

1708

WEST ^{AND} SOUTH

BOUNDARIES

BOOK 1708

T. 28 N. R. 2 W

AND

W. FRAG. Bdy. T. 27 N R 2 W.

GIRAND

4-671

1708

FIELD NOTES
GENERAL LAND OFFICE.

1708

BOOK 1708

"D" 1708

BOOK 1708

- Field Notes -

- Of the Survey of the West
and Salt boundaries, of Township
No. 28 North Range No. 2 West
and the West boundary of
fractional Township No. 27 North
Range 2 West, of the Gila
and Salt River Base and
Meridian, in the Territory of
Arizona, as surveyed by
James B. Girard U.S.
Deputy Surveyor. Under his
Contract No. 74, dated
June 13th, 1900.

Survey commenced Sept 4th 1900

Survey completed Sept 7th 1900

2 Names and duties of Assistants.

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

BOOK 1708

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7th Stand. Parallel

1 5-6 6

12 6-7 7

13 7-8 18

24 8-9 19

25 9-10 30

36 10-11 31

32

33

34

35

36

12-13-14

14-15

15-16

16-17

17-18

18-19

1 11-12 6

5

4

3

2

1

T 28 N R 2 W

27/2

West boundary of Tp 28 N R. 2, W. ³

BOOK 1708

At 4.16 chains East of
Standard Cor of Tps 29 N.
Rs 2 + 3 N. which is a
stone 12 x 10 x 8 ins above ground
marked and witnessed as
described by the Surveyor
General. I establish the
Closing corner of Tp 28 N.
Rs 2 + 3 N. which consists
of a limestone 30 x 12 x 6 ins
16 ins in the ground, marked
C. C. 28 N on S. 2 N on E.
3 N on W face. 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 dit. and raised a
mound of earth 5 ft base 2 1/2
ft high South of cor.

Sept 4th at 9th P.M. cont.

I observe Polaris when at its greatest Eastern elongation. In accordance with Manual of Instructions, and mark a point in line thus determined on a rock 5.00 chains N of Instrument.

Sept 4th 1900

Sept 5th 1900 at 7^{hr} am cont. I lay off the azimuth of Polaris $1^{\circ}31'$ to the N. and drive a stake in ground with point marked on it on the line thus determined 5.00 chains N of my inst. I set off on my decl. arc and $54^{\circ}11'$ for my co-latitude and determine a true meridian with the solar, & find that the meridian coincides with the previously established one.

West Boundary of Sp. 28 N. R. 27 E.

5

Chains.

BOOK 1708

x Conduct ^{Ch.} 4.16

Three I run

40.00 ^{South} ~~Through dense underbrush~~ bit sec 1 x 6
Set a limestone 18 x 7 x 9 ins

12 ins in the ground for $\frac{1}{4}$ sec corner, marked $\frac{1}{4}$ on W face. Dig pits 18 x 18 x 12 ins. N x S. 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 24 x 8 x 8 ins

14 ins in the ground for cor of sec. 1, 6, 7 x 12. Marked with 5 notches on S and 1 notch on N edge. Dig pits 18 x 18 x 12 ins in each sec 5 $\frac{1}{2}$ ft dist and raise a mound of earth 4 ft base 2 ft high N of corner.

Land rolling.

Soil gravelly 3rd rate.

6. West Boundary of Tp 28 N R 2 W.
BOOK 1708

Chains.

No Timber

Dense undergrowth chic's brush 80 chns.

- 40.00 South between Secs 7 & 12
through dense brush
Set a limestone $16 \times 7 \times 6$ ins
10 ins in the ground for $\frac{1}{4}$ sec
Cor. marked $\frac{1}{4}$ on W face
dig pits $18 \times 18 \times 12$ ins N & S
and 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 $16 \times 12 \times 4$ ins
12 ins in the ground for cor of
secs. 7, 12, 13 & 18 marked with
4 notches on S. and 2 notches
on N edges. Dig pits $18 \times 18 \times$
12 ins in each sec $5\frac{1}{2}$ ft dist
and raise a mound of earth
4 ft base 2 ft high N of Cor.
Land rolling

West Boundary of Tp 28 N R 2 W. ⁷

Chairs.

BOOK 1708

Soil gravelly 3rd rate.

No timber.

Dense undergrowth of Chic
brush. 80.00 Chairs

40.00 Set a limestone 16x7x5 ins. 10 ins

Set between sec 13 & 18,
through dense brush

in the ground for $\frac{1}{4}$ sec cor.
marked $\frac{1}{4}$ on W face. Dig
pits 18x18x12 ins N & S and
3 ft dist and raise a mound
of earth 3 $\frac{1}{2}$ ft base $\frac{1}{2}$ ft
high W of corner.

80.00 Set a limestone 16x12x4 ins. 10
ins in the ground for cor of
secs 13, 18, 19 & 24. marked
with 3 notches on S and
3 notches on N edges. Dig
pits 18x18x12 ins in each sec
5 $\frac{1}{2}$ ft dist. and raise a mound

West Boundary of Sp 2871 R 27N

Chains BOOK 1708

of earth 4 ft base 2 ft high
W. of cor.

Land rolling -

Soil rocky 3rd rate,

No timber.

Dense undergrowth chico 80.00 Chms

- Spout, between secs 19 & 24
through dense brush
- 40.00 Set a limestone 14x10x4 ins
10 ins in the ground for $\frac{1}{4}$ sec
cor. marked $\frac{1}{4}$ on W face
Dig pits 18x18x12 ins N. & S.
and 3 ft dist. and raise a
mound of earth 3 $\frac{1}{2}$ ft base
1 $\frac{1}{2}$ ft high W of corner.
- 51.00 Summit of high hill.
- 80.00 Set a limestone 20x6x6 ins.
12 ins in ground for cor of secs
19, 24, 25 & 30 marked with 2
notches on S and 4 notches

West boundary of Tp 28 N R. 2 W. ⁹

Chains.

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on N. edge, raise a mound
of stone 2 ft base 1 1/2 ft high

W. of cor. pits impracticable

Land rolling.

Soil rocky 4th rate.

No Timber.

Dense undergrowth of alders 80.00 Chns
Sept 5th 1900

South, between secs 25 + 30,
through dense brush

40.00 Set a limestone 18 x 6 x 8 ins. 12 ins

in ground for 1/4 sec. marked

1/4 on W face. Dig pits 18 x 18 x 12 ins

N. & S. of cor and 3 ft dist. and

raise a mound of earth 3 1/2

ft base 1 1/2 ft high W. of Cor.

80.00 Set a limestone 20 x 8 x 6 ins. 12 ins

in the ground for cor of secs.

25, 30, 31 + 36. Marked with 1 notch

on S and 3 notches on N edge.

Dig pits 18 x 18 x 12 ins in

10 West Boundary + Sp. 28 N. R. 2 W.

Chains BOOK 1708

each sec. $5\frac{1}{2}$ ft dist and
raise a mound of earth 4 ft
base 2 ft high N. of cor.

Land rolling.

Soil gravelly 3rd rate.

No timber.

Dense undergrowth of Chic. brush 80 chains

Spaced between secs 31 + 36
through dense brush

40.00 Set a limestone $24 \times 9 \times 3$ 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. and 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 $26 \times 8 \times 9$ ins 15 ins

in ground for cor of Sp. 27 + 28

N. R. 2 + 3 W. Marked T28 N on N.E.

T27 N on S.W. 2 W on E. 3 W on N. face

West Boundary of Tp 28 N R 34 W. "

West Boundary of Sect. 27 N, R, 34 W.

Chains

BOOK 1708

with 6 notches on N.S. & W
edges, Raise a mound of rock
2 ft base 1 1/2 ft high South of
corner. Pits impractical

Land hilly

Soil vary 4 $\frac{1}{2}$ rate.

No timber.

Dense undergrowth of chies

bush 80.00 Chains.

South between sec 1 & 6
through dense brush

40.00

Set a red sandstone 24 X 8 X 4
ins. 14 ins in the ground for 1/4

sec. cor. marked 1/4 on W face

Dig pits 18 X 18 X 12 ins 7.50 X 3 ft
dia and raise a mound of earth
3 1/2 ft base 1 1/2 ft high W of cor.

80.00

Set a limestone 24 X 10 X 6 ins

14 ins in ground for cor of sec

1.6. 7 + 12, marked with 5 notches

¹² West Boundary of Part Tp 27N R2W

Chains.

BOOK 1708

on S and 1 notch on N edges
Dig pits 18 x 18 x 12 ins in each sec
5 1/2 ft dia and raise a mound of
earth 4 ft base 2 ft high top of cor
Land hilly.
Soil gravelly 3rd rate.
No Timber.
Dense undergrowth chico brush 80 Chms

From the Cor of Tps 27 & 28 N
R. 2 W. hereofon described
I run West on a random
line along the South boundary
of Tp 28 N, R. 2 W. Setting
temporary quarter and section
corners. at intervals of 40 chains
and at 478.42 chains
intersect line between Ranges
2 & 3 W. 84 links N of the
Cor of Tps 27 & 28 N R. 2

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South Boundary of Sp. 28 N. R. 2. W.

Claims.

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27 & 3 W. heretofore described,
The falling answer to a
correction of six minutes or
14 links South per mile.

Counting from S.E. cor of Sp.
Therefore I run.

N 89° 54' E between secs
6 & 31 - through dense brush

38.42 Set a limestone 30 x 8 x 4 ins 16 ins
in the ground for $\frac{1}{4}$ sec cor.
marked $\frac{1}{4}$ on N face. Raise a
mound of stone 2 ft base 1 $\frac{1}{2}$ ft
high N of cor. Pits impracticable

78.42 Set a limestone 16 x 10 x 8 ins
10 ins in the ground for cor
of secs 5, 6, 31 & 32. marked
with 5 notches on East and
1 notch on W edges. Dig pits
18 x 18 x 12 ins in each sec 5 $\frac{1}{2}$
ft dia and raise a mound

South Boundary of Tp 28N R 2W.

Chains. BOOK 1708

of earth 4 ft base 2 ft high
W of corner.

Land lilly-

Soil gravelly 3rd rate.

No Timber.

Dense undergrowth of chico 78.42 Chns

1.50 N. 89° 54' E. bet sec 5 & 32
through dense brush
Summit of hill.

24.50 Draw Curve N 30° E.

40.00 Summit of Hill. Set a limestone
16 x 10 x 6 ins 10 ins in the ground
for 1/4 sec cor. marked 1/4 on
N face. Dig pit E. & W. and
3 ft dist. 18 x 18 x 12 ins. and
raise a mound of earth 3 1/2 ft
base 1 1/2 ft high N of corner.

80.00 Set a limestone 24 x 8 x 4 ins. 16
ins in the ground for cor of sec.
4, 6, 32 & 33 marked with 4

South Boundary of Sp. 28 N. R. 2 W.

BOOK 1708

Chains.

notches on E and 2 notches on W edges. Dig 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 N of corner.

Land rolling.

Soil gravelly 3rd rate.

No Timber.

Dense undergrowth of Choc 80 chrs.

N. 89° 54' E. between sec 4 & 33. through dense brush

10.00 Cross low course N 35° E.

40.00 Set a limestone 18 x 6 x 4 ins 12 ins in the ground for 1/4 sec cor. marked 1/4 on N face. Dig pits 18 x 18 x 12 ins E. & W. and 3 ft dist and raise a mound of earth 3 1/2 ft base 1 1/2 ft high, N of corner.

80.00 Set a limestone 16 x 8 x 4 ins. 10

South Boundary of Tp 28 N R. 27 W.

Chains-BOOK 1708

ins in the ground for cor of
secs. 3, 4, 33 & 34, marked with
3 notches on E & W edges,
Dig pits 18 X 18 X 12 ins in each
section 5 1/2 ft dist and raise
a mound of earth 4 ft
high 2 ft high N of cor.

Land rolling -

Soil gravelly 3rd rateDense undergrowth of chics 80 chains
Sept 6th 1900Sept 7th 1900 10.30 am. 1 mt.

I set off $6^{\circ} 04'$ on my decl arc
and $54^{\circ} 17'$ for my co latitude
and determine a true meridian
on the S boundary of the Tp at
the cor of secs 3, 4, 33 & 34. Then

I run N $89^{\circ} 54'$ E. bet secs
3 & 34 through dense brush

40.00 Set a limestone 20 X 5 X 6 ins, 12 ins

South Boundary of Tp 28 N R 2 W,

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in the ground for $\frac{1}{4}$ sec cor., marked
 $\frac{1}{4}$ in N face. Dig pits 18x18x12
ins E & W. and 3 ft dia and raise
a mound of earth $3\frac{1}{2}$ ft base
 $1\frac{1}{2}$ ft high N. of corner.

50.00 Set a limestone 16x8x8 ins, 10 ins
in the ground for cor of secs 2, 3, 34
& 35. marked with 4 notches on
N and 2 notches on E face. Dig
pits 18x18x12 ins in each sec $3\frac{1}{2}$
ft dia and raise a mound of
earth 4 ft base 2 ft high N of
corner.

Land rolling.

Soil gravelly & rocky. 3^{rd} & 4^{th} rate

No timber.

Dense undergrowth of chis 80 chains

N $89^{\circ} 54'$ E bet secs 2 & 35.
through dense brush.

40.00 Set a limestone 16x8x8 ins

South Boundary of Tp 28 N R 2 W.

Chains

BOOK 1708

10 ins in the ground for $\frac{1}{4}$ sec cor
 marked $\frac{1}{4}$ on N face. Dig pits
 18 X 18 X 12 ins E & W and 3 ft dist
 and raise a mound of earth $3\frac{1}{2}$ ft
 base $1\frac{1}{2}$ ft high N of cor.

80.00 Set a limestone 20 X 7 X 3 ins
 12 ins in the ground for the cor
 of sec 1, 2, 35 & 36 marked with
 1 notch on E and 5 notches on
 N. edges. Dig pits 18 X 18 X 12 ins
 in each sec, $5\frac{1}{2}$ ft dist and
 raise a mound of earth 4 ft base
 2 ft high W of cor.

Land very hilly

Soil rocky 4th rate.

No timber.

Dense undergrowth of chics 80 chains

N. $89^{\circ}54'$ E but sec 1 & 36
 over mountainous land, through
 dense brush
 Cross course N 20° E.

17.00

South boundary of Tps 28 N R 2 W. ¹⁹

Chains

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22.00 N. break of Cataract Cañon.

25.00 Bottom of Cataract Cañon, 120 ft deep
Course. North.

37.00 E bank of Cataract

40.00 Set a limestone $20 \times 6 \times 4$ ins 10
ins in the ground for $\frac{1}{4}$ sec cor
marked $\frac{1}{4}$ in N face. Dig pits
 $18 \times 18 \times 12$ ins E & W and 3 ft dist
and raise a mound of earth $3\frac{1}{2}$ ft
base $1\frac{1}{2}$ ft high N of cor.

47.00 Extreme E bank of Cataract Cañon

80.00 The cor of Tps 27 & 28 N R 1 & 2
West.

Land Mountainous.

Soil rocky 4th rate.

No Timber.

Mountainous land and dense
undergrowth of chin brush 80 chains

Line designated	True bearing
4 th Standard Parallel	West
E. boundary T. 28 R. 2 W.	North
S " " " "	N 89° 54' E
W " " " "	South
Convergence	

This township is rolling except in the extreme South Eastern portion where Cataract Canon touches it.

No timber with exception of scattering scrub cedar thickets in Sec 1 & 2,
No water - No grass.

The soil is gravelly and rocky, and unfit for

28 N. R. 2. W.
and closing errors

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Distances	Latitudes		Departures	
	N.	S.	E.	W.
477.92				477.92
480.00	480.00			
478.42	.84		478.42	
480.00		480.00		
				.527
480.84	480.00		478.42	478.447
480.00			478.42	478.42
	.84 Error in Lat.		Error in dep. .027	

agricultural purpose. The whole township is covered with a dense undergrowth of chic brush. There are no settlers.

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

BOOK 1708

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 West & South Boundaries
of T. 28 N. R. 2 W. & Sec. 2
the Sdy. of T. 27 N. R. 2 W.
executed by Grand

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.

George Christ

U. S. Surveyor General for Arizona.