Book No. 1683

Resurvey. BOOK 1683

of

5th Standard

Parallel North

through

Ranges 6, 7, 8, 9 and 10 East

4–671

1683

FIELD NOTES

GENERAL LAND OFFICE.

Gila and Salt River Meridian

1683 BOOK 1683

1683 1

Field Notes
of the
Resurvey
of the
5th Standard Parallel North
Rs 6-7-8-9 and 10 West
of the
Gila and Salt River Base and Meridian
in the
Territory of Arizona

as surveyed by
Philip Cordtzen
U. S. Deputy Surveyor
Under his Contract No 37
Dated Feby. 10th 1893

Survey Commenced May 8th 1893
Survey Ended May 12th 1893.

1A

BOOK 1683

Preliminary Oaths of Assistants.

We, Frank Hughes, Clark Hitt
A. C Valadier & W. S. W. Anderson,
do solemnly swear that we will well and faithfully execute the duties of Chain Carriers; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distance to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the Exterior and Subdivisionlines of Tps 20 N. Rs 7, 8, 9 & 10 W. Tps 18 & 19 N. Rs 9 & 10 W — Tps 13, 14, 15 & 16 N Rs 14 & 15 E.
of the Gila and Salt River Base and Meridian in the Territory of Arizona.

F S Hughes Chainman.
Clark Hitt Chainman.
Henry J. Andrews A. C. Valadier Chainman.
W S. Anderson Chainman.

Subscribed and sworn before me, this 5-12
day of May 1893
Henry J. Andrews
Notary Public.

[SEAL.]

We, Hugh Fairman & Albert Edwards do solemnly swear that we will well and truly perform the duties of Flagman & Axeman in the establishment of corners and other duties, according to instructions given us, and to the best of our skill and ability, in the survey of the Exterior and Subdivisional lines of Tps 20 N. Rs 7, 8, 9 & 10 W. Tps 18 & 19 N. Rs 9 & 10 W. — Tps 13, 14, 15 & 16 N. Rs 14 & 15 E of the Gila and Salt River Base and Meridian, in the Territory of Arizona.

H. H. Fairman, Flagman.
Albert Edwards, Axeman.

Subscribed and sworn to before me this 5-th day of May 1898

Henry T. Andrews
Notary Public.

We, James Greig and
R. T. Brackney
do solemnly swear that we will well and truly perform the duties of Axeman and
Flagman
in the establishment of corners and other duties, according to instructions given us, and to the best of our skill and ability, in the survey of the Exterior & Subdivision lines of Tps 20 N. Rs 7, 8, 9 & 10 W, Tps 18 & 19 N Rs 9 & 10 W. Tps 13, 14, 15 & 16 N. Rs 14 & 15 E of the Gila and Salt River Base and Meridian, in the Territory of Arizona.

James Greig, Axeman
R. T. Brackney, Flagman

Subscribed and sworn to before me this 25th
day of June 1893
Philip Contzen
Notary Public.
U. S. Dep. Sur
(No other officer available)

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BOOK 1683

Preliminary Oaths of Assistants.

We, Juan J. Rivera

and Alejo Lena

do solemnly swear that we will well and faithfully execute the duties of Chain Carriers; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distance to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the West half of Tp. 16 North Range 14 East

of the Gila and Salt River Base and Meridian in the Territory of Arizona.

Juan J. Rivera Chainman.

Alejo Leyba Chainman.

..... Chainman.

..... Chainman.

Subscribed and sworn before me, this 9th day of May 1894

J H Wilson
Notary Public.

[SEAL.]

BOOK 1683

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We, Julian Davila

and Macario Costa

do solemnly swear that we will well and truly perform the duties of Flagman

& Axeman

in the establishment of corners and other duties, according to instructions given us, and to the best of our skill and ability, in the survey of the West half of Tp. 16 N. Range 14 East.

of the Gila and Salt River Base and Meridian, in the Territory of Arizona.

Julian Davila, Flagman

Macario Costa, Axeman

Subscribed and sworn to before me this 9th day of May 1894

J. H. Wilson

Notary Public.

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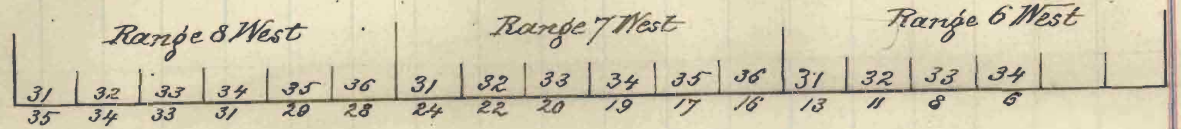

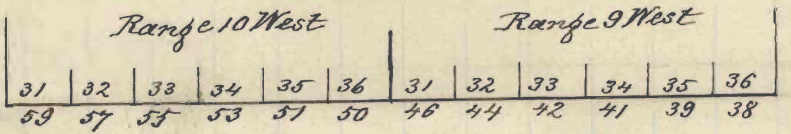

5th Standard Parallel North.

BOOK 1683

Fifth Standard Parallel North

Survey commenced May 8th 1893. with a Young and Sons Transit with a Smith's Solar Attachment, at the Standard Cor. to Secs 34 and 35 of Tp 21 N. R. 6 W., in Latitude 35° 9' N, longitude 112° 49' W of Greenwich, which I found after diligent search.

I observe Polaris at its Eastern elongation at 4. 14 A.M and find its magnetic bearing N. 13° 9' W.

North End of needle	13° 9' E
The Azimuth by table in the Manual is	1° 32' E
The sum is the Variation	14° 41' E

I lay off the Azimuth to the West and mark the true Meridian so determined by driving a picket at 30 chs North of the

BOOK 1683

Through Rs 6-7-8-9 and 10 West.

Corner

At 7.45 A.M. May 8th 1893

I find the magnetic bearing of the line established this morning to be

N 14°44' W

and

By the table on Page 55 of the Manual the mean declination is 14°41' East.

Fifth Standard Parallel North

Chains

I begin at Standard Cor. to Secs 34 and 35 of Tp. 21 N. R 6 W. which is a stone firmly set and properly marked and witnessed as described in the Field Notes furnished by the Surveyor General

Thence I run

West on a random line on S. Bdy of Sec 34.

Var. 14° 44' E.

Ascend ridge through timber

2.00 Top of ridge bears N.

14.00 descend

16.20 bottom and enter valley bears N.

24.10 Wash 2 10 lks wide bears N. Ascend

40.05 At this point the Original Cor bears N 20 lks

Therefore the true course to it is

N 89° 43' W.

Having found but evidences of the mound of stone and no 1/4 Sec. stone

through Range 6 West.

chains

I re-establish this Cor. by setting a volcanic stone 24x10x10 ins 16 ins in the ground for 1/4 Sec Cor. marked 1/4 S. B on N face and raised a mound of stone 1½ ft high 2 ft base alongside. Pits impracticable

Thence I continue from 1/4 Stand Sec Cor West on random line

43.00 Top of ridge bears N.

44.00 descend

50.00 bottom Crs South

54.00 Enter Valley bearing N.

56.00 Leave Valley and ascend

60.00 Top of Mesa

70.00 Leave Mesa and descend.

80.06 at this point the original Cor. bears N. 20 lks

Therefore the true Course to it is N 89° 43' W.

Fifth Standard Parallel North

Chains

I find a stone firmly set in the ground and properly marked and witnessed as described in the Field Notes furnished by the Surveyor General.

Land, broken and mountainous

Soil, 4th rate.

Timber, 80.06 chs scattering Juniper.

~~Mountainous Land 42.10 chs~~

West on a random line on S. Bdy. of Sec 33

Var. 14° 44' E.

✓ Descend through dense ~~under~~ growth brush

6.50 Bottom bears South

7.00 Ascend ridge

10.00 Top of ridge bears N. and descend.

17.00 Bottom bears South

23.00 Ascend ridge.

24.00 Top of ridge bears N. and descend.

25.00 Wash 25 lks wide bears N W.

Through Range 6 West.

Chains	
27.20	Road bears N E.
32.50	Road bears N W.
35.20	Wash 30 lks wide bears N W.
40.02	At this point the original Cor. bears 10 lks S
	Therefore the true Course to it is
	S 89° 51' W.
	The original Cor having the marks obliterated
	I re-establish this Cor. by setting a
	Volcanic Stone 18 x 18 x 8 ins 12 ins in the
	ground for 1/4 Sec Cor. marked 1/4 S C. on
	N. face, dug pits 18 x 18 x 12 ins E and W
	of stone 5½ ft dist. and raised a mound
	of earth 1½ ft high 3½ ft base along side.
	Thence I continue from Standard 1/4 Sec Cor
	W. on random line
50.00	Road bears N W.
57.00	Ascend ridge
64.00	Top of ridge bears N.
67.00	Descend.

Fifth Standard Parallel North

Chains	
72.00	Leave brush dense, undergrowth and enter Timber bottom
80.10	At this point I find the marks of Original Cor to bear S. 50 lks distant.

Therefore the true Course to it is

S. 89° 17 W.

Having found only the mound and pits I re-establish the Cor. by setting a post 4½ ft long 4 ins. square, with marked stone 12 ins in the ground for Standard Cor to Secs 32 & 33 marked

S. C. T. 21 N on N.

R 6 W. S. 33 on E and

S 32 on W. faces with 4 notches on E and 2 notches on W. faces, dug pits 18 x 18 x 12 ins. N. E. and W. of post 5½ ft dist. and raised a mound of earth 2½ ft high 5 ft base around post. No. Bearing Trees.

Land, mountainous

Soil, 2d and 3d rate

through Range 6 West.

Chains

Timber, Oak 8.10chs, and 72chs dense ~~undergrowth~~ ~~Mountainous~~ land 80.10chs

West on a random line on S. Bdy. of Sec 32.

Var. 14°44' E.

Through scattering Brush & 1 Juniper

5.00. Ascend ridge.

14.50 Top of ridge bears N.

17.00 Descend.

40.10. At this point the Original Cor bears S30lks Therefore the true course to it is S 89°34' W.

40.80 Bottom The marks being obliterated I re-establish this Cor. by setting a post 4½ ft long 4 ins square with the marked stone 12 ins in the ground for Standard ¼ Sec Cor. marked S.C. ¼ 40 ns N. face

From which

A pine 8 ins diam. bears S. 80° W. 190 lks.

Fifth Standard Parallel North

Chains

dist. marked 1/4 S. C. B.T.

A pinon 18 ins. diam. bears N. 72° E. 18 lks dist. marked 1/4 S. C. B.T.

Thence I continue W. on random line from 1/4 S. C.

80.20 At this point the Original Cor. bears S. 17 lks. Therefore the true course to it is

S. 89° 45' W.

Having found no marks on monument I re-establish the Cor. by setting a Volcanic Stone 18 x 7 x 7 ins 12 ins in the ground for standard Cor. to Secs 31 and 32 marked S C. with 5 notches on E and 1 notch on W. faces, dug pits 18 x 18 x 12 ins. N. E and W. of stone 5 1/2 ft dist. and raised a mound of earth 2 ft high 4 1/2 ft base alongside. No Bearing Trees. Land, mountainous and rolling

Through Range 6 West.

Chains	
	Soil 2d and 3d rate.
	Timber, Juniper and Oak Brush 80-20ch.
	Mountainous land 35.80ch.
	West on a random line on South Bdy of Sec 31
	Var 14°44' E.
19.90	Ascend Juniper Mountains through heavy timber and Brush,
24.00	Top, bears N.
37.00	Descend
39.50	Bottom and ascend brs South.
41.00	Find original Cor, an old decayed post, bears S. 3 lks dist.
	Therefore the true Course it is
	S. 89°57' W.
	The marked post being obliterated I re-establish this Cor. by setting a Volcanic stone 12x12x6 ins 8 ins in the ground for Standard 1/4 Sec Cor.

Fifth Standard Parallel North

Chains

marked 1/4 S.C. on N. face, from which a
4 Pinon 9 ins diam bears N 82° E. 15 lks dist
marked 1/4 S.C.B.T.
A Pinon 12 ins diam bears S 80° W. 28 lks
dist. marked 1/4 S.C.B.T.
Thence I continue West on random
line from 1/4 S.C.

41.50 top. 2nd descend
50.00 Bottom and ascend
70.88 Set temp. Closing Cor. for Tps 20 N. Rs 6 & 7 W.
72.00 Divide bears N.
83.00 At this point the Original Cor. bears N 15 lks &
Therefore the true course to it is
S. 89° 21' W.
The Old Cedar tree for Standard Cor
to Tps 21 N. Rs 6 and 7 W. Is mark
S.C. Tp 21 N. on N.
R 6 W. S. 31 on E and
R 7 W. S. 36 on W. sides, and raised
a mound of stone 1½ ft high 2 ft base

through Range 6 West.

Chains

alongside. Pits impracticable

From which

A Juniper 12 ins. diam. bears S. 80° E.
156 lks dist. marked S. C. T. 21 N. R. 6 & 7 W. S. 33.

No other trees within limits.

Land Mountainous & rolling

Soil 4th rate

Timber, 83.00 chs Juniper timber and heavy brush.

Mountainous land 83.00 chs

I now return to temporary Closing Cor. to Tps 20 N. Rs 6 and 7 W. where I set a Limestone 18 x 12 x 4 ins. 12 ins in the ground for Closing Cor. to Tps 20 N. Rs. 6 & 7 W. on line, marked C. C. with 6 notches on S. E. and W. faces, and raised a mound of stone 1½ ft high 2 ft base alongside. Pits impracticable

May 8, 1893

8

Fifth Standard Parallel North

Chains

From the Standard Cor to Tps 25
Rs. 6 & 7 West I run
West on a random line on South Bdy of
Sec 36.
Var: 14° 45' E.
Through timber in Juniper Mountains

15.00 Descend

18.00 Bottom and ascend Crs South

30.00 Top and descend.

34.75 Bottom and ascend. Crs South

40.00 Top.

40.10 Find the Original Cor. which is a Volcanic stone firmly set and properly marked as described in the Field Notes furnished by the Surveyor General Therefore the true Course to it is "West"
Thence I continue from ½ S. C.
West on random line

43.00 Descend

44.25 Enter deep gulch bears N E.

through Range 7 West

Chains

.00 Bottom

46.75 Ascend

79.00 Top

82.35 At this point the Original Cor. bears S. 52 lks

Therefore the true course to it is

S. 89° 15' W.

I find a cedar tree at Original Cor for Standard Cor to Sec 35 & 36 properly marked as described in the Field Notes furnished by the Surveyor General.

Land, mountainous

Soil 4th rate

Timber, 82.35 chs Juniper Brush.

Mountainous land 82.35 chs.

West on a random line on South Bdy of Sec. 35

Var. 14° 45' E.

Fifth Standard Parallel North

Chains

3.00 Descend through Brush.

15.00 Bottom bears - S.

16.00 Ascend.

40.05 At this point the original Cor. bears South 2.32 chs

Therefore the true course to it is

S. 86° 41' W.

I find the Original 1/4 Sec Cor to be a Piñon tree properly marked as described in the Field Notes furnished by the Surveyor General.

Thence I continue West on random line from 1/4 S. Cor.

47.00 Top and descend

57.00 Bottom and ascend brs Southerly

80.10 Find the Original Cor., which is a Sandstone Boulder firmly set and properly marked as described in the Field Notes furnished by

Through Range 7 West.

Chains

the Surveyor General, to bear S 2.32 chs
Therefore the true course to it is
S. 86° 41' W.

Land, mountainous
Soil 4th rate
80.10 chs Juniper Brush.
Mountainous land 80.10 chs

West on a random line on South Bdy of
Sec 34
Var 14° 45' E.
Ascend through dense brush undergrowth
15.00 Top bears S. E. & W. descend
40.00 At this point the original 1/4 Sec Cor.,
which is a volcanic stone firmly set
and properly marked as described
in the Field Notes furnished by the
the Surveyor General, bears S 3.79 chs.
Therefore the true course to it is
S 84° 35' W.

Fifth Standard Parallel North

Chains

Thence I continue from ¼ S. Cor.
West on a random line

44.00 Wash 15 lks wide bears S.E.

80.00 At this point the Original Sec Cor. which is a stone firmly set in the ground and properly marked and witnessed as described in the Field Notes furnished by the Surveyor General bears 3.00 chs S. Therefore the true course to it is

S. 85° 42' W.

Land, rolling
Soil, 3d and 4th rate
80 chs dense ~~under~~ juniper brush growth

West on a random line on South Bdy. of Sec 33.

Var. 14° 45' E.

25.50 Wash 15 lks wide bears N E. and ascend
32.00 Enter brush dense under growth
35.00 Top

Through Range 7 West

Chains

40.00 At this point the Original 1/4 Sec Cor. bears S. 41 lks.

Therefore the true course to it is

S. 89° 25' W.

The post of the Old 1/4 Sec Cor. being decayed I re-establish this Cor by setting a volcanic stone 24 x 10 x 6 ins. 16 ins in the ground for Standard 1/4 Sec Cor. marked 1/4 S. C. on N. face and raised a mound of stone 1 1/2 ft high 2 ft base alongside. Pits impracticable.

Thence I continue from 1/4 S Cor W. on random line

42.00 Descend.

480 a Leave dense brush undergrowth

80.00 At this point the Original Standard Sec Cor. bears S. 64 lks

The true course to it therefore is

S. 89° 5' W.

The post being rotten I re-establish the Standard Sec Cor by setting a

Fifth Standard Parallel North

chains

volcanic stone 18x12x5 ins 12 ins in the ground for Standard Sec Cor. to Secs. 32 and 33, marked S.C. with 4 notches on E. and 2 notches on W. faces and raised a mound of stone 1½ ft high 2 ft base alongside. Pits impracticable.

Land, rolling

Soil 1st and 2d rate

Dense undergrowth 48 chs

West on a random line on South Bdy of Sec 32

Var. 14°45' E.

7.00 Enter dense undergrowth

18.00 Enter Valley bears N W.

40.00 Find the Original Cor. which is a post firmly set and properly marked and witnessed as described in the

through Range 7 West

Chains

Field Notes furnished by the Surveyor General.

Therefore the true course to it is West Thence from ¼ S. Cor. I continue West on random line

80.70 At this point the Original Cor. bears 3.24 chs S.

Therefore the true course to it is S. 85°22' W.

→ The Standard Corner of Secs 31 & 32, T. 21 N. R. 7 W. The post originally set for this Cor being decayed I re-establish the Cor by setting a Volcanic stone 15 x 10 x 10 ins 10 ins in the ground for Standard Cor. to Secs 31 and 32, marked S 6. with 5 notches on E and 1 notch on W. faces and raised a mound of stone 1½ ft high 2 ft base alongside, Cts impracticable

Land, rolling

Soil 1st and 2d rate

8

Fifth Standard Parallel North

chains

63.70 Juniper Brush

Timber, 73.70 chs dense undergrowth

West on a random line on South Bdy. of Sec. 31

Var. 14°45' E.

Juniper Brush

4.00 Enter dense undergrowth

33.00 Sandstone Butte bears N. 35 chs.

38.00 Wash 75 lks wide bears N

39.84 At this point the Original Cor. bears N. 50 lks.

Therefore the true course to it is N. 89° 17' W.

The old post being decayed I re-establish this Cor. by setting a Volcanic stone 12 x 10 x 10 ins. 8 ins. in the ground for Standard 1/4 Sec Cor. marked S 1/4 on N. face and raised a mound of stone 1½ ft high 2 ft base alongside

Pits impracticable

through Range 7 West.

Chains	
	Thence from ¼ S. Cor continue W. on random line,
48.00	to cend mesa.
62.71.	Set temporary Closing Cor. for Tps 20 N
	Rs. 7 and 8 W.
72.00	Top of Mesa.
82.15.	At this point the Original Cor. bears S 20 E,
	Therefore the true course to it is
	S. 89° 43' W.
	The Original Cor is a stone firmly set
	and properly marked and witnessed
	as described in the Field Notes furnished
	by the Surveyor General.
	Land, mountainous
	Soil 3d and 4th rate
	Dense undergrowth 78.15 chs
	Juniper Brush
	May 9th 1893

I now return to Temporary Closing Cor.
of Tps 20 N. Rs. 7 & 8 W. where I set
a Volcanic Stone 18 x 10 x 6 ins 12 ins.

Fifth Standard Parallel North

chains

63.70 Juniper Brush

Timber, 73.70 ch. dense undergrowth

West on a random line on South Bdy. of Sec. 31

Var. 14°45' E.

Juniper Brush

4.00 Enter dense undergrowth

33.00 Sandstone Butte bears N. 35 chs.

38.00 Wash 75 lks wide bears N

39.84 At this point the Original Cor. bears N. 50 lks.

Therefore the true course to it is N. 89° 17' W.

The old post being decayed I re-establish this Cor. by setting a Volcanic stone 12 x 10 x 10 ins. 8 ins. in the ground for Standard ¼ Sec Cor. marked S ¼ on N. face and raised a mound of stone 1½ ft high 2 ft base alongside Pits impracticable

through Range 7 West.

chains	
	Thence from ¼ S. Cor continue W. on random line
48.00	to end mesa.
62.71.	Set temporary Closing Cor. for Tps 20 N Rs. 7 and 8 W.
72.00	Top of Mesa.
82.15.	At this point the Original Cor. bears S 20 W. Therefore the true course to it is S. 89° 43' W.

The Original Cor is a stone firmly set and properly marked and witnessed as described in the Field Notes furnished by the Surveyor General.

Land, mountainous

Soil 3d and 4th rate

Dense undergrowth 78.15 chs

Juniper Brush

May 9th 1893

I now return to Temporary Closing Cor. of Tps 20 N. Rs. 7 & 8 W. where I set a Volcanic Stone 18 x 10 x 6 ins 12 ins.

8

Fifth Standard Parallel North

Chains

in the ground for closing Cor. to Tps.
20 N. Rs. 7 & 8 W. on line marked
C.C. with 6 notches on S. E. and W. faces
and raised a mound of stone 1½ ft
high 2 ft base alongside. Pits impract-
icable

Through Range 7 West

Chains

8

Fifth Standard Parallel North

Chains

At 12 M. May 10, 1893 I take an observation on the sun and find my instrument in perfect adjustment

Then from the Standard Cor to Tps 21 N. Rs. 7 & 8 W I run

West on a random line on South Bdy. of Sec 36.

Var. 14° 46' E.

Descend from Mesa through dense undergrowth brush

3.00 Bottom

8.00 Wash 15 lks wide bears N.

35.50 Ascend ridge.

40.55 At this point the Original Cor bears S. 14 lks.

Therefore the true course to it is S 89° 48' W.

The original Cor is a Cedar properly marked as described in the Field Notes furnished by the Surveyor General

Through Range 8 West

Chains	
	Thence from ¼ S. Cor. I continue West on random line
46.00	Top of ridge bears N.
47.25	Descend.
80.55	At this point the Original Cor bears S. 3.95 chs
	Therefore the true course to it is S 84° 22' W.
	I found a stone firmly set and properly marked and witnessed as described in the Field Notes furnished by the Surveyor General.
	Land rolling
	Soil 4th rate
	80.55 chs Dense undergrowth Dumpa Brush

West on a random line on South Bdy of Sec 35.

Var. 14° 46' E.

Descend through dense undergrowth Brush

8

Fifth Standard Parallel North

Chains

13.00 Bottom.

40.76 At this point the Original Cor. bears 7 lks N

Therefore the true course to it is

N. 89° 54' W.

The stump of tree which marked the Cor. being decayed and no marks visible I re-established this cor by setting a limestone 12 x 10 x 10 ins. 8 ins in the ground for Standard 1/4 Sec Cor. marked 1/4 S.C. on N. face and raised a mound of stone 1½ ft high 2 ft base alongside Pits impracticable

Thence from 1/4 S. Cor I continue W. on a random line

50.50 Wash 10 lks wide bears N.E.

80.94 I find the original Cor. a tree

Therefore the true course to it is

West

The marks being nearly obliterated I re-marked the tree for Standard Co

through Range 8 West.

Chains

to Secs 34 & 35 with
S.C.T. 21 N. R 8 W. on N.
S. 35 on E and
S. 34 on W. side, with 2 notches on
E. and 4 notches on W. side. and
raised a mound of stone 1½ ft high
2 ft base alongside. Pits impracticable.
Land, rough, rolling
Soil, 3d and 4th rate
80.94chs Dense Junker Brush undergrowth

West on a random line on South Bdy of
Sec 34.
Var. 14°46' E.
Descend through dense Brush undergrowth
24.50 Bottom and Road bears N.
40.20 At this point the Original Cor bears
N. 42 lks.
Therefore the true course to it is

Fifth Standard Parallel North

Chains

N. 89° 24' W.

Finding no marks on stone and only stumps of trees which had probably been established as bearing trees I re-established this cor. by setting a Volcanic stone 18 x 10 x 8 ins 12 ins in the ground for Standard 1/4 Sec Cor. marked 1/4 S. C. on N. face and raised a mound of stone 1½ ft high 2 ft base alongside. Pits impracticable

Thence from 1/4 S Cor I continue W on random line

80.36 At this point the Original Cor bears N. 36 lks

Therefore the true course to it is

N. 89° 29' W.

The old post being decayed I re-establish this Cor. by setting a Volcanic stone 15 x 15 x 5 ins 10 ins in the ground for Standard Sec. Cor to Secs 33 and 34 marked S C. with 3 notches on E and W.

through Range 8 West

Chains

faces and raised a mound of stone 1½ ft high 2 ft base alongside. Pit impracticable
Land rolling
Soil 1st and 2d rate
Oak & Juniper Brush
80.36 chs Dense under growth

West on a random line on South B dy of Sec 33.

Var 14° 46' E.

Brush
Through dense under growth

7.00 Wash 15 lks wide bears N.

40.27 At this point the Original Cor bears S. 65 lks
Therefore the true course to it is
S 89° 4' W.
I found a stone firmly set and properly marked as described in the Field Notes furnished by the Surveyor General.
Thence from ¼ S Cor. I continue W on random line

81.47 At this point the Original Cor bears S 12 lks

Fifth Standard Parallel North

Chains

Therefore the true course to it is

S. 89°50 W.

I found a post firmly set and properly marked as described in the Field Notes furnished by the Surveyor General.

Land, Rolling

Soil, 1st rate,

81.47chs Dense Juniper Brush undergrowth.

West on a random line on South Bdy of Sec 32

Var. 14°46' E.

Through dense Scattering Juniper undergrowth

40.04 At this point the Original Cor bears S. 82 lks

Therefore the true course to it is

S 88°50' W.

I found a post firmly set and properly marked as furnished in description of Feld Notes by the Surveyor General

through Range 8 West

Chains

Thence from ¼ S. Cor. I continue W. on random line

80.24. At this point the Original Cor bears S. 84 E

Therefore the true course to it is

S. 88° 48' W.

I found a Tree properly marked as described in the Field Notes furnished by the Surveyor General.

Land, rolling.

Soil, 1st rate

80.24 chs scattering Juniper timber dense undergrowth

West on a random line on South Bdy. of Sec 31

Var. 14° 47 E.

38.00 Road bears N.

40.22 At this point the original Cor. bears S. 42 E

Therefore the true course to it is

S 89° 24' W.

The marks on original Cor. being obliterated

Fifth Standard Parallel North

Chains

I re-establish the Cor by setting a Volcanic stone 18x12x10 ins 12 ins. in the ground for Standard 1/4 Sec Cor. marked S.C. 1/4 on N. face; dug pits 18x18x12 ins E & W. of stone 5 1/2 ft dist. and raised a mound of earth 1 1/2 ft high 2 ft base alongside.

Thence from 1/4 S.C. I continue W. on random line

54.98 Set temporary Closing Cor. for Tp 21 N. Ro. 8 and 9 W.

80.52 At this point the Original Cor bears S 48 lks. The true course to it therefore is

S. 89° 19' W.

I found a stone firmly set and properly marked and witnessed as described in the Field Notes furnished by the Surveyor General

Land level

Soil 1st and 2d rate

80.52 chs. scattering Brush.

through Range 8 West

Chains

I now return to temporary closing cor.
to Tp. 20 N. Rs. 8 and 9 W. where I set
a volcanic stone on line 18 x 18 x 6 ins 12 ins in
the ground for closing cor. to Tps 20 N.
Rs. 8 and 9 W. marked C.C. with 6 notches
on S. E. and W. faces, from which
a Cedar 7 ins diam bears S 60° 30' W
260 lks dist, marked T. 20 N. R. 9 W
S. 1 B.T.
a Cedar 10" diam bears N 44° 45' W 185 lks
dist marked C.C. T. 20 N. R's 8 & 9 W B.T.
no other tree within limits

Fifth Standard Parallel North

chains

From the Standard cor to Tps 21 N. Rs 8 & 9 W.

I run.

West on a random line on South Bdy. of Sec 36

Va. 14° 41' E.

20.00 Descend into Gulch.

25.50 Bottom bears N.

26.00 Ascend

31.00 Top

39.00 Bluff overlooking Valley 130 ft high

40.36 At this point the Original Cor. bears S 52 lks

Therefore the true Course to it is

S. 89° 15' W.

I found a stone firmly set and properly marked and witnessed as described in the Field Notes furnished by the Surveyor General.

Thence from 1/4 S. Cor. I continue West on random line.

through Range 9 West.

Chains

41.00 Bottom of Bluff.

80.90 At this point the Original Cor. bears S. 49 lks.
Therefore the true course to it is
S. 89° 18' W.
I found a stone properly marked and witnessed firmly set in the ground as described in the Field Notes furnished by the Surveyor General.
Land, rough and rolling
Soil 1st and 2d rate.
Timber scattering Juniper and Cedar

West on a random line on South Bdy of Sec 35
Va. 14° 47' E.
Through timber

40.35 At this point the Original Cor bears S. 29 lks
Therefore the true Course to it is
S 89° 35' W.

Fifth Standard Parallel North

Chains

I found a stone firmly set and properly marked and witnessed as described in the Field Notes furnished by the Surveyor General.

Thence from 1/4 S. Cor. I continue West on random line

81.02. At this point I find the Original S. Sec Cor., Therefore the true Course to it is West

The marks on the piece of the stone I found here remaining being obliterated as well as the marks on an old Mulberry tree, described as a Bearing tree, being hardly legible I re-established the Cor. by setting a Volcanic stone 18x10x6 ins 12 ins in the ground for Standard Cor to Secs 34 & 35 marked S.C. with 2 notches on E and 4 notches on W. faces and raised a

through Range 9 West.

Harris

mound of stone 1½ ft high 2 ft base
alongside. Pits impracticable. Also
remarked the Mulberry Bearing tree
Land rolling
Soil 2d and 3d rate.
81.02 chs scattering Juniper timber

West on a random line on South Bdy of
Sec 34
Va. 14° 47' E.
Through Timber 3rd ~~dense undergrowth~~
0.94 At this point the Original Cor bears S. 71 Lks.
Therefore the true course to it is
S. 89° 00' W.
The Original Cor being almost obliterated
I re-established this Cor by setting a Sand
stone 18 x 10 x 8 ins 12 ins. in the ground
for Standard ¼ Sec Cor. marked ¼ S. C.
on N. face and raised a mound of

Fifth Standard Parallel North

Chains.

stone 1½ ft high 2 ft base alongside. Pits impracticable

Thence from ¼ S. Cor. I continue West on random line.

81.83. At this point the Original Cor bears S 1½ N. Therefore the true course to it is

N. 89° 53' W.

I found a stone firmly set and properly marked and witnessed as described in the Field Notes furnished by the Surveyor General.

Land, rough and rolling

Soil, 3d and 4th rate.

Timber, 81.83 chs Juniper and Cedar ~~under growth~~

West on a random line on South Bdy of Sec 33.

Va. 14° 47' E

Through timber ~~and~~ dense ~~under growth~~

through Range 9 West.

Chains	
24.00	Ascend ridge.
28.50	Top of ridge bears N
35.50	Descend.
39.23.	At this point the Original Cor bears S. 5.15 chs. Therefore the true course to it is S. 82° 39' W. I found an Old Cedar Tree the marks being barely legible. I therefore remarked the Old Cedar for Standard 1/4 Sec Cor. 1/4 S. C. on N side and raised a mound of stone 1 1/2 ft high 2 ft base alongside Pits impracticable
	Thence from 1/4 Sec Cor I continue West on random line
56.00	Reach bottom and enter Valley bears N.
62.00	Wash 10 lks wide bears S.
65.00	Wash 10 lks wide bears S.
79.50	At this point the Original Cor bears S 40 lks. Therefore the true course to it is

8

Fifth Standard Parallel North

Chains

S 89° 26' W.

The evidences of the Old Cor being very faint I remarked the stone found for Standard Cor to Secs 32 and 33 with SC. and 4 notches on E and 2 notches on W. faces and raised a mound of stone 1½ ft high 2 ft base alongside.

Pits impracticable

Land mostly mountainous.

Soil 2d and 4th rate

Timber, for 79.50 chs cedar & Juniper scattering and dense ~~undergrowth~~

West on a random line on South Bdy of Sec 32.

Va. 14° 47' E.

Ascend Spurs of Cross Mountain through timber.

3.50 top and descend.

4.50 Bottom and ascend.

through Range 9 West.

Chains	
41.32	At this point the Original Cor bears N. 1.21 chs Therefore the true course to it is N. 88° 16' W The marks on the old stone I found being very faint I re-marked the stone for Standard 1/4 Sec Cor. with 1/4 S. C. on N. face and raised a mound of stone 1½ ft high 2 ft base alongside. Pits impracticable. Thence from 1/4 S.C. I continue West on random line
43.50	Wash 20 lks wide bears S.
46.10	Wash 20 lks wide bears S.
50.00	Top of spur.
51.00	Descend.
62.00	Bottom.
77.20	Wash 25 lks wide bears S.
83.12	At this point the Original Cor bears N. 1.21 chs. Therefore the true course

Fifth Standard Parallel North

Chains

to it is N. 88° 16' W.

Remarks on the old stone at this Cor: not being distinguishable I remark the same for Standard Cor to Secs 31 & 32 with 5 Cs. and 5 notches on E and 1 notch on W. faces and raised a mound of stone 1½ ft high 2 ft base alongside. Pits impracticable Land, mountainous.

Soil 4th rate

Timber, 83.12 chs scattering Cedar Juniper

~~Mountainous land 83.12 chs~~

West on a random line on South Bdy of Sec 31.

Var 14° 47' E.

Ascend through timber

7.00 Top of ridge bears N.

16.00 Descend.

23.00 Bottom brs Southerly

through Range 9 West

Chains

25.00 Ascend ridge.

36.00 Top bears N.

38.00 Descend

41.00 At this point the Original Cor bears N. 14 lks
Therefore the true Course to it is
N. 89° 48' W.
Finding no marks on stone set
for this Cor, I remarked the stone
for Standard 1/4 Sec Cor. with 1/4 S 6
on N. face and raised a mound
of stone 1 1/2 ft high 2 ft base alongside
Pits impracticable
Thence from 1/4 S.C. I continue West
on random line

44.00 Bottom

46.07 Set temporary Closing Cor. to T. 20 N
R. 9 & 10 W.

51.24 At this point the Original Cor bears
N. 14 lks. Therefore the true course to

Fifth Standard Parallel North

Chains

it is N 89° 48' W

I find a stone firmly set and properly marked as described in the Field Notes furnished by the Surveyor General.

Land, mountainous.

Soil 4th rate

81.24 chs scattering Juniper Brush. ~~+ Cedar~~

~~Mountainous land 81.24 chs~~

I now return to temporary Closing Cor. Tps. 20 N. Rs 9 & 10 W. where I set a Limestone 12 x 10 x 6 ins 8 ins in the ground for Closing Cor. to Tps 20 N. Rs 9 & 10 W. on line, marked C.C. with 6 notches on S. E and W. faces and raised a mound of stone 1½ ft h'gh 2 ft base alongside.

Pits impracticable

May 11th 1893.

through Range 9 West.

Chains

Fifth Standard Parallel North

Chains

At 12 M. May 12th 1893 I take an observation on the Sun and find my instrument in perfect adjustment

From the Cor. to Tps 21 N. Ro 9 and 10 W. (Standard) I run West on a random line on South Bdy of Sec 36.

Var. 14° 50' E

Ascend through timber ~~and brush~~

10.00 Top of ridge bears N. and descend

22.00 Bottom bears South

40.00 At this point the Original Cor which is a post firmly set and properly marked as described in the Field Notes furnished by the Surveyor General, bears N. 44 lks. Therefore the true course to it is

N. 89° 22' W.

Thence from 1/4 S. C. I continue West on random line

through Range 10 West

Chains

56.00 Ascend ridge.

70.00 Top and descend ridge bears N.

79.52 At this point the Original Cor bears N. 37 lks.
Therefore the true course to it is
N. 89° 28' W.

I found a post firmly set and properly marked and witnessed as described in the Field Notes furnished by the Surveyor General.

Land, mountainous.

Soil 2d and 3d rate

79.52 chs Juniper Timber and brush Mountainous land 79.52 chs

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West on a random line on South Bdy of Sec. 35

Va. 14° 50' E.

Descend through timber & brush

.00 Bottom.

20.00 Enter Valley bears N E. and leave Timber. and brush lk

Fifth Standard Parallel North

Chains

39.17 At this point the Original Cor bears S. 1/2 E. 1/2 lks. Therefore the true course to it is

S. 89° 51' W

The post at this Cor being rotten and the Bearing trees dead so that the marks were nearly destroyed I reestablish this Cor. by setting a granite stone 12x10x6 ins. 8 ins in the ground for Standard 1/4 Sec Cor. marked 1/4 S.C. on N. face, dug pits 18x18x12 ins E and W of stone 5 1/2 ft dist. and raised a mound of stone 1 1/2 ft high 2 ft base alongside.

Thence from 1/4 S. C. I continue West on random line

80.90 At this point the Original Cor. bears S. 5 lks. Therefore the true course to it is S. 89° 56' W.

The old stake I found at this Cor being decayed I re-establish this Cor

through Range 10 West.

Chains

by setting a Sandstone 15 x 12 x 6 ins. 10 ins in the ground for Standard Cor to Secs 34 and 35 marked S.C. with 2 notches on E and 4 notches on W. faces and raised a mound of stone 1½ ft high 2 ft base alongside. Pits impracticable.

From which

A juniper 12 ins. diam. bears N. 50° E 43 lks dist. marked T. 21 N. R 10 W. S. 35 B T.

A juniper 12 ins diam. bears N. 6° W. 83 lks dist. marked T. 21 N. R 10 W. S. 34 B T.

No other Bearing trees within distance.

Land mostly level.

Soil 2d and 3d rate

20 chs dense Juniper timber

brush

West on a random line on South Bdy of Sec 34.

Va. 14° 50' E.

Fifth Standard Parallel North

Chains

32.00 Ascend ridge bears N.

36.00 Top bears N.

40.71 At this point the Original Cor, which is a stone firmly set and properly marked as described in the Field Notes furnished by the Surveyor General, bears S. 13 lks.

Therefore the true course to it is

S 89°49' W.

From ¼ S. B. I continue W. on random line

41.00 Descend

45.00 Bottom.

68.00 Road bears N.

71.50 Fort Rock Creek 30 lks wide flows S.

82.30. At this point the Original Cor bears S 26 lks

Therefore the true course to it is

S. 89° 38' W.

The old stake at this Cor being decay I reestablish this Cor. by setting a

through Range 10 West

Granite stone 18 x 18 x 8 ins. 12 ins in the ground for Standard Cor. to Secs 33 & 34 marked S C. with 3 notches on E and W. faces and raised a mound of stone 1½ ft high 2 ft base alongside. Pits impracticable

Land, rolling

Soil 2d and 3d rate.

Timber scattering Juniper & Cedar

West on a random line on South Bdy of Sec 33.

Va. 14° 50' E.

76 At this point the original Cor. which is a stone firmly set and properly marked and witnessed as described in the Field Notes furnished by the Surveyor General. bears N. 91 lks.

Therefore the true course to it is

N. 88° 42 W.

Fifth Standard Parallel North

Chains

Thence from 1/4 S. C. I continue West on random line

59.00 Ravine 10 lks wide course N.

76.00 Gulch 2 chs. wide Course S.

83.26 At this point I find the Original Cor Therefore the true course to it is West

The marks being not distinguishable I re-established this Cor. by setting a Volcanic stone 12 x 10 x 6 ins 8 ins in the ground for Stand. Cor. to Secs 32 & 33 marked SC. with 4 notches on E and 2 notches on W. faces and raised a mound of stone 1½ ft high 2 ft base alongside

Pits impracticable

Land rough

Soil 3d & 4th rate

Timber scattering Pearce Juniper

through Range 10 West.

Chains

West on a random line on South Bdy of Sec 32

Va. 14° 50' E.

13.00 Ascend ridge.

14.50 Top bears N. and descend

20.00 Bottom.

25.00 Ascend ridge.

40.75 At this point the Original Cor which is a stone firmly set and properly marked as described in the Field Notes furnished by the Surveyor General, bears S. 27 lks.

Therefore the true course to it is

S. 89° 37' W.

Thence from 1/4 S. C. I continue West on random line

43.25 Top bears N.

50.75 Descend

.75 Bottom.

80.32 At this point the Original Cor bears S 40 lks

Fifth Standard Parallel North

Chains

Therefore the true course to it is

S. 89°25 W.

The old marks not being legible I remarked the Old Cor: stone for Stand Cor: to secs 31 & 32 marked S C. with 5 notches on E and 1 notch on W. faces and raised a mound of stone 1½ ft high 2 ft base alongside.

Pits impracticable.

Land rough and mountainous

Soil 3d and 4th rate.

Timber, scattering ~~Junipers~~ Scarce Cedar

Mountainous land 50.75 chs.

West on a random on South Bdy of Sec 31.

Va. 14°50' E.

Many bottoms of gulch course W. N. W.

36.51 Set temp. Closing Cor to Tps 20 N. Rs 10 & 11 W.

through Range 10 West.

chains

80.20 At this point the Original Cor. which is a boulder properly marked and described in the Field Notes furnished by the Surveyor General bears 20 lks N. Therefore the true course to it is

N. 89° 42' W.

Thence from 1/4 S.C. I continue on random line.

80.20 At this point the Original Cor. bears N. 20 lks. Therefore the true course to it is

N. 89° 42' W.

I find the Cor. to be a boulder properly marked as described in the Field Notes furnished by the Surveyor General.

Land, rough and broken.

Soil 4th rate and worthless.

Timber scattering Juniper & Cedar

I now return to temp. Closing. Cor.

Fifth Standard Parallel

Chains

to Tps 20 N. Rs. 10 & 11 W. where I set a granite stone 24 x 12 x 6 ins. 16 ins in the ground for Closing Cor. to Tps 20 N. Rs 10 and 11 W. on line marked C.C. with 6 notches S. E. & W. faces and raised a mound of stone 1½ ft high 2 ft base alongside Pits impracticable.

May 12th 1893.

General Description

Townships 21 North, Ranges 6. 7. 8. 9 & 10 West are rather mountainous and rough country containing but one Creek of running water, Fort Rock Creek.

The country is covered by dense undergrowth brush and timber in numerous places. The timber consists of Cedar

North through Range 10 West.

Piñon and dwarfy juniper.
Fires started, it is said, by the Hualapai Indians have raged in numerous places over considerable areas and destroyed considerable timber.
There is not much arable land in these Townships.

Philip Contzen
U. S. Dep. Sur.

For Final Oaths
See Book No 40.

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BOOK 1683

U. S. Surveyor-General's Office,

TUCSON, A. T., August 9, 1895-

The foregoing Field Notes of the Surveys of the 5th Standard Parallel North, through Ranges 6, 7, 8, 9 and 10 West of the — Gila and Salt River Meridian in Arizona executed by Philip Contzen, U. S. Deputy Surveyor, under his contract dated February 10th 1893. having been critically examined, the necessary corrections and explanations made, the said Field Notes and the surveys they describe are hereby approved.

Leo K. Manning

U. S. Surveyor-General
for the Territory of Arizona.