

17051

WEST & SOUTH Boundaries

T. 28 N R 1 W

~~WYANDOTTE~~

BOOK 1705

Fractional T. 27 N R 1 W

4-671

WYANDOTTE, D.S.

FIELD NOTES

GENERAL LAND OFFICE.

1705

17051

"A" 1705

BOOK 1705

Field Notes
of the

Survey of the West and South
Boundaries of Township No 28 North
Range N^o 1 West, and the West Boundary
of fractional Township N^o 27
North Range N^o 1 west. of the
Gila and Salt River Base and
Meridian. In the Territory of
Arizona, as surveyed by James
B. Giraud, U. S. Deputy Surveyor
under his contract N^o 74 dated
June 13th 1900 -

Survey commenced Aug 3rd 1900
Survey completed Aug 6th 1900

<u>Name and duties of assistants</u>	
John A Randall	Chairman
Wm H Lockridge	Chairman
Amos Adams	Mountman
E. D. Stafford	Mountman
Charles Wolf	Axeman
P. W. Lattimer	Flag man
Russell Stor	Axeman
Index	

7th Standard Parallel North

1 6-7 6

12 7-8-9 7

13 9-10 18

24 10-11-12 19

25 12-13 30

36 13-14 31

1 15-16 6

BOOK 1705

T. 28 N. R. 1 W.

32

33

34

35

36

5

4

3

2

1

T. 27 N. R. 1 W.

Gill & Salt River Meridian

Preliminary Oaths of Assistants.

We, John A. Randall and
and W^m H. Lockridge
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 and South
Boundaries of Sps. 28 N. R. 5. 1, 2, 3 & 4, West
and the N. bdy. of said sp. 27 N. R. 5. 1, 2, 3 & 4, W.
and the South Bdy. of Sp. 28 N R 1 E.

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

John A. Randall Chainman.
W. H. Lockridge Chainman.
Chainman.

Chairman.

Subscribed and sworn before me, this first
day of August A.D. 1900
189

Henry F. Schmitz

Notary Public.

My Commission expires June 1, 1901.

[SEAL.]

BOOK 100
We, Amos Adams, E.O. Stafford, P.W. Lattimer 2B

Chas. Wolf & Russell Stone,

do solemnly swear that we will well and truly per-
form the duties of Surveyors and

Axemen,

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
and South boundaries of S.P. 28 N., R.s. 12, 3, & 4 West
and the w. bdy. of fractl S.P. 27 N., R.s.
1, 2, 3 & 4 West, and the south bdy. of
S.P. 28 N., R. 1 E.

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

Amos Adams

E.O. Stafford

P.W. Lattimer

Chas. H. Wolf

Russell Stone

First

Subscribed and sworn to before me this

day of August 1890

Henry Debnest
Notary Public.

My Commission expires June 1, 1901.

West Boundary T. 28 N. R. 1 W.

Lans Survey commenced Aug 3rd 1900
and executed with an A. Litz
Compound Mining and Solar Transit
No 902, with Saegmuller Solar
attachment. The horizontal limb
is provided with two double vernier
placed opposite to each other
reading to single minutes of arc,
which is also the least count
of vertical arc. Instrument was
examined, tested on the true
meridian at Tucson, found
correct, and was approved by
the Surveyor General for Arizona
July 21st 1900 —

I examined all the adjustments
of the transit, find them correct.
Then test the Solar apparatus
by comparing its indications, resulting
from solar observations

West Boundary T. 28 N. R. 1 W.

Chains

made during O.W. and P.M. hours
with a true meridian determined
by observations on Polaris. I
proceed as follows -

Aug 2nd, 1900. At 2.08 Chains

East of Standard Corner, of
Tps. 29 N. Rs 1 and 2 west.

Latitude $35^{\circ} 49' N$. - longitude -

At $4\frac{1}{2}$ - 6^m p.m.l. m.t. I set off
 $17^{\circ} 4' 3''$ for my destination and

$54^{\circ} 11'$ for my Co latitude (these
settings being the most practical
to the true minutes and fractions
thereof required); determine with
the solar a true meridian;

and mark a point on a

stone 5.00 chains ^W of my inst-

at $9\frac{1}{2}$ - 47^m P.M. l.m.t. I observe

Polaris when at its eastern elonga-
tion, in accordance with

West Boundary T. 28 N. R. 1. W.

chains

Manual of Instructions, and
mark a point in line thus
determined on a rock 5.00
chains North of inst-

August 2nd 1900

Aug 3rd 1900 at 7^h-00^m A.M. l.m.t.

I lay off the azimuth of Polaris
 $1^{\circ} 31'$ to the west and find that
the true meridian thus determined
coincides with the one determined
with the solar on the day previous.
at 8^h-05^m am. l.m.t. I set off
 $17^{\circ} 32' 30''$ on the declination arc
and $54^{\circ} 11'$ for my colatitude
and find that the meridian so-
established coincides with the
previously established ones -

The magnetic bearing of the
true meridian at 8 am is

West Boundary T. 28 N. R. 1 W.

Claims

BOOK 1705

N $14^{\circ} 40' W$, which reduced
by table on page 100 gives the
mean mag. decl $14^{\circ} 45' E$.

I begin at the closing
corner of Tp - 28 N R 1 W N
which I establish consisting
of a limestone $20 \times 12 \times 8$ ins
set 12 ins in ground and
CC 28 N on south face
1 W on East face. 2 W on
west face, with 6 notches
on S. E. & W faces, and
raise mound of stone 2 ft
base $1\frac{1}{2}$ ft high south of cor.
pits impactually -

Then I run

South bet Secs 1 & 6 over mountain
over mountain

40.00

Set a limestone $16 \times 12 \times 4$ ins
10 ins in ground. for $\frac{1}{4}$ sec Cor
and $\frac{1}{4}$ on W face, and

Chains

raise mound of stone 2 ft base
1½ ft high west of cor. pits
impractical

80.00 Set a limestone 26 x 6 x 4 in.
supported by mound of stone
for cor of secs. 1, 6, 7 & 12
marked with 1 notch on North
and 5 notches on South edges
raise a mound of stone
2 ft base 1½ ft high west
of cor.

Land Mountainous

Soil Stony 4th rate.

Trees, scattering scrub cedar
Mountainous land 80.00 chains.

South bet Secs 7 & 12 over
mountainous land. Strong L
scattering scrub cedar and dense
undergrowth

3.60

North bank of cañon

8 West Boundary T 28 N R 1 W.

BOOK 1705

Chains

- 5.80 Bottom of Canon 100 ft deep.
Course East.
- 7.60 South bank of Canon
- 35.00 Bottom of draw course $\pi 45^\circ E$,
- 40.00 Set a limestone $20 \times 8 \times 4$ 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. west of cor.
Pits impractical
- 71.00 Cross draw Course $\pi 60^\circ N$
- 80.00 Set a limestone $20 \times 5 \times 8$ ins
12 ins in the ground for cor
of secs 7, 12, 13, & 18 marked
with 2 notches on N and 4
notches on S. edges. Raise
mound of stone 2 ft base
 $1\frac{1}{2}$ ft high west of corner.
Pits impractical
- Land, Mountainous

Chains

Soil. Stony & ^{thick} rock
 Limestone, scattering scrub Cedars
 Mountain land 40.00 chain
 Dense Vegetation Chico 80.00 chain

South lot. Lots 13 + 18

30.00 North edge of brakes of Caliente
 Cañon.

40.00 Set a limestone $24 \times 12 \times 4$
 1/4 in in the ground for 1/4 sec
 Cor mottled 1/4 on west face
 dig pits $18 \times 18 \times 12$ ins. N & S
 of stone 3 ft dist. and raise
 mound of earth $3\frac{1}{2}$ ft base
 $1\frac{1}{2}$ ft high West of cor.

50.00 Cross draw course East.

58.00 Cross draw course East

80.00 Set a red sandstone $20 \times 15 \times 3$
 ins. 12 ins in ground for cor
 lots 13, 18, 19 + 24. Mapped 3

West Boundary T. 28 N. R. 1. W.

BOOK 1705

Chains

notches on N and 3 notches
on S. edges. none rounded
of stone 2 ft base 1 $\frac{1}{2}$ ft high
west of corner. Pet's impossible.
Corner is situated on East side
of Mesa Butte 200 ft high -
Land Mountains, soil stony
4th Rate. No timber.

Mountains land 80.00 Chains,
Aug 3rd 1900

Aug 4th 1900; At 8th 06^m am, first.
I set off 17° 17' on decl and
54° 14' for my col altitude -
determining a true meridian
with the solar. at the Con-
of Feb 13, 18, 19 & 24

True I run

South but skew 19° 24'

40.00 set a limestone 18x8x6 ins

West mountain
over land

West Boundary T. 28 N., R. 11 W. "

BOOK 1705

Claims

12 ins. in the ground for $\frac{1}{4}$ ac
cor. marked $\frac{1}{4}$ on West face -
dig pits $18 \times 18 \times 12$ ins. N & S
of stone 3 foot dist. and raise
a mound of earth $3\frac{1}{2}$ ft base
 $1\frac{1}{2}$ ft high West of cor -

55.00 North bank of Cañon -
58.00 Bottom of Cañon 100 ft deep. Comp. $545^{\circ} E.$

60.60 South bank of Cañon

77.50 West bank of Cataract Cañon

80.00 Set a limestone $28 \times 10 \times 8$ ins
on West bank of Cataract -
supported by mound of rock
for cor of sec. 19. 24, 25 & 30
marked with 4 notches on N
and 2 notches on S edges -
raise mound of stone 2 ft
base $1\frac{1}{2}$ ft high west of cor.
Land Mountainous.
Soil Rocky 4 $\frac{1}{2}$ rate.

12 Coast Boundary T. 28 N. R. 1 W.
BOOK 1705

Chains

No timber

Mountainous land 80 chains.

- South lot sides 25 + 30, ^{Over cuts}, land-
15.00 Bottom of Cataract Canon course
 $N 5^{\circ} E.$
- 20.00 Bottom of Cataract Canon
course $N 10^{\circ} W.$
- 26.00 Bottom of Cataract Canon 100 ft
deep course $N 60^{\circ} E.$
- 40.00 Set a limestone $20 \times 8 \times 4$ ins
supported by mound of stone per
 $\frac{1}{4}$ ac cor. mounded $\frac{1}{4}$ on West
face, and raise mound of
stone 2 ft base $1\frac{1}{2}$ ft high
rest of cor. Pts impracticable.
- 44.00 Bottom of Cataract Canon course
 $N 30^{\circ} W.$
- 60.00 Top of west bank of Cataract Canon
- 66.00 Top of North bank of Cataract Canon

Chains

72.00 Bottom of Cataract Canon Couse E
74.00 South bank of Cataract Canon
80.00 Set a limestone $24 \times 10 \times 6$ ins
14 ins in the ground for cor of
^{2 ft} sec. 24, 30, 31 & 36. marked
with 5 notches on N. and 1
notch on S edges. raise a
mound of stone 2 ft base
1 $\frac{1}{2}$ ft high west of cor.
Pits impracticable - Corner is
struck in bottom of draw
couse of which is N 45° E.

Land mountainous

Soil rocky 4 $\frac{1}{2}$ rate

No timber

Mountain land 80 chains

South but Secs 31 & 36 - Over Mts.
land, through dense undergrowth
set a limestone $24 \times 6 \times 6$ ins
6 ins in the ground and supported

14 West Boundary T 28 N. R. 1. W.
BOOK 1705

chain

by mound of stone - made $\frac{1}{4}$
on west face. raise mound
of stone west of cor 2 ft base
 $1\frac{1}{2}$ ft high - Pits impractical.
80.00 Set a limestone $18 \times 12 \times 6$ in
10 ins in the ground for cor
of Tps. 27 & 28 N. Rs 1 & 2
W. marked, T 28 N on N.E.,
T 27 N on S.W. R2 W on NW. & R
1 W on S.E. faces, with 6 notches
on each edge. dig pits
 $24 \times 24 \times 12$ ins on each line
on N.E. & W 4 ft dist and
8 of stone 8 ft dist, and
raise mound of earth 5 ft
base $2\frac{1}{2}$ ft high south of
cor.

Land Mountains. Soil gravelly
3rd Rate. No timber.

Mountains land & trees under 80

West Boundary T 28 N R 1 W

15-

West Boundary fractional Tp. 27 N R 1 W.

BOOK 1705

Chains

Chains -

August 4th 1900

August 5th 1900 - At 8^h 06^m am.
Lat. I set off $17^{\circ} 01'$ on
the decl. sec. $54^{\circ} 14'$ for my
latitude and determine a
true meridian with the solar
at the cor. of Tps. 27 & 28 N
Rs 1 & 2 W. Limestone described
then I run South lot
secs 1 & 6 over rolling land -
through fence where
Cross draw course west.

9.00

25.00

40.00

Cross draw course west.
Set limestone $22 \times 12 \times 4$ ins
 14 ins. in the ground for $\frac{1}{4}$ sec
cor. mounded $\frac{1}{4}$ on west face
dig pits $18 \times 18 \times 12$ ins. 7×5
of stone 3 ft dist. and raise
mound of north $3\frac{1}{2}$ ft base

16 West Boundary of tract from Tp 27 N R 1 W.
BOOK 1705

Claims.

43.50

1 1/2 ft high west of corner.

80.00

Cross draw course N 45° W

Set limestone 22 x 8 x 8 ins

12 ins in the ground for cor of

secs 1, 6, 7 & 12. mounted with

1 notch on N. and 5 notches

on S. edge. 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
west of cor.

Land rolling

Soil rocky 4th rate.

No timber -

Dense undergrowth Chico 80 Chico

South Boundary T. 28 N. R. 1 W. 17
BOOK 1705

Chains

From the Cr of T 27 & 28
N R's 1 E & W. which is a
limestone rock 8 x 8 x 6 ins
above ground, marked and
witnessed as described by
the Surveyor General -

Drew West on a random
line along the South boundary
of T 28 N R 1 W setting temp
quarter section and section
corners at intervals of 40
chains, and at 478.88 chains
intersect line between ranges
1 & 2 west 83 links South
of the corner of Tps 27 &
28 N R 1 & 2 W. which I
established Aug 4th 1900
The falling answers to a
correction of $\frac{6}{6}$ minutes or
13.83 links North per mile

18 South Boundary T. 28 N. R. 1 W.
BOOK 1705

Chains

counting from S.E. cor of Tp
Thruon I run S $89^{\circ} 54' E$
ft sec 6 + 31 over rolling
land, through dense undergrowth

21.00 Cross draw course N $25^{\circ} E$.

38.85 Deposit a marked stone

12 ins in the ground for $\frac{1}{4}$ sec
Marked $\frac{1}{4}$ on N. face
Cor., and dig pits 18 x 18 x
12 ins East and West of
Cor 4 ft dist, and raise a
mound of earth 3 $\frac{1}{2}$ ft high
1 $\frac{1}{2}$ ft high North over deposit
in East pit drop pine stbs
2 ft long 2 ins square 12 ins in
the ground marked $\frac{1}{4}$ S 31 on N
face 6 on S face

72.00 Cross draw course N $45^{\circ} E$

78.85 Set a limestone 22 x 10 x 3 ins
12 ins in the ground for Cor
of sec 5, 6 31 + 32. marked

chains

East -

with 5 notches on ~~west~~ and
1 notch on ~~East~~^{West} edge. dig
pits 18x18x12 ins in each
see 5 1/2 feet dist. and raise
a mound of earth 4 ft base
2 1/2 ft high west of cor.

Land raining

Soil gravelly 3rd rate

No timber.

78. 85

Dense undergrowth Chico ~~88~~ chain

8 89° 54' E lot secs 5 & 32
Through dense undergrowth -
Set a limestone 18x12x4 ins

12 ins in the ground for 1/4 sec
cor mowed 1/4 on N face. dig
pits 18x18x12 ins. E & W of
stone 3 ft dist. and raise
mound of earth 3 1/2 ft base
1 1/2 ft high North of cor

80.00 Set a limestone 18x12x6 in

20th South Boundary T 28 N R 1 W.
BOOK 1705

Chains

12 ins in the ground for cor
of Secs 4, 5, 32 & 33, marsh
4 notches on E, & 2 notches
on W edges. dig pits 18x18
x 12 ins in each sec 5 $\frac{1}{2}$ ft
dist. and raise mound of
1 earth 4 ft base 2 $\frac{1}{2}$ ft high
west of cor
Land level.
Soil gravelly 3 $\frac{1}{2}$ rate.
No timber
Dense undergrowth Chico 8000
Chains —

889° 54' E. bet Secs 4 & 33
Through dense undergrowth
Set a limestone 18x8x6 ins
12 ins in the ground for 1/4 sec cor
mound 1/4 on N face, dig pits
18x18x12 ins. E & W of stone
3 ft dist. raise mound of

South Boundary T. 28 N. R. 1 W.

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BOOK 1705

Chains

earth $3\frac{1}{2}$ ft base $1\frac{1}{2}$ ft high
North of corner.

65.35' Cross road curve N. & S.

80.00' Set a limestone $24 \times 10 \times 6$ ins
 14 ins in the ground for cor. of
secs 3, 4, 33 & 34, measured
3 notches on E & W edges
dig pits $18 \times 18 \times 12$ ins in each
sec. $5\frac{1}{2}$ ft apart and raised
mound of earth 4 ft base $2\frac{1}{4}$
high West of cor.

Level level.

Soil gravelly 3° rate

No timber

Dense undergrowth chick 80 chains
Aug 5th 1900

Aug 6th 1900 at $8^{\text{h}} 05^{\text{m}}$ A.M. I.M.T.
at the cor. of secs 3, 4, 33 & 34
I set off $16^{\circ} 44' 30''$ on the
decl. arc. and $54^{\circ} 1' 7''$ for

²² South Boundary T 28 N R 1 W.
BOOK 1705

Chain.

say co latitude - and determine
a true meridian with the
solar -

Then I run

- 8 89° 54' E. set secs 3 + 34
through dense undergrowth
Set a limestone 18 X 12 X 3 ins
12 ins in the ground for 1/4 sec
Cor. mostly $\frac{1}{4}$ or $\frac{1}{2}$ face, dig
pits 18 X 18 X 12 ins E. & W. of
stone 3 ft dist and raise
mound of earth $3\frac{1}{2}$ ft base
 $1\frac{1}{2}$ ft high North of Cor.
55.65 Cross road course N 20° W
60.00 Cross draw course S 50° W.
80.00 Set a limestone 24 X 10 X 3 ins
14 ins in the ground for cor
of secs 2. 3. 34 + 30 marked
2 notches on east and 4
notches on west edges.
dig pits 18 X 18 X 12 ins

23

South Boundary T 20 N R 1 W.

BOOK 1705

Claims.

in each sec. 5 $\frac{1}{2}$ feet dist
and raise mound of earth
4 ft base 2 ft high & west
of cor.

Land level.

Soil gravelly 3rd rate

No timber.

Dense undergrowth chick 80 chain

889° 54' E. lot secs 2 + 35 -
33.00 through dense undergrowth -
top of upper trade of
Cataract.

40.00 Set a limestone 20x10x3 ins
supported with mound of
stone for $\frac{1}{4}$ sec cor.
mound $\frac{1}{4}$ on N face
raised mound of stone 2 ft
base 1 $\frac{1}{2}$ ft high North of
cor - Cor is situated at head
of canyon course of which is

Chains-

 $1.60^{\circ} E.$

62.00 Head of draw runs $845^{\circ} W$
 80.00 Set a limestone $18 \times 10 \times 8$ ins
 10 ins. in ground for cor of
 secs 1, 2, 35 & 36, marked
 with one notch on east
 and five notches on west
 edge - dig 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
 west of corner.

Land Mountainous

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

No timber

Mountainous land 40 chains
 Dense undergrowth of chico
 and buck brush 80 chains

South $89^{\circ} 54' E$ lot Sec 1436

Smith Boundary T. 28 N. R. 1 W. ²⁵
BOOK 1705

Chains

Over Rolling land, through
dense undergrowth -
Set a limestone 24x12x4 ins.
1/4 ins in the ground for 1/4
sec, cor. Mashed 1/4 in N
face. dig pits 18x18x12
ins. E & W of stone 3 ft
distant and raise a mound
of earth 3 1/2 ft base 1 1/2 ft
high north of cor.

80.00 Th Cor of Townships 27
& 28 N. R 1 E. & W.
Land rolling -
Soil gravelly 3rd rate.
No timber
Dense undergrowth Chico 80 chains

Boundaries of
Latitudes departments and

Line designated	Bearing
7 th Standard Parallel	West
Gila & Salt River Meridian.	North
S Boundary T 28 N R 1 W	S 89° 54' E
W Boundary T 28 N R 1 W.	South
Convergency	
Totals	

This township is rough and mountainous in the Northwestern part and in the Central Eastern part. The remainder being level and rolling - Cataract Canon flows through the Northwest part, but there is no permanent water table in the township.

closing errors.

BOOK 1705

Distance chrs	Latitude		Departure	
	N	S.	E	W
477.92				477.92
480.00	480.00			
478.85		.83	478.85	
480.00		480.00		
				.52.7
480.00	480.83	478.85	478.447	
	<u>480.00</u>	<u>478.447</u>		
Error in Lat.	.83	.403	Error in dep	

There is very little timber land, such tiny scrub cedar. The soil is generally rocky or gravelly and unfit for agricultural purposes. The continual drought too kills all grass. The whole Township is covered with a dense undergrowth of chick and buck brush.

There are no settlers in
this township.

J B Grand,
U.S. Deputy Surveyor,

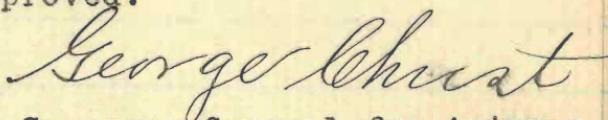
APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL

Tucson, Arizona.

Dec 18, 1900

The foregoing field notes of the survey of Test 3d of Boundaries
of L 28 N. R. 1 rd sec 3d w. Bdy.
Fractional 27 N R 1 sec
executed by J. B. Giraud
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.



W. S. Surveyor General for Arizona.