

1693

WEST 9th SOUTH BOOK 1693
BOUNDARIES

FRAG. T. 28 N, R 4 VV, GIRAND
-vv>ard<-

FRAG. W Boundary of T. 27 N. R. W
GIRAND

4-671

BOOK 1693

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FIELD NOTES
GENERAL LAND OFFICE.

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Field Notes.

Of the Survey of the West
and South Boundaries of
Township No 28 North
Range No. 4 West and
the West boundary of
fractional township No 27
North range No 4 West
of the Gila and Salt River
Base and Meridian in the
Territory of Arizona. as
surveyed by James B -
Grand U.S. Deputy Surveyor
Under his contract No 74
Dated June 13th 1900.

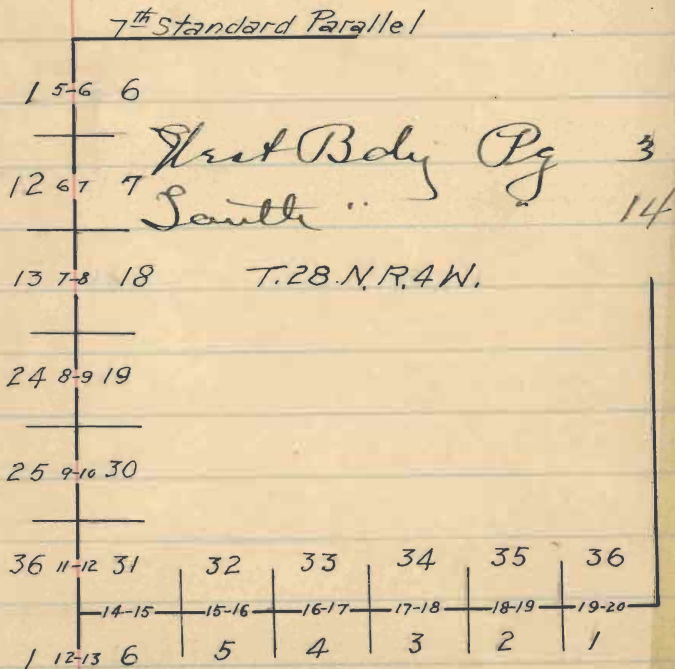
Survey commenced Oct 10th 1900

Survey completed Oct 12th 1900

Names and duties of assistants

John A Randall	Chairman
W ^m N Lockridge	Chairman
Amos Adams	Moundman
E. D. Stafford	Moundman
Chas H Wolf	Armer
Russell Stone	Armer
P. W. Lattimer	Flagman.

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27/4

West Boundary of Twp. 28 N., R. 4 W.

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At 8.32 Chains E of Standard corner of Twp. 29 N. R. 4 & 5 West, which is a limestone 15 x 6 - 6 ins above ground marked and witnessed as described by the Surveyor General, I establish the closing corner of Twp. 28 N. R. 4 & 5 West which is a limestone 20 x 12 x 5 ins, 12 ins in ground marked C.C. 28 N on S. 4 W on E & 5 W on W faces with 6 notches on S. E. & W edges Dig pits 30 x 24 x 12 ins crosswise on each line E. & W, 4 ft. and S of stone 8 ft dist. and raise a mound of earth 5 ft base 2 1/2 ft high, S. of corner.

Oct 10th 1900 at 7^{1/2} P.M. l.m.t
I observe Polaris when at its greatest Eastern elongation.

West Boundary of Tp. 2 S R. 24 W

Chains,

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in accordance with Manual of instructions and mark a point in line thus determined on a rock 5.00 chains N. of instrument,

Oct 10th 1900Oct 11th 1900 at 8^h 30^m AM. Lmt.

I set off $6^{\circ}59'30''$ on my dial arc and $54^{\circ}11'$ for my elevation and determine a true meridian with the Solar and mark a point in line thus determined by marking a point on a rock 5.00 chains N. of instrument; I then lay off the azimuth of Polaris $1^{\circ}31'N$. from line determined by last night's observation, and find that the line coincides with my meridian.

West Boundary of Tp. 28 N. R. 4 W. ⁵

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Chains.

Variation of the needle when reduced by table on page 100 of manual, at the closing corner of Tp. 28 N. R. 4 W. is $14^{\circ}42' E$

Thence Run.

40.00 South - between secs 1 & 6 through dense undergrowth Set a limestone $18 \times 5 \times 4$ ins 12 ins in ground for $\frac{1}{4}$ sec corner marked $\frac{1}{4}$ on W face, dig pits $18 \times 18 \times 12$ ins N. & S of cor 3 ft dist and raised a mound of earth $3\frac{1}{2}$ ft base $1\frac{1}{2}$ ft high W of corner.

80.00 Set a limestone $16 \times 8 \times 5$ ins 10 ins in the ground for cor of secs 1, 6, 7 & 12 marked with 5 notches on S. and 1 on N edge, dig pits,

⁶ West Boundary of Tp 28 N, R. 4 W.

Chains

BOOK 1693 8 x 18 x 12 ins in each sec

5 1/2 ft dist and raised a mound of earth 4 ft base 2 ft high West of corner.

Hand rolling

Soil gravelly 3rd rate.

No Timber.

Dense undergrowth of Chico
bush 80.00 chains.

40.00 South, between Secs 7 + 12
through dense undergrowth
Set a limestone 24 x 9 x 5 ins
partly in ground and supported
by mound of stone, for 1/4 sec
corner. marked 1/4 on W face
raised a mound of stone 2
ft base 1 1/2 ft high W of
corner pits impracticable,

80.00 Set a limestone 14 x 9 x 6
ins 10 ins in ground for

West Boundary of T. 28 N. R. 4 W. ⁷

Chains

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cor of secs 7, 12, 13 + 18, marked
with 4 notches on S and 2 on N
edges. Dug pits 18x18x12 ins
in each sec 5 1/2 ft dist and
raised a mound of earth 4 ft
base 2 ft high W of corner.
Land rolling
Soil gravelly 3rd rate,
No Timber
Dense undergrowth Chico
bush 80.00 Chains.

40.00

South, between Secs 13 + 18
through dense undergrowth
Set a limestone 17x6x4 ins
12 ins in ground for 1/4 sec cor
marked 1/4 on W face, dug
pits 18x18x12 ins N + S of cor
3 ft dist and raise a mound
of earth 3 1/2 ft base 1 1/2
ft high W of corner

8 West Boundary of Tp 28 NR 4 W.

Chains.

80.00 Set a limestone $16 \times 8 \times 8$ ins

BOOK 1693

10 ins in ground for cor
of sec 13, 18, 19 + 24 marked
with 3 notches on N. + S. edges
dug pits - $18 \times 18 \times 12$ ins 2 in
each sec $5\frac{1}{2}$ ft dist and
raised a mound of earth
4 ft base 2 ft high W
of corner.

Land rolling

Soil gravelly 3rd rate.

No Timber.

Dense undergrowth of chie

bush 80.00 Chains.

40.00 South between sec 19 + 24
through dense undergrowth
Set a limestone $18 \times 7 \times 5$ ins
12 ins in the ground for $\frac{1}{4}$
sec corner marked $\frac{1}{4}$ in
W. face dug pits 18×18

West Boundary of Sp 28 N R 4 W⁹

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Chains.

x 12 ins N. & S. of cor 3 ft dist
and raised a mound of earth
3 1/2 ft base 1 1/2 ft high N. of cor.

80.00

Set a limestone 18 x 9 x 8 ins
12 ins in the ground for cor. of
sec 19, 24, 25 + 30 marked
with 2 notches on S and 4 on
N. edges, dug pits 18 x 18 x 12
ins in each sec 5 1/2 ft dist
and raised a mound of earth
4 ft base 2 ft high N. of cor.

Land rolling.

Soil gravelly 3rd rate.

No Timber.

Dense undergrowth of chieft
brush 80.00 chains.

Spent between sec 25 + 30
through dense undergrowth

40.00

Set a limestone 20 x 6 x 4 ins.
12 ins in the ground for 1/4 sec

West Boundary of Sp 28 N R. 4 W.

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Cor. marked 1/4 on N face
Dug pits 18x18x12 ins N + S
of cor 3 ft dist and raised a
mound of earth 3 1/2 ft base
1 1/2 ft high N. of corner.

→
80.00

Set a limestone 18x9x5 ins
12 ins in the ground for cor
of sec 25, 30, 31 + 36 marked
with 1 notch on S and 5 on
N. edges. Dug pits 18x18x
12 ins. in each sec 5 1/2 ft
dist and raised a mound of
earth 4 ft base 2 ft high
West of corner.

Land hole

Soil gravelly + sandy 3rd rate,
No Timber.

Dense undergrowth Chic
brush 80.00 chains.

West Boundary of Sp. 28 N. R. 4' 18. ¹¹

Chains,

BOOK 1693

40.00

South between Sec 31 & 36
through dense undergrowth
Set a limestone $20 \times 6 \times 4$ ins
14 ins in the ground for $\frac{1}{4}$ sec
cor. marked $\frac{1}{4}$ on N face
Dig pits $18 \times 18 \times 12$ ins N &
S of cor 3 ft dist and raise
a mound of earth $3\frac{1}{2}$ ft base
 $1\frac{1}{2}$ ft high N of corner.

80.00

Set a limestone $16 \times 12 \times 10$ ins
10 ins in ground for cor of
Sp. 27 & 28 N. R. 4 & 5 N.
marked 28 N on N.E. 4 N on
S.E. 27 N on S.W. 5 N on
N.W. face, with 6 notches on
N.E. & W. edges Dig pits
 $24 \times 24 \times 12$ ins on each line
N.E. & W 4 ft and S of stone
8 ft dist and raise a mound
of earth 5 ft base $2\frac{1}{2}$ ft high
South of corner.

West Boundary of tract Tp 27 N. R. 4 W. 13

South Boundary of Tp 28 N. R. 4 W.

Chains.

City impracticable

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→ Land rolling

Soil gravelly & loam 2nd & 3rd rate.

No Timber.

Dense undergrowth thick brush
80.00 chains.

Oct 11th 1900

From the corner of Tps 27
& 28 N. R. 3 & 4 West,
heretofore described. Run
West on a random line
along the South Boundary
of Tp 28 N. R. 4 W. setting
temp quarters and section
corners at intervals of 40 chains
at 476.74 chains intersect
line between Ranges 4 & 5
W. 49 lines N of the cor
of Tp 27 & 28 N. R. 4 & 5 W.
heretofore described. The falling
answere to a correction of 4

14 South Boundary of Sp 28 N, R. 4 W,

Chains

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36.74

minutes, or 8.16 lines & per
mile counting from S.E.
corner of Sp. Therefore I run.

N $89^{\circ}56'$ E between Secs 6 & 31
through dense undergrowth
hit a limestone $18 \times 8 \times 3$ ins.

12 ins in ground for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on N. face. dug pits
 $18 \times 18 \times 12$ ins E. & W. of corner.

3 ft dist and raised a mound
of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft high
N. of corner.

76.74

hit a limestone $17 \times 10 \times 5$ ins, 12 ins
in ground for corner of sec
5-6, 31 & 32 marked with 5 notches
on E & 1 notch on N, edges.

Dug pits $18 \times 18 \times 12$ ins in each
sec $5\frac{1}{2}$ ft dist and raised
a mound of earth 4 ft base 2 ft
high N of corner.



Land rolling.

South Boundary of T₂₈ N. R. 4 W.

Chains,

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Soil gravelly loam 2nd & 3rd rate.
 No Timber,
 Dense undergrowth chis brush
 46.74 chains,

40.00 N 89° 56' E between Secs 5 & 32
 through dense undergrowth.
 Set a limestone 16 x 6 x 5 ins. 10 ins
 in the ground for 1/4 sec cor.
 marked 1/4 on N face. dug pits
 18 x 18 x 12 ins E. & W. of cor. 3 ft
 dist and raised a mound of
 earth 3 1/2 ft base 1 1/2 ft high
 N. of corner.

80.00 Set a limestone 18 x 12 x 4 ins -
 1/2 in in ground for cor of sec 4,
 5, 32 & 33, marked with 4 notches
 on E & 2 on N edge. Dug pits
 18 x 18 x 12 ins in each sec 5 1/2 ft
 dist and raise a mound of
 earth 4 ft base 2 ft high

16 South Boundary of T. 28 N. R. 4 W.

Chains,
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N of corner.

Land level

Soil gravelly 3rd rate.

No Timber.

Dense undergrowth chico brush

80.00 Chains,

40.00

N 89° 56' E between Sec 4 + 33
through dense undergrowth.

Set a limestone 18 x 8 x 4 ins

12 ins in ground for 1/4 sec

corner, marked 1/4 on N

face, dug pits 18 x 18 x 12 ins

E. + W. of cor 3 ft dist and
raised a mound of earth 3 1/2
ft base 1 1/2 ft high N of
corner.

80.00

Set a limestone 15 x 8 x 7 ins

10 ins in the ground for cor

of sec 3, 4, 33 + 34, marked

3 notches on E. + W. edges

South Boundary of Tp. 28 N R. 4 W.

Chains,

BOOK 1693

Dug pits 18x18x12 ins on each
sec 5 1/2 ft dist and raised
a mound of earth 4 ft base
2 ft high N of corner.

Land level

Soil gravelly 3rd rate.

No timber.

Dense undergrowth chick
brush 80.00 chains.

N. 89°56' E between Secs 34 & 34
40.00 through dense undergrowth
Set a limestone 18x6x4 ins.

12 ins in the ground for 1/4
sec cor, marked 1/4 on N
face. dug pits 18x18x12
ins E. + W. of cor 3 ft dist
and raised a mound of
earth 3 1/2 ft base 1 1/2 ft
high N of corner.

80.00 Set a limestone 15x8x7 ins

15 South Boundary of Sp. 28 N. R. 47

Chains.

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10 ins in the ground for
cor of secs 2, 3, 34 + 35 -
marked with 2 notches
on E and 4 on N edges
Dug pits 18x18x12 ins in
each sec 5 1/2 ft dist and
raised a mound of earth 4
ft base 2 ft high N. of cor
Land level

Soil gravelly loam 2nd + 3rd row
No Timber.

Dense undergrowth chick
brush 80,000 chains.

6.81 N 89° 56' E between sec 2 + 3
through dense undergrowth
Cross road. br N 15° W.

40.00 Set a limestone 16x9x8
ins. 10 ins in the ground
for 1/4 sec cor. marked 1/4
on N. face, dug pits,

South Boundary Sp. 28 N.R. 4 W. ¹⁹

Chains.

BOOK 1693

18X18X12 ins E. & W. of cor 3 ft
dist and raised a mound of
earth $3\frac{1}{2}$ ft base $1\frac{1}{2}$ ft
high N. of corner.

80.00 Set a limestone 18X8X8 ins.
12 ins in the ground for cor
of sec 1, 2, 35 & 36. marked
with 1 notch on E and
5 notches on W edges. Dig
pits 18X18X12 ins in each
sec $5\frac{1}{2}$ ft dist and raise
a mound of earth 4 ft base
2 ft high W of corner.

Land rolling.

Soil gravelly & sandy 3rd rate.

No Timber

Dense undergrowth Chic
brush 80.00 chains

N $89^{\circ}56'E$ between sec 1 & 36
through dense undergrowth.

South Boundary of Tps. 28 N. R. 4 W.

Chains.

40.00 Set a limestone $18 \times 6 \times 4$
 ins 10 ins in the ground for
 $\frac{1}{4}$ sec corner, marked
 $\frac{1}{4}$ on N face, dug pits
 $18 \times 18 \times 12$ ins E & W of cor 3 ft
 dist and raised a mound
 of earth $3\frac{1}{2}$ ft base $1\frac{1}{2}$ ft
 high N of corner.

80.00 The cor of Tps. 27 & 28 N
 R. 3 & 4 West.

Land rolling & hilly.

Soil, sandy gravelly & rocky 3rd
 and 4th rate.

No Timber.

Dense undergrowth chips
 brush 80.00 chains.

Oct 12th 1900

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General Description.

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This township is rolling
covered with a dense
undergrowth of chic
brush. Some grass exists
in the central sections.
No timber. No water.
The Southeastern sections
if water could be obtained
would be available for
agricultural purposes.
No settlers —

J. B. Girard
U.S. Deputy Surveyor.

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Boundaries of Township

Latitudes, Departures

Line designated	True bearing
7 th Standard Parallel	West
E. bdy Tp 28 N R 4 W	North
S " " " " " "	N 89° 56' E
W " " " " " "	South
Convergency	

28 North Range H. N.
and closing error.

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Distance	Latitudes		Departures	
	N	S	E	W
477.92				477.92
480.00	480.00			
476.74	⁵⁶ .49		476.74	
480.00		480.00		
				.527
	⁵⁶ 480.49	480.00	476.74	478.447
	480.00			476.74
Error in Lat	.49 ⁵⁶		Error in Dep.	1.707

A P P R O V A L.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL

Tucson, Arizona.

Dec 18, 1900.

The foregoing field notes of the survey of The West² of South Boundaries
of Trac. T. 28 N. R. 4 W. and
Trac. in Bdy. of T. 27 N. R. 4 W.
 executed by James B. Huron
 under his contract No. 72 dated June
13, 1900, having been critically
 examined, and the necessary corrections
 and explanations made, the said field
 notes, and the surveys they describe,
 are hereby approved.

U. S. Surveyor General for Arizona.