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-1844-
Book "J"

Des. Hill
Feb 3/58

FIELD NOTES

BOOK 1844

OF THE SURVEY OF THE

*North & East boundaries
T. 24 S. R. 18 E*

-1844-

1844

Of the *Gila & Salt River* Meridian,

AS SURVEYED BY

Philip Conzen, United States Deputy Surveyor,

Under his Contract No. *115*, dated *March 15th*, *1890*

Survey commenced *September 26th*, *1890*

Survey completed *September 29th*, *1890*

44
1A

BOOK 1844

NAMES AND DUTIES OF ASSISTANTS.

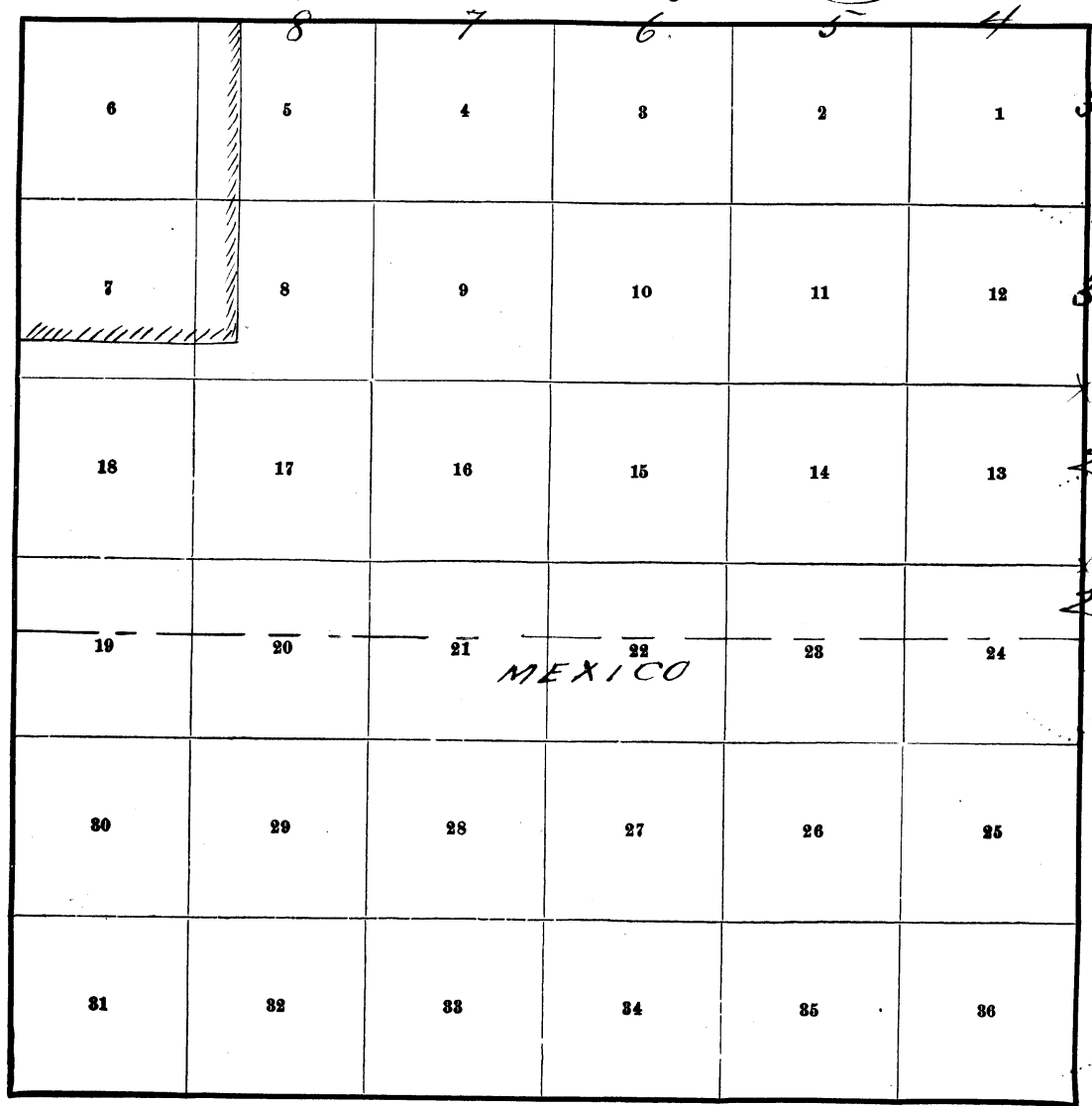
H. W. Huggins,	chairman
Meriano Adorame,	chairman
Juquin Bonillas,	murderman
Mannel Salazar,	murderman
Chas. M. Pague,	ax man
Tom Jones,	ax man
Arthur Pague,	flagman

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1B

BOOK 1844

INDEX DIAGRAM.

Township 24 S., Range 18 S.



Meanders Page.....

#6
C
BOOK 1844

PRELIMINARY OATHS OF ASSISTANTS.

WE, H. W. Huggins and Mariano Adorame
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances 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 North and East boundaries of T. 24 S. R. 18 E.

H. W. Huggins, Chainman.

Mariano Adorame, Chainman.

Subscribed and sworn to before me this 14th
day of September, 1894

H. G. Power

NOTARY PUBLIC,
YUMA COUNTY, ARIZONA

MY COMMISSION EXPIRES

April 27th 1908



WE, Joaquin Bonillas and Manuel Salazar
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

the North and East boundaries of T. 24 S. R. 18 E.

Joaquin Bonillas, Moundman.

Manuel Salazar, Moundman.

Subscribed and sworn to before me this 14th
day of September, 1894

H. G. Power

NOTARY PUBLIC,
YUMA COUNTY, ARIZONA

MY COMMISSION EXPIRES

April 27th 1908



WE, Chas. M. Pogue and Tom Jones
do solemnly swear that we will well and truly perform the duties of 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 North and East boundaries of T. 24 S. R. 18 E.

Chas. M. Pogue, Axman.

Tom Jones, Axman.

Subscribed and sworn to before me this 14th
day of September, 1894

H. G. Power

NOTARY PUBLIC,
YUMA COUNTY, ARIZONA

MY COMMISSION EXPIRES

April 27th 1908



I, Arthur Pogue, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

the North and East boundaries of T. 24 S. R. 18 E.

Arthur Pogue, Flagman.

Subscribed and sworn to before me this 14th
day of September, 1894

H. G. Power

NOTARY PUBLIC,
YUMA COUNTY, ARIZONA

MY COMMISSION EXPIRES

April 27th 1908



Survey commenced September 26, 1904 and executed with Hanna and Sons light mountain transit, No. 5607, with solar attachments. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined, tested on the true meridian at Phoenix, found correct, and was approved by the surveyor general for Arizona, June 10, 1904.

I examined the adjustments of the transit, and correct the level and collimation errors; then, to test the solar apparatus, by comparing its indications, resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris, I proceed as follows:

At the end of arcs 13, 18, 19 and 24, I set off, No. 24 S, No. 18 and 19 in horizontal direction, latitude $31^{\circ}20'$ N; longitude $100^{\circ}00'$ W; I set off $31^{\circ}20'$ N, on the lat. arc; $10^{\circ}20'$ on the decl. arc, and, at 3^h50^m p.m., l.m.t., determined with the solar apparatus, mark a point thereof, on a steel firmly set in the ground, 5 chs. N. of the arc.

At 7^h47^m p.m., l.m.t., by my watch, which is correct, I observed Polaris at eastern elongation, in accordance with Manual of Instructions, and mark a point in the line of the declination, on a peg driven in the ground, 5 chs. N. of my station.

September 26, 1904

September 27: At $6:35$ a.m., l.m.t., I lay off the azimuth of Polaris $1^{\circ}35'$ to the east, and mark the meridian thus determined, by cutting a small groove in the steel set September 26, in which the meridian falls 0.2 ins. east of the mark determined by the solar.

At 7^h45^m a.m., l.m.t.; I set off $31^{\circ}20'$ N on the lat. arc; $10^{\circ}20'$ on the decl. arc, and mark a point in the meridian determined with the solar, by a cross on the steel already set 5 chs. N. of my station; this mark falls 0.5 ins. east of the meridian established by the Polaris observation.

The solar apparatus by p.m. and a.m. observations defines meridian respectively about $0^{\circ}15'$ east

Observations; therefore I conclude that the ad-
justments of the instrument are satisfactory.
The magnetic bearing of the true meridian at 6^h 00^m a.m.,
is N. 10° 01' W., therefore the true meridian gives the mag-
netic 10° 01' E.

From the above described in Sec 8
I set out 19 and 24 on E. edge of 30
acre land

19.55 Very rough, in the road, corner S. W.
22.50 More formal, corner S. and W.
24.17 Anticrest international bdy line bet the United States and
Mexico at a point from which the 100 monument of the bdy
line is 19.55 & 5.35 chs dist.
bet a sandstone, 12x12x12 inch, 10 inch in the ground, for a
corner of said 19 and 24, marked S. & W. by a 6, 24 on N.
and N. 10° 01' W. by a 6, 24 on N.
1 1/2 ft high, N. of cor-
ner had well and building
had gravelly sand, and water
hard, a few rods

N. lat. 19 and 18

I ran measurements from
corner S. and W. to
corner S. and W., in the road, corner S. W., returned over rolling land
to the corner S. and W.
bet a sandstone, 12x12x12 inch, 10 inch in the ground, for a
corner of said 19 and 24, marked S. & W. by a 6, 24 on N.
and N. 10° 01' W. by a 6, 24 on N.
1 1/2 ft high, N. of cor-
ner had well and building
had gravelly sand, and water
hard, a few rods

timber, a few oak.
Mountains land, 28.90 chas.

N. lot area 7 and 12.

Open level land
long creek, 3.1 lbs wide, course S. 80° W.

Small draw, thorned, over rolling land.

cutch, 15 lbs wide, course S. W., ascend.

These former, bears N.W. and S.W.

Bridge, bears N.W. and S.W., descend.

Set of 4 sandstone, 18x8x6 ins. 12 ins. in the ground, from
to and over marked 1/4 by N. face from which

to rock, 12 ins. diam, bears S. 88 1/2° W., 147 lbs dist, marked
to S. 10° E.; no other trees within limit, and raised a mound
of stone 2 ft base, 1 1/2 ft. high, N. of rock.

Open level, 10 lbs wide, course S. W., ascend.

Old road, bears N.W. and S.W.

Bridge, bears N.W. and S.W., descend.

cutch, 10 lbs wide, course S. W., ascend.

Small draw, extending S. W., descend.

cutch, 10 lbs wide, course S. W., ascend.

Set of granite stone, 18x12x10 ins. 12 ins. in the ground, from
end of area 1, 2, 7 and 12, marked with 5 notches on S. side
notch on N. side, from which

to rock, 12 ins. diam, bears S. 20 1/2° E., 227 lbs dist, marked
to S. 10° E. S. 7° E.

to rock, 2 ins. diam, bears N. 20 1/4° W., 179 lbs dist, marked
to S. 10° E. S. 15° E. S. 13° E.; no other trees within limit, and raised
a mound of stone 2 ft base, 1 1/2 ft. high, N. of rock.

Open, mountains, rolling and level.

Small gravelly draw, and road and cuts.

cutch, scattering oak.

Mountains land, 58.80 chas.

to rock, 27 ft. this rock set off 10.4 ft by the rock and
made up 12 1/2" l. m. t., observed the sun on the mountain, the
sun being lat. is 31° 22' N.

N. lot area 1 small.

Open mountains land, ascending

bears S. and W., descend.

East boundary of A 24 S, T 13 E

- 6.00 Old road, bears NW and S.W.
- 17.00 Bridge, 200 ft about eve of sec. 1, 6, 7 and 12, bears NW and S.W., descend
- 21.75 Dry wash, in that wind, curved S.W., ascend
- 28.40 S. spur, extending S.W., descend
- 33.30 Dry wash, 31 lbs incl, curved S.W., ascend
- 40.00 Set a sandstone, 12 x 7 1/2 in, 12 in in the ground, for 1/4 sec. 1, 6, 7 and 12, on N. face, from which
An oak, 2 in diam, bears S 79 1/2° E, 124 lbs dist, marked 1/4 S & B S
- An oak, 6 in diam, bears N. 23 1/2° W, 70 lbs dist, marked 1/4 S & B S, and found a mound of stone, 2 ft base, 1 1/2 ft high, W. of cor
- 54.00 Bridge, bears N.W. and S.W., descend
- 61.50 An oak, bears NW, about 20 lbs dist
- 74.00 Control point, curved S.W.
- 81.00 Set a sandstone, 12 x 7 1/2 in, 12 in in the ground, for eve of S. 1, 6, 7 and 12, marked with 6 matches on each side, from which
An oak, 2 in diam, bears N. 13 1/2° E, 220 lbs dist, marked S 22 S B 19 S B 21 B S
- An oak, 2 in diam, bears S 50 1/2° E, 163 lbs dist, marked S 24 S B 19 S B 6 B S
- A specimen, 2 in diam, bears N 52° W, 207 lbs dist, marked S 23 S B 12 S B 22 B S
- An oak, 5 in diam, bears N 40° W, 121 lbs dist, marked S 23 S B 13 S B 1 B S, and found a mound of stone, 3 ft base, 1 1/2 ft high, S. of cor
- Found, intermittent and hard
- Soil generally, 2nd and 3rd rocks
- Several, containing rocks, and a few very small ones as h
- not seen
- Monument on land, 2200 lbs
- Set a marker up at 2 1/2 p.m., by t, set off 31 1/2 ft in the lot and 10 ft off on the road and was determined a true meridian with the sun at the eve of S. 1, 6, 7 and 12, by base and 1/2, marked with
- found S. and
- Set a marker up at 2 1/2 p.m.
- Set a marker up at 2 1/2 p.m.

- 4.00 Dry wash, 50 lbs. wide, course S. W.
- 7.00 Enter draw; ascend.
- 16.00 Ridge, bears N. and S. W.; descend.
- 27.00 Gulch, 20 lbs. wide, course S. W.; ascend.
- 29.00 Spur, extending S. W.; descend.
- 36.75 Gulch, 15 lbs. wide, course S. S. E.; ascend.
- 40.00 Set a granite stone, 18 x 10 x 10 ins., 12 ins. in the ground for $\frac{1}{4}$ sec. ev. marked $\frac{1}{4}$ on N. face; and raised a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of ev.
- 43.00 Ridge, bears N. and S. W.; ascend.
- 51.65 Old mound, bears N. and S. W.
- 65.75 Gulch, 10 lbs. wide, course N. W.; ascend through oak timber.
- 81.00 Set a granite stone, 18 x 8 x 7 ins., 12 ins. in the ground, for ev. of sres. $\frac{1-2-3}{2-3}$, 35 and 36, marked with 1 notch on E. and 5 notches on W. edge; from which
 - An oak, 7 ins. diam., bears N. 87 $\frac{3}{4}$ E., 65 lbs. dist., marked S 23 S 16 18 E S 36 13 S.
 - An oak, 10 ins. diam., bears S. 73 $\frac{1}{4}$ E., 67 lbs. dist., marked S 24 S 16 18 E S 1 13 S.
 - An oak, 10 ins. diam., bears S. 54 $\frac{1}{2}$ W., 75 lbs. dist., marked S 24 S 16 18 E S 2 13 S.
 - An oak, 10 ins. diam., bears N. 41 W., 43 lbs. dist. marked S 23 S 16 18 E S 35 13 S.; and raised a mound of stone, 2 ft. base, 1 1/2 ft. high, W of ev.

Land, mountainous and level.
 Soil, gravelly; 3rd rate.
 Timber, oak.
 Mountainous land, 73.00 chs.

September, 27, 1904.

- September 29: At 7^h 35^m a.m., l.m.t., I set off 31° 23' N on the lat. arc, ~~31° 23' N~~ on the decl. arc; and determined a meridian with the solar at the ev. of sres. 1, 2, 35 and 36.
- Planned 3 run
 N. bet. sres. 2 and 35.
- Over mountainous land, ascending through oak timber.
- 5.00 Spur, extending N.; descend.
 - 9.00 Enter draw, course N.
 - 40.00 Set a sandstone, 18 x 10 x 10 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. ev. marked $\frac{1}{4}$ on N. face; from which
 - An oak, 5 ins. diam., bears N. 76 $\frac{1}{2}$ E., 127 lbs. dist., marked

6 chains $\frac{1}{4}$ S 35 3 3.
 An oak, 6 ins. diam., bears S. 19 $^{\circ}$ E, 131 lbs. dist., marked $\frac{1}{4}$ S 2 13 S; and raise a mound of stone, 2 ft. base, $\frac{1}{2}$ ft. high, N. of cor.; lower draw and ascend.
 46.00 Spur, extending S. W.; descend.
 57.20 Gulch, 10 lbs. wide, course S.; ascend.
 62.00 Ridge, bears N. W. and S. W.; descend.
 70.00 Gulch, 10 lbs. wide, course S. W.; ascend.
 75.00 Ridge, bears N. E. and S. W.; descend.
 77.60 Gulch, 20 lbs. wide, course S. W.; ascend.
 80.00 Set a granite stone, 20 x 12 x 6 ins., 15 ins. in the ground, for cor. of sec. 2, 3, 34 and 35, marked with 2 notches in E. and 4 notches in W. edge; from which
 An oak, 6 ins. diam., bears S. 26 $^{\circ}$ E, 151 lbs. dist., marked S 24 S R 18 E S 2 13 S.
 An oak, 7 ins. diam., bears N. 71 $^{\circ}$ 2' W., 197 lbs. dist., marked S 23 S E 18 E S 35 3 S; no other trees within limit, and raise a mound of stone, 2 ft. base, $\frac{1}{2}$ ft. high, N. of cor.
 Land, mountainous and level.
 Soil, gravelly loam; 1st and 2nd rate.
 Timber, oak.
 Mountainous land, 49.00 chs.

N. cor. sec. 3 and 34.
 Over mountainous land, ascending through scattering oak.
 3.00 Spur, extending S.; descend.
 14.40 Gulch, 10 lbs. wide, course S. W.; ascend.
 15.60 Spur, extending S. W.; descend.
 21.00 Gulch, 20 lbs. wide, S. W.; ascend.
 21.50 Spur, extending S. W.; descend, through heavy oak timber.
 27.50 Gulch, 20 lbs. wide, course S. W.; ascend.
 32.00 Spur, 300 ft. above sec. cor., extending S. W.; descend.
 38.00 Gulch, 20 lbs. wide, course S. W.
 39.50 Enter draw, course S. W.
 40.00 Set a sandstone, 18 x 8 x 6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ in N. face, from which
 An oak, 5 ins. diam., bears S. 43 $^{\circ}$ W., 8 lbs. dist., marked $\frac{1}{4}$ S 3 13 S.
 An oak, 24 ins. diam., bears N. 10 $^{\circ}$ 4' W., 77 lbs. dist., marked $\frac{1}{4}$ S 3 4 13 S; and raise a mound of stone, 2 ft. base, $\frac{1}{2}$ ft. high, N. of cor.

1.4.00 Dry wash, 15 lbs. wide, course S. W.; ascend.
 2.30.00 Draw, 100 ft. below gulch, extending S. W.; descend.
 3.20.00 Enter Parker's draw, course S. W.
 4.20.00 Leave draw; ascend.
 5.00.00 Set a sandstone, 18 x 8 x 8 ins., 12 ins. in the ground, for
 cor. of sec. 3, 4, 33 and 34, marked with 8 inches in E.
 and N. rods; from which
 An oak, 6 ins. diam., bears N. 16 1/2° E., 141 lbs. dist., marked
 S 23 S 16 1/2 E S 4 1/2 B S.
 An oak, 10 ins. diam., bears S. 50 1/2° E., 34 lbs. dist., marked
 S 24 S 16 1/2 E S 3 1/2 B S.
 An oak, 3 ins. diam., bears S. 59 1/2° N., 130 lbs. dist., marked
 S 24 S 16 1/2 E S 4 1/2 B S.
 An oak, 6 ins. diam., bears N. 60 3/4° N., 142 lbs. dist., marked
 S 23 S 16 1/2 E S 3 3/4 B S.; and raise a mound of stone, 2 ft.
 base, 1 1/2 ft. high, N. of cor.
 Land, mountainous and level.
 Soil, gravelly loam and stony; one, six and 1/2 th rates.
 Timber, oak and spruce, etc.
 Mountainous or hilly timbered land, 30.00 acres.
 Set timber 29. At this cor. I set off ~~2° 27' 12"~~ ^{2° 27' 12"} on the circ.
 arc and at 12' 3" l. m. t., observe the sun on the meridian;
 the resulting lat. is 31° 23' N

N. bet sec. 4 and 33.
 Over mountainous land, ascending through heavy oak timber
 10.00 Spur, extending S. W.; descend.
 12.00 Draw, 100 lbs. wide, course S. W.; ascend.
 16.00 Spur, extending S. W.; descend.
 17.45 Gulch, 10 lbs. wide, course S. W.; ascend.
 20.00 Spur, extending S. W.; descend.
 23.40 Gulch, 10 lbs. wide, course S. W.; ascend.
 27.00 Spur, extending S. W.; descend.
 37.00 Gulch, 30 lbs. wide, course S. W.; ascend.
 40.00 Set a sandstone, 18 x 8 x 6 ins., 12 ins. in the ground, for
 cor. marked 7 on N. face; from which
 An oak, 4 ins. diam., bears N. 64 3/4° E., 151 lbs. dist., marked
 1/4 S 3 3/4 B S.
 An oak, 36 ins. diam., bears S. 78 1/2° N., 37 lbs. dist., marked
 1/4 S 4 1/2 B S.; and raise a mound of stone, 2 ft. base, 1 1/2
 ft. high, N. of cor.

6 chains
 40.00 Ridge, 100 ft above $\frac{1}{4}$ sec. cor. bars N. E. and S. W.; descend.
 65.60 Gulch, 10 lbs. wide, course S. W.; broad heavy timber; ascend.
 66.25 Spur, extending S. W.; descend.
 67.60 Gulch, 40 lbs. wide, course S. W.; ascend.
 73.75 Bond, bars N. N. E. and S. W.
 80.00 Set a granite stone, 18 x 10 x 8 ins., $\frac{1}{2}$ ins. in the ground, for cor. of sec. ~~5, 6, 31 and 32~~ ^{4 5 32 and 33} marked with 4 notches on E. and 2 on N. edge, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Land, mountainous.
 Soil, gravelly; 2nd and 3rd rate.
 Timber, oak.
 Mountainous or heavily timbered land, 80.00 chs.

W. bet. sec. 5 and 32.
 Over mountainous land, ascending through scattering oak timber.

8.00 Ridge, bars N. E. and S. W.; descend.
 19.00 Draw, 2 chs. wide, course S. W.; ascend.
 24.00 Ridge, bars N. E. and S. W.; descend.
 39.00 Center draw, course S. W.
 40.00 Set a sandstone, 18 x 8 x 6 ins., $\frac{1}{2}$ ins. in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; from which
 An oak, 5 ins. diam., bars S. $3\frac{1}{2}$ ° N.; 44 lbs. dist., marked $\frac{1}{4}$ S 5° 18 E.
 An oak, 5 ins. diam., bars N. $39\frac{1}{4}$ ° W.; 98 lbs. dist., marked $\frac{1}{4}$ S 32° 13 E.; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
 40.70 Broad draw; ascend.
 48.00 Spur, 150 ft. above draw; extending S.; descend.
 54.40 Dry wash, 20 lbs. wide, course S. W.; ascend.
 69.42 Intersect E. bay of the San Rafael de la Guiza land grant at a point from which the 6 mile cor. of the grant bay
 bars S. 5 chs. dist.
 Set a sandstone, 18 x 12 x 10 ins., $\frac{1}{2}$ ins. in the ground, for closing cor. of sec. 5 and 32, marked 6 6 on E., 32 on N. 5 on S. and S. R. S. E. on N. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor.
 Land, mountainous.
 Soil, gravelly hum. and 2nd and 3rd rate.
 Timber, scattering oak.
 Mountainous land, 69.42 chs.

6 chains

September 29, 1904

General Description
The E. bdy. of this Sp. runs over mountainous and rolling
land. Sp. 24 S., R 19 E., is mountainous and rolling, with
ruts tired in the draws. The W. bdy. of the Sp. runs
over mountainous land. Sp. 23 S., R 18 E., is mountainous
and rolling.

Philip Couzess

U.S. Deputy Surveyor.

For authority red ink corrections see deputy's
letter of Jan'y. 26, 1905-

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LIST OF NAMES.

BOOK 1844

A list of the names of the individuals employed by

Philip

Conzgen

, United States Deputy Surveyor, to assist in running, measuring, and

marking the lines and corners described in the foregoing field notes of the survey of

the North and East boundaries of T. 24 S. R. 18 E.

showing the respective capacities in which they acted:

H. W. Huggins ✓, Chainman.

Mariano Adorame ✓, Chainman.

Juquin Bonillas ✓, Moundman.

Manuel Salazar ✓, Moundman.

Chas. M. Pogue ✓, Axman.

Tom Jones ✓, Axman.

Arthur Pogue ✓, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted

Philip Conzgen

, United States Deputy Surveyor, in surveying all

those parts or portions of the

the North and East boundaries of T. 24 S. R. 18 E.

of the *Gila*

and Salt River meridian, *Territory* of *Arizona*, which 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*

Mariano Adorame ✓, Chainman.

H. W. Huggins ✓, Chainman.

Juquin Bonillas ✓, Moundman.

Manuel Salazar ✓, Moundman.

Chas. M. Pogue ✓, Axman.

Tom Jones ✓, Axman.

Arthur Pogue ✓, Flagman.

Subscribed and sworn to before me this *17th*
day of *December*, 18*94*



H. G. Power

NOTARY PUBLIC,
YUMA COUNTY, ARIZONA,
MY COMMISSION EXPIRES

April 27th 1908

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

12712
BOOK 1844

I, Philip Centzen, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Frank S. Ingalls United States Surveyor General for Arizona, bearing date of the 15th day of March, 1894, I have well, faithfully, and truly, in my 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 North and East boundaries of T. 24 S. R. 18 E

of the Gila and Salt River meridian, in the Territory of Arizona, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written 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 original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Philip Centzen
United States Deputy Surveyor.

Subscribed by said Philip Centzen, and sworn to before me }
this 17th day of December, 1894

Whitson D. Hoover,
Clerk U.S. District Court,
First District of Arizona.



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Ar., March 21st 1905

The foregoing field notes of the survey of the North and East boundaries of T. 24 S. R. 18 E of the Gila and Salt River Base and Meridian in the Territory of Arizona

executed by Philip Centzen, U.S. Deputy Surveyor under his contract No. 115, dated March 15th 1904, 189, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank S. Ingalls
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General.