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Book "F"

BOOK 3484

FIELD NOTES

OF THE SURVEY OF

part (completion) of the Subdivision lines of

Township 12 South, Range 26 East,

Of the Gila and Salt River Base and *Meridian,*

In the State of Arizona

EXECUTED BY

Guy R. Veal, and

Karl L. Siebecker,

U. S. Transitmen,

In the capacity of U. S. Surveyors, under instructions dated October 6, *1919*, *issued by the United States Surveyor General to govern surveys included in Group No.* 102, Arizona, *which were approved by the Commissioner of the General Land Office,* October 24, 1919, and Assignment Instructions dated Nov. 4 & 18, 1919.

Survey commenced March 8, *1920*

Survey completed March 9, *1920*

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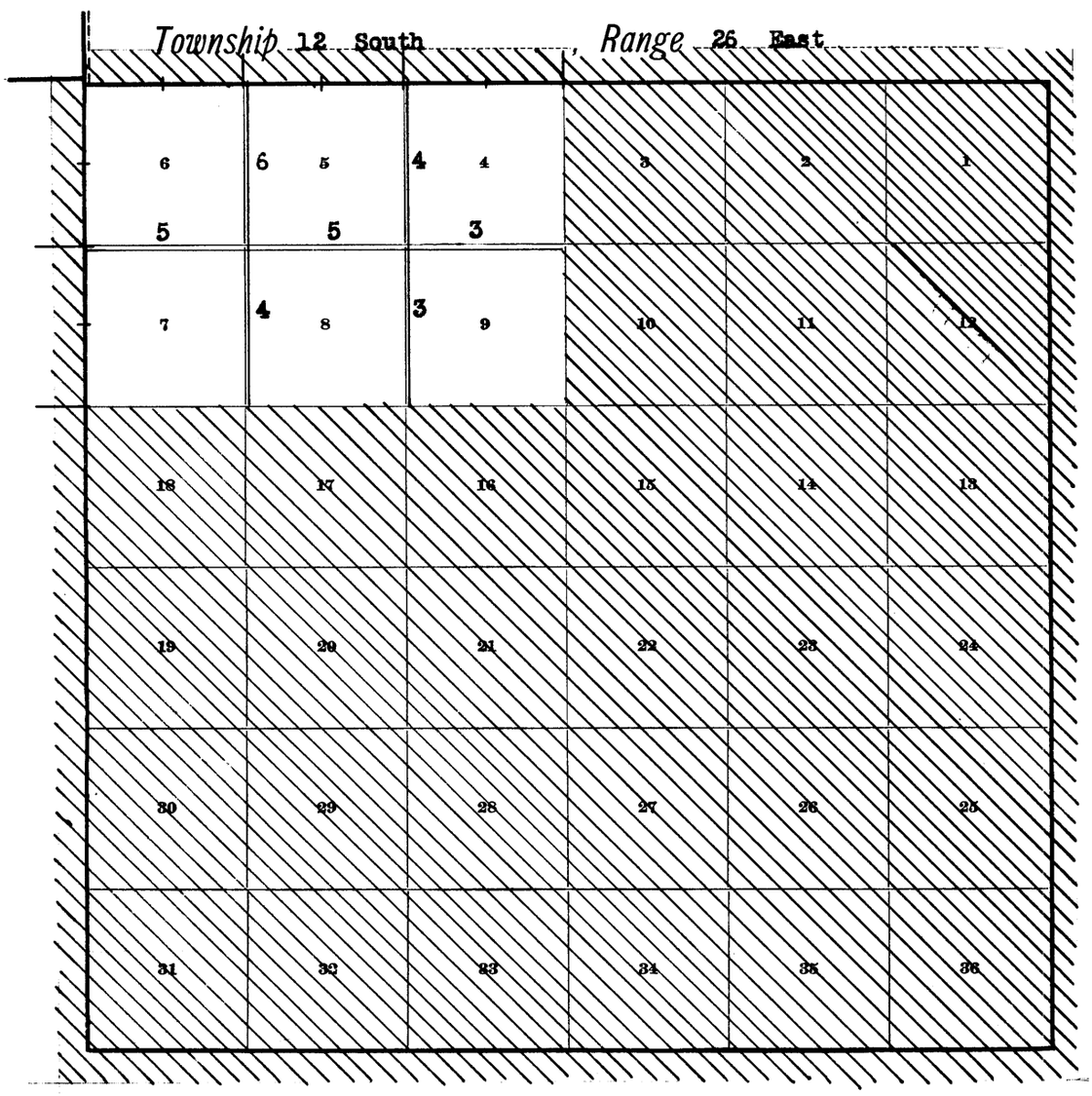
(A)

BOOK 3484

INDEX DIAGRAM.



Lines surveyed under this Group.

Lines resurveyed under this Group.

Accepted surveys.

Areas surveyed as per accepted plats on file.

3484

Book "F"

Date Diagram

Township 12 South, Range 26 East

6	3-9-20 5	3-8-20 4	3	2	1
3-9-20 7	3-9-20 3-9-20 8	3-8-20 3-8-20 9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Brown lines on above diagram indicate accepted surveys.

Black lines on above diagram indicate surveys executed by Guy R. Veal, U. S. Transitman, on dates shown thereon.

Red lines on above diagram indicate surveys executed by Karl L. Siebecker, U. S. Transitman, on dates shown thereon.

Surveys hereinafter described executed by Guy R. Veal and Karl L. Siebecker, U. S. Transitmen, on dates shown on diagram on page 1 hereof, using respectively Buff solar transit No. 9939 and Young and Sons' light mountain transit No. 8522, described with certificate of approval by the Assistant Supervisor of Surveys in Book "A".

We examine the adjustments of the transits and correct all errors; then, to test the solar apparatus, by comparing their indications, resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris at elongation, we proceed as follows:

March 7, 1920: At our camp in sec. 13, T. 11 S., R. 25 E., G. and S. R. B. and M., lat. 32°28½'N., long. 109°43½'W., at 10 hrs. 0 m., a.m., l.m.t., using the meridian determined as described in Book "E", we set off 32°28½'N. on the lat. arcs; 5°10½'S. on the decl. arcs; and determine a meridian with each solar, which in each case agrees with the true meridian.

At apparent noon, with the lat. arcs unchanged, we observe the sun on the meridian with each solar; the resulting decl. in each case is 5°8½'S., which is the computed decl. of the sun.

At 3 hrs. 0 m., p.m., l.m.t., with the lat. arcs unchanged, we set off 5°5½'S. on the decl. arcs, and determine a meridian with each solar, which in each case agrees with the true meridian.

As all of the solar observations duringthe usual hours of solar work come within 1'30" of the true meridian, we conclude that the adjustments of the instruments are satisfactory.

Unless otherwise specified, all measurements are made with a Lufkin steel tape 5 chs. in length, compared with a Chesterman standard steel tape and found correct. The measurements are made on the slope, the vertical angles determined and the slope measurements properly reduced to true horizontalddistances.

Chains.

The following notes describe the survey of the Subdivision lines of secs.4,5,6,7,8 and 9 of T.12 S.,R.26 E.,which completes the subdivision of said township, the survey of the previously subdivided portion having been executed by Philip Contzen,U.S.D.S. in 1897, and 1899.
No retracement or resurvey of subdivision lines in this township is of record.

The original cor.of secs.8,9,16 and 17 is a granite stone, 8x8x5 ins.above ground, firmly set, marked "12S26E", and 4 notches on each of E. and S.edges,and witnessed by a mound of stone W.of cor. No bearing trees.
Thence,
N.0°3'E., bet. secs.8 and 9.
Over heavily rolling land devoid of timber or undergrowth.
Ascend 65 ft.
Fence brs.N. and S.,on line.
10.72. Cor.of fence, brs.NW and S.
13.15 Road, brs.NW. and SE.
14.00 Spur,slopes SE. Descend 25 ft.
28.00 Wash,15 lks.wide, course SE.
35.00 Wash,15 lks.wide, course SE.
40.00 Set an iron post, 3 ft.long, 1 in. in diam.,18 ins. in the ground, deposit marked (x) stone,and raise a mound of stone around post, for ¼ sec.cor., with brass cap, marked

S 8 | ¼ | S 9
1920

Continue ascent, 165 ft.
70.00 Spur,slopes SE. Descend 35 ft.
80.00 Set an iron post, 3 ft.long, 2 ins. in diam.,20 ins. in the ground, deposit marked (x) stone,and raise a mound of stone around post, for cor.of secs.4,5,8 and 9, with brass cap, marked

T12S	R26E
S 5	S 4
S 8	S 9

1920

Land,heavily rolling.
Soil,sandy and gravelly,3rd rate.
No timber.
No undergrowth.

S.89°51'E., on a random line, bet. secs.4 and 9.
40.00 Set temp.¼ sec.cor.
80.10 Intersect N. and S. line, 20 lks.S.of the original cor. of secs.3,4,9 and 10, which is a sandstone, 7x8x8 ins. above ground, firmly set, marked "12S26E" and 5 notches on S.edge,and 3 notches on E.edge,and witnessed by four pits,one each NE.,SE.,SW.and NW.of cor.,and mound of earth W.of cor. No bearing trees.
Thence,
West, on a true line, bet. secs.4 and 9.
Over heavily rolling land, thru. scattering undergrowth.
Ascend 85 ft.
15.25 Spur,slopes SE. Dim road on spur,brs.NW. and SE. Descend 85 ft.,over SW.slope.
29.55 Wash,10 lks.wide, course SE. Ascend 85 ft.to
40.05 Set an iron post, 3 ft.long, 1 in. in diam.,16 ins. in the ground, deposit marked (x) stone,and raise a mound of stone around post, for ¼ sec.cor., with brass cap,marked

Chains.

$\frac{1/4\ S\ 4}{S\ 9}$
1920

Ascend.
41.30 Spur, slopes SE. Descend 90 ft.
50.60 Wash, 10 lks. wide, course S. Ascend 55 ft.
57.15 Spur, slopes S. Descend 40 ft.
62.60 Draw, 2 lks. wide, course S. Ascend 20 ft.
66.30 Spur, slopes S. Descend 35 ft.
73.80 Wash, 20 lks. wide, course SE. Thence along S. slope.
77.20 Wash, 10 lks. wide, course SE. Ascend.
80.10 The cor. of secs. 4, 5, 8 and 9.
Land, heavily rolling.
Soil, sandy and gravelly, 3rd and 4th rate.
No timber.
Undergrowth, cactus.
Fair grass.

North, on random line, bet. secs. 4 and 5.
40.00 Set temp. ¼ sec. cor.
78.40 Fall 19 lks. W. of the cor. of secs. 4, 5, 32 and 33, reestablished by Quintin Campbell, U.S.T. in 1917, which is an iron post, 3 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by a mound of stone, W. of cor. No bearing trees.
Thence,
S. 0°8' W., on a true line, bet. secs. 4 and 5.
Over rolling land, thru. scattering undergrowth.
Ascend 25 ft.
5.10 Spur, slopes SE. Descend 75 ft.
16.30 Gulch, near head, course SW. Descend 75 ft.
23.90 Wash, 15 lks. wide, course SE. Ascend.
38.40 Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground, deposit marked (x) stone, and raise a mound of stone around post, for ¼ sec. cor., with brass cap, marked

S 5 | ¼ S 4
1920

Ascend 40 ft.
38.60 Dim road, brs. NW. and SE.
40.30 Spur, slopes SE. Descend 125 ft.
54.20 Wash, 15 lks. wide, course SE. Ascend.
55.40 Descend 75 ft.
72.45 Wash, 10 lks. wide, course SE. Thence over E. slope.
78.40 The cor. of secs. 4, 5, 8 and 9.
Land, rolling.
Soil, sandy and gravelly, 3rd rate.
No timber.
Undergrowth, cactus.

The original cor. of secs. 7, 8, 17 and 18 is a granite stone, 9x11x6 ins. above ground, firmly set, marked "12S26E", and 4 notches on S. edge, and 5 notches on E. edge. No trace of original accessories; therefore raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
Thance,
N. 0°2' E., bet. secs. 7 and 8.
Over rolling land, thru. scattering undergrowth.
Ascend 135 ft., over S. slope.
23.90 Spur, slopes SE. Descend 50 ft. to
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in

Chains.

the ground, deposit marked (x) stone, and raise a mound of stone around post, for ¼ sec.cor., with brass cap; marked

¼
S 7 | S 8
1920

Descend 25 ft.
48.00 Wash, course SE.
51.40 Same wash, course SW. Thence along E.slope.
72.20 Same wash, 10 lks.wide, course SE. Ascend 145 ft.to
80.00 Set an iron post, 3 ft.long, 2 ins. in diam., 20 ins.in the ground, deposit marked (x) stone, and raise a mound of stone around post, for cor.of secs.5,6,7 and 8, with brass cap, marked

T12S | R26E
S 6 | S 5
S 7 | S 8
1920

Land, rolling.
Soil, gravelly and rocky, 4th rate.
No timber.
Undergrowth, mesquite, and scrub cedar.

S.89°59'E., on a random line, bet. secs.5 and 8.
40.00 Set temp.¼ sec.cor.
80.17 Intersect N. and S. line, 8 lks.S.of the cor.of secs.4,5, 8 and 9.
Thence,
S.89°58'W., on a true line, bet. secs. 5 and 8.
Over mountainous land, thru. scattering undergrowth.
Ascend 80 ft.
6.90 Spur, slopes SE. Descend 25 ft.
9.50 Road, brs.N and S.
17.10 Wash, 10 lks.wide, course SE. Ascend 400 ft.to
40.08½ Set an iron post, 3 ft.long, 1 in. in diam., 20 ins.in the ground, deposit marked (x) stone, and raise a mound of stone around post, for ¼ sec.cor., with brass cap, marked

¼ S 5
S 8
1920

Ascend 425 ft.
53.50 Spur, slopes SE. Descend 450 ft.
74.00 Head of gulch, 10 lks.wide, course SW. Ascend 40 ft.
79.14 Spur, slopes SW. Descend.
80.17 The cor.of secs.5,6,7 and 8.
Land, mountainous.
Soil, rocky, 4th rate.
No timber,
Undergrowth, scattering cedar and cactus.

S.89°55'W., on a random line, bet. secs.6 and 7.
40.00 Set temp.¼ sec.cor.
76.90 Fall 5 lks.S. of the original true point for cor.of secs.1, 6,7 and 12, which is witnessed at 10.00 chs.north therefrom by the original witness cor.to cor.of said secs, established by Philip Contzen, U.S.D.S.in 1897, which is a granite stone 10 x 10 x 8 ins. above ground firmly set, marked "WC 12S 25E26E", and 1 notch on N. edge, and 5 notches on S. edge, and witnessed by a mound of stone, W. of cor. No bearing trees. Thence,
N.89°57'E., on a true line, bet. secs.6 and 7.
Over mountainous land, thru.scattering undergrowth.

6 Completion of Subdivision line of Township 12 S., Range 26 E.

Chains.	
	Ascend gradually.
30.70	Spur, slopes SE.; descend.
34.70	Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground, deposit marked (x) stone, and raise a mound of stone around post, for witness cor. to ¼ sec. cor., with brass cap, marked WC¼ S 6 / S 7 1920
36.90	The true point for ¼ sec. cor. falls in wash, 30 lks. wide, course SE. Ascend 200 ft.
63.30	Spur, slopes SE. Descend 190 ft.
70.00	Gulch, 10 lks. wide, course SE. Ascend.
76.90	The cor. of secs. 5, 6, 7 and 8.
	Land, mountainous.
	Soil, sandy and rocky, 3rd and 4th rate.
	No timber.
	Undergrowth, cedar and cactus.
	N. 0° 8' E., on a random line, bet. secs. 5 and 6.
40.00	Set temp. ¼ sec. cor.
78.63	Fall 26 lks. W. of the cor. of secs. 5, 6, 31 and 32, on the N. bdy. of Tp., reestablished by Quintin Campbell, U.S.T. in 1917, which is an iron post, 3 ins. in diam., projecting 26 ins. above ground, firmly set in mound of stone, and witnessed by mound of stone, W. of cor. No bearing trees.
	Thence,
	S. 0° 19' W., on a true line, bet. secs. 5 and 6.
	Over mountainous land, thru. scattering undergrowth.
	Descend 210 ft.
16.00	Wash, 10 lks. wide, course SE. Ascend 125 ft.
20.15	Three wire fence, brs. NW. and SE.
29.00	Spur, slopes E. Descend 65 ft.
36.40	Head of gulch, 5 lks. wide, course E. Ascend.
38.63	Set an iron post 3 ft. long, 1 in. in diam., 8 ins. in the ground, deposit marked (x) stone, and raise a mound of stone around post, for ¼ sec. cor., with brass cap, marked S 6 ¼ S 5 1920
	Descend 260 ft.
72.85	Ascend 25 ft.
74.85	Point of rock, slopes W. Descend.
78.63	The cor. of secs. 5, 6, 7 and 8.
	Land, mountainous.
	Soil, rocky, 4th rate.
	No timber.
	Undergrowth, soto, cactus and cedar.
	The continued satisfactory adjustment of the solar apparatus during the survey of this township is indicated from field tests, as described in Book "G."

Boundaries of that part of Township 12 South, Range 26 East, surveyed under this Group.

Latitudes, Departures and Closing Errors.

Line designated.	True bearing.	Dist.	Latitudes. N.	Latitudes. S.	Departures. E.	Departures. W.
Subdivisional Boundary.	South,	78.43		78.43		
	S.0°3'W.	80.00		80.00		
	N.89°51'W.	80.10	.21			.07. 80.10
	N.89°59'W.	80.30	.02			80.30
	S.89°55'W.	76.70		.11		76.70
West Boundary,	N.0°02'W.	39.97	39.97			.02
	N.0°1'W.	40.10	40.10			.01
	North,	78.78	78.78			
North Boundary,	East,	237.27			237.27	
Convergency,					.08	
	Totals,		159.08	158.54	237.35	237.20
			158.54		237.20	
	Error in latitude,		.54			
	Error in departure,				.15	

GENERAL DESCRIPTION.

The northwest corner of this fractional township is very rough and mountainous; the remainder is broken by long spurs and ridges, ranging NW. and SE. The general drainage is to the SE. Approximate elevation, 4200 ft.

The soil is sandy and gravelly, and of 3rd and 4th rate.

There is no timber, with the exception of a few scrub cedars on the hills.

No evidence of mineral was found.

There is one small spring in the NW.¼ of sec.7, which probably goes dry in dry weather.

There are no settlers, although part of the land is fenced.

The land affords fair pasturage, but apprently possesses no other industrial prospect.

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FIELD ASSISTANTS.

to Karl L. Siebecker, U. S. Transitman,

NAMES.	CAPACITY.
See page 51 of book "A" of this group.	

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BOOK 3484

10

CERTIFICATE OF UNITED STATES TRANSITMAN.

I, Karl L. Siebecker, U. S. Transitman, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 102, Arizona, bearing date of the 6th day of October, 19 9, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the Subdivision lines of

Township 12 South, Range 26 East,

of the Gila and Salt River Base and Meridian, in the State of Arizona, which are represented in the foregoing field notes and by diagram on page 1 hereof as having been executed by me, and under my direction; and 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 U. S. Surveyor General, for Group 102, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Place - Augusta Mont.

Date Sept. 5th 1921

Karl L. Siebecker
U. S. Transitman

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

, 191

The foregoing field notes of the survey of

executed by

under his special instructions dated , 191 , having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

U. S. 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.

U. S. Surveyor General.

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FIELD ASSISTANTS.

to Guy R. Veal, U. S. Transitman

NAMES.	CAPACITY.
See page 51 of book "A" of this group	

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12 BOOK 3484

CERTIFICATE OF UNITED STATES TRANSITMAN.

I, Guy R. Veal, U. S. Transitman, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 102, Arizona, bearing date of the 6th day of October, 1919, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the Subdivision lines of

Township 12 South, Range 26 East,

of the Gila and Salt River Base and Meridian, in the State of Arizona, which are represented in the foregoing field notes and by diagram on page 1 hereof as having been executed by me, and under my direction; and 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 U. S. Surveyor General, for Group 102, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Place Kansas City, Mich.

Date August 15, 1921.

Guy R. Veal,
U. S. Transitman

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, SEP 15 1921.

The foregoing field notes of the survey of part (completion) of the Subdivision lines of

Township 12 South, Range 26 East,
of the Gila and Salt River Base and Meridian,
in the State of Arizona,

executed by Guy R. Veal, and Karl L. Siebecker, U. S. Transitmen, under special instructions dated October 6, 1919 for Group 102, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank R. Frost
U. S. 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.~~

~~U. S. Surveyor General.~~

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