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MAY 21 1911

Book H. BOOK 2407

FIELD NOTES

re
OF THE SURVEY OF THE

Fifth Standard Parallel North through

R. H. W.

and
Retracement of one half mile through R. 10W.

Of the T. & S. P. B. & T. Meridian,

Arizona

AS SURVEYED BY

W. S. C. Ham, United States Deputy Surveyor,

Under his Contract No. 162, dated Jan 5, 1910

Survey commenced Feb 19th, 1911

Survey completed Feb 25, 1911

NAMES AND DUTIES OF ASSISTANTS.

Arthur W. Pogue

Chairman

Edwin Young

Chairman

Albert H. Taylor

Chairman

E. B. Taylor

Chairman

R. L. Taylor

Chairman

W. E. Anderson

Chairman

BOOK 2407

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Fifth Standard Parallel North
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BOOK 2407

PRELIMINARY OATHS OF ASSISTANTS.

WE, Arthur M. Pagan and Elmer Young,
do solemnly swear that we will well and faithfully execute the duties of chainmen; 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 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 T. N. W.

Arthur M. Pagan, Chainman.
Elmer Young, Chainman.

Subscribed and sworn to before me this 19
day of Feb, 1911



W. S. DeLoach
U.S. Deputy Surveyor

WE, Albert Murphy and R. L. Martin,
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 T. N. W.

Albert Murphy, Axman
R. L. Martin, Moundman.

Subscribed and sworn to before me this 19th
day of February, 1911



W. S. DeLoach
U.S. Deputy Surveyor

WE, R. B. Tyrone and
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 T. N. W.

R. B. Tyrone, Axman.
W. S. DeLoach, Axman.

Subscribed and sworn to before me this 19th
day of February, 1911



W. S. DeLoach
U.S. Deputy Surveyor

I, W. E. Anderson, 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 T. N. W.

W. E. Anderson, Flagman.

Subscribed and sworn to before me this 19
day of February, 1911



W. S. DeLoach
U.S. Deputy Surveyor

Resurvey
Fifth Standard Parellel North Through Range 11 West

1D

Chains. Survey commenced February 19, 1911, and executed with a Young & Sons light mountain transit, No. 5609, the horizontal limb being provided with two opposite verniers reading to single minutes of arc, equipped with a Smith solar attachment.

February 19, 1911: At $\frac{1}{4}$ Standard Corner of Section 31, Township 21 North, Range 10 West, which is a stone marked and witnessed as described by the Surveyor General, at 4 p.m., l.m.t. I set off $11^{\circ}22'5''$ on the decl. arc; $35^{\circ}10'N$ on the lat. arc; and determine a meridian with the solar. I mark point in meridian 5 chs. N. of $\frac{1}{4}$ Std. Cor., by a groove cut in a stone firmly set in the ground.

At 9h 28m p.m., l.m.t., I observe Polaris at western elongation, according to instructions contained in the Manual, and mark point by a tack driven in a wooden peg 5 chs. N. of $\frac{1}{4}$ Std. Cor.

February 20, 1911: At 7 a.m., l.m.t. I set off $1^{\circ}25'$ to the east of mark determined by observation obtained on Polaris, and mark line thus determined by a cross on a stone, which falls 0.2 ins. E. of groove determined by p.m. solar observation.

At 8h 12m a.m., l.m.t., I set off $11^{\circ}06'S$ on the decl. arc; $35^{\circ}10'N$ on the lat. arc; and mark meridian thus determined by a groove on the stone set 5 chs. N. of $\frac{1}{4}$ Std. Cor., which falls 0.3 ins. E. of cross determined by Polaris observation.

The a.m. and p.m. observations thus give lines 0.3 ins. and 0.2 ins., respectively E. and W. of meridian determined by Polaris; therefore I judge adjustment of instrument and solar attachment to be satisfactory

At 12h 14m p.m., l.m.t., I set off $11^{\circ}05'S$ on the decl. arc; and observe the sun on the meridian, and obtain on the lat. arc the reading $35^{\circ}10'N$, which agrees with other data.

Thence I run
N. $89^{\circ}42'W$, on a true line, on S. bdy. of 31

6.00 Descending over mountainous land and granite boulders
Foot of descent; wash, 40 lks. wide, course NE; ascend
over rocky, steep slope, over loose volcanic boulders

30.00 Top of ascent, 500 ft. above wash, brs. NE and SW; desc.
along W. slope

Difference between measurement of 40.00 chs. by two sets
of chainmen, is 8 lks.; position of middle point
By 1st set, 39.96 chs.
By 2nd set, 40.04; the mean of which is

40.00 To standard township cor., Tps. 21 N., Rs. 10 and 11 W., which
is a stone, marked and witnessed as described by the
surveyor general. Latitude $35^{\circ}09'36''N$; Longitude $113^{\circ}26'47''W$.

Land, mountainous
Soil, rocky; 4th and 5th rate.
Timber pinon and cedar.
Undergrowth, scrub oak.
Mountainous and rocky land, or land covered with boulders
or volcanic cinders and exceptionally difficult to
survey, 40.00 chs.

February 20, 1911.

From a general search along the Standard line, and from information received by several surveyors there appear to be no corners on the Standard line through Range 11 West, therefore I proceed to resurvey the same.

February 23, 1911: At 9h 13m a.m., l.m.t., I set off $10^{\circ}02'S$ on the decl. arc; $35^{\circ}10'N$ on the lat. arc; and determine a meridian with the solar ~~xxx~~ at the Std. Tp. cor. of Tps. 21 N., Rs. 10 and 11 W.

Thence I run
West on a true line on S. bdy. sec. 36
Over mountainous land, descending over large granite
boulders.

Resurvey of
Fifth Standard Parallel North, Through Range 11 West.

Chains.	
10.00	Gulch, 25 lks. wide, course NE, 200 ft. below cor; ascend
16.50	Top on S. slope of hill 100 ft. above gulch, brs. NE and SW; descend
23.00	Ravine, 20 lks. wide, course NW 75 ft. below top; ascend along N. slope.
26.00	Top of N. slope; brs. NE and SW; descend
36.00	Ravine, 30 lks. wide, course NE, 150 ft. below top of N. slope.
	Difference between measurements of 40.00 chs., by two sets of chainmen is 6 lks.; position of middle point By 1st set, 40.04 chs. By 2nd set, 39.96 chs., the mean of which is
40.00	Set a granite stone, 18x8x6 ins., 12 ins. in the ground, for standard $\frac{1}{4}$ sec. cor., marked S C $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high N. of cor. After diligent search no traces of old $\frac{1}{4}$ sec. cor found. Variation, N. 15° E.
	Ascend
53.00	Top of spur, brs. NW and SE; ascend steeply over large granite boulders.
59.35	Top of ridge, brs. NW and SE, 700 ft. above $\frac{1}{4}$ cor.; descend over large granite boulders 600 ft. to E. fork of cotton wood wash.
	Difference between measurements of 80.00 chs., by two sets of chainmen, is 16 lks.; position of middle point By 1st set, 79.92 chs. By 2nd set, 80.08 chs., the mean of which is
80.00	Set a granite stone, 20x10x6 ins., 13 ins. in the ground for standard cor. of secs. 35 and 36, marked S C on N., 1 groove on E. and 5 grooves on W. face; from which A cedar, 15 ins. diam., brs. N. 52° 25' W., 494 lks. dist., marked T 21 N R 11 W S 35 B T No other trees available. Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. Pits impracticable. After diligent search no traces of old cor. to be found. Variation, N. 15° E.
	Land, mountainous. Soil, rocky; 4th and 5th rate. Timber cedar and pinon. Undergrowth, oak. Very mountainous land, steep ascents and descents or land covered with boulders and rocks and exceptionally difficult to survey, 80.00 chs.

	February 23, 1911: At the cor. of secs. 36 and 35 I set off 10° 00' 5" on the decl. arc; and at 12h 14m p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 33° 10' $\frac{1}{2}$; thence I run West on a true line on S. bdy. sec. 35 Over mountainous land, descending.
10.46	Bottom of descent, 700 ft. below ridge; E. branch of cottonwood wash, 45 lks. wide, course WNW; run parallel an average of 8 chs. N. of line; ascend
25.00	Top of spur, brs. NE and SW, 150 ft. above wash; descend
26.00	5 in. cedar tree on line.
30.40	Ravine, 30 lks. wide, course NE; ascend Difference between measurement of 40.00 chs. by two sets of chainmen is 8 lks.; position of middle point By 1st set, 40.04 chs. By 2nd set, 39.96 chs., the mean of which is
40.00	Set a porphyry stone, 18x10x6 ins., 12 ins. in the ground for standard $\frac{1}{4}$ sec. cor., marked S C $\frac{1}{4}$ on N. face; from which A cedar, 10 ins. diam., brs. N. 60° 15' E., 114 lks. dist., marked S C $\frac{1}{4}$ S 35 B T. No other trees available.

Resurvey of
Fifth Standard Parallel North, Through Range 11 West 3

Chains.	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.
	Variation, N. 15° E.
56.00	Top of NE slope, 800 ft. above cottonwood wash; descend
66.00	Ravine, 30 lks. wide, course NE, 200 ft. below top; asc. on N. slope.
76.50	Top of N. slope, brs. N and S; descend over steep cliffs. Difference between measurements of 80.00 chs., by two sets of chainmen is 12 lks.; position of middle point
	By 1st set, 79.94 chs.
	By 2nd set, 80.06 chs., the mean of which is
80.00	Set a porphyry stone, 18x10x10 ins., 12 ins. in the ground for standard cor. of secs. 34 and 35, marked S C on N., 2 grooves on E. and 4 grooves on W. face; from which
	A pinon, 9 ins. diam., brs. N. 75° 02' W., 107 lks. dist., marked T 21 N R 11 W S 34 B T
	No other trees available.
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.
	After diligent search, no traces of old cor. to be found.
	Variation, N. 15° E.
	Cor. is situated 2 chs. N. of steep rocky cliffs, 500 ft. above cottonwood wash.
	Land, mountainous.
	Soil, rocky; 4th and 5th rate.
	Timber, pinon and cedar.
	Undergrowth, scrub oak.
	Very mountainous land covered with rocks and boulders, cliffs and steep ascents and descents and exceptionally difficult to survey, 80.00 chs.
	February 23, 1911.
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	February 24: At 8 a.m., l.m.t., I set off 9° 41' S on the decl. arc; 35° 10' N on the lat. arc; and determine a meridian with the solar at the cor. of secs. 34 and 35.
	Thence I run
	West on a true line on S. bdy. sec. 34.
2.50	12 in. cedar on line.
14.45	Gulch, 30 lks. wide, course NW, 400 ft. below sec. cor.; ascend along N. slope of ridge.
26.50	Top of N. slope of ridge, brs. NW and SE; descend
36.00	Ravine 35 lks. wide, course NW; ascend
	Difference between measurements of 40.00 chs. by two sets of chainmen is 10 lks.; position of middle point
	By 1st set 40.05 chs.
	By 2nd set, 39.95 chs., the mean of which is
40.00	Set a tufa stone, 16x8x6 ins., 10 ins. in the ground for standard ¼ sec. cor., marked S C ¼ on N face; from which
	A cedar, 30 ins. diam., brs. S. 22° 32' W., 92 lks. dist., marked S C ¼ on N. face; from which
	A cedar, 30 ins. diam., brs. S. 22° 32' W., 92 lks. dist., marked S C ¼ S 3 B T
	A cedar, 12 ins. diam., brs. N. 73° 42' W., 79 lks. dist., marked S C ¼ S 34 B T
	After diligent search could find no trace of old ¼ cor.
	Variation, N. 15° E.
	Thence descend gradually
45.40	Trail, brs. NE and SW.
60.64	Each fork cottonwood wash, 40 lks. wide, course S; thence along creek bottom, over loose rock and boulders
64.00	Cross same wash, course NW
68.00	Cross same wash, course SW
68.45	Ascend bluff 60 ft. high.
76.00	Top of ridge, brs. SW and NE.
	Difference between measurements of 80.00 chs. by two sets of chainmen is 10 lks.; position of middle point
	By 1st set, 79.95 chs.
	By 2nd set, 80.05 chs., the mean of which is
80.00	Set a porphyry stone, 24, x12x10 ins., 16 ins. in the ground

Resurvey of
Fifth Standard Parallel North, Through Range 11 West

Chains	<p>for standard cor. of secs. 33 and 34, marked S C on N., 3 grooves on E and W. face; from which A cedar, 15 ins. diam., brs. N. 46° 30' E., 103 lks. dist., marked T 21 N R 11 W S 34 B T A cedar, 18 ins. diam., brs. N. 31° 10' W., 239 lks. dist., marked T 21 N R 11 W S 33 B T No other trees available. Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable. After diligent search, could find no traces of old cor. Variation, N. 15° E. Land, mountainous. Soil, rocky; 4th and 5th rate. Timber, pinon and cedar. Undergrowth, scrub oak. Very mountainous land, steep ascents and descents or land covered with rocks and boulders and exception- ally difficult to survey, 80.00 chs.</p> <hr/> <p>February, 24: At the cor. of secs. 33 and 34, I. set off 9° 38' S. on the decl. arc; and at 12h 13m p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 35° 09' N. Thence I run West on S. bdy. of sec. 33. Over mountainous ^{land}, descending on W. slope of ridge, through dense undergrowth. 5.00 Begin ascent on S. slope over steep, rocky slope; leave dense cedar. 16.45 Wagon road, brs. NW and SE. Difference between measurements of 40.00 chs. by two sets of chainmen is 16 lks.; position of middle point. By 1st set, 40.08 chs. By 2nd set, 39.92 chs., the mean of which is 40.00 Point for standard ¼ sec. cor. falls on porphyry boulder, 3x3x2 ft. above ground, on E. slope about 600 ft. above sec. cor., on which Cut a cross (X) at the corner point for standard ¼ sec. cor., marked S C ¼, on N. side of cross; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable. After diligent search, no traces of old ¼ cor. could be found. Variation, N. 15° E. 50.00 Top of ridge, brs. NE and SW, 100 ft. above ¼ cor. Desc. on NW slope of ridge. 64.50 Ravine, 30 lks. wide, course NW; ascend, 450 ft. below top. 68.65 Cliff of rocks about 70 ft. high. 70.00 Top of saddle, brs. NW and SE; ascend on S. slope of hill. 74.50 Top of S. slope of hill, brs. NW and SE; descend Difference between measurements of 80.00 chs. by two sets of chainmen, is 12 lks.; position of middle point. By 1st set, 79.94 chs., By 2nd set, 80.06 chs., the mean of which is 80.00 Set a porphyry stone, 18x10x8 ins., 12 ins. in the ground for standard cor. of secs. 32 and 33, marked S C on N., 2 grooves on W. and 4 grooves on E. face; from which A cedar, 20 ins. diam., brs. S. 49° 17' E., 98 lks. dist., marked T 20 N R 11 W S 4 B T A cedar, 15 ins. diam., brs. N. 42° 29' E., 84 lks. dist., marked T 21 N R 11 W S 33 B T A cedar, 20 ins. diam., brs. N. 80° 16' W., 217 lks. dist., marked T 21 N R 11 W S 32 B T A cedar 20 ins. diam., brs. S. 30° 00' W., 261 lks. dist., marked T 20 N R 11 W S 5 B T This corner falls in saddle.. After diligent search, could find no traces of old cor. Variation, N. 15° 30' E.</p>
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Resurvey of
Fifth Standard Parallel North, Through Range 11 West. 5

Chains.	Land, mountainous. Timber, cedar. Undergrowth, scattered scrub oak. Soil, rocky; 4th and 5th rate. Very mountainous land, steep, rocky slopes over loose porphyry or land covered with dense cedar or boulders, and exceptionally difficult to survey, 80.00 chs. February 24, 1911.
29.00	February 25: At 8 a.m., l.m.t., I set off $9^{\circ}18'$ S. on the decl. arc; $35^{\circ}10'$ N on the lat. arc; and determine a meridian with the solar at the Std. Cor. of Secs. 32 and 33. Thence I run West on a true line on S. bdy. sec. 32 Over mountainous, rocky slope, ascending 700 ft. Top of N. slope of mountain 900 ft. above sec. cor., about 8 chs. N. of top of mountain; descend on N. slope. Difference between measurements of 40.00 chs. by two sets of chainmen, is 16 lks.; position of middle point. By 1st set, 39.92 chs., By 2nd set, 40.08 chs., the mean of which is
40.00	Set a porphyry stone, 18x8x6 ins., 12 ins. in the ground for standard $\frac{1}{4}$ sec. cor., marked S C $\frac{1}{4}$ on N. face; from which A cedar, 20 ins. diam., brs. S, $83^{\circ}34'$ E., 122 lks. dist., marked S C $\frac{1}{4}$ S 5 B T A cedar, 15 ins. diam., brs. N, $66^{\circ}02'$ W., 159 lks. dist., marked S C $\frac{1}{4}$ S 32 B T After diligent search could find no traces of old $\frac{1}{4}$ cor. Variation, N. 19° E.
46.00	South slope of saddle, brs. NW and SE, 400 ft. below top. Ascend
55.00	Top of rocky porphyry spur, brs. NW and SE; descend on S. slope,
59.00	Top of rocky bluff 90 ft. high, brs. NW and SE; descend on S. slope.
69.00	About 2 chs. S. of 150 ft. bluff. Difference between measurements of 80.00 chs. by two sets of chainmen, is 10 lks.; position of middle point By 1st set, 80.05 chs., By 2nd set, 79.95 chs., the mean of which is
80.00	On E. bank of small ravine, about 600 ft. below rocky bluff. Set a porphyry stone, 20x10x6 ins., 15 ins. in the ground for standard cor. of secs. 31 and 32, marked S C on N., 1 groove on W. 5 grooves on E. face; from which A cedar, 9 ins. diam., brs. N, $5^{\circ}12'$ W., 33 lks. dist., marked T 21 N R 11 W S 31 B T No other trees available. Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable. After diligent search no traces of old cor. to be found. Variation, N. $20^{\circ}30'$ E. S. about 1 mile to ranch house on E. branch of cottonwood creek. Land, mountainous. Soil, rocky; 4th and 5th rate. Timber, cedar. Undergrowth, scrub oak. Very mountainous land, steep slopes covered with loose rock or boulders and exceptionally difficult to survey, 80.00 chs.
	February 25: At the cor. of secs. 31 and 32, I set off $9^{\circ}16'$ S on the decl. arc; and at 12h 13m p.m., l.m.t., observe the sun on the meridian; the resulting lat. is $35^{\circ}10'$ N. Thence I run West on a true line on S. bdy. sec. 31

6 Resurvey of
Fifth Standard Parallel North, Through Range 11 West.

Chains	Over mountainous land
0.25	Ravine, 5 lks. wide, course SW; ascend
2.50	Top of ridge, brs. NE and SW; descend
5.35	Ravine, 20 lks. wide, course SE; ascend with great difficulty steep slope covered with loose rock.
21.00	Foot of 75 ft. bluff.
25.00	Top of ridge, brs. NW and SE, 800 ft. above sec.cor.; descend
	Difference between measurements of 40.00 chs. by two sets of chainmen, is 14 lks.; position of middle point.
	By 1st set, 39.93 chs.
	By 2nd set, 40.07 chs., the mean of which is
40.00	On S. slope of E and W ridge
	Set a porphyry stone, 18x12x6 ins., 12 ins. in the ground for standard $\frac{1}{4}$ sec.cor., marked S C $\frac{1}{4}$ on N. face; from which
	A cedar, 6 ins. diam., brs. N. 12° 00' W., 64 lks. dist., marked S C $\frac{1}{4}$ S 31 B T
	A cedar, 6 ins. diam. brs. S. 84° 43' W., 126 lks. dist., marked S C $\frac{1}{4}$ S 6 B T
	After diligent search, no traces of old $\frac{1}{4}$ cor. to be found
	Variation, N. 14° 45' E.
44.00	Top of ridge, brs. NE and SW; descend
62.00	Wash, 60 lks. wide, course SW, 500 ft. below top of ridge; ascend over boulders with great difficulty
67.00	Top of spur, brs. NE and SW, large granite boulder 150 ft. above wash; descend
72.00	Ravine, 30 lks. wide, course SW; ascend
	Difference between measurements of 80.00 chs. by two sets of chainmen, is 12 lks.; position of middle point
	By 1st set, 80.06 chs.
	By 2nd set, 79.94 chs., the mean of which is
80.00	Set a granite stone, 24x10x10 ins., 18 ins. in the ground for standard cor. of Tps. 21 N., Rs. 11 and 12 W., marked S C on N.; with 6 grooves on N., E. and W. faces; from which
	A pinon 14 ins. diam., brs. S. 19° 40' W., 30 lks. dist., marked T 20 N., R. 12 W. S 31 B T
	No other trees available.
	Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
	After diligent search, no traces of old cor. to be found.
	Variation, N. 15° 30' E.
	Land, mountainous.
	Soil, rocky; 4th and 5th rate.
	Timber, cedar.
	Very mountainous land, steep slopes covered with rocks and boulders and exceptionally difficult to survey, 80.00 chs.

February 25, 1911.

GENERAL DESCRIPTION

This line runs over mountainous and broken land, covered largely with loose rocks and boulders. There is pinon and cedar timber and scrub oak. The soil is rocky and of no value for agricultural purposes. There is no water, nor any settlers along said line.

The township on the south, in general, is similar in character to the land along the standard.

Racelle A. ...

U.S. Deputy Surveyor.

February 25, 1911.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Walter Ham

....., 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 Trumbull

Fifth S.W. Corner

showing the respective capacities in which they acted:

- Arthur Meyer Chainman.
- Oliver Young Chainman.
- R. L. Martin Monumentman
- Albert Murphy Monumentman
- Albert Murphy Axman.
- Axman.
- W. E. Anderson Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Walter Ham

....., United States Deputy Surveyor, in surveying all

those parts or portions of the Fifth S.W. Corner

Trumbull

..... of the 11th meridian, Trumbull Territory of Wyoming, 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 Wyoming

- Arthur Meyer Chainman.
- Oliver Young Chainman.
- R. L. Martin Monumentman
- Albert Murphy Monumentman
- N. T. Tyree Axman.
- W. E. Anderson Flagman.

Subscribed and sworn to before me this 13 day of March, 19 11

Walter Ham
U.S. Deputy Surveyor



8 92

BOOK 2407

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Roscoe O'Hann, 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 5 day of January, 1910, 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 Fifth Standard Parallel from T 21 N R 11 W.

7 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.

Roscoe O'Hann
United States Deputy Surveyor.

Subscribed by said Roscoe O'Hann, and sworn to before me
this 17 day of March, 1911

W. H. ...
W. H. ...



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Ariz **MAY 14**, 1913

The foregoing field notes of the survey of the retracement of one half mile of the Fifth Standard Parallel N. through Rg. 10 W. and resurvey through Rg. 11 E. of the Salt and Salt River Basins and Mexican, Arizona

executed by Roscoe O'Hann U.S. Dep. Sur.
under his contract No. 162, dated January 5, 1910, 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.