

BOOK 1328

Base Line, 36 miles

T. 1-N., R. 1-2-3-4-5+6 E.

4

Pierce, D.S.

1867 A.D.

BOOK 1328

1328

No. 1328

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BOOK 1328

P. 1 E.

31	32	33	34	35	36
9	10	11	12	12	12

P. 2 E.

31	32	33	34	35	36
13	14	14	15	15	16

P. 3 E.

31	32	33	34	35	36
16	17	17	18	18	18

P. 4 E.

31	32	33	34	35	36
19	20	21	21	21	22

P. 5 E.

31	32	33	34	35	36
23	23	24	24	24	25

P. 6 E.

31	32	33	34	35	36
26	26	27	27	28	28

Base Line — 36 miles.
 T. 1 N.; R's 1-2-3-4-5+6 E.
 "

Pierce D.S.
 1867 A.D.

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For Chainmen

BOOK 1328

We do solemnly swear that we will

faithfully execute the duties of Chain Carriers,
that we will level the chain upon uneven
ground, and plumb the tally pins, with-
out 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.

Andrew Kapiar
Willie Merson

Robert Johnson
Albert Ashby.

Subscribed and sworn to by the above
named persons before me Clerk of the
District Court for the County of Pima
in the Territory of Arizona

John N. Archibald - Clerk
District Court / Judicial District
Arizona Territory

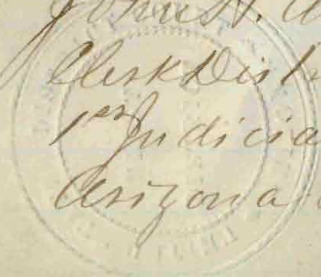
For Flagmen, Axemen & Cornermen
We do Solemnly swear that we will

well and truly perform the duties of
Flagman, Axeman and Cornermen
according to instructions given us, and
to the best of our skill and ability

Charles H Gray
Jesse Milby
Geo Henderson

Subscribed and sworn to by the
above named persons before me
Clerk of the District Court for
the County of Pima in the Territory
of Arizona on this the 9th day of
January A.D. 1867

John H. Archibald
Clerk District Court
Judicial District
Arizona Territory



Base Line

BOOK 1328

No. 1328

Field Notes of the Survey of
Base Line in Arizona Taken
from the Initial corner East
thirty six miles

I find the Initial corner
to be located & described as
follows viz

A monument of stones on
the summit of a rocky hill
on the S. side of the Gila River
opposite the mouth of Salt River
Monument of stone circular
in form about 8 ft in diam,
at base 4 ft at top and 8 ft
high with a post in center

Base — line

projecting about 6ft corresponding
with description; furnished me
by the Surveyor General of New
Mexico & Arizona

In accordance with instruc-
tions I proceed to perpetuate
this cor. as follows

I square the post and mark
it as a top corner

I set a stone $20 \times 10 \times 8$ marked
according to instructions N.W.
50 lks distant

A granite stone $24 \times 12 \times 7$

N.E. 50 lks dist

A granite stone $18 \times 14 \times 11$

S.E. 50 lks dist

A granite stone $19 \times 13 \times 6$

Base Line S 1/4 N. R. 1 E

Chains

S. W. 50 lbs distant
 Notices convenient for Marking

I test the adjustment of my
 compass by an observation of
 the Polar Star and compare
 my chains with the Standard

Survey commenced Jan 19th 1867

Iron

E, on a true line along the
 S. boundary of ^{Section 31} S. 1/4 N. R. 1 E

Var. by Burt's Solar Compass $13^{\circ}36' E$.

12.50 Left Bank of Gila River 2,300 chs
 wide general course from
 Maniopa Wells N. $37^{\circ} W$.

Chains

Base Line T 1 N R 1 E ?

- A range of Mountains parallel to the River extends from initial corner to a point West of Maricopa Wells about 20 miles
- 40.00 Set a granite boulder $17 \times 9 \times 5$ for cor. sec. cor. in willow thicket
- 58.00 Road from Tucson to Prescott bis $N. 30^\circ W.$
- 80.00 Set stone $18 \times 9 \times 6$ for cor to sec 31 & 32
- X Surface W of Gila rough & stony & well covered with small willow brush no grass
9. A few cottonwood trees on banks of River
- Soil a sandy loam 1st rate

Cor. on a true line along the S. boundary of sec 32

Base line T14 N16

chains

- 16.00 Entire low bottom of Salt River
bis S. 60° E.
- 30.00 Leave low bottom bis N 70° E
- 40.00 Set granite stone 16x8x6 for
gr sec, cor.
- Jan. 19th 1867
- 80.00 Set granite boulder 18x7x5 for
cor. to sec 32733
- Surface level
Soil 1st rate veg. willow brush
-
- 6 p.m. on a timber line along the S. boundary of sec 33
- 40.00 Set stone 22x8x6 for gr, sec, cor.
- 46.00 Entire mesquit timber
- 80.00 Set granite stone 19x7x6 for
cor to sec 33734
- Willow brush and scattering
Mesquit trees Soil 1st rate

Chains

Base line R. 1 E. T. 1 N.

- 45.00 East-northeastern along the S. boundary of sec. 34
Set stone 17x6x5 for gr. sec. cor.
- 80.00 Set stone 16x7x5 for cor to sec
33 & 35
Cypresswood bush & scattering
Mesquit trees
Soil 1st rate
-
- 40.00 East-northeastern along the S. boundary of sec 35
Set stone 19x6x5 for gr. sec. cor.
- 80.00 Set-granite boulder 15x11x8
for cor to sec 35 & 36
Veg. Mesquit bush, no grass
Soil 1st rate
-
- 11.50 East-northeastern along the S. boundary of sec 36
Road bis N. 1/2
- 40.00 Set stone 17x8x5 for gr. sec. cor
- 42.30 Mesquit tree 2 1/2 ft in diam.
- 80.00 Set granite boulder 22x7x6.

Jains

Base line R 2 E T 1 N.

for cor to Tps 1 N. R 2 E
 Soil 1st rate
 Mesquit & greasewood brush
 Salt River 1/2 mi N.

E. on a true line along the S.
 boundary ^{Sec 31} of T. 1 N. R. 2 E.

Variation 13° 30' East

40.00 Set granite boulder 19x8x6
 for g. su cor

80.00 Set granite boulder 18x10x5-
 for cor to sec 31 732

Soil 1st rate
^{consisting of few scattering trees}
 Mesquit timber & greasewood
 brush
 Surface level

Chain

Base

line R 2 E T. 1 N.

Good grass - green even at
this season

Jan 20th 1867

- 8.00 E. quarter line along the S. boundary of sec 32
slough course N. E.
- 40.00 Set stone 16x8x3 for q. sec. cor.
- 80.00 Set granite boulder 20x8x6
for cor to secs 32 & 33
Mesquit-trees & greasewood bush
Soil 1st rate - good grass
- 40.00 E. quarter line along the S. boundary of sec 33
Set granite boulder 19x10x4
for q. sec. cor.
- 80.00 Set granite boulder 19x10x5
for cor to secs 33 & 34
Scattering Mesquit trees
Soil 1st rate - no grass

Chris Base Line R 2 E T. 1 N.

40.00 Egomat timber along the S. boundary of sec 34
Set granite boulder 15x9x6 for
gr. sic. cor.

80.00 Set granite stone 17x6x6 for
cor to secs 34 & 35.

Leave timber

Greasewood bush

Soil sandy & salt

Surface level.

10.25 Egomat timber along the S. boundary of sec 35
Wagon trail bis N. 30 W

40.00 Set granite boulder 17x8x6 for gr. sic. cor.

80.00 Set granite boulder 19x7x5
for cor to secs 35 & 36

Soil sandy & salt

Surface level

Vegetation greasewood bush only

Chains Base Line R3 E. T. 1 N.

40.00 E. on a true line along the S. boundary of sec 36
Set granite stone 15x9x6 for
qr. sec. cor.

80.00 Built mound with pits and
chained stake for cor to T. 1 N.

R. 273 E.

Surface level Soil 2nd rate

Veg. quercus wood brush

Salt River about 4 ms North

E. on a true line along the S.
boundary of ^{section 37} T. 1 N. R. 3 E.

Var 13° 30' East

40.00 Set granite stone 14x9x5 for
qr. sec. cor.

80.00 Built mounds with pits
and chained stake for cor to
secs 31 & 32

17

chains

Base

Chain R3 E J 17

Soil 2 rate sandy

Surface level

Greasewood bush

40.00 E. quarter line, along the S. boundary of sec 32
Set granite boulder 19 x 6 x 5-
for q. sec, cor.

80.00 Built mound with pits and
charred stake for cor to secs 32 & 33
Surface level Soil 2 rate

40.00 E. quarter line along the S. boundary of sec 33
Built mound with pits &
charred stake for q. sec, cor.

80.00 Set mesquite post with mound
and charred stake for cor to
secs 33 & 34
Surface level Soil Sandy ^{at} rate

Chains	Base	Line R 3 E T. 1 N.
40.00	Erected line along the boundary of sec 34	
80.00	Built mound with pits & charred stake for q. sec. cor.	
80.00	Set granite stone 19x8x4 for cor to sec 34 & 35	
	Soil composed mostly granite debris 3 ^d rate	
40.00	Erected line along the boundary of sec 35	
80.00	Built mound with pits & charred stake for q. sec. cor.	
80.00	Set post with mound and charred stake for cor to sec 35 & 36	
	Greasewood bush Soil 3 ^d rate	
40.00	Erected line along the boundary of sec. 36	
80.00	Set granite stone 18x9x4 for q. sec. cor.	
	Set granite stone 23x10x7 for cor to Tps 1 N. R. 3 E. and placed four large stones	

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Chains

Base

Line R 4 E T 1 N

around it at the four cardinal points.

I have marked each stone set for a Tp cor. on the N. side with a number of notches corresponding with the number of Tp corners E. of the Meridian

Soil granite debris
Surface ascending towards the E
Salt River about 5+6 ms N.

E. on a true line along the S.
boundary of ^{Sec 31} T. 1 N. R. 4 E
Var. $3^{\circ} 45'$ East

9.00 Arroyo course N.

40.00 Sil-granite stone 17x7x5 for
qu. sec. cor.

Chains Base line B4 E 3.1 W.

80.00 Set granite stone 19x9x4 for
 cor. to sec 31 & 32
 Soil 3^d rate
 Jan 21st 1867

Take an observation on the
 Polar Star to test the adjustment
 of my compass and compare
 my chains with standard 4 in
 English line along the S. boundary of sec 32
 40.00 Set granite stone 16x8x8 for g. survey
 About 30 Chas. S. of this point
 is the Eastern end of a range
 of Mts about 14 miles long &
 1700 ft high course S. 65° W.

80.00 Set granite stone 19x7x3 for
 cor. to sec 32 & 33
 Surface sloping E. Soil 2^d rate

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Base line R. 4 E. 711

lines

40.00 Elevation along the S boundary of sec 33
 Built mound with pits &
 charred stake for q₁ sec cor.

80.00 Set granite stone 24 x 10 x 4 for
 cor to sec 33 & 34

Soil sandy & calc.

Surface level greasewood brush

40.00 ~~Elevation along the S boundary of sec 34~~
 Built mound with pits &
 charred stake for q₁ sec cor.

80.00 Set granite stone 15 x 9 x 5
 for cor to sec 34 & 35.

Surface sloping E, Soil & calc.

Greasewood brush

40.00 ~~Elevation along the S boundary of sec 35~~
 Built mound with pits and
 charred stake for q₁ sec cor.

80.00 Set granite stone 23 x 9 x 4 for

Chains

Base

Line R 4 E T 1 N

cor. to sics 35436

Soil sandy 2 rats

Mesquit & greasewood brush

No grass

4000

~~Eng. line stone that boundary for 34~~
Set stone 16 x 6 x 5 for 9/2 sec. cor.

8000

Set granite stone 25 x 6 x 5
for cor. to Tps 1 N. R. 475 E

Mesquit and greasewood brush

Soil 2^o rate sandyMt. Mc. Doull a rugged
mountain near the mouth

of the San Francisco River

and about 10 miles S. E. of

Ft. McDoull by N. 45° 39' E

Chains

Base line R 5-E T 1 N

E. on a true line along the
S. boundary of ^{sec 31} T. 1 N. R 5-E

Var. $13^{\circ} 36'$ E.

40.00 Build mound with pits and
charred stake for gr. sec. cor.

80.00 Set granite stone $17 \times 7 \times 5$ for
cor. to sec 31 & 32

Grasswood & mesquit-bush
Soil 1^{st} rate

~~Edge line along ft. b. boundary of sec. 32~~
28.70 Road from Marcopattells
to Ft Mc Dowall bis N. W.

40.00 Set stone $20 \times 10 \times 7$ for gr. sec. cor.

80.00 Set granite stone $18 \times 7 \times 6$ for
cor. to sec 32 & 33

Grasswood & mesquit bush
Surface level Soil 1^{st} rate

Chains Base Chain R⁵ E 2 1/2 N

40.00 Egnation line along the S. boundary of sec 33
Build mound with pits &
charred stake for q. sec. cor.

80.00 Set stone 20x9x4 for cor to sides
33 & 34

Surface level soil 1 st/₄ rate

40.00 Egnation line along the S. boundary of sec 34
Build mound with pits &
charred stake for q. sec. cor.

80.00 Set granite stone 16x8x6
for cor to sides 34 & 35

Surface level soil 1 st/₄ rate
Mesquit & greasewood brush
a little grass

40.00 Egnation line along the S. boundary of sec 35
Build a mound with pits
& charred stake for q. sec. cor.

80.00 Set granite stone 15x12x4

25

chains Base line R 5 - E 21 N

for cor to sec 33-736

Surface level

Soil somewhat sandy, 1st rate

Greasewood bush

Scattering bunches of grass

Erythronium along the boundary of sec 36

32.40 Road from Whites crossing
of the Gila to Ft-Mc Dowall
bis N & S.

40.00 Build mound with pit &
channeled stake for q. sec, cor.

80.00 Set granite stone 22x9x4 for
cor to c 7 ps 1 N. R 5 - E 21 N

Surface level Soil 1st rate

Deg. grass & greasewood bush

Mt-Mc Dowall bis N 26° 26' E

Jan 27th 1867

Chains:

Base

line R6 E 5/4

On a true line along the S.
boundary of ^{sec 31} T1 N R. 6 E
Var $13^{\circ} 36'$ East

40.00 Build mound with pits &
charred stake for q. sec, cor.

80.00 Set a marked stone and
built a mound with pits
for cor to secs 31 & 32

Surface level

Soil 1st rate sandy

Vegetation greasewoodbush
and good grass

Equatorial line along the S. boundary of sec 32

40.00 Build mound with pits & charred
stake for q. sec, cor.

80.00 Set marked stone mound &
pits for cor to secs 32 & 33

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Main Base Home R. C. E. 712

Good grass greasewood and
 mesquit brush
 Soil sandy 1st rate
 Surface level

40.00 Eggsation line along the S. boundary of sec 33
 Build mound with pits &
 charred stakes for q. sec. cor.
 80.00 Set marked stone mound
 and pit for cor to sec 33 & 34
 Greasewood brush good grass
 Soil sandy 1st rate

40.00 Eggsation line along the S. boundary of sec 34
 Build mound with pits &
 charred stakes for q. sec. cor.
 80.00 Set marked stone mound
 & pits for cor to sec 34 & 35
 Surface level Soil 1st rate

chains Base line R 66 T. 1 N.

Vegetation greasewood brush
with good grass.

~~Equalization along the S boundary of sec 55-~~
40.00 Built mound with pits &

charred stake for q. sec, cor.

80.00 Set marked stone 14x6x5-

& built mound with pit-

for cor to sec 85 & 86

Surface level

Soil - sandy 1st rate

~~Equalization along the S boundary of sec. 86~~
40.00 Built mound with pits &

charred stake for q. sec, cor.

80.00 Set a marked stone 16x6x4

for cor to Tps 1 N. R 66 T 6

Salt River about 8 ms dist.

Jan 23^d 1867

Base Line

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General Description

This line runs in the valley of Salt River throughout nearly its whole length

The soil could be classed as first-rate composed of a sandy loam light, rich and easily worked - with the exception of ~~the~~ four miles in Range 3 East - the soil of which is 3^d rate composed of granite debris

The surface is generally level sloping gradually towards the N. Vegetation - Mesquit and greasewood bush and in some places grass - in no

Base

line

place however abundant
except on the last six miles

Salt River is at this season
of the year at least a large
stream nor do I think it ever
entirely dry. It has more

over a very heavy fall of I
should think 12 to 15 ft to
the mile which renders it
especially valuable for irrigating.

I consider this valley from 6 to
10 miles wide and extending
from its mouth upwards
to the Mts about forty miles—
as some of the best agricultural
land I have yet seen in the
Territory and would recommend

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Base line

that it be subdivided at an
early day.

No timber but a few scattering
mesquit trees

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I William H. Pinn Deputy Surveyor
do solemnly swear that in pursuance
of a contract with John A. Calk surveyor
of the public lands of the United States
in the Territories of New Mexico and
Arizona bearing date of Dec 15th 1866
and in strict conformity to the laws
of the United States and the instructions
furnished by said Surveyor General
I have faithfully surveyed the
Base line from the initial corner
on the Gila Riv. opposite the mouth
of the Salado East thirty six (36) mi
in the Territory of Arizona and
do further solemnly swear
that the foregoing are the

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true and original field notes of
such survey

William H. Paine

Deputy Surveyor

Sworn to and subscribed before
me, this 24th day of March 1867

W. W. Guffin
Notary Public



The foregoing Fieldnotes of the Survey of the Base Line in the Territory of Arizona east thirty-six miles from the initial point, in the Territory of Arizona, district of New Mexico and Arizona, executed by William H. Pierce under his contract of the 15th day of December, ^{in the month of January, 1867,} 1866, having been critically examined, the necessary corrections and explanations made, the said Fieldnotes and the surveys they describe are hereby approved.

Surveyor General's Office,
 Santa Fe, New Mexico,
 March 30, 1867.

John A. Colwell
 Surveyor General.