

BOOK 1806

4-679.

AUG 22, 1904

BOOK 1806

FIELD NOTES

RE
OF THE SURVEY OF THE

1806

1806

First Standard Parallel Survey

Through

Longitude 101° East

Of the Gila and Salt River Basins and Meridian,

In the Country of Arizona

AS SURVEYED BY

W. H. Clegg

, United States Deputy Surveyor,

Under his Contract No. 114, dated March 15, 1891, 1904

Survey commenced January 16, 1891, 1904

Survey completed January 18, 1891, 1904

BOOK 1806

NAMES AND DUTIES OF ASSISTANTS.

John M. Gray, Arthur Durnal, J. Bernard
Wright and Austin A. Lyngot, Chemists,
Chester G. Aldridge, Museumman,
James Karrick, Assistant,
Arthur Vogel, Bagman.

1806

BOOK 1806

INDEX DIAGRAM.

Township 5 N., Range 16 E.

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1ST STANDARD PAR. SOUTH

Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

WE, John W. Gray, J. Bernard Bright and Arthur Durnal and Austin A. Lynght 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 First Standard Parallel South, through Range 16 East

John W. Gray, Chainman.
Arthur Durnal, Chainman.

Subscribed and sworn to before me this

day of *June*, 1891

J. Bernard Bright Chairman
Austin A. Lynght, Chairman



WE, *Chesley G. Aldridge* and *Philip Conzen*,
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 First Standard Parallel South, through Range 16 East

Chesley G. Aldridge Moundman.
Philip Conzen, Moundman.

Subscribed and sworn to before me this

day of

June

16th
1891

Philip Conzen,
U. S. Deputy Surveyor
(no notary available)



WE, *James Kerrick* and *Philip Conzen*,
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 my skill and ability, in the survey of

The First Standard Parallel South, through Range 16 East

James Kerrick, Axman.
Philip Conzen, Axman.

Subscribed and sworn to before me this

16th

day of

June

, 1891

Philip Conzen,
U. S. Deputy Surveyor
(no notary available)



I, *Arthur Poague*, 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 First Standard Parallel South, through Range 16 East

Arthur Poague, Flagman.

Subscribed and sworn to before me this

16th

day of

June

, 1891

Philip Conzen,
U. S. Deputy Surveyor
(no notary available)



*Survey of the First Standard Parallel Smith, through Range 16
Chambers*

From the standard evn of Sth 5^s, R^s 15 and 16 E, just re-established by me, I run East on a random line for four miles and bring myself to find my errors, except on the first mile, I find it necessary to re-establish the S. edge of Sth 5^s, R^s 16 E and also the E edge of the same, in order to connect properly with the Survey of Sth 4^s, R^s 17 E. Survey commenced June 16, 1904, and executed with a Young & Sons light mountain transit, No. 5609, with solar attachment. 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 latitudes and declination arcs.

The instrument was examined, tested on the transit rod driven at Phoenix, found correct, and was certified by the surveyor general for Arizona, June 10, 1904.

I examined the adjustments of the transit and correct the level and declination errors; then, to test the solar apparatus, by comparing its indications, resulting from solar observations made during a few and a half hours, with a meridian determined by observations on Polaris, I found error as follows.

At the standard evn of Sth 5^s, R^s 15 and 16 E, a boundary described, latitude ~~31° 57' 22"~~^{32° 57' 22"}, longitude $110^{\circ} 44' W$; I set off $31^{\circ} 57' W$. on the lat. arc; ~~73° 22'~~^{73° 22'} N on the decl. arc; and, at $4^h 25^m$ p.m. I met, determine with the solar meridian and mark a point therefrom, on a stone, firmly set in the ground, 5 chs N. of the evn.

June 16, 1904.

June 17: At $1^h 45^m$ a.m., by my watch, which is correct, I observe Polaris at eastern elongation in accordance with Manual of Instruction, and mark a point in the line thus determined, on a peg driven in the ground, 5 chs N of my station.

At $6:45$ a.m., I lay off the azimuth of Polaris $10^{\circ} 26'$ to the West, and mark the meridian thus determined, by cutting a small groove in the stone set June 16, on which the meridian falls 0.3 ins East of the mark determined by the solar.

At $4^h 45^m$ a.m., I set off $73^{\circ} 22'$ on the decl. arc, and mark a point in the meridian determined

Survey of the First Standard Parallel Line, through Ranger 16 East.

2 chains

marked with the solar by a cross on the stone already set 5 chs N. of my station; this mark falls 11:3 in West of the meridian established by the Polaris observations.

The solar apparatus, by P.M. and A.M. observations, defines positions for meridians, respectively about $11^{\circ} 16' E$ and $11^{\circ} 16' W$ of the meridians established by the Polaris observations; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the two meridians at 50 m. N. is $11^{\circ} 14' 11'' W$; the angle thus determined gives the mag. decl. $14^{\circ} 10' 16''$.

From the standard B.P. env., 1100'; standard $\frac{1}{4}$ sec env bears $N 89^{\circ} 45' E$. Therefore P.M.

$N 89^{\circ} 45' E$, on S. edge of sec 31.

Over level land, through meadows, timber and dense under-growth.

3.50 Road, from Drydenville to Mammoth, bears N. W. W. and S. E.

4.51 Brush fence, bears N. N. E. and S. S. W.; brush, timber and dense undergrowth; enter barley field.

15.00 River fence, bears N. and S., brush field; enter cottonwood timber and dense undergrowth.

21.15 Low railroad track, 150 lbs wide, crosses Northruply.

28.95 Arroyo, running water & the road, crosses Northruply; brush and cottonwood timber.

31.21 Arroyo, running water, 10 lbs wide, crosses Northruply.

35.00 Railroad line, bears N. and S.

37.27 Difficult to tell, zero reading of 39.27 chs, by two sets of observations, is the best position of standard point.

By 1st set 39.27 chs.

By 2nd set 39.26 chs, the error of which is

39.27 Our point determined by old bearing trees.

I establish ev. at same point as follows:

Set a small post 12×10 in, 12 in in the ground, for standard $\frac{1}{4}$ sec ev marked 8 to 9 in N face, from which

A mosquito, 24 in claim, bears $N 70^{\circ} 45' E$ of the post,

marked $\frac{1}{4}$ sec 8 3 3.

From this ev the old standard ev of over 2 sec and 32 trees

$N 89^{\circ} 45' E$. Therefore P.M.

$N 89^{\circ} 45'$

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Boundary of the First Standard Parallel Smith, through Range 16 East
6 miles

3.00	Lower dark Pedra valley and dense undergrowth, begin steep descent, bears N. and S.	
17.00	Slope of N. slope of mountain, 300 ft above valley; large stone circle bears, ch. S., descended.	
29.00	Dry wash, 250 ft below top of slope, 20 lbs wide, passes over bank, mixed through dense grasswood, Palo verde and cacti.	
29.30	Broad, bears N. Northly and S. Northly. Difference between measurements of 40.40 chs, by two sets of chainmen is 8 lbs; position of middle point. By 1st set, 40.48 chs; By 2nd set 40.36 chs, the mean of which is	
40.40	Old standard survey which is a decayed stake set in a mound of stone. To establish exact survey point as follows: Set a sandstone, 24 x 14 x 6 ins, 18 ins in the ground, for standard for sets 31 and 32, marked 86 on N. with 5 grooves on E and 1 groove on W. face, from which A mosquito, 5 ins down, bears N 65° E, 78 ft dist, marked 858 R 16 S 32 B 8. A Palo verde, 10 ins down, bears N 65° W, 11 lbs dist, marked 858 R 16 S 31 B 8.	
	Land, level, mountainous and broken. Soil, sandy loam, gravelly and stony; 2nd, 3rd and 4th rates. Timber, mosquito and grasswood and scattering tamar and wash; undergrowth, mosquito, tamar, Palo verde, grasswood, arrow woods and cacti. Grunt cactus. Mountainous or land covered with dense undergrowth, 78.67 chs.	

	East on S. side of set 32.	
	Ascending over bank ground, through dense grasswood, Palo verde and cacti.	
1.10	Dry wash, 20 lbs wide, bears Northly.	
1.28	Old well, bears 5 lbs N.	
	Difference between measurements of 40.00 chs, by two sets of chainmen is 4 lbs; position of middle point. By 1st set, 39.98 chs.	
	By 2nd set, 40.02 chs; the mean of which is	
40.10	Notches of old standard faint and faded. Set a marble stone, 12 x 12 x 10 ins, 12 ins in the	

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Runway of the First Standard Parallel South, through Range 16 East.

~~A~~ ~~Chambers~~

BOOK

1806

	for standard of size over my hand 8 6 1/4 on N. face; from which A fresh road, 8 ins. thick, bears N. 7 1/2° E., 50 lbs dist., marked P.C. 1/4 8 3 2 13 3.
	A fresh road, 8 ins. thick, bears N. 48 1/2° N., 51 lbs dist., marked 1/4 8 3 2 13 8; raised a number of stone 2 ft base, 1/2 ft high, N of cr.
74.10	Dry wash, 20 lbs wide, covers S. Westerly. Difference between measurements of 80.00 chs, by two sets of chambers, is 6 lbs; position of middle point:-
	By 1st set, 80.03 chs.
	By 2nd set, 79.97 chs; the mean of which is
8.00	Diligent search fails to disclose any evidence of old road or brick masonry stone, 18 x 8 x 6 ins, 12 ins in the ground, for standard of sizes 32 and 33, marked 8 6 on N. with 4 grooves on S and 2 grooves on W face, raised a number of stone 2 ft base, 1/2 ft high, N of cr. Site impracticable. Ground, broken and rolling.
	Soil, gravelly and stony; 3rd and 4th rate.
	Scrub, scattering pale rocks, mesquites and Yucca; no new growth, grassy, mesquites, pale rocks, trees at and south.
	Gravel patches.
	Dense new growth, 80 chs.
	Km 17: At this cor. I set off 20.23 ^{13.11} N on the road side, about 12 1/4 m P.M. I observed the sun in the meridian; the resulting lat is. 31° 57' 31"
	East on S body of size 33.
	Over mountainous land, ascending through dense grass- y and earth.
14.10	Slope of N slope of ridge, 240 ft above sea level; desired.
24.20	Along bluff.
28.70	Dry wash, 180 ft below top of slope, 20 lbs wide, covers N Westerly.
31.00	Dry wash, 20 lbs wide, covers N. Westerly; required. Difference between measurements of 40.00 chs, by two sets of chambers, is 6 lbs; position of middle point:-
	By 1st set, 40.03 chs.
	By 2nd set, 39.97 chs; the mean of which is
40.00	No signs of old evv.
	S. 1 on sandstone, 20 x 10 x 10 ins, 15 ins in the ground, for

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Progress of the First Standard Parallel South, through Range 16 East.

BOOK 1800

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BOOK 1800

		standard & set or marked 8 6 1/4 on N face; raised a number of stones 2 ft base, 1/2 ft high, N. of ev. Pits impervious tremble.
45.11		Bank of ridge, 200 ft above gash, bears Northward and Southward; observed.
48.50		Bank of gash, course Southward; as and.
53.00		Top of ridge, 150 ft above gash, bears N. Westward and S. Eastward; observed.
70.25		Begin steep descent to
73.80		Box canyon, 300 ft below top of ridge, 60 ft deep, 20 ft wide, course S E; bank dense undergrowth and obscured.
75.30		Bank of spur, extending S; observed.
76.30		Box canyon, 50 ft deep, 20 ft wide, course S E; observed.
79.00		Bank of spur, extending S; observed.
		Difference between measurements of 80.00 chs, by two sets of chainmen, is 8 chs; position of middle point.
		By 1st set, 79.96 chs.
		By 2nd set, 80.04 chs, the mean of which is
80.00		All signs of old ev.
		Set in limestone, 18 x 8 x 6 ins, 12 ins in the ground, for standard ev of sets 33 and 34, marked 8 6 in N, with 3 grooves on E and W faces; and raised a number of stones 2 ft base, 1/2 ft high, N. of ev. Pits impervious.
		Ground, mountainous.
		Soil, gravelly, stony and rocky; 3rd and 4th strata.
		Similar, containing pale rocks and marl; undergrowth, yucca, mesquite, tamarisk, and cactus.
		Great cacti.
		Mountainous land covered with dense undergrowth, 80.00 chs.
		June 17, 1914.

June 18: At 6^h 30^m a.m., 1 m 2, 80' off ^{32° 57' 27"} ~~31° 57' 27"~~ on the
Cat Creek, ^{29° 56'} ~~20° 45'~~ N on the decl. side; and determine a
meridian with the solar at the standard ev of sets 33
and 34.

Barometer 8 mm

East on S side of sets 34.

Over mountainous land, descending.

3.00 Box canyon, 1 ch wide, course S. S. Eastward; as and.

7.00 Top of ridge, 100 ft above canyon, bears Northward and
Southward; observed.

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Runway of the First Standard Parallel South, through Ronnel 16 East.
6 miles.

BOOK 1808	<p>11.00 Box canyon, 150 ft below top of ridge, 60 ft. wide, 40 lbs sand, course S. Westerly; as erod.</p> <p>20.00 Top of N. slope of ridge, 200 ft above canyon; as erod.</p> <p>28.00 Canyon, 200 ft below top of slope, 80 lbs. wide, course N. through S. westerly;</p> <p>36.00 Canyon, 200 ft wide, course S. westerly; as erod.</p> <p>37.50 Big wash as cut.</p> <p>Difference between measurements of 40.00 chs, by two sets of hammer, is 10 lbs; position of middle point.</p> <p>By 1st set, 39.95 chs.</p> <p>By 2nd set, 40.05 chs; the mean of which is</p>
	<p>40.00 Careful search fails to discover any traces of old ore env. Set a limestone, 18 x 10 x 5 ins, 12 ins in the ground, for stone and ore. marked 5 6 1/4 in. N. face; and major in number of stones 2 ft base, 1 1/2 ft high, N. of env. This is impracticable.</p> <p>41.00 Top of ridge, 100 ft above canyon, bars N. and S. W. through a long ridge.</p> <p>56.00 In canyon, 1 ch wide, course S. Westerly; as erod.</p> <p>60.00 Top of ridge, bars N. & westerly and S. Westerly; as erod.</p> <p>74.00 Top of ridge, 500 ft above S. env, bars N. Eastery and S. Westerly, as erod.</p> <p>Difference between measurements of 8000 chs, by two sets of hammer, is 12 lbs; position of middle point.</p> <p>By 1st set 8006 chs.</p> <p>By 2nd set, 79.94 chs. The mean of which is</p>
	<p>80.00 Find no signs of old ore env.</p> <p>Set a limestone, 18 x 10 x 8 ins, 12 ins in the ground, for stone and ore of sizes 34 and 38, marked 8 6 on N. with 2 grooves on E and 4 grooves on N face; and major in number of stones 2 ft base, 1 1/2 ft high, N. of env. This is impracticable.</p> <p>Soil, gravelly and stony; sand and 4 th rate,</p> <p>Pine, some young trees remain; undergrowth,</p> <p>Cholla, grasswood, prairie weeds, huisache, Spanish bayonet and cacti.</p> <p>Gravel wash.</p> <p>Mountainous land, 8000 chs.</p>
	<p>East on S. edge of ore 35.</p> <p>Over mountainous land, as eroding.</p>

Runway of the First Standard Parallel South, through Range 16 East.

2.50	Bulch, 20 lbs wide, course N. Westerly; as wind.	
9.70	Spt of ridge, bars Northerly and Southerly; discerned abruptly to	
11.00	Canyon, 2 chs wide, course S. W. and as wind steep.	
26.00	Spt of ridge, 250 ft above canyon, bars N. Westerly and S. Easterly; discerned along E. slope.	
32.00	Bulch, 150 ft below top of ridge, 20 chs wide, course N. Westerly; as wind.	
	Difference between measurements of 40.00 chs, by two sets of chamfer, is 8 lbs; position of middle point.	
	By 1st set 39.96 chs.	
+ 40.00	By 2nd set, 40.04 chs; the mean of which is	
	No signs of old $\frac{1}{4}$ sec ev.	
	Set a primitive stone, $24 \times 15 \times 10$ ins, 18 ins in the ground, for standard $\frac{1}{4}$ sec ev marked S 6 $\frac{1}{4}$ in N. face; and raise a mound of stone 2 ft base, $1\frac{1}{2}$ ft high, N. of ev. Pts impracticable.	
	Difference between measurements of 8.000 chs by two sets of chamfer, is 10 lbs; position of middle point.	
	By 1st set, 80.05 chs.	
8.00	By 2nd set, 79.95 chs; the mean of which is	
	End no survivor of old ev.	
	Set in limestone, $18 \times 8 \times 6$ ins, 12 ins in the ground, for standard ev of ones 35 and 36, marked S 6 in N. with 1 groove on E and 5 grooves on W face; from which it falls over, 8 ins down, bars N 23 $\frac{1}{2}$ E, 8 lbs dist, marked S 6-8 R 16 E 836 B S.	
	A pralo verde, 8 ins diam, bars N 81 $\frac{1}{4}$ W, 42 lbs dist, marked S 5 S R 16 E 835 B S; and raise a mound of stone 2 ft base, $1\frac{1}{2}$ ft high, N. of ev.	
	Land, mountainous.	
	Soil, gravelly, stony and rocky; 3rd and 4th rates.	
	Timber, scattering pralo verde, undergrowth, grasswood, yucca, krota, pralo verde, palmilla, Spanish bayonet, arbol, mezcal, johova and cacti.	
	Land cactus.	
	Mountainous land, 8000 chs.	
	June 18: At this ev I set off $23^{\circ} 25' N$ on the arbol slope, and at $12^{\circ} 0' m / 1$, observed the sun on the mer- idian; the resulting lat is $32^{\circ} 57' 7''$	
	East, on S. body of sec 36.	

Rossway of the First Standard Parallel Smith, through Range 16 East.
Alabama.

	Over mountainous land, ascending along S slope of mountain.
25.00	Top of slope, 300 ft above sea level descended.
33.00	Gulch, 20 lbs wide, course S. Easterly.
39.00	Gulch, 25 lbs wide, course S. Westerly; sea level.
	Difference between measurements of 40.00 chs, by two sets of chainmen, is 10 lbs; position of middle point.
	By 1st set, 39.95 chs.
	By 2nd set, 40.05 chs; the mean of which is
40.00	After search of old 1/4 acre no cor. found.
	Sit on limestone, 18 x 8 x 8 ins, 12 ins in the ground, for standard 1/4 acre marked S 6 1/4 W. face; and raised a mound of stone 2 ft base, 1/2 ft high, N. of cor. Both in proportionality.
71.00	Top of Bluff mountain, 1000 ft above San Pedro valley, bears Northwesterly and Southwesterly; and begins descent along N. slope.
	Difference between measurements of 81.00 chs, by two sets of chainmen, is 8 lbs; position of middle point.
	By 1st set, 80.04 chs.
	By 2nd set, 79.96 chs; the mean of which is
80.00	After diligent search no signs of old Sp. cor. found.
	Sit on marlgrain stone, 20 x 14 x 10 ins, 15 ins in the ground, for standard cor of 3 ps 5 8, Ps 16 and 17 8, marked S 6 on N. with 6 grooves on N., E. and W. faces; from which a rodar, 8 ins diam, bears N 33 3/4° E, 32 1/2 lbs dist, marked P 5 8 Ps 17 8 3 1/2 8.
	A rodar, 9 ins diam, bears N 56° W, 3 1/2 lbs dist, marked P 5 8 Ps 16 8 3 3 1/2 8; and raised a mound of stone 3 ft base, 2 ft high, N. of cor.
	Land, mountainous.
	Soil, gravelly, stony and rocky; 3rd and 4th rates.
	Timber, scattering mesquites, acacias and cedar; undergrowth, yucca, acacia wood, mesquite, huisache, mahogany, Spanish bayonet, smoke, myrtle, eucalyptus and arrow woods and bactrata in canyons.
	Giant cactus.
	Mountainous land, 8000 chs

June 18, 1911 H.

General Description.

Survey of the First Standard Parallel South, through Range 16 East.

This line runs over mountainous, broken and level land. The soil is gravelly and stony gravelly, there is, however, some good farming land in the San Pedro bottom. There is no water along the line other than in the San Pedro. Cottonwood and mesquite timber is found in the valley and cedar in the Black mountains. There are several settlers in sections 30 and 31, S 35-8, R 16 E. S 6 S, R 16 E, is mountainous, rolling and broken. The San Pedro river traverses the western portion of the section.

Philip Conzen

W. S. Deputy Surveyor.

Note: In running the 1st standard Parallel south through Range 16 East, solar observations were determined at intervals not to exceed 15 chains, thus avoiding the necessity of surveying this line by the secant or tangent method.

— Philip Conzen
W. S. Deputy Surveyor.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by *Philip Bryant*

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 First Standard Parallel South, Through Range 16 East
showing the respective capacities in which they acted:

John M. Grayson, Chainman.

Bernard Bright, Chainman.

Arthur Darnal, Moundman, Chainman

Austin A. Lysight, Moundman, Chainman

Charles G. Aldridge, Axman, Moundman

James Kerick, Axman.

Arnold Pogue, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted *Philip Bryant*

United States Deputy Surveyor, in surveying all those parts or portions of the *First Standard Parallel South, Through Range 16 East*

of the *Gila*
and Salt River meridian, *Serrity* 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*.

John M. Grayson, Chainman.
Arthur Darnal, Chainman.

Bernard Bright, Moundman, Chainman

Austin A. Lysight, Moundman, Chainman

Charles G. Aldridge, Axman, Moundman

James Kerick, Axman.

Arthur Pogue, Flagman.

Subscribed and sworn to before me this

24th

day of

August, 1891. }



D. J. Penny

NOTARY PUBLIC PIMA COUNTY

My commission expires September 9, 1907.

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Philip Conzzen, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Frank S. Bigham, United States Surveyor General for Arizona, bearing date of the 18th 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 First Standard Parallel Meridian, through the Gila and Salt River meridians, in the Territory of Arizona,

of the Gila and Salt River meridians, 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 Conzzen
United States Deputy Surveyor.

Subscribed by said Philip Conzzen, and sworn to before me }
this 24th day of August, 1894. }



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

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona

Oct. 1st 1904

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The foregoing field notes of the survey of the first standard Parallel of the 16th Range East of the Gila & Salt River Base Meridian, in the Territory of Arizona

executed by Philip Conzzen, U.S. Dep. Surveyor, under his contract No. 114, dated March 18, 1894, 1894, 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. Bigham
United States Surveyor General.
for Arizona

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.

Frank S. Bigham
United States Surveyor General.
for Arizona