

BOOK 1327

RE-SURVEY OF ATH. Stand Parl. N.
Thro. Rs. 5-6-7 and a part of 8.
East,

GIRARD & LATIMER.
Cont. No 101.

No. 1327

1327

4-671

BOOK 1327

FIELD NOTES
GENERAL LAND OFFICE.

No. 1327



Spid by E. V. Apr 24/03.

Comp. by " " + m. S. " "

copy.

Range 5-E Des. sheet Copied Comp. 1/25

" " " " " Comp. m. S. m.

Resurvey of the
4th Standard Paral.

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BOOK 1327

Field Notes
of the Retraciment and Resurvey
of the Fourth Standard Parallel
North, Through Ranges Nos
5, 6, 7 and a portion of 8 East
of the Gila and Salt River
Base and Meridian in
the Territory of Arizona.

As Surveyed by.

James P. Girard, and
John W. Latimer

U.S. Deputy Surveyors

Under this Contract

No 101, Dated June 30th 1902

Survey commenced, Sept. 1st 1902

Survey completed, Sept. 18th 1903

BOOK 1327

Names and titles of Assistants

J. R. Pette	Chairman
O. L. Fritsch	Chairman
A. N. Oliver	Chairman
C. E. Stone	Chairman
L. W. Hanson	Flagman
G. G. Gilman	Assessor

Index
T. 17 N. R. 5 E.

31	32	33	34	35	36
4	6	9	11	14	16

4th Standard Parallel North.

T. 17 N. R. 6 E.

31	32	33	34	35	36
19	21	24	27	29	32

4th Standard Parallel North.

T. 17 N. R. 7 E.

32	33	34	35	36	31	32	33
45	43	41	39	37	47	49	52

4th Standard Parallel North.

T. 17 N. R. 8 E.

OK 1327

PRELIMINARY OATHS OF ASSISTANTS.

We, J. R. Bette, O. L. Fritsche
and A. M. Oliver and R. E. Stone
do solemnly swear that we will well and faithfully execute the duties of
chainmen; 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 length
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
Fourth Standard Parallel
through Ranges 5, 6, & 7 and
a portion of 8 East

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

J. R. Bette, Chainman.
O. L. Fritsche, Chainman.
A. M. Oliver, Chainman.
Russel E. Stone, Chainman.

Subscribed and sworn to before me this 20th day
of August, 1902

C. W. Herndon

Notary Public.

[SEAL.]

Mr. Com

We, L. W. Hanson
and G. G. Gilmore

do solemnly swear that we will well and truly perform the duties of
flagman and axmen, in the establishment of corners and other duties,
according to instructions given us, to the best of our skill and ability, in
the survey of the Fourth Standard
Parallels through Ranges
5, 6, 7 and a portion of
8 East.

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

L. W. Hanson, Flagman.
G. G. Gilmore, Axman.
_____, Axman.
_____, Axman.

Subscribed and sworn to before me this 20th day
of August, 1902

C. W. Henderson
Notary Public.

4th Standard North through Range 5 East

No. 1327

After running the West boundary of T. 16. N. R. 5 E. for a distance of 6 miles, no trace of the 4th Standard Parcel could be found. However after a diligent search, which lasted several days, we found the Standard Cor. of Tp 17 N. R. 4-5 East, marked and witnessed as described in the field notes furnished us by the Surveyor General -

As there is such a vast discrepancy existing here, and as the 4th Standard line cannot be traced without instrumental aid, we deem it absolutely necessary to retrace the line. So acting under special instructions independent of, but in connection with our Contract No 101; dated Aug 6th 1902 which provides for such retracement and resurvey as may be found

2

Retracement
4 4th Standard Parcel through R. 5 E.

Chs -

BOOK 1327

to be absolutely necessary to the execution of the surveys described in said contract.

Sept 1st 1902, at 8 am. l.m.t. we set off 8°30' ^{on} on the decl arc and 34°50' on the lat. arc and determine a true meridian at Stand. Cor. of Tps 17. N. R. 4 + 5

Thence S. 89°30' E. on the 4th Standard Parcel along the boundary of Sec 31, over rough and mountainous country -
Dissent

- 17.00 Left bank of Oak Creek, & dis
36.60 Cross Oak Creek 1 ch. wide, fine
flowing stream - course N. W.
39.75 Foot of bluff bnd. N. & S.
Difference between measurements
of 40 chains by two sets of ch
men is 18 lns, Position

Retracement

5

Standard Parallel through R. 5 East.

BOOK 1327

middle point by first set 40.09

By second set 39.91; the mean of which is,

0.00 The stone $\frac{1}{4}$ Sec. cor. which is a
rock in place 5x3x2 ft above

ground, marked and witnessed as

described by Surveyor General

Thomson bearing S $89^{\circ} 30'$ E.

ascending.

3.00 Top of bluff to N. & S. + ascend.

7.00 Top mountain to N. & S. + descend.

5.00 Cross Oak Creek 1 ch wide Course S.W.

Difference bet measurements off 40 chs
by two sets chains is 10 ins.

The position of middle point

By 1st set 40.05 chsBy 2nd set 39.95 chs. The mean of which is40.00 After searching no trace of this
corner could be found so we pro-
ceed to reestablish by setting a
sandstone 18x10x4 ins. 14 ins in

Retraament

6
4th Standard Parallel through R. 5 East.

Chs BOOK 1327

the ground for the Standard Cor of
Secs 31 + 32 marked with one notch on
N. and 5 notches on E. and S.C. on
N. faces. and raised a mound of
stone 2 ft base 1 1/2 ft high N of Cor
Pits impracticable.

No bearing trees available.

Land rough and mountainous

Soil rocky 4th rate.

Timber Cedar Pinon and Oak.

Mountainous land and land covered
with heavy timber and oak brush

80.00 chains -

S 89° 30' E on the 4th Standard Parallel
on the South boundary of Sec 32, over
rough and mountainous country through
heavy timber and dense oak brush.
Ascending.

8.50 Cross Arroyo 20 hrs wide course S, N.

Standard Parcel through R, 5 East.

BOOK 1327

Difference bet measurements of 40.00
chs. by two sets of chainmen is 8 lns. See
position of ~~corner~~ ~~into~~ through

By 1st set 40.07 chs

By 2nd set 39.94 chs; the mean of which is

9.98 at which point we found remains stand
of the old Standard $\frac{1}{4}$ Sec Cor.

I reestablish same as follows. Cor.

Set a Malpais stone 24 x 12 x 8 ins
18 ins in ground for Stand $\frac{1}{4}$ Sec Cor. is

mark $\frac{1}{4}$ S.C. on N. face. whence Cor.

a Cedar 8 ins in dia, brs N 35° W
64 lns dist - mark S.C. $\frac{1}{4}$ S.B.I. ish

Thence we run S 89° 30' E, ascending 8 x 12

11,30 Top Mountain and descend

36,14 Cross Arroyo, follows wide course N.

Difference bet measurements to stand Sec

Cor, bet Secs 32 + 33 by two set of
chainmen is 12 lns. 45

Distance by 1st set 40,23 chs.

8

Retracement of the
4th Standard Parallel through R. 5 E.Chs. **BOOK 1327**

By 2nd set 40.35. The mean of which
40.29 Fee 9 hrs S stand Sec Cor.

True course of line S 89° 38' E. We
found the cor in a very dilapidated condition

so proceed to reestablish as follows, at
original point. Set a Malpais stone
28 X 16 X 4 ins 21 ins in ground for stand.

Sec. Cor. of Secs 32 + 33, marked with
2 notches on W and 4 notches on E and
S.C. on North face, thence a cedar

10 inches in dia ~~to~~ N 46° 45' E 50 lbs
dist. marked J. 17 N R 5 E, S 33 B. J.

A cedar 8 ins in dia ~~to~~ N 86° 20' W
26 lbs dist. marked J. 17. N R 5 E, S
32 B. J.

Land rough and mountainous

Soil Rocky 4th rate

Timber Cedar Piñon and oak brush.

Mountainous land and land covered with
heavy timber 80.27
80.29 Chs.

Retracement of the 4th Standard Parallel through R. 5 East. 9

Ch.

BOOK 1327

S 89° 30' E on the 4th Standard Parallel along the South boundary of Sec 33. over mountainous land through heavy timber, ascending

23.20 Top of mountain and descend
Reference between measurements to stand
1/4 Sec. Cor. by two sets of chainmen is
16 lns. Distance to stand 1/4 Sec. Cor.
By 1st set 39.83

39.75 By 2nd set 39.67. The mean of which is
Fall 34 1/2 lns S. of stand 1/4 Sec. Cor.
True course of this line is East.
Cor very indistinct, Reestablish
same by setting a sandstone 28 X 12
X 4 ins 20 ins in ground for stand
1/4 Sec. cor. marked 1/4 S.C. on N. face,
Whence a cedar 12 ins in dia, bro
N. 33° W. 93 lns dist mark S.C. 1/4 S
33 R. J.

Thence from this cor. S 89° 30' E

Retracement of the
4th Standard Parallel through R. 5 E.

chs.

BOOK 1327

15,40 Cross wash, course N. W. 20 chs wide.

Difference bet measurements to Standard Sec cor by two sets of chainmen is 8 lns. Distance to Sec cor by 1st set is 40.09 by second set 40.01 the mean of which is.

40,05 Fill 34 $\frac{1}{2}$ lns S. of the stand Sec cor of Secs 33 + 34. True course of this line is East. We found this corner fallen down and marks very indistinct so reestablish same by setting a sandstone 30 X 15 X 6 ins no inches in the ground, for stand sec cor marked with 3 notches on E & W edges and S.C. on N face. Whence a Pinon 6 ins in dia bore N. 33° E. 68 lns dist. marked T. 17. N. R. 5 E. S. 34 B. J. A Pinon 6 ins in dia bore N. 40° 15' W. 59 lns dist marked T. 17. N. R. 5 E. & 33 B. J.

Retracement of the 4th Standard Parallel through R. 5 East, 11

chs.

BOOK 1327

Land rough and mountainous -

Soil rocky & rate.

Timber Cedar and Piñon.

Mountainous land and heavily timbered

land 79.80

Sept 1st 1902.

Sept 2nd 1902 at 8 a.m. l.m.t.,
Set off $8^{\circ}08'N$. on the decl arc
and $34^{\circ}50'$ on the Lat arc and
determine a true meridian at
the Stand sec. cor. of Secs 33+34
Tp. 17 N. R. 5. E.

Thence we run $S 89^{\circ}30' E$. on
the 4th Standard Parallel along the
South boundary of sec 34,
descending East slope over
mountainous land.

1.20 Cross wash 15 lrs wide course N.W.

12.45 Top mountain bce N. + S.

12 Retracement of the
4th Standard Parallel through R. 5 East.

chs BOOK 1327

18.15 Foot of bluff b^{rs} N. + S.

31.00 Foot of slope

Difference bet measurements by two sets
of chammes is 14 lns.

Distance to Stand $\frac{1}{4}$ Sec Cor.

By 1st set 39.72 chs

By 2nd set 39.58 chs. the mean of which is

39.65⁻ Full 142 lns S of the Stand $\frac{1}{4}$ Sec

Cor. True course of this line is N 88°

28' E. We found corner almost
obliterated so we reestablish at

original point as follows. Set a

Sandstone 20 x 15 x 6 ins 15 ins in ground

for the Stand $\frac{1}{4}$ Sec Cor, marked $\frac{1}{4}$ SC

on N. face; whence a Piñon 10 inches in

dia b^{rs} N 49° 30' W 126 lns dist. marked S.C.

$\frac{1}{4}$ S. 34 B.T.

Thence S. 89° 30' E from this cor ascending

0.75 Cross wash 15 lns wide course N.W.

Retracement of the 13
4th Standard Parallel through Range 5 East,

chs

BOOK 1327

11.40 Cross wash 18 lks wide course N.W.

29.30 Foot of sandstone bluff and ascend
Difference bet measurements by two sets
of chainmen is 10 lks. Distance to
Stand Sec Cor is

By 1st set, 40.35 chs

By 2nd set, 40.25 chs, the mean of which is,

40.30

Full 3 1/4 lks S of the Stand Sec Cor
true course of this line is East.
We find this corner in a very dilapi-
dated condition so we proceed to re-
establish by setting a Limestone 12x
10x4 ins, set in mound of stone
impracticable to dig hole. For Stand
Sec cor, marked with 2 notches on
E, and 4 notches on N, edges, and
S. C. on N. face - thence a Pinon 5 ins
in dia. to N 29° 30' E. 33 lks dist,
mkd J. 17. N.H. 5 E S 35 B.T.

A Pinon 5 inches in dia. to N 67° 55' W

14
4th Retracement of the
Standard Parallel through R. 5 East.

chs. BOOK 1327

44 hrs dist. marked 5.17. NR 5 E. S 34 B. 1.

Land very rough and mountainous

Soil rocky 4th rate.

Timber, Cedar Piñon & oak brush.

Mountainous land and land covered
with heavy timber and dense oak brush

79.95 chs.

S 89° 30' E. on the 4th Standard Parallel
along the south boundary of Sec 35, over
mountainous land, ascending through
dense timber.

5.20 Top of mountain to N. + S. and descend steep
East slope.

20.20 Foot of slope -

28.20 Cross wash 15 hrs course N-

Difference bet measurements to stand 1/4.

Sec cor by two sets of chainmen is 8 hrs.

Position of 1/4 Sec cor by

1st Set 40.22 chs

Retracement of the
 A^{ch} Standard Parcelled through R. 5 East.

15-

chs.

BOOK 1327

- 40.18 By 2nd set. 40.14. Chs. The mean of which is
 Full 32½ lns. S of the Stand ¼ Sec
 Cor. True course of this line is S89°
 58'E. Cor. almost gone, so we
 reestablished same by setting a sand
 stone 18x18x4 ins. 13 ins in the ground
 for the stand ¼ Sec cor. marked ¼ S.C. on
 N. face. Dug pits 18x18x12 ins E. & W.
 of stone 3 ft dist and raised a mound of
 earth 3½ ft base 1½ ft high N. of Cor.
 Thence, S89°30' East, descending
- 4.30 Cross wash 15 lns wide course N.W.
 28.50 Cross road bro N.W. + S.E.
 32.00 Cross wash 12 lns wide course N.W.

Difference bet measurements by two sets
 of chainmen is 8 lns. Position of Stand
 Sec Cor by

1st set 40.04 chs

- By 2nd set 39.96 Chs. The mean of which is
 40.00 Full 27½ lns S of Stand Sec Cor

16
4th Standard Parallel through R. 5 East.

Chs. BOOK 1327

True course of this line is $S 89^{\circ} 54' E$.
marks on corner obliterated. We
reestablish same as follows. Set a
Sandstone $22 \times 14 \times 5$ ins 16 inches in the
ground for the Stand Sec Cor of Secs.
35 + 36. marked with 1 notch on the E,
and 5 notches on W edges, and S.C. on N.
face. Dig pits $24 \times 18 \times 12$ ins crosswise
on each line E + West 3 ft. and North
of stone 7 ft dist, and raise a mound of
earth 4 ft base 2 ft high North of Cor.
Land Mountainous

Soil rocky + sandy 3rd and 4th rate
Timber Cedar Piñon and oak brush
Mountainous land and land covered
with timber and oak brush - 80.18 Chs.

$S 89^{\circ} 30' E$ on the 4th Standard Parallel
along the south boundary of Sec 36.
ascending gradually, West slope

Retracement of the

17

4th Standard Parallel through R. 5 East

chs.

BOOK 1327

over mountainous land -

Difference bet. measurements by two sets of
chainmen to stand $\frac{1}{4}$ Sec cor is 6 lns.

Position of $\frac{1}{4}$ sec cor by

1st set 40.53 chs

By 2nd set 40.47 chs; the mean of which is

40.50 Full $45\frac{1}{2}$ lns S of Stand $\frac{1}{4}$ Sec. Cor.

True course of line N $89^{\circ}51'$ East.

Corner very indistinct, reestablished by
setting a sandstone $27 \times 12 \times 5$ ins

$2\frac{1}{2}$ ins in the ground for the stand $\frac{1}{4}$ Sec

cor. mark $\frac{1}{4}$ S.C. on N face - From

which a cedar 12 ins in dia bro N 34°

E. 47 lns dist mark S.C. $\frac{1}{4}$ S.C. B.S.

Thence S $89^{\circ}30'$ E, ascending West
slope of mountain.

30,30 Foot of perp. sandstone bluff both + S.

Difference bet measurements to Stand

$\frac{1}{4}$ cor by two sets of chainmen is

12 lns. Position of cor by

Retracement of the
18th 4th Standard Parcel through R 5 East,
BOOK 1327

chs

1st Set 40.36 chs

By 2nd Set 40.24 chs; the mean of which is
40.30. Full 24 1/2 lvs S. of Stand Sp Cor

True course of this line S 89° 51' E.

We find this corner lying on top
of ground and marks obliterated so
we reestablish at original point by

setting sandstone 24 x 14 x 3 ins 18 ins in
ground for the Stand Cor of Sp 17 N
R. 5 + 6 E. marked with 6 notches
on N, E, + W edges. and S.C. on N.
and raise a mound of stone 2 ft base

1 1/2 ft high N of corner, pits impracticable
Land rough and mountainous.

Soil rocky +th rate.

Timber Cedar + Piñon.

Mountainous land 80.80 chains.

Sept 2nd 1902

Retracement of the 19
4th Standard Parcel through R. 6 East.

BOOK 1327

chs

Sept 14th 1902 at 8 am. l.m.t. we
set off $3^{\circ}38'30''^N$ on the decl. arc and
 $34^{\circ}50'$ in the Lat arc and determine a
true meridian at the Standard Cor
of Tp 17 N. R. 5+6 E.

Thence $S 89^{\circ}30' E$ on the 4th Stand
Parallel along the south boundary of
Sec 31, descending from summit
of high mountain.

4.78 Top of bluff and descend

20.80 Foot of mountain and through dense
timber.

Difference bet measurements by two
sets of chainmen to stand $\frac{1}{4}$ sec cor
is 10 lns. Position of $\frac{1}{4}$ sec cor

By 1st set 40.83 chs

By 2nd set 40.73 chs. the mean of which is

40.78 Full 410 lns S of Stand $\frac{1}{4}$ Sec
Cor. True course of this line
is $N 84^{\circ}38' E$ East. We found

20 Retracement of the
4th Standard Parallel through R. O East,

chs BOOK 1327

this corner in a dilapidated condition
We reestablish as follows.
Set a sandstone 28x12x6 ins, 2 1/2 ins
in ground for stand 1/4 Sec cor, mark
1/4 SC on N face, from which a
Pixon 4 ins in dia to N 40° W
20 lrs dist. mark S.C. 1/4 S 31 B. J.
Thence S 89° 30' E according
through dense timber

6, 40 Cross wash 15 lrs wide course N, E.

7, 15 Cross old road to N, + S.

Difference bet measurements to stand
Sec Cor. by two sets of chainmen is
6 lrs. Position of Sec Cor

By 1st set 40.03 chs.

By 2nd set 39.97 chs; The mean of which is

40, 00 Tell 60 lrs S. of Stand Sec Cor of
Secs 31 + 32. True course of this
line is N 89° 39' E. Cor almost
obliterated we reestablish same

Retracement of the 21
4th Standard Parallel through R. 6 East

chs

BOOK 1327

by setting a Soubstone 20x18x4 ins
14 ins in ground for stand Sec Cor
of Secs 31 + 32, marked with
5 notches on E and 1 notch on N
edges + S.C. on N. face.

From which a Cedar 10 ins in dia, brs
N 34° E 16 chs dist. mark J 17 N R 6
E, S 32 O. J. No other trees near.
Land Mountainous soil rocky 4th
Timber Cedar and Piñon

Mountainous land and land
covered with heavy timber 80, 78 chs

S 89° 30' E on the 4th Standard
Parallel, along the South boundary of
Sec. 32, ascending North slope of
mountain through dense oak brush

- 4, 60 Cross ravine 20 chs wide Course N,
10, 75 Cross ravine 15 chs wide Course N,
24, 60 Top of slope + descend

22 Retracement of the L
4th Standard Parcel through Range 6 East.

chs

BOOK 1327

Difference bet measurements by two sets
of chainmen to the standard $\frac{1}{4}$ sec cor
is 4 lns. Position of $\frac{1}{4}$ sec cor.

By 1st set 40.02 chs

By second set 39.98 chs; The mean of which is
40.00

Tree on the old stand $\frac{1}{4}$ Sec cor.

True course of this line is $S 89^{\circ} 30' E$.

Corner in poor condition. mound and
having tree gone. Reestablish by

setting a sandstone $24 \times 12 \times 6$ ins 18 in
in ground for stand $\frac{1}{4}$ Sec Cor. mark $\frac{1}{4}$

S.C. on N. face, From which a Pinon 6
ins in dia. bore $N 74^{\circ} W$ 286 lns dist
mark $S 51^{\circ} 45' 32'' E$.

$S 89^{\circ} 30' E$ descending

- 13.40 Cross ravine 10 lns wide course S.E.
- 15.20 Cross ravine 15 lns wide Course S.E.
- 17.00 Cross wash 10 lns wide Course S.
- 24.35 Cross wash 10 lns wide Course S.
- 30.75 Cross ravine 62 lns wide Course S.W.

Retracement of the

23

4th Standard Parcel through R, 6 East.

chs

BOOK 1327

37.20 Cross Ravine 18 lks wide Course S.W.

39.00 Top Sandstone ridge & descend.

Difference bet measurement to Stand

Sec cor. by two set chains is 4

lks. Position of cor.

By 1st set 40.02 chsBy 2nd set. 39.98 chs. the mean of which is

40.00 The point for stand Sec cor. 7/8

trace of the old corner to be

found. We reestablish same as

follows. Set a sandstone 28 x 14 x 4

19 ins in ground for stand sec. cor. of Secs

32 and 33. marked with 2 notches on W

and 4 notches on E edges and S.C. on

N. face. From which a Piñon 6 ins

in dia bcs N 56° W 98 lks dist. mark

T 14 W R 6 E S 32 B. J. A cedar 8 ins

in dia bcs N 55° E. 56 lks dist. mark T 17

W. R. 6 E. S 33 B. J.

Land rough and mountainous

24
4th Retracement of the
Standard Parallel through R. & East.

chs

BOOK 1327

Soil rocky 4th rate

Timber dense cedar, and oak brush,

Mountainous land and heavily timbered

land and land covered with dense

oak brush 80.00 chains

Sept 14th 1902.

Sept 15th 1902 at 8 a.m. lmt. we
set off $34^{\circ}50'$ on the East arc and
 $3^{\circ}15'30''^N$ on the decl arc and determine
a true meridian with the solar at the
Stand cor of Secs. 32 + 33. Thence
 $589^{\circ}30'E$ on the 4th Standard Parallel
along the South boundary of Sec 33 over
rough and mountainous country.

4.25 Cross ravine 20 lks wide course S.E.

6.80 Top ridge N+S. + descend.

8.70 Cross ravine 22 lks wide course S.W.

11.25 Top ridge to N+S. and descend.

15.40 Cross ravine 15 lks wide course S.E.

25

Retracement of the

A^d Standard Parallel through R, 6 East,

Chs

BOOK 1327

18.00 Cross ravine 22 lks wide course S.E.

21.50 Cross ravine 10 lks wide course S.E.

23.65 Cross wash 10 lks wide course S.E.

35.00 Top of ridge 600 S.E.

Difference bet measurements of 40.00
chains by two set of chains is 6 lks

Position of middle point is.

By 1st set 40.03 chs

By 2nd set 39.97 chs: The mean of which is,

40.00 The point for Stand $\frac{1}{4}$ Sec Cor. No
trace of old corner could be found

Reestablished by setting sandstone

20x12x4 ins 14 ins in ground for the

Stand $\frac{1}{4}$ Sec Cor. mark $\frac{1}{4}$ S.E. on

N. face. from which a Pinon 6 ins in

dia. brs N 64° E 98 lks dist. mark

S.C. $\frac{1}{4}$ S. 33 B.T.

Thence S 89° 30' E. descending.

2.70 Cross ravine 10 lks wide course S.W

10.50 Top ridge brs N.E. + S.W.

26
4th Standard Parcel through Range 6 East.

Retracement of the

chs.

BOOK 1327

20.75 Cross ravine 20 lks wide course South

22.10 Cross ravine 15 lks wide course S.W.

26.70 Cross ravine 20 lks wide course S.W.

33.20 Sandstone bluff 270 ft high bro N. + S.

36.00 Second bluff 350 ft high bro N + S

Difference between measurements of 40.00

chs. by two sets of chainmen is 8 lks

Position of middle point

By 1st set 40.04 chs

By 2nd set. 39.96 chs; the mean of which is

40.00 The point for stand Sec Cor bet Secs

33 + 34. No trace of old corner to be

found. Reestablish by setting a

sandstone 24 X 12 X 10 ins 18 ins in ground

for Stand Cor of Secs 33 + 34 mark

with 3 notches on E + W edges, and

J.C. on N. face. From which a Piñon

6 inches in dia bro N, 77° W, 97 lks dist

mid J. 17. N. R. 6 E. S. 33 B. J.

A Piñon 6 ins in dia bro N 65° E.

Retracement of the
4th Standard Parcel through Range 6 East,

27

Chs.

BOOK 1327

108 lbs dist. med J. 17. N. R. 6. E. S.
34. 13. J.

Land rough and mountainous

Soil rocky 4th rate,

Timber dense cedar & Piñon

Mountainous land and land

heavily timbered 80,00 chains,

S 89° 30' E on the 4th Standard Parcel
along the south boundary of Sec 34
over rough broken country through
dense brush -

13.50 Ascend Sandstone bluff - 60ft high bro N. + S.

27.50 Descend Sandstone bluff 60ft high bro S. + E.

31.10 Cross Ravine 20 ft wide course S.

38.20 Top ridge bro N. + S.

Difference bet measurements of 40.00

chs by two sets of chainmen is 6 lbs.

Position of middle point is,

By 1st set 40.03 chs

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Retracement of the

4th Standard Parcel through R. G. E.

chs.

BOOK 1327

By 2nd set 39,97 chs: The mean of which is 40,00

The point for stord $\frac{1}{4}$ Sec Cor. which was entirely gone, no trace could be found. We reestablish same by marking a sandstone in place 36 x 30 x 25 ins above ground with X for exact corner point, and $\frac{1}{4}$ SC on N. face. From which a Cedar 10 ins in dia bro N 30° E 137 lns dist and S.C. $\frac{1}{4}$ S 34 B.T.

Thence S $89^{\circ}30'$ E descending

- 1,50 Cross ravine 10 lns wide course S.E.
- 7,45 Cross ravine 18 lns wide course S.E.
- 15,15 Out of Canyon 15 lns wide course S.E.
- 30,00 Top sandstone ridge to N.E.

Difference between measurements of 40,00 chs. by two sets of chainmen is 2 lns. Position of middle joint is.

By 1st set 40,01 chs

By 2nd set, 39,99 chs: The mean of which is

Retracement of the 29
4th Standard Parallel through R. 6 E.

chs

BOOK 1327

40.00 The point for the Stout Sec Cor
bet secs 34 + 35. No trace of the
old corner could be found so
we proceed to reestablish same
as follows. Set a Malpais stone
18x12x6 ins. 14 ins in ground for the
Stout Sec. Cor. bet Secs 34 + 35 -
marked with 4 notches on W and
2 notches on the E edges. and S.C.
on N face. and raised a mound
of stone 2 ft base 1 1/2 ft high N
of cor. pits impracticable
Land rough and mountainous
Soil rocky 4th rate.

Timber Cedar + Oak Brush
Mountainous land and land covered
with heavy timber and dense oak
brush 80.00 chs.

S 89° 30' E on the 4th Standard

30
4th Retracement of the
Standard Parallel through R & East.

chs

BOOK 1327

Parallel, along the South boundary of
Sec 35 descending East slope

12.55 Cross ravine 20 lns wide course S.E.

28.00 Bed of dry creek 80 lns wide course S.E.

32.80 Cross ravine 25 lns wide Course N.W.

38.50 Cross ravine 25 lns wide course N.W.

Difference between measurements of 40.00
chs by two sets of chainmen is 8 lns

Position of middle point is,

By 1st set 49.04 chs

By 2nd set 39.96 chs; the mean of which is

40.00 The point for the Stand $\frac{1}{4}$ Sec Cor.

We are unable after much searching

to discover any traces of old cor. So

we reestablish same by setting a

Sandstone 30X12X8 ins 22 ins in ground

for Stand $\frac{1}{4}$ Sec Cor. and $\frac{1}{4}$ S.C.

on N. face, and raised a mound of

stone 2 ft base $1\frac{1}{2}$ ft high N. of

Cor. pits impracticable.

Retracement of the

31

4th standard Parallel through R. 6 E,

chs

No. 1327 BOOK 1327

Hence $S. 89^{\circ} 30' E.$, ascending mountain

2,50 Cross ravine 60 lvs wide course S.W.

14,60 Bed of Canyon 50 lvs wide course South.

14,87 Ascend bluff 200 ft high bro N. & S.

18,10 Top bluff.

Difference bet measurements of
4000 chs by two sets of chainmen is 12 lvs

Position of middle point is

By 1st set 40,06 chs

By 2nd set 39,94 chs; the mean of which is

40,00 The point for Stand Sec Cor. After
diligent search no trace of old cor
can be found so we reestablish
by setting a sandstone $24 \times 12 \times 6$ ins

18 ins in ground for Stand Cor of Sec

35 + 36, marked with one notch on

E and 5 notches on W edges and

S.C. on N face, from which a

chain 24 ins in dia. bro $N 70^{\circ} W$

203 lvs dist. mcd $J, 17 N, R, 6, E, S, 35, 36$

32

Retraciment of the
4th Standard Paralleel through R. 6 E.

chs.

BOOK 1327

No other trees near.

Land mountainous

Soil rocky 4th rate.

Timber Cedar, and oak brush.

Mountainous land 80.00 chs.

Sept 15th 1902,

Sept 16th 1902 at 8 am. amt. we
 set off $34^{\circ}50'$ on the Lat wire and $2^{\circ}52'30''N$
 on the decl arc and determine a
 true meridian with the Solar at the
 Stand Sec cor of Secs 35 + 36 Thru
 $S. 89^{\circ}30'E.$ on the 4th Standard Paralleel
 along the South boundary of Sec 36 over
 Horse mesa.

20.80 Cross wood 20 hrs wide course S.E.

33.90 Top Rim of Woods Canyon thro N.E. + S.W.
and descent abruptly into Canyon.Difference between measurements of 40.00
chs. by two sets of chainmen is 4 chs

Retracement of the
4th Standard Parallel through R. G East.

33

Chs.

BOOK 1327

Position of middle point is,

By 1st set 40.02 chs

By 2nd set 39.98 chs; the mean of which is

40.00 The point for Stand 1/4 sec cor, after searching no trace of the old cor can

be found so we reestablish same
of fellows, marked a Malpais rock

in place 60 x 36 x 30 ins above ground
with X for exact cor, pt. and $\frac{1}{4}$ SC on

N. face, From which a cedar 8 ins
in dia to N40°E 130 lns dist, mark
SC $\frac{1}{4}$ S35° B.J.

S 89°30'E descend rapidly

29.50 Bed of Canyon 3.50 chs wide Course
South and ascend

Difference between measurements of
40.00 chs. by two sets of chainmen is

14 lns. Position of middle point is,

By 1st set 40.07 chs

By 2nd set 39.93 Chs; the mean of which is

34

Retracement of the

4th Standard Parallel through Range 6 East

Chs BOOK 1327

40.00 The point for the Stand Cor of
Twp. 17 N., Rs. 6 + 7 E. After a
diligent search no trace of the
old Twp cor could be found.
We proceed to reestablish by setting
a Malpais stone 28 x 18 x 10 ins 21 ins
in ground for Stand Twp Cor. of Twp
17 N. Rs. 6 + 7 E. marked with 6
notches on N., E. + W edges and
S.C. on N face, raised a mound
of stone 2 ft base 1 1/2 ft high N of
cor.

Land mountainous

Soil rocky 4th rate.

Scattering Cedar + Sycamore.

Mountainous land and land covered
with dense undergrowth of oak
brush 80.00 chains.

Resurvey of the 35
4th Standard Parallel through R. 7 East.

chs.

BOOK 1327

As we found but one or two corners on the 4th Standard Parallel through Range 6 East we deem it advisable to random East to the Cor of Tp 17 N R 7-8 East.

So we begin at the Standard Tp Cor recently reestablished by us and run

S 86° 21' E on a random line and at 40.00 and 80.00 chs setting temporary corners after diligent search we find the Standard Cor of Tp 17 N R 7 and 8 East, at

352.44 15.09 chs North.

The old corner post was rotten and the marks and bearings were almost obliterated so reestablish by setting at original point a

36

Resurvey of the
4th Standard Parallel through Range 7 East

cho

BOOK

1327

Juniper post 3 ft long and 4x4
ins. set 24 ins in ground for the
Standard Cor of Tp 17 N, R. 7 + S. E.
marked T 17 N, R. 7 E. S 36 SC on the
N. W. face, and T 17 N R 8 E S 31 S.C. on
the N. E. face, and 6 notches on the
N. E. + W. edges. from which an
Oak 18 inches in dia bore N 2° W 89
lvs dist. marked T 17 NR 7 E. S 36 B.S.
A Pine 18 ins in dia bore N 88° E 316 lvs
dist- marked T. 17. NR 8 E S 31 B.S.

This position of this corner
being such that the 4th Standard
Parallel through R. 7. E is both
out of alignment and position
we deem it necessary to
resurvey this line -

Sept 16th 1902

4th Standard Parallel through Range 7, E.

Chs.

BOOK 1327

Sept 17th 1902 at 8 am lgt. 9^h 41^m at
 off $34^{\circ}56'$ on the lat arc and $2^{\circ}29'N$
 on the decl arc and determine
 true meridian with the solar at
 the stand 3^d Cor of Sp 17 N Rs
 7 + 8 E, just established by us.

Then we run

N $88^{\circ}48'W$ on a true line on the
 4th Standard Parallel along the S.
 boundary of Sec 36 = over
 mountainous lands through heavy
 timber.

- 14.00 Enter dense cedar timber
 25.00 Leave timber
 25.20 Cross Malpais bluff to N + S.
 29.00 Cross draw 40 lrs wide ~~course~~ south.
 33.50 Foot of steep slope out second.

Difference bet measurements of 40.00 chs
 by two sets of chains is 6 lrs
 The Position of middle point is,

38

Recovery of the
4th Standard Parcel through Range 7 East,

chs.

BOOK 1327

- By 1st set 40.03 chs
 By 2nd set 39.96 chs; the mean of which is
 40.00 Set a malpais stone 20 x 15 x 15 ins
 15 ins in ground for the stand $\frac{1}{4}$ Sec. Cor.
 and $\frac{1}{4}$ S.C. on N. face. From which
 a cedar 24 ins in dia. brs N. 54° W. 202
 lbs dist. marked S.C. $\frac{1}{4}$ S 36 B.J.
 44.00 Top ridge brs N + S, and descend,
 59.69 Cross gash 50 lbs wide course S.W.
 67.00 Top of hill and descends.

Difference of measurements of 80.00 chs
 by two sets of chainmen is 16 lbs, the
 Position of middle point is

- By 1st set 80.08 chs
 By 2nd set 79.92 chs; the mean of which is
 80.00 Set a malpais stone 20 x 12 x 6 ins 15 ins in
 ground for the stand Sec. Cor of Secs 35 +
 36. marked with 1 notch on E and 5 notches
 on N edges, and S.C. on N face. From
 which a Juniper 6 ins in dia. brs N 6° W

Resurvey of the

39

4th Standard Parallel through Range 7 East.

BOOK 1327

208 lks dist. mag J 17 N R 7 E S 35 B.T.

Raised mound stone 2 ft base 1 1/2 ft
high N of cor. pits impracticable

Land mountainous.

Soil rocky 4th rate.

Timber Cedar & Juniper.

Heavy Cedar timber 11.00 cks

Mountainous land 80.00 cks.

N. $88^{\circ}48'$ W. on the 4th Standard

Parallel along the South boundary
of Sec 35, over rough broken country.

18.00 Cross draw 20 lks wide course S, + ascend

25.00 Top of hill

31.30 Foot of hill

39.00 Cross draw 15 lks wide course S.E.

Difference bet measurements of 49.00 cks
by two sets of chainmen is 10 lks.

Position of middle point is

By 1st set 40.05 cks.

40

Resurvey of the 4th Standard Parallel through Range 7 East.

chs.

BOOK

1327

- By 2nd Set 39.95 chs; the mean of which is
40.00 Set a Sandstone 20 X 15 X 6 ins 15 ins in
ground for the stand. $\frac{1}{4}$ sec cor., mkd
 $\frac{1}{4}$ S.E. on N. face. from which a jump
20 ins in dia bro N 26° E 122 lvs dist.
mkd S.C. $\frac{1}{4}$ S 35 B.T.
- 44.65 Cross gulch 30 lvs wide course S.W.
- 52.00 Top of Malpais bluff bro S.W. + N.E.
- 56.30 Top ridge bro N.E. + S.W.
- 61.96 Cross wash 50 lvs wide course S.W.
- 67.39 Cross road bro N.W. + S.E.
Difference bet measurements of 8000
chs by two sets of chainmen is 12 lvs
Position of middle point is,
By 1st set 80.06 chs
By 2nd set 79.94 chs; the mean of which is
80.00 Set a Malpais Stone 30 X 15 X 4 ins
22 ins in ground for stand cor of
secs 34 + 35, marked with 2 notches
on the 8 and 4 notches on the 20

Reurvey of the

##

4th Standard Parallel through Range 7 East,

cho,

BOOK 1327

edges and S.C. on N face From
which a cedar 6 ins in dia. brs
N 31° E, 190 lbs dist. med 917 N
R, 7 E S 35° B.T. a Cedar 8 ins in
dia brs N 88° W 217 lbs dist med
917 N, R, 7 E, S, 34 B.T.

Land mountainous

Soil rocky 4th rate.

Timber Cedar, Pine, Piñon and
dense oak brush.

Mountainous land and land
covered with dense oak brush
80.00 chains,

N 88° 48' W on the 4th Standard Parallel
along the south boundary of Sec. 34
over mountainous land.

10.32 E. brink of canyon & descend abruptly

16.60 Bottom Canyon 60 lbs wide course S. W.

24.50 W. brink of Canyon

42

Resurvey of the

4th Standard Parallel through R. 7 East.

chs.

BOOK

1327

Difference bet measurements of 40.00

chs, by two sets of chainmen is 14 lks.

Position of middle point is

By 1st set 40.00 chs.By 2nd set 39.93 chs. the mean of which is

40.00 Set a Malpais stone 24 x 10 x 6 ins. 18 ins

in ground for the stand $\frac{1}{4}$ sec cor. mark $\frac{1}{4}$ S.C. on N face, from which a Juniper24 ins in dia brs N 13° W 293 lks dist

mark S.C. 14534 B.T.

Difference bet measurements of 80.00 chs

by two sets of chainmen is 8 lks

Position of middle point is

By 1st set 80.04 chsBy 2nd set 79.96 chs; the mean of which is

80.00 Set a sandstone 24 x 15 x 6 ins. 18 ins

in ground for the stand sec cor-

of secs 33 & 34. marked with 3

notches on E and 3 notches on

W edges and S.C. on N face

Resurvey of the 4th Standard Parallel through Range 7 East,
chs.

43

BOOK 1327

and raised a mound of stone 2 ft base
1 1/2 ft high north of Cor. pits impracticable.

Land mountainous.

Soil rocky 4th rate.

Timber Cedar, and oak brush.

Mountainous land with dense

oak brush 80.00 chas.

N. $88^{\circ}48'$ W. on the 4th Standard
Parallel along the south boundary of
Sec 33, through dense cedar timber
and oak brush.

- 13.00 East bank of Canyon
16.32 Bed Canyon 95 lks wide course S.W.
25.55 W. bank of Canyon, cross point
25.60 Descended into small Canyon
29.60 Bottom Canyon 30 lks wide course S.E.
34.75 W. bank of Canyon.
Difference bet. measurements of 40.00
chs by two sets of chains is 16 lks.

44 ^{ch}
A - Resurvey of the
Standard Parallel through R.T.E.

chs

BOOK

1327

Position of middle point is,

By 1st set 40.08 chs

By 2nd set 39.92 chs; the mean of which is

40.00

Set a Malpais stone 20 x 15 x 4 ins

15 ins in ground for stand $\frac{1}{4}$ Sec

cor. mark $\frac{1}{4}$ S.C. on N. face. From

which a cedar 12 ins in dia bore

N. 82° E. 147 lns dist mark S.C. $\frac{1}{4}$

S 33 B.J.

77.00

Discord rapidly

Difference between measurements of

80.00 chs by two set of chainmen is 14

lms. Position of middle point is

By 1st set 80.07 chs

By 2nd set 79.93 chs; the mean of which is

80.00

Set a sandstone 22 x 15 x 6 ins, 16 ins in

ground for stand Sec cor but sec 32 + 33

marked with 4 notches on E and 2 notches

on W legs and S.C. on N face. From

which a cedar 8 ins in dia bore N

Resurvey of the

45

4th Standard Parallel through Range 7 East.

BOOK 1327

chs.

13° W 122 lns dist. met J. 17 N. R. 7 E. S. 32 B. 3.

A cedar 4 ins in dia 600 N 40° E 55 lns

dist met J 17 N R 7 E S 33 B. 3.

Land mountainous

Soil rocky 4th rate.

Timber Cedar & oak brush.

Mountainous land and land

covered with dense oak brush

80.00 chains,

N. 88° 48' W, on the 4th Standard Parallel along the South boundary of Sec 32, ascending East slope over mountainous land

12, 60 E. bank Woods Canyon and descend rapidly through dense oak brush

32, 44 The Stand Cor of Tp 17 N R 6 E S 32 B. 3.

Land mountainous

Soil rocky 4th rate

46

Resurvey of the
4th Standard Parallel through Range 7 East.

chs.
BOOK

1327

Scattering timber

Dense undergrowth of oak brush.

Mountainous land and land
covered with dense undergrowth of
oak brush 32.44 chs.

Sept 17th 1902

Retraiment of the 47
4th Standard Parallel through a portion of Range 8 East

BOOK 1327

Sept 18th 1902 at 8. am. lmt. set off
34°50' on the lot arc, and 2°06' N
on the decl arc and determine a
true meridian with the solar at
the stand cor of 2417 N. Res. 1+88.
hencefore reestablished by us.

Hence we run East on the 4th
Standard Parallel along the South
boundary of Sec 31 ~~over~~ mountains
and descending slope,

6.50 Cross draw course South, 20 lks wide,
34.00 Top ridge bro N + S,
39.60 Descend into wash.
39.70 Cross wash, 70 lks wide, course South,

Difference bet measurements to 1/4 Sec
Cor by two sets of chains is 4 lks.
The position of stand 1/4 Sec cor is
By 1st set 40.08 chs

By 2nd set 40.04 chs, the mean of which is

40.06 Full on old corner, which was a

48 Retracement of the
4th Standard Parallel through a portion of Range 8 E.

chs

BOOK

1327

an old decayed post with marks
indistinct. So we set a Malpais
stone 30 x 12 x 4 ins 22 ins in ground
for the stand $\frac{1}{4}$ Sec cor. mark
 $\frac{1}{4}$ S.C. on N face. From which a
Pine 30 ins in dia. bore N, 80° W. 156
chs dist. mark S.C. $\frac{1}{4}$ S 31 B.T.
Thence East.

- 14,00 Summit of ridge bore N, + S.
23,62 West brink of Canyon.
25,17 Bed of canyon 25 hrs wide course SW.
27,42 East brink of Canyon.

Difference between measurements of
40,00 chs by two sets of chains is 10
chs. Position of stand Sec cor too.

By 1st set 40,01 chs

By 2nd set 39,99 chs the mean of which is

- 39,96 True six hrs S. of the stand Sec
Cor. True course of this line is N 89° 55' E.
We find this cor to be an old

48
A^{ch} Retracement of the
Standard Parallel through a portion of Range 8 E.

chs

BOOK

1327

an old decayed post with marks
indistinct. so we set a Malpais
stone 30 x 12 x 4 ins 22 ins in ground
for the stand $\frac{1}{4}$ Sec cor. mark
 $\frac{1}{4}$ S.C. on N face, From which a
Pine 30 ins in dia, bore N, 80° W, 156
chs dist. mark S.C. $\frac{1}{4}$ S 31 B.T.
Thence East.

- 14,00 Summit of ridge bore N, + S.
23,62 West brink of Canyon.
25,17 Bed of Canyon 25 hrs wide course SW.
27,42 East brink of Canyon.
Difference between measurements of
40.00 chs by two sets of chains is 10
chs. Position of Stand Sec cor. is.
By 1st set 40.01 chs
By 2nd set 39.99 chs the mean of which is
39.96 Full six hrs S. of the Stand Sec
Cor. True course of this line is N $89^{\circ} 55' E$.
We find this cor to be an old

Retracement of the

48

4th Standard Parallel through a portion of Range 8 East.

chs.

BOOK 1327

stone decayed and marks obliterated

So we reestablished at original point
 by setting a Malpais stone 18x12x8 ins
 12 ins in ground for Stand Sec Cor. of Secs
 31+32, mark with 1 notch on W end
 5 notches on E edge, and S.C. on
 N. face. From which a Juniper 22 ins
 in dia brs N, 10° E, 108 lks dist
 mark T 17 N, R 8 E, S. 32 B. T. a Juniper
 20 ins in dia. brs N, 11° W, 206 lks dist, mark
 T 17 N, R 8 E, S. 31 B. T.

Low Mountains

Soil rocky 4th rate.

Timber Cedar Pine + Juniper.

Mountainous and heavily timbered
 lands, S.O. 02 chs.

East on the 4th Standard Parallel
 along the south boundary of Sec 32
 ascending west slope through heavy

50 Retracement of the
Ath Standard Parallel through a portion of R, S E.

chs

BOOK

1327

tension.

12.00 Summit of mesa.

22.75 Cross wash 30 lns wide course S, W.

Difference bet measurements to stand $\frac{1}{4}$

Sec cor by two sets of chainum is 8 lns

Position of stand $\frac{1}{4}$ Sec Cor is.

By 1st set 40.18 chs

By 2nd set 40.10 chs. The mean of which is

40.14 Fall 9 lns S. of the old $\frac{1}{4}$ Sec Cor

True course of this line $N 89^{\circ} 52' S$.

We find the old corner marked only
by mound of stone the corner post
having been destroyed. We reestablish

same at original point as follows,

Set a Malpais stone $18 \times 12 \times 10$ ins. 12 ins
in ground for the stand $\frac{1}{4}$ Sec. Cor

marked $\frac{1}{4}$ S.C. on N face and we raised
a mound of stone 2 ft base $1\frac{1}{2} \times 7$ ft

high N. of Cor. pits impracticable

Hence East, descending.

Retracement of the

51

A⁴ Standard Parallel through a portion of Range 8 East.

chs.

BOOK 1327

17.86

ascend ^{west} ~~east~~ slope

33.86

Summit hrs N + S.

39.90

Cross wash 25 lvs wide course S.W.

Difference bet measurements to stand
Sec cor by two sets of chammun is 12
lvs. Position of stand Sec Cor is.

By 1st set 40.11 chsBy 2nd set 39.99 chs, the mean of which is

40.05

Feel 7 lvs S of the old stand Sec
Cor. True course of this line is $N 89^{\circ} 04' E$.

We find corner a decayed post
marks not decipherable men
reestablish same at original point

by setting a Malpais stone 20x10
x 8 ins 15 ins in gourd for stand Sec

Cor of Secs 32 & 33, marked with
2 notches on W and 4 notches on

E edges, and S.C. on N face,

From which a Pine 28 ins in dia hrs
 $N 57^{\circ} 8' 28$ lvs dist. mnd J. 17 N.

52
Retracement of the
4th Standard Parallel through a portion of R. 8 E.

chs

BOOK

1327

R. 8 E. S 33 B. T. A Pine 10 ins in dia
to N 24° W 150 lvs dist, mark 317 N
R. 8 E. S 32 B. T.

Low Mountains.

Soil rocky & $\frac{1}{2}$ rate,

Timber Cedar Pine & Juniper

Mountains and heavily timbered

land 80,19 chs.

East on the 4th Standard Parallel
along the South boundary of Sec 33.
over mountains country.

25.00 Summit of mts., and descend

36.00 Descent into deep Canyon
course S.W.

Difference bet measurements to the
Closing Sp Cor of T 16. N. R 7 + 8
E on 4th Standard Parallel by two
sets chainmen is 6 lvs.
Position of Sp Cor is by 1st

A^d Standard Parallel through a portion of R. 8 E.

chs

BOOK 1327

37.47 chs

By 2nd pt 37.41; the mean of which is

37.44

The closing Sp Cor of Tp 16 N R

7 + 8 E Full 11 lns S. True

course of this line is $N 89^{\circ}$
 $50' E$. This corner being very

indistinct we proved to re-
 establish same as follows

Set a Malpais stone $20 \times 18 \times 6$ ins
 15 ins in ground for the closing
 cor of Sp 16 N R 7 + 8 E, m'd
 with 6 notches on E, S, + W,
 edges and C.C. on South face

From which a Pine 20 ins in dia
 brs S. $38^{\circ} N$, 41 lns dist, m'd J 16
 N R 7 E S, 1 B, J. A Pine 20 ins
 in dia brs S. $57^{\circ} E$, 31 lns dist
 m'd J 16 N R 8 E S 6 B, J.

Land Mountains,

Soil rocky 4th rate

54

Retracement of the
A^x - Standard Parallel through a Rotten of R. & E.

BOOK

1327

Timber Pine Cedar and Juniper
 Mountainous land and land
 covered with heavy timber
 37,44 chains.

Sept 18th 1902

General Description
 Through Ranges 5 and 6
 East the 4th Standard
 Parallel runs through
 a mountainous country
 which marks the Southern
 termination of the Great
 Colorado Plateau. The difference
 in elevation between the Stand
 of Cen of 17 N R 4+5 E and
 17 N R 6+7 E being nearly
 3000 ft. The country is covered
 on the higher elevations with

General Description,

65

BOOK 1827

a dense cedar growth and the entire line is more or less covered with a dense undergrowth of oak brush -

There is no water except in Oak Creek in the N.W. Cor of Sp 16 N.R. 5 E. There are numerous Caecyons which have waterpockets in rainy season but no permanent water. Absolutely no farming land except in a few instances where land can be gotten adjacent to oak creek where irrigation is practiced. The line through Rs 7+8 E is on the edge of the Plateau and makes a rapid ascent until in Sp 17 N.R. 8 E the Mogallon mountains are encountered. The elevation

General Description

BOOK

1327

in place running up to about 8000 ft above Sea Level, No water of a permanent character adjacent to line. No settlers adjacent to line. No grass at present time altho quite a few stock browse on the oak brush. As we are to subdivide lands south through 5, 6, + 7. E no further description is necessary.

James B. Sinton
 Park W. Sinton
 U.S. Deputy Surveyor

BOOK 1327

57

LIST OF NAMES.

A list of the names of the individuals employed by *R.W.*
Lattin and *James B Girard*
 United States Deputy Surveyors to assist in running, measuring, and
 marking the lines and corners described in the foregoing field notes of
 the survey of the *Fourth Standard Parallel*
West, through Ranges 5, 6, 7 and
portion of 8 East

the Gila and Salt River Base and Meridian, in the Territory of Ari-
 na, showing the respective capacities in which they acted.

JR Batte Chainman.
Ch Fritsche Chainman.
A.N. Oliver Chainman.
R. E. Stone Chainman.
G. G. Gilmore Axman.
 Axman.
R.W. Hanson Flagman.

56

FINAL OATH OF ASSISTANTS.
BOOK 1327

We hereby certify that we assisted J. B. Girard & P. W. Rotimus
United States Deputy Surveyor, in surveying all those parts or portions
of the 4th Standard Parallel North
through Ranges 5, 6, 7 and a
portion of 8 East

of the Gila and Salt River Base and Meridian, in the Territory of Arizona, as are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established according to the instructions furnished by the United States Surveyor-General for Arizona.

- J. B. Girard Chainman.
- P. W. Rotimus Chainman.
- A. Quinn Chainman.
- Russell E. Stone Chainman.
- G. G. Gilmore Axman.
- Axman.
- L. W. Hanson Flagman.

Subscribed and sworn to before me this 10th day
of December, 1902

W. Herndon
Notary Public.

[SEAL.]

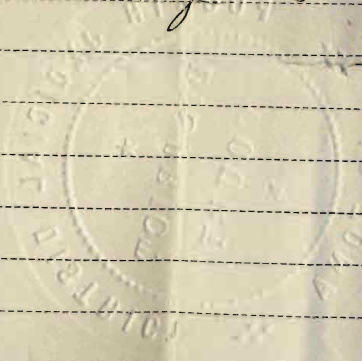
FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

BOOK 1327

I, M. James B. Girard & Park W. Rotimus, United States Deputy Surveyor, do solemnly swear that in pursuance of a contract received from Hugh H. Price, United States Surveyor-General for Arizona, bearing date of the 30th

day of June, 1902, I have well, faithfully, and truly, in ~~my~~ ^{our} own proper person, and in strict conformity with the instructions furnished by the United States Surveyor-General for Arizona, the Manual of Surveying Instructions, and the laws of the United

States, surveyed all those parts or portions of the 4th Standard Parallel North, through Ranges 5, 6, 7 and a portion of 8 East



of the Gila and Salt River Base and Meridian, in the Territory of Arizona, as are represented in the foregoing field notes as having been surveyed by ~~me~~ ^{us} and under ~~my~~ ^{our} direction; and ~~I~~ ^{we} do further solemnly swear that all the corners of said survey have been established and perpetu-

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ated in strict accordance with the Manual of Surveying Instructions, the special instructions of the United States Surveyor-General for Arizona, and in the specific manner described in the field notes, and that the foregoing are the TRUE field notes of such survey; and should any fraud be detected ^{we} will suffer the penalty of perjury, under the provisions of an act of Congress approved August 8, 1846.

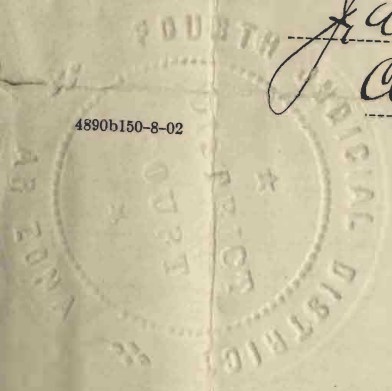
James B. Girard
Park W. Latimer

U. S. Deputy Surveyor.

Subscribed and sworn to before me this 10th day
of December, 1902

Jan Watts
Clerk U.S. Dist Court

4890b150-8-02



BOOK 1327

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Office of U. S. Surveyor General,
Phoenix, Arizona, Apr. 14, 1903.

The foregoing field notes of the sur-
vey of the 4° Standard Parallel N
through Rs. 5-6-7 & part of 8 E,

and Salt River Base and Meridian, in
Arizona, executed by *James B. Girard &*
Park H. Latimer

Deputy Surveyors under Contract No
dated *June 30-1902*, *Spec Ins of Aug. 5/02*, having been

critically examined, the necessary cor-
rections and explanations made, the said
field notes and the surveys they des-
cribe are hereby approved.

[Signature]
U. S. Surveyor General, for
District of Arizona.