 70.00 Cross high ridge bearing E , descend
- 80.00 Set post notched and marked 4
ft. long 3 in. sq. 1 ft. in the ground
and build mound of earth 2 ft high
for cor. to sec's 25, 26, 35 and 36 from which
Oak tree 12 in dia. br. $N 72^{\circ}30' W$. 360 ft. dist.
First half mile good grazing land balance
rocky, brush and timber

Township 14 S. Range 18 E
Gila and Salt River meridian

Chain East on random line bet. Secs 25 & 36
Variation $12^{\circ} 38'$ East

7.00 Deep arroyo, bears N. $85^{\circ} E$
22.50 Cross high ridge, " N $10^{\circ} 30' W$
40.00 Set temporary cor. stake
50.00 Enter deep cañon br's. N $70^{\circ} 15' E$
72.60 Cross rocky ridge course N.
80.65 Intersect East line of T_p 23 1/2 N
of cor. to Secs. 25, 36, 30 and 31 from
which cor. I run
N. $89^{\circ} 50' W$.

On true line bet. Secs. 25 and 36
Variation $12^{\circ} 33' E$.

40.32 1/2 Set post marked 1/4 S. driven charred
stake 1 ft. in the ground and build
mound of earth and stones per in-
structions for 1/4 Sec. cor. from which
mesquite tree 16 in dia bears S $56^{\circ} E$, 2.11 chs. dist.
marked 1/4 S. B. J.

80.65 The cor. to Secs. 25, 26, 35 & 36
First 1/2 of mile good grazing land, balance
Sage & Juniper trees April 16th 1881

Township 14 S. Range 18 E.
 Gila and Salt River Meridian

Chain North let Secs 25 and 26

Variation $12^{\circ}34' E$

20.00 Rocky point of hill sloping E

30.00 Cross rocky ridge hrs $N 25^{\circ} W$

40.00 Set post marked $\frac{1}{4} S. 4 ft.$
 long drive charred stake $\frac{1}{4} ft.$ in
 the ground and build mound
 of earth and stones 2 ft. high
 with monuments of stones for
 $\frac{1}{4}$ Sec cor as per instructions,
 from which

A Mesquite tree 8 in. dia.

bears S. $73^{\circ} E. 25$ lks dist.

marked $\frac{1}{4} S. B. T.$

On account of roughness
 of the ground it is impractical
 to continue the line further
 North.

Township 14 S. Range 18 E
 Gila and Salt River Meridian

From cor established on S bound of Tpt Secs 34 & 35
 Chains North between Secs. 34 and 35

Variation $12^{\circ}35' E$.

9.00 Deep arroyo bears $N 86^{\circ}15' E$.

15.00 Dry channel sycamore creek brs $S 49^{\circ}45' E$.

23.50 Deep arroyo brs. S.W.

40.00 Set post marked $\frac{1}{4}$ S. of ft. long
 1 ft. in ground, drive charred stake
 and build mound of earth and stone
 2 ft high as per instructions for $\frac{1}{4}$
 Sec. cor. from which

White Oak tree 18 in. dia bears
 $S. 41^{\circ}30' W. 140$ lks. dist.

51.00 Enter arroyo. runs with line

64.00 Cross ridge. bears $S. 44^{\circ}45' E$.

69.70 Cross deep arroyo brs. $N. 78^{\circ}15' E$.

80.00 Set post notched and marked
 $\frac{1}{4}$ ft. long 3 in. sq. 1 ft. in ground
 drive charred stake and build mound
 of earth and stone 2 ft high as per instructions
 for cor. to secs 34, 35, 36 & 27 from which
 White Oak 10 in dia brs $N. 88^{\circ}20' W. 59$ lks dist
 surface of land high ridges and
 deep canons. Bunch grass.

32

Township 14 S. Range 18 E.
Gila and Salt River Meridian

Chain East on random line bet Secs 26 & 35
Variation $12^{\circ}34'E$.

8.00 Cross small stream brs. S. $36^{\circ}E$.

26.40 Cross high ridge " S. $30^{\circ}E$.

32.00 Deep cañon " S $10^{\circ}E$

40.00 Set temporary cor. stake

49.25 High ridge limestone brs S. $13^{\circ}W$.

59.60 Cross high rocky ridge S. $8^{\circ}15'E$.

79.93 Intersect N and S line 49 lks. N of
cor. to Secs 25, 26, 35 and 36. from
which I run.

N. $89^{\circ}40'W$. Var $12^{\circ}34'E$.

On true line bet. secs. 26 and 35

39.96 1/2 Set post marked 1/4 S. 4 ft. long 1
ft in the ground, and build mound
of earth and stones 2 ft high as per
instructions for 1/4 sec. cor. from which
Clump Oak saplings bears N $35^{\circ}E$

79.93 1/2 37 lks dist. No other trees near
cor. to Secs. 26, 27, 34 and 35

Surface rough. Bunch grass

Township 14 S. Range 18 E.
Gila and Salt River Meridian

Chains North on line bet Secs. 26^{and} 27
Variation $12^{\circ}35'$ East.

- 10.50 Cross creek, flows $S. 8^{\circ}30' E.$
 19.25 Leave creek W. of line
 32.30 Cross sharp ridge, bears W.
 40.00 Set post marked 14 S. 4 ft long
 1 ft. in ground drive charred stake
 and build mound of earth and stones
 2 ft. high as per instructions for 1/4 Sec
 cor. of - No trees near
 58.00 Deep arroyo, bears N.E.
 71.00 Cross rocky ridge bears W $71^{\circ}15' E.$
 79.50 Creek 30 lks. wide " N. $83^{\circ} E.$
 80.00 Set post marked and notched
 4 ft. long 3 in. sq. 1 ft. in the ground
 and build mound of earth and
 stones 2 ft. high as per instructions for
 cor. to secs. 22, 23, 26 and 27 from which
 Juniper tree 1/2 in. dia. br. S. 83 lks. dist.
 Land very rough and broken.

Township 14 S. Range 18 E.
Gila and Salt River Meridian

Chains As the line between Secs 23 & 26 cannot be surveyed on account of roughness of the ground, I continue line North between Secs. 22 and 23.
Variation $12^{\circ}35'E$.

25.00 Top of high rocky hill.

30.00 Rocky arroyo, bears N.

40.00 Set post marked $\frac{1}{4}$ S. 4 ft. long
1 ft. in the ground, drive charred stake and build mound of earth and stones 2 ft. high as per instructions of $\frac{1}{4}$ Sec. Cor., from which

Oak tree 16 in dia. b.s. $N 47^{\circ}30' W$. 49 lks dist.

Owing to roughness of the ground it is impracticable to continue the line any further North

Township 14 S. Range 18 E.⁵⁴
Gila and Salt River Meridian

Chains From the cor. to Secs. 33 and 34 on
the South boundary of the Township Iron
North on line between Secs. 33 & 34
Variation $12^{\circ} 33' E.$

10.40 Cross sharp ridge, bears S.W.

27.20 Cross high rocky ridge bears S. $25^{\circ} 15' E.$

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

White Oak tree 13 in dia. brs. S. 3 lbs. dist. on ridge

55.00 Foot of ridge, deep arroyo.

66.40 Point of mountain sloping E.

80.00 Set post marked and notched 4 ft.
long 3 in sq. 1 ft. in the ground and
build mound of earth and stones 2
ft. high per instructions for cor. to Secs.
27, 28, 33 and 34, from which

Red Oak tree 16 in dia. bears N. $25^{\circ} 45' E$ 54 lbs dist

Land rough and broken

Township 14 S. Range 18 E.
Gila and Salt River Meridian

Chains East on a random line bet Secs 27 & 34
Variation $12^{\circ}35'E$

- 19.80 Apex of high rocky hill, descend
37.00 Foot of hill, arroyo bars. S. $53^{\circ}E$.
40.00 Set post marked $\frac{1}{4}S$.
42.00 Creek 15 lks. wide flows S. $1^{\circ}W$.
55.00 Cross ridge, bars S. $12^{\circ}W$.
66.00 Cross " " S. $15^{\circ}E$.

79.20 Intersect cor. to secs. 26, 27, 34 & 35
from which cor. I run
West on true line bet. secs 27 & 34
Variation $12^{\circ}35'E$.

- 39.60 Set post marked $\frac{1}{4}S$, 4 ft. long
1 ft. in the ground, and build a
mound of earth and stones 2 ft
high as per instructions for $\frac{1}{4}$ Sec. Cor.
from which

Red Oak tree 8 in dia trs S. $46^{\circ}10'E$. 65 lks. dist.

79.20 Cor. to secs. 27, 28, 33 and 34
Land rough, some grass
April 19, 1881

Township 14 S. Range 18⁵⁸ E.
Gila and Salt River Meridian

Chains North on line bet. Secs. 27 and 28
Variation $12^{\circ}35' E.$

- 10.80 apex of hill, descend.
25.00 Perpendicular bluffs 40ft high
38.00 Deep arroyo bears $N.65^{\circ} E.$
40.00 Set post marked $\frac{1}{4}$ S. 4ft. long
1ft. in ground, drive charred stake
and build mound of earth and stones
as per instructions for $\frac{1}{4}$ Sec. Cor. from which
White oak tree *Quercus* bears $N.62^{\circ}45' E.$ 53k dist.
45.00 Top of hill, descend
55.00 Rocky cañon bears $S.43^{\circ} E.$
69.00 Cross high ridge bears $S.46^{\circ} E.$
80.00 Set post marked and notched 4ft.
long 3in sq. 1ft. in the ground and
build mound of earth and stones
2ft. high as per instructions for cor to
secs. 21, 22, 27 and 28, from which
Red Oak tree *Quercus* bears $N.38^{\circ}15' W$ 10k dist.
" " " " " " " $S.43^{\circ}45' E$ 35 " "
Land very rough and broken
Oak timber, and bunch grass

Township 14 S. Range 18 E.
Gila and Salt River Meridian

Chains East on a random line bet Secs. 22nd & 27
Variation $12^{\circ}35'$ East

- 14.00 Foot of hill.
21.00 Arroyo bears N.
30.00 Apex of hill, descend
40.00 Set temporary cor. stake
40.50 Creek 20 lks N of line flows N. 45° E.
51.50 Cross creek, ~~see~~ flows S. $50^{\circ}30'$ E.
55.50 " " " N. $59^{\circ}30'$ E.
59.00 Enter " " East.
60.60 Leave " " N. 55° E.
65.00 Cross " " S. 40° E.
68.00 " " " N. 15° E ascend
79.30 Intersect N and Shie 83 lks. N of cor. to
Secs 22, 23, 26 and 27 from which course
N. $89^{\circ}25'$ N.

On true line bet sec's. 22 and 27
Variation $12^{\circ}35'$ E.

- 39.65 Set post marked $1/4$ S. 4 ft long
1 ft in the ground, and build

Township 14 S. Range 18 E.
Gila and Salt River Meridian.

mound of stones as per instructions
for $\frac{1}{4}$ Sec. cor. from which
Black oak tree 12 in. dia bears
N. 45° W. $\frac{3}{4}$ lks. dist.

marked $\frac{1}{4}$ S. P. J.

79.30 Cor to secs 21, 22, 27 and 28
Soil good, Land level
Some trees.

~~~~~

Township 14 S. Range 18 E  
Gila and Salt River Meridian

Chain Northern line bet Secs 21 and 22  
Variation  $12^{\circ}35'E$ .

12.00 Deep arroyo bears N.  $76^{\circ}E$

20.00 Cross creek 20 lks wide flows S  $51^{\circ}15'E$

30.00 Foot of hill, ascend

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

Forked Red Oak tree 29 in dia. tr.

S.  $24^{\circ}45'E$ . 97 lks. dist.

marked same  $\frac{1}{4}$  S. B. J.

On account of high Mountains  
it is impracticable to continue  
the line any further North.

The line from cor to Secs 33 and  
34 on S boundary of the Twp. to the  
 $\frac{1}{4}$  Sec. cor. above established runs along  
the base of the Santa Catalina Mts.

April 20, 1881

## INDEX DIAGRAM.

Township *15 North*Range *19 East*

|    |           |    |    |    |    |    |
|----|-----------|----|----|----|----|----|
| 6  | <i>42</i> | 5  | 4  | 3  | 2  | 1  |
| 7  |           | 8  | 9  | 10 | 11 | 12 |
| 18 |           | 17 | 16 | 15 | 14 | 13 |
| 19 |           | 20 | 21 | 22 | 23 | 24 |
| 30 |           | 29 | 28 | 27 | 26 | 25 |
| 31 |           | 32 | 33 | 34 | 35 | 36 |

Gila and Salt River Meridian.

ARIZONA.

Field notes of survey of Twp 15  
S. Range 19 East. Land S. R. Mear  
Upon examination of the land  
in this township I find that it  
is impracticable to run any  
of the lines except a small  
portion in the North West corner  
of the Township bet Secs. 5 & 6.

---

1

12

13

24

25

36

Township 15 S. Range 19 E.  
Gila and Salt River Meridian

Chains I go to the cor to secs. 31. 32. 5<sup>th</sup> 6  
on the N. boundary of the Township  
and run South on true line bet Secs 5<sup>th</sup> 6

Variation  $12^{\circ} 35'$  East

- 74.00 Top of hill, descend  
26.00 Cross ridge, Jacite + Juniper trees  
32.00 Deep rocky canon, bears  $N 76^{\circ} W$ .  
40.00 Set post marked  $\frac{1}{4}$  S. 4 ft. long  
1 ft. in the ground, drive charred  
stake and build mound of earth  
and stones as per instructions for  
 $\frac{1}{4}$  Sec. Cor. from which

A mesquite tree 10 in dia bears  
 $S 5^{\circ} W$  15 lbs. dist.

marked  $\frac{1}{4}$  S. B. J.

On account of the roughness  
of the ground, it is imprac-  
ticable to continue the line  
any further South.

April 13, 1881

## INDEX DIAGRAM.

Township 14 SouthRange 19 East

|                  |    |    |    |    |    |
|------------------|----|----|----|----|----|
| 6                | 5  | 4  | 3  | 2  | 1  |
| 7                | 8  | 9  | 10 | 11 | 12 |
| 18               | 17 | 16 | 15 | 14 | 13 |
| 19               | 20 | 21 | 22 | 23 | 24 |
| 30               | 29 | 28 | 27 | 26 | 25 |
| 31 <sup>44</sup> | 32 | 33 | 34 | 35 | 36 |

Gila and Salt River Meridian.

ARIZONA.

Field notes of survey of Tp. 14  
S. R. 19 East, Gila and Salt  
River Meridian

I find that it is impracticable  
to subdivide this township and  
only a portion of the line bet.  
Secs. 31 and 32 is surveyable.

---

Township 14 S. Range 19 E.  
Gila and Salt River Meridian

Chain going to the cor. to Secs 31, 32, 5  
and 6 on the south boundary  
of the Township I run  
North on a true line bet. Secs. 31 & 32  
Variation  $12^{\circ}35' E.$

- 13.00 Foot of mountain enter thick  
brush and timber
- 27.00 Channel of Turkey Cr. 15 lbs wide  
flows N.  $10^{\circ}30' E.$
- 30.90 Channel of Turkey Cr. 10 lbs wide  
bars N.  $18^{\circ}45' E.$
- 32.75 Left bank of Turkey Cr., ascend
- 35.75 Cross rocky point, descend
- 40.00 White Ash tree 7 in. dia. marked  
 $\frac{1}{4}$  S. as per instructions for  
 $\frac{1}{4}$  Sec. cor. This tree stands  
in channel of Turkey Creek  
bars N.  $80^{\circ} W.$  At this point  
the creek enters mountain gorge  
On account of roughness of the ground  
it is impracticable to continue line further North
- April 13, 1881



## List of Names.

*the exterior and subdivisional lines of ~~parts~~*

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

of Tps, 14 & 15 S. of Rngs 18 & 19 E.

S. R. & G. Boise and Meridian

Showing the respective capacities in which they acted.

|                     |           |
|---------------------|-----------|
| Francisco Frederico | Chainman. |
| Jesus M. Ramirez    | Chainman. |
| William Morrison    | Axeman.   |
| Jose Real           | Flagman.  |
| J. D. Howe          | Maundman. |

## Final Oath of Assistants.

We hereby certify that we assisted *I. D. Chilson*

*U. S. Deputy Surveyor, in surveying  
~~exterior and subdivision lines of parts of~~  
 parts of Tps. 14 & 15 S. of Range  
 18 & 19 E. - Salt River & Guila  
 Base and Meridian;*

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.

*Francisco Federico* Chainman.

*Jesus M. Ramirez* Chainman.

*William Morrison* Axeman.

*Jose Real* Flagman.

*J. D. Lowe* Measurman

Sworn to and subscribed before me, this twenty third  
 day of *April* 1881

*I. D. Chilson*

Notary Public

## Final Oath of Deputy Surveyor.

I, *Lorenza D. Chilsan*

United States Deputy Surveyor, do solemnly swear that I have,

in my own proper person and with the necessary assistants,  
~~exterior and subdivision lines of parts of~~  
 well, truly and faithfully executed the survey of ~~parts~~

*of Tps. 14 & 15 S. of R. 10 E. 18 & 19 T.  
 Salt River and Gila Base & Meridian*

under my contract with John Wasson, United States Surveyor  
 General for Arizona, bearing date the *twenty first* day of  
*March* 1881; that in making the said Sur-  
 vey I have used only such instruments as were approved by the  
 said Surveyor-General, exercising due care in the preservation  
 of adjustments of the same; that in using the solar compass I  
 have at no time projected established lines depending for align-  
 ment upon the magnetic needle; that I have in all respects com-  
 plied with the laws of the United States governing public-land

surveys, the surveying manual, and such additional instructions as have been furnished me by and through the said Surveyor-General relating to the aforesaid Survey; that I have thoroughly acquainted my assistants in the field with the nature of their duties under the laws and instructions above mentioned; that to the best of my knowledge and belief all assistants so employed have likewise obeyed the aforesaid laws and instructions, and that the annexed field-notes are the original, true, and correct returns of the said Surveys.

*J. D. Chilson*

*U.S. Deputy Surveyor*

Subscribed and sworn to before me this *17<sup>th</sup>* —

day of *May* — 1881

*William J. Osborn*  
*Notary Public*



## OATH OF CHAINMEN.

We, *Francisco Frederico and Jesus M. Ramirez*

hereby certify and solemnly swear that we have carefully and faithfully chained all the lines of the surveys shown upon the annexed diagrams of townships *14 & 15 S. of Rios 18 & 19 E. - S. R. B. & N.* and that the measurements of the same, as determined by us, are correctly recorded thereon.

We further certify that the chains used by us in the aforesaid surveys were daily compared and corrected by standard measure; that all distances have been obtained by horizontal measurements, and that we have in all other respects discharged our duties in accordance with legal instructions.

*Francisco Frederico  
Jesus M. Ramirez*

Subscribed and Sworn to before me this *23<sup>rd</sup>* day of *April* 188*2*

*T. D. Chillson* Notary Public

## OATH OF AXMEN AND MOUNDMEN

We, *William Morrison*

and *J. D. Lowe*

axmen and moundmen in the survey of *Parts of Tps. 14 & 15 S. of R. 18* hereby certify and solemnly swear that we have carefully and faithfully marked all the true lines and corners of the said surveys upon which measurements are shown upon the diagrams hereto attached, in accordance with instructions and the requirements of the surveying manual.

*William Morrison  
J. D. Lowe* ~~per Beak~~

Subscribed and Sworn to before me this *23<sup>rd</sup>* day of *April* 188*2*

*T. D. Chillson* Notary Public

OATH OF CHAINMEN.

We, Francisco Frederico and  
Jesus Mariya Ramires

hereby certify and solemnly swear that we have carefully and faithfully chained all the lines of the surveys shown upon the annexed diagrams of townships T. 14. N. 15. S. of  
Rizlas 18 19 E. - S. R. & B. & M. and that the measurements of the same, as determined by us, are correctly recorded thereon.

We further certify that the chains used by us in the aforesaid surveys were daily compared and corrected by standard measure; that all distances have been obtained by horizontal measurements, and that we have in all other respects discharged our duties in accordance with legal instructions.

Francisco Frederico  
Jesus Mariya Ramires

Subscribed and Sworn to before me this 23<sup>rd</sup> day of April 1881.

L. D. Chilson  
Notary Public

OATH OF AXMEN AND MOUNDMEN

We, William Morrison and  
J. D. Lowe

axmen and moundmen in the survey of parts of Tps 14 & 15 S. of R. 18 & 19 E hereby certify and solemnly swear that we have carefully and faithfully marked all the true lines and corners of the said surveys upon which measurements are shown upon the diagrams hereto attached, in accordance with instructions and the requirements of the surveying manual.

William Morrison  
J. D. Lowe ~~free~~ Real

Subscribed and Sworn to before me this 23<sup>rd</sup> day of April 1881.

L. D. Chilson  
Notary Public