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BOOK 2857

BOOK "C"

FIELD NOTES

OF THE SURVEY OF PART OF THE

SUBDIVISION LINES

of

T. 41 N., R. 4 W.

Of the Gila and Salt River Base and Meridian,

In the State of ARIZONA,

EXECUTED BY

Jos. C. Thoma,

In the capacity of U. S. Surveyor, under instructions dated March 11, 1913, issued by the United States Surveyor General to govern surveys included in Group No. 29, which were approved by the Commissioner of the General Land Office, March 26, 1913.

Survey commenced July 7, 1914.

Survey completed July 15, 1914.

Partial Subdivision of T. 41 N., R. 4 W.

Chains

Survey commenced July 13, 1914, and executed with Young and Sons' light mountain transit No. 8535 with Smith Solar Attachment, etc. For description of Instrument, see page 1, Book "B." For test of Instrument, see page 58 of Book "A."

July 13, 1914: At the standard cor. of secs. 33 and 34, T. 41 N., R. 4 W., heretofore established, as described in Book "A," I set off 36° 54' N. on the lat. arc; 21° 55' N. on the decl. arc; and, at 8h 5m a. m., l. m. t., determine a meridian with the solar.

Thence I run N. 0° 02' W., bet. secs. 33 and 34. Asc. gradually over cultivated land.

15.00 Leave cultivated land at base of mesa; asc. abruptly over rocky slope, bears NE. and SW.; enter scrub cedar and pinion timber.

19.00 Ledge, 15 ft. high, bears NE. and SW.

24.00 Top of mesa, bears NE. and SW.; 130 ft. above bottom of mesa; desc. gradually.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap 1914 on S. rim; 1/4 in N., S34 in E., and S33 in W. half;

dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist.; and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of cor. Trees too small for bearing trees.

68.00 Leave cedar and pinion timber, bears E. and SW.; enter open, rolling valley.

71.00 Hollow, drains SW.; continue over rolling land.

76.00 Telephone line, Pipe Springs to Kanab, bears NE. and SW.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 27, 28, 33, and 34, marked on brass cap 1914 on S. rim; T41NR4W in N. half; S28 in NW., S27 in NE., S34 in SE., and S33 in SW. quadrant;

dig pits, 18x18x12 ins., in each sec., 5 1/2 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. A spring bears N. 25° W.

Land, rolling and broken. Soil, sandy and rocky. Timber, dense cedar and pinion. Undergrowth, sagebrush. Good grazing.

July 13, 1914.

July 15, 1914: At 8h 6m a. m. l. m. t., I set off 36° 55' N. on the lat. arc; 21° 37' N. on the decl. arc; and determine a meridian with the solar.

Thence I run N. 0° 2' W., bet. secs. 27 and 28.

Asc. gradually over rolling land, through short sage and yellowtop.

23.50 Indian spring and corral bears W., 9.85 chs.

24.00 Road, Kanab to Moccasin, bears N. 80° E. and S. 80° W.

35.00 Leave open land; enter broken foot hills of Red Ledges, bear NE. and SW., covered with cedar and pinion timber.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, to bedrock, surrounded by a mound of stone, for 1/4 sec. cor., marked on brass cap 1914 on S. rim; 1/4 in N., S27 in E., and S28 in W. half;

2. Partial Subdivision of T. 41 N., R. 4 W.

Chains and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable. No trees suitable for bearing trees within limits.
 I discontinue the line at this point.
 Land, rolling, gradually ascending.
 Soil, red sandy loam. Subsoil, red sandy loam.
 Timber, scrub cedar and pinion, 5 chs.
 Undergrowth, short sage- and yellowbrush.
 July 15, 1914.

 July 13, 1914.
 From the standard cor. of secs. 32 and 33, on the S. bdy. of the T., heretofore established, as described in book "A" I run
 N. 0° 3' W., bet. secs. 32 and 33.
 Over rolling land, through sagebrush.
 4.00 Two Mile seep, 30 lks. wide, 3 ft. deep, drains SE.; asc. gradually.
 15.00 Spur of telephone line to Moccasin, bears NW. and SE.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap
 1914 on S. rim;
 ¼ in N.,
 S33 in E., and
 S32 in W. half;
 dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist.; and raise a mound of earth, 3½ ft. base, 1½ ft. high, W. of cor.
 67.40 New wire fence, bears N. 70° E. and S. 70° W. NW. cor. cultivated field bears E. 5 chs. dist.
 67.65 Road, from Moccasin to Kanab, bears N. 70° E. and S. 70° W.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 28, 29, 32, and 33, marked on brass cap
 1914 on S. rim;
 T41NR4W in N. half;
 S29 in NW.,
 S28 in NE.,
 S33 in SE., and
 S32 in SW. quadrant;
 dig pits, 18x18x12 ins., in each sec., 5½ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
 Land, rolling and gradually ascending.
 Soil, sandy loam. Subsoil, same.
 No timber.
 Undergrowth, dense sagebrush.
 Land drains SE. and is good for agriculture.

 July 13, 1914: I set off 21° 53' N. on the decl. arc; and, at apparent noon, observe the sun on the meridian. The resulting lat. is 36° 55' N.
 Thence I run
 East, on a random line, bet. secs. 28 and 33.
 40.00 Set temp. ¼ sec. cor.
 80.06 Intersect N. and S. line, 2 lks. S. of the cor. of secs. 27, 28, 33, and 34.
 Thence I run
 S. 89° 59' W., on a true line, bet. secs. 28 and 33.
 Asc. gradually over rolling land, through sage brush.
 14.80 Wire fence, bears N. and S.
 19.60 Road from Kanab to Pipe Springs and Indian School, bears N. and S.
 24.00 Wash, 15 lks. wide, 5 ft. deep, drains S.
 40.03 Set an iron post, 3 ft. long, 1 in diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap
 1914 on S. rim;
 S28 in N.,
 S33 in S., and

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$\frac{1}{4}$ in W. half; and
 raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of
 cor. Pits impracticable.
 Desc. gradually.
 49.00 Wire fence, bears N. 70° E. and S. 70° W.
 50.00 Road, Kanab to Moccasin, bears N. 70° E. and S. 70° W.
 58.30 Wash, 15 lks. wide, 3 ft. deep, drains S. 35° E.
 80.06 The cor. of secs. 28, 29, 32, and 33.
 Land, rolling.
 Soil, light red sandy loam of fine texture. Subsoil, red
 clay.
 No timber.
 Undergrowth, sage.
 Good grazing.

July 13, 1914.

July 15, 1914:

N. 0° $3'$ W., bet. secs. 28 and 29.
 Asc. gradually over rolling land, through sagebrush.
 30.00 Enter scattering scrub cedar and pinion timber, bears E.
 and W.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
 $\frac{1}{4}$ in N.,
 S28 in E., and
 S29 in W. half;
 1914 on S. rim; and
 raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W.
 of cor. Pits impracticable. No trees suitable for
 bearing trees within limits.
 I discontinue line at this point.
 Land, rolling.
 Soil, sandy. Subsoil, same.
 Timber, scattering scrub cedar and pinion, 10 chs.
 Undergrowth, sagebrush. July 15, 1914.

July 13, 1914.

From the standard cor. of secs. 31 and 32, on the S. bdy.
 of the T., heretofore established, as described in
 book "A," I run
 N. 0° $3'$ W., bet. secs. 31 and 32.
 Asc. over rolling land, through sagebrush.
 2.50 E. side sandstone point, 20 ft. above cor.; desc.
 3.80 Stake and rider fence, bears N. 70° E.
 8.50 Base of spur, bears NW. and S. 10° E.
 11.20 Road, Pipe Springs to Moccasin, bears NW. and SE.
 11.50 Enter cultivated land, bears E. and W.
 33.40 Leave cultivated land, enter open sagebrush land. Wire
 fence, bears N. 64° E. and S. 64° W. 16 lks. to fence
 cor.
 33.65 Road, Kanab to Moccasin, bears N. 64° E. and S. 64° W.,
 17 lks., thence S. 89° W., through lane.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
 1914 on S. rim;
 $\frac{1}{4}$ in N.,
 S32 in E., and
 S31 in W. half;
 dig pits, $18 \times 18 \times 12$ ins., N. and S. of post, 3 ft. dist.
 and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.
 A house bears N. 39° $35'$ W., 20.04 chs. dist.
 Fence corner bears S. 81° $31'$ W., 15.01 chs. dist. 40 lks.
 S. of this fence cor. is a spring.
 Moccasin post office bears southwesterly about 12 chs.
 dist.
 Houses and barn of Jonathan Heaton's ranch are located
 about 15 chs. southwesterly from this cor.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the

4. Partial Subdivision of T. 41 N., R. 4 W.

Chains	<p>ground, for the cor. of secs. 29, 30, 31, and 32, marked on brass cap 1914 on S. rim; T41NR4W in N. half; S30 in NW., S29 in NE., S32 in SE., and S31 in SW. quadrant; dig pits, 18x18x12 ins., in each sec., 5½ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Land, rolling. Soil, light red sandy loam of fine texture. No timber. Undergrowth, sagebrush.</p>
40.00	<p>East, on a random line, bet. secs. 29 and 32. Set temp. ¼ sec. cor.</p>
79.99	<p>Intersect the N. and S. line, 2 lks. N. of the cor. of secs. 28, 29, 32, and 33. Thence I run N. 89° 59' W., on a true line, bet. secs. 29 and 32. Desc. gradually over rolling land, through sagebrush.</p>
10.00	<p>Wash, 15 lks. wide, 10 ft. deep, drains S.</p>
22.00	<p>Wash, 10 lks. wide, 5 ft. deep, drains SE.; asc. gradually.</p>
39.99½	<p>Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap 1914 on S. rim; S29 in N., S32 in S., and ¼ in W. half; dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth, 3½ ft. base, 1½ ft. high, N. of cor.</p>
79.99	<p>The cor. of secs. 29, 30, 31, and 32. Land, rolling, Soil, sandy. Undergrowth, sage. No timber.</p>
	July 13, 1914.
	<p>July 15, 1915.</p>
40.00	<p>West, on a random line, bet. secs. 30 and 31. Set temp. ¼ sec. cor.</p>
79.80	<p>Intersect the W. bdy. of the T., 7 lks. N. of the cor. of secs. 25, 30, 31, and 36, heretofore established as described in book "A." Thence I run N. 89° 57' E., on a true line, bet. secs. 30 and 31. Asc. gradually over broken SW. slope of mesa, through scattering cedar and pinion.</p>
2.00	<p>Wash, 10 lks. wide, drains S.; asc. abruptly.</p>
15.00	<p>Spur, projecting SE., 240 ft. above cor.; desc. abruptly over E. slope of mesa.</p>
32.00	<p>Base of descent, bears NW. and SE., 350 ft. below top of mesa; continue over level land, near head of cove.</p>
39.80	<p>Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap 1914 on S. rim; S30 in N., S31 in S., and ¼ in W. half; dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth, 3½ ft. base, 1½ ft. high, N. of cor.</p>
45.00	<p>Base of ridge, bears NW. and SE.; asc. abruptly.</p>
52.50	<p>Top of ridge, bears NW. and SE., 100 ft. above ¼ sec. cor.; desc.</p>

Chains
56.00 Base of ridge, bears NW. and SE., 150 ft. below top. Continue over rolling land; leave cedar and pinion; desc. gradually.
79.80 The cor. of secs. 29, 30, 31, and 32. Land, broken and rolling. Soil, sandy and stony. Timber, scrub cedar and pinion. Undergrowth, sage- and servicebrush.

28.00 N. 0° 3' W., bet. secs. 29 and 30. Asc. gradually over rolling land, through dense sage. Low sand ridge, bears NW. and SE.; desc. gradually through cedar timber.
31.00 Wash at bend from the E., 35 lks. wide, 5 ft. deep, drains SE.
35.60 Same wash, drains S.; asc. gradually.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
1914 on S. rim;
 $\frac{1}{4}$ in N.,
S29 in E., and
S30 in W. half;
dig pits, 18x18x12 ins. N. and S. of post, 3 ft. dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor. No trees suitable for bearing trees within limits.
Discontinue line at this point.
Land, rolling.
Soil, sandy and rocky.
Timber, scattering scrub cedar and pinion, 12 chs.
Undergrowth, sagebrush.

July 15, 1914.

GENERAL DESCRIPTION

The land in the surveyed portion of this township is gently rolling with a southern exposure. The soil is light fine red sandy loam, well adapted for farming. The remaining portion of the township is mostly rough and broken by the Red Ledges, which are about 1000 ft. high, and covered with scrub cedar and pinion and scattering yellow pine timber. The soil is mostly stony and sandy.

Two-thirds of the flow of Moccasin Springs, in sec. 31, Jonathan Heaton claims and uses in irrigating the land in the vicinity of the springs. One-third is piped to the Indian village for use at that place for irrigation and domestic purposes.

Moccasin (post office and settlement) comprises four dwellings, two barns, sheds, corrals, etc., owned by Jonathan Heaton and sons.

I noticed no indication of mineral or oil in the township.

Joseph B. Thomas
U. S. Surveyor.

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FOR FINAL OATH OF UNITED STATES SURVEYOR.

See Book "A"

I, _____, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for _____ bearing date of the _____ day of _____, 191____, 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 _____ of the _____ Meridian, in the State of _____, which are represented in the foregoing field notes as having been executed 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 U. S. Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

U. S. Surveyor.

Subscribed by said _____, and sworn to before me }
 this _____ day of _____, 191____



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix Arizona, Feb. 15, 1916

The foregoing field notes of the survey of *part of the*
Subdivision lines of
Township 41 North - Range 4 West
of the Gila and Salt River Base and Meridian
in the State of Arizona

executed by *Jos. C. Thoma, U.S. Surveyor*
 under his special instructions dated *March 11, 1913 for Group 29*, ~~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.
OF 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.~~