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BOOK "D"

BOOK 3714

FIELD NOTES

OF THE SURVEY OF

Part (completion) of the

Subdivision lines of

TOWNSHIP 8 NORTH, RANGE 1 WEST,

Of the Gila and Salt River Base and Meridian,

In the State of Arizona

EXECUTED BY

Glenn F. Sawyer, U. S. Surveyor

In the capacity of U. S. Surveyor, under Special Instructions dated April 10, 1924, issued by the United States Surveyor General to govern surveys included in Group No. 129 Arizona, which were approved by the Commissioner of the General Land Office, April 29, 1924, and Assignment Instructions dated Nov. 25, 1924.

Survey commenced Jan. 26, 1925

Survey completed Feb. 1, 1925

3714

3714

INDEX DIAGRAM.

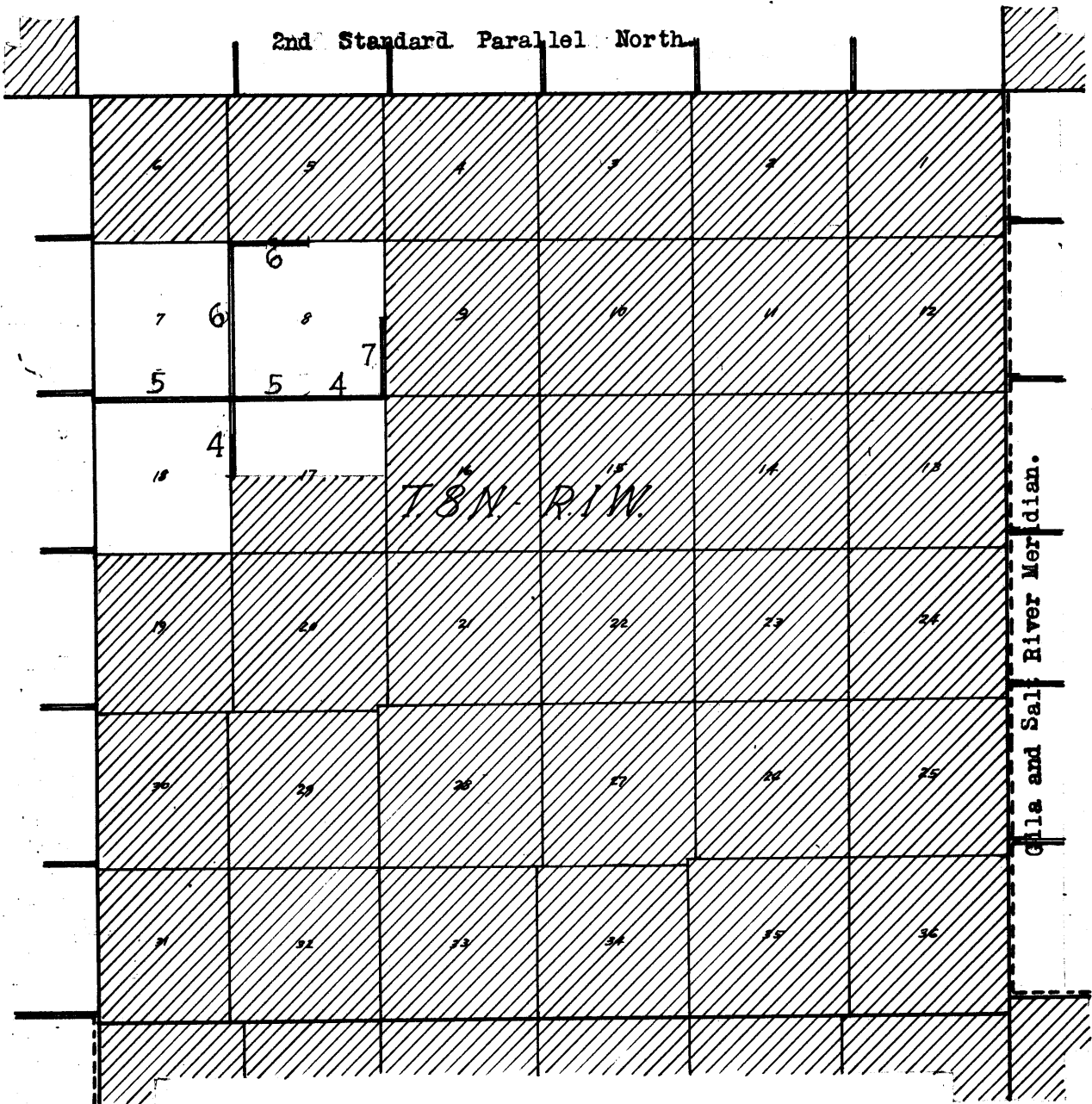
Township _____, Range _____


6	5	4	3	2	1
7	8	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

Book "D"
Group 129 - - Arizona

INDEX DIAGRAM.

BOOK 3714



- Surveyed under this group.
- - - - - Resurveyed under this group.
- Accepted surveys.
-  Areas surveyed as per accepted plats on file.

Book "D"

Group 129 - Arizona.

Township 8 North, Range 1 West.

DATE DIAGRAM
1925.

BOOK 3714

2nd Standard Parallel North.

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

Gila and Salt River Meridian
For dates of resurvey of this line see Book "K".

————— Surveyed by Glenn F. Sawyer, U.S. Surveyor, on dates shown thereon.

————— Lines of accepted surveys or resurveys.

===== Lines surveyed under this group, notes and dates in other books.

Surveys herein described were executed on dates shown on diagram on page 2 hereof, by Glenn F. Sawyer, U.S. Surveyor, using Young and Sons light mountain transit No. 8478, equipped with full vertical circle and Smith solar attachment; unless otherwise specified, all azimuth determinations are accomplished with the solar attachment.

Jan. 26, 1925: Examine the adjustments of the transit, and find them correct; then, to test the solar apparatus by comparing its indications resulting from observations made during a.m. and p.m. hours with a meridian established by Polaris observation on Jan. 17, 1925, at main camp in NE quarter of sec. 28, T. 8 N., R. 2 W.; lat. $34^{\circ} 01' N.$; long. $112^{\circ} 28' W.$, as described in Book "C" of this group, proceed as follows:

At 8h. 0m. a.m., l.m.t., set off $34^{\circ} 01' N.$ on the lat. arc; $18^{\circ} 40\frac{1}{2}' S.$ on the decl. arc, and determine a meridian with the solar, which agrees with the true meridian.

At apparent noon with the lat. arc unchanged, observe the sun on the meridian, and obtain a reading of $18^{\circ} 40' S.$ on the decl. arc, which agrees with the computed decl. of the sun.

At 4h. 0m. p.m., l.m.t., with the lat. arc unchanged, set off $18^{\circ} 35\frac{1}{2}' S.$ on the decl. arc, and determine a meridian with the solar, which agrees with the true meridian.

As all of the solar observations made during the usual hours of solar work come within 1' of the true meridian, conclude that the instrument is in satisfactory adjustment.

Unless otherwise specified, all measurements are made with Lufkin steel tapes, 5 chs. in length, compared with a Lufkin 1 ch. standard steel tape, and found correct. The measurements are made on the slope, the vertical angles determined with a clinometer, and the slope measurements properly reduced to true horizontal distances for entry with field notes.

4 Survey of part (completion) of the Subdivision lines of T.8N., R.1 W.

Chains.

The subdivision lines of this township bounding sec. 33, were surveyed in 1891, by F.B. Jacobs, U.S.D.S., the subdivision lines bounding secs. 29, 30, 31, 32 and 34 were surveyed in 1901, by C.R. Caudle, U.S.D.S., and all other subdivision lines of this township were surveyed with the exception of lines bet. secs. 8 and 17, 7 and 18, 7 and 8, N. $\frac{1}{2}$ of line bet. secs. 17 and 18, S. $\frac{1}{2}$ of line bet. secs. 8 and 9, and W. $\frac{1}{2}$ of line bet. secs. 5 and 8, by C.M. Pidgeon, U.S.S. in 1915.

The following notes describe the survey of the Subdivision lines omitted from the previous surveys as listed, which completes the subdivision of this township:

The original witness cor. to $\frac{1}{4}$ sec. cor. of secs. 17 and 18, is an iron post, 1 in. in diam., projecting 18 ins. above ground, firmly set in ground and mound of stone, properly marked on brass cap, and witnessed by a mound of stone W. of cor. No bearing trees.

This W.C. is of record as being set at 50 lks. S. $0^{\circ}3'W.$ from true point for $\frac{1}{4}$ sec. cor.; therefore, measure N. $0^{\circ}3'E.$, 50 lks. to the true corner point which falls on side of cliff.

Thence, N. $0^{\circ}3'E.$, on true line, bet. secs. 17 and 18 (N. $\frac{1}{2}$). Over mountainous land, thru. scattering undergrowth. Ascend 350 ft., over very precipitous broken S.W. slope.

- 8.50 Ridge, brs. NW. and SE.
- 23.70 Descend 451 ft., over NE. slope.
- 26.80 Draw, course NE.
- 36.50 Ascend 70 ft., over SE. slope.
- 38.80 Spur, slopes NE.
- 40.00 Descend 234 ft., over NE. slope.
- 40.00 Draw, course E.
- 40.00 Ascend 40 ft., over SE. slope.
- 40.00 Point of spur, slopes NE.
- 40.00 Descend 103 ft., over NE. slope, to
- 40.00 Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone, 3 ft. base, 18 ins. high around post, for cor. of secs. 7, 8, 17 and 18, marked on brass cap,

T8N	R1W
S 7	S 8
S18	S17
1925	

No bearing trees available.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, none.
 Undergrowth, ocotillo, cacti, scrub mesquite, and buck brush.

 East, on random line, bet. secs. 8 and 17.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.02 Intersect N. and S. line, 2 lks. S. of the original cor. of secs. 8, 9, 16 and 17, which is an iron post, 2 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. $89^{\circ}59'W.$, on true line, bet. secs. 8 and 17. Over mountainous land, thru. scattering undergrowth. Ascend 172 ft., over E. slope.

- 6.45 Ridge, brs. NW. and SE.
- 12.00 Descend 87 ft., over SW. slope.
- 12.00 Head of draw, course S. $10^{\circ}E.$

Survey of part (completion) of Subdivision lines of T.8 N., R.1 W. 5

Chains

19.60 Ascend 143 ft., over SE.slope.
 Spur, slopes S.10°E.
 40.01 Descend 664 ft., over precipitous SW.slope, to
 Set an iron post, 3 ft.long, 1 in.in diam., 4 ins.in the
 ground, to bed rock, deposit a stone marked with a
 cross (x) at base of post, and raise a mound of stone
 4 ft.base, 32 ins. high, around post, for $\frac{1}{4}$ sec.cor.,
 marked on brass cap,

$\frac{1}{4}$ S 8
 S 17
 1925

No bearing trees available.
 52.20 Descend 187 ft., over W.slope.
 Ash Creek, (dry) 80 lks.wide, course SE.
 80.02 Ascend 446 ft., over NE. slope, to
 Intersect the cor. of secs: 7, 8, 17 and 18.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, none.
 Undergrowth, scrub oak, sage brush, scrub mesquite, cacti
 and mescal.

 West, on true line, bet. secs. 7 and 18.
 Over mountainous land, thru. scattering undergrowth.
 13.50 Ascend 364 ft., over steep NE.slope.
 Ridge, brs.N.20°W. and S.20°E.
 23.30 Descend 500 ft., over SW.slope to $\frac{1}{4}$ sec.cor.
 Cliff, 80 ft.high, faces SW.
 33.60 Cliff, 100 ft.high, faces SW.
 40.00 Set an iron post, 3 ft.long, 1 in. in diam., 16 ins.in the
 ground to bed rock, deposit a stone marked with a
 cross (x) at base of post, and raise a mound of stone
 3 $\frac{1}{2}$ ft.base, 20 ins. high, around post, for $\frac{1}{4}$ sec.cor.,
 marked on brass cap,

$\frac{1}{4}$ S 7
 S 18
 1925

No bearing trees available.
 Thence along S.slope.
 52.30 Head of draw, course SE.
 Ascend 158 ft., over E.slope.
 57.70 Ridge, brs.NE. and NW. This point falls on N.slope of
 small peak on ridge.
 Descend 338 ft., over SW.slope, to
 72.02 Intersect the W. bdy. of the Tp., at a point 112 lks.
 S.0°9'W., from the cor.of secs.12 and 13, reconstructed
 in the original position of cor.of secs.7, 12, 13 and 18
 by C.M. Pidgeon, U. S. S. in 1916, which is an iron
 post 3 ins.in diam., projecting 12 ins. above ground,
 firmly set. properly marked on brass cap, for reference
 to secs.12 and 13 only, and witnessed by a mound of
 stone, W.of cor.
 No bearing trees.
 At point of intersection, set an iron post, 3 ft.long, 2
 ins. in diam., 28 ins.in the ground, for closing cor.
 of secs. 7 and 18, marked on brass cap,

T8N
 R2W | R1W
 S13 | S 7 CC
 | S18
 1925

No bearing trees available. Raise a mound of stone, 2 ft.
 base, 1 $\frac{1}{2}$ ft.high, E. of cor.
 Land, mountainous.

6 Survey of part(completion)of Subdivision lines of T.8 N.R.1 W.

Chains
 Soil, rocky, 4th rate.
 Timber, none.
 Undergrowth, scrub oak, cacti, buck brush and ocotillo.

The original witness cor. to cor. of secs. 5, 6, 7 and 8 is an iron post, 2 ins. in diam., projecting 36 ins. above ground, firmly set in a mound of stone, properly marked on brass cap, and witnessed by a mound of stone, W. of post. No bearing trees.
 This W.C. is of record as set 3.45 chs. from sec. cor. point; therefore, measure S.0°3'W., 3.45 chs. to cor. point on granite reef.

40.00 Thence,
 79:92 S.0°3'E., on random line, bet. secs. 7 and 8.
 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect E. and W. line, 33 lks. E. of the cor. of secs. 7, 8, 17 and 18, hereinbefore described.

38.90 Thence,
 N.0°11'E., on true line, bet. secs. 7 and 8.
 Over mountainous land, thru. scattering undergrowth.
 Descend 210 ft., over NE. slope.

39.96 Ash Creek (dry) 80 lks. wide, course SE.
 Ascend slightly over SW. slope, to
 (Midpoint) Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor. of secs. 7 and 8, marked on brass cap,

$\frac{1}{4}$
 S 7 | S 8
 1925

55.00 No bearing trees available.
 Raise mound of stone, 3 ft. base, 2 ft. high, W. of cor.
 Ascend 115 ft., over SW. slope.

61.50 Spur, slopes SE.
 Descend 50 ft., over NE. slope.

79.92 Gulch, course SE.
 Ascend 435 ft., over SW. slope, to
 Intersect the true point for cor. of secs. 5, 6, 7 and 8, on granite reef, bearing NW. and SE.
 Witness cor. is 3.45 chs. N.0°3'E., from this point.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, scattering cottonwood along Ash Creek only, none elsewhere.
 Undergrowth, ocotillo, scrub oak, and mesquite and cacti.

40.00 From true point for cor. of secs. 5, 6, 7 and 8,
 East, on random line, bet. secs. 5 and 8, (W. $\frac{1}{2}$).
 Fall 12 lks. S. of original $\frac{1}{4}$ sec. cor. of secs. 5 and 8, which is an iron post, 1 in. in diam., projecting 36 ins. above ground, firmly set in mound of stone, properly marked on brass cap, and witnessed by mound of stone, N. of cor.
 No bearing trees.

2.70 Thence,
 S.89°50'W., on true line, bet. secs. 5 and 8 (W. $\frac{1}{4}$).
 Over mountainous land, thru. scattering undergrowth.
 Descend 97 ft., over NW. slope.

15.00 Draw, course N.
 Ascend 413 ft., over precipitous NE. slope.

28.20 Spur, slopes N.
 Descend 155 ft. over NW. slope, to

40.00 Descend 185 ft., over SW. slope, to
 Intersect the true point for cor. of secs. 5, 6, 7 and 8, on granite reef, brs. NW and SE. Witness cor. is 3.45 chs. N.0°3'E.
 Land, mountainous.
 Soil, rocky, 4th rate.

Survey of part (completion) of subdivision lines of T.8 N., R.1 W. 7

Chains.

Timber, none.
Undergrowth, buck brush, scrub mesquite and cacti.

The original $\frac{1}{4}$ sec. cor. of secs. 8 and 9 is an iron post, 3 ft. long, 1 in. in diam., projecting 22 ins. above ground, firmly set in ground and mound of stone, properly marked on brass cap, and witnessed by mound of stone, W. of cor. No bearing trees.

Thence,
South, on random line, bet. secs. 8 and 9 (S. $\frac{1}{2}$).
39.80 Fall 15 lks. E. of the original cor. of secs. 8, 9, 16 and 17, hereinbefore described.

Thence,
N. 0° 13' E., on true line, bet. secs. 8 and 9 (S. $\frac{1}{2}$).
Over mountainous land, thru. heavy undergrowth.
Ascend 71 ft., over SE. slope.

2.50 Spur, slopes E.
Descend 556 ft., over precipitous N. slope.

21.90 Gulch, course E.
Ascend 151 ft., over S. slope.

28.40 Spur, slopes E.
Descend 183 ft., over N. slope.

36.80 Gulch, course E.
Ascend 54 ft., over SE. slope, to

39.80 Point of spur, slopes E.
Intersect the original $\frac{1}{4}$ sec. cor. of secs. 8 and 9.

Land, mountainous.
Soil, rocky, 4th rate.
Timber, none.
Undergrowth, scrub oak, laurel, cacti and mescal.

Boundaries of that portion of T.8 N., R. 1 W., subdivided under this Group (secs. 7, 8, 17 and 18).

Latitudes, departures, and closing errors.

Line designated.	Bearing.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
West boundary	N.0°3'E.	41.09	41.09		.04	
	N.0°9'E.	40.22	40.22		.11	
	N.0°4'E.	39.97	39.97		.05	
	North,	38.65	38.65			
Subdivisional boundary,	East,	72.44			72.44	
	N.89°50'E.	40.00	.12		40.00	
	East,	40.00			40.00	
	S.0°4'W.	40.00		40.00		.05
	S.0°13'W.	39.80		39.80		.15
	S.0°4'W.	80.00		80.00		.09
West,	152.12				152.12	
Convergency,				.05		
Totals,			160.05	159.85	152.64	152.41
			159.85		152.41	
<u>Error in latitude.</u>			0.20			
<u>Error in departure.</u>					0.23	

GENERAL DESCRIPTION.

SURFACE: The surface of the land in this part of the township is mountainous, being in what is known as the Sheep Mountains, and is very rough and rugged. Elevation runs from 3,000 ft. to 5,000 ft. above sea level.

SOIL: Rocky and sandy, 3rd and 4th rate.

UNDERGROWTH: Scrub oak, sagebrush, mesquite, cacti, mescal and ocotillo.

EVIDENCE OF MINERAL: None.

WATERING PLACES: A good spring and watering trough in the NW. $\frac{1}{4}$ of sec. 8. Pools of water in Ash Creek.

SETTLEMENT: None.

INDUSTRY: Grazing is carried on to a small extent.

4-680

FIELD ASSISTANTS. to

Glenn F. Sawyer, U. S. Surveyor.

NAMES.	CAPACITY.
Howard Beard	First chainman
Vere W. Heard	Second chainman
Ed Watson	Axeman
R. L. Shackelford	Cornerman
D. E. Morris	Flagman

CERTIFICATE OF UNITED STATES SURVEYOR.

10

I, Glenn F. Sawyer, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 129, Arizona, bearing date of the 10th day of April, 19 24, 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 8 NORTH, RANGE 1 WEST,

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 2 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 129, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Glenn F. Sawyer

Glenn F. Sawyer

U. S. Surveyor.

San Francisco, Calif.

Aug. 21, 1925

APPROVAL.

OFFICE OF THE U.S. Supervisor of Surveys,

Denver, Colorado, June 23, 1926.

The foregoing field notes of the survey of _____ Part (completion) of the _____ Subdivision lines of _____ TOWNSHIP 8 NORTH, RANGE 1 WEST,

of the Gila and Salt River Base and Meridian, in the State of Arizona, executed by Glenn F. Sawyer, U.S. Surveyor,

under his special instructions dated April 10, 1924, for Group 129, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Monte H. Benson
U.S. Supervisor of Surveys.

~~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.~~