

2861

4-679

BOOK 2861

BOOK "G"  
FIELD NOTES

OF THE SURVEY OF PART

of the

SUBDIVISION LINES

of

T. 41 N., R. 5 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 September 7, 1914,

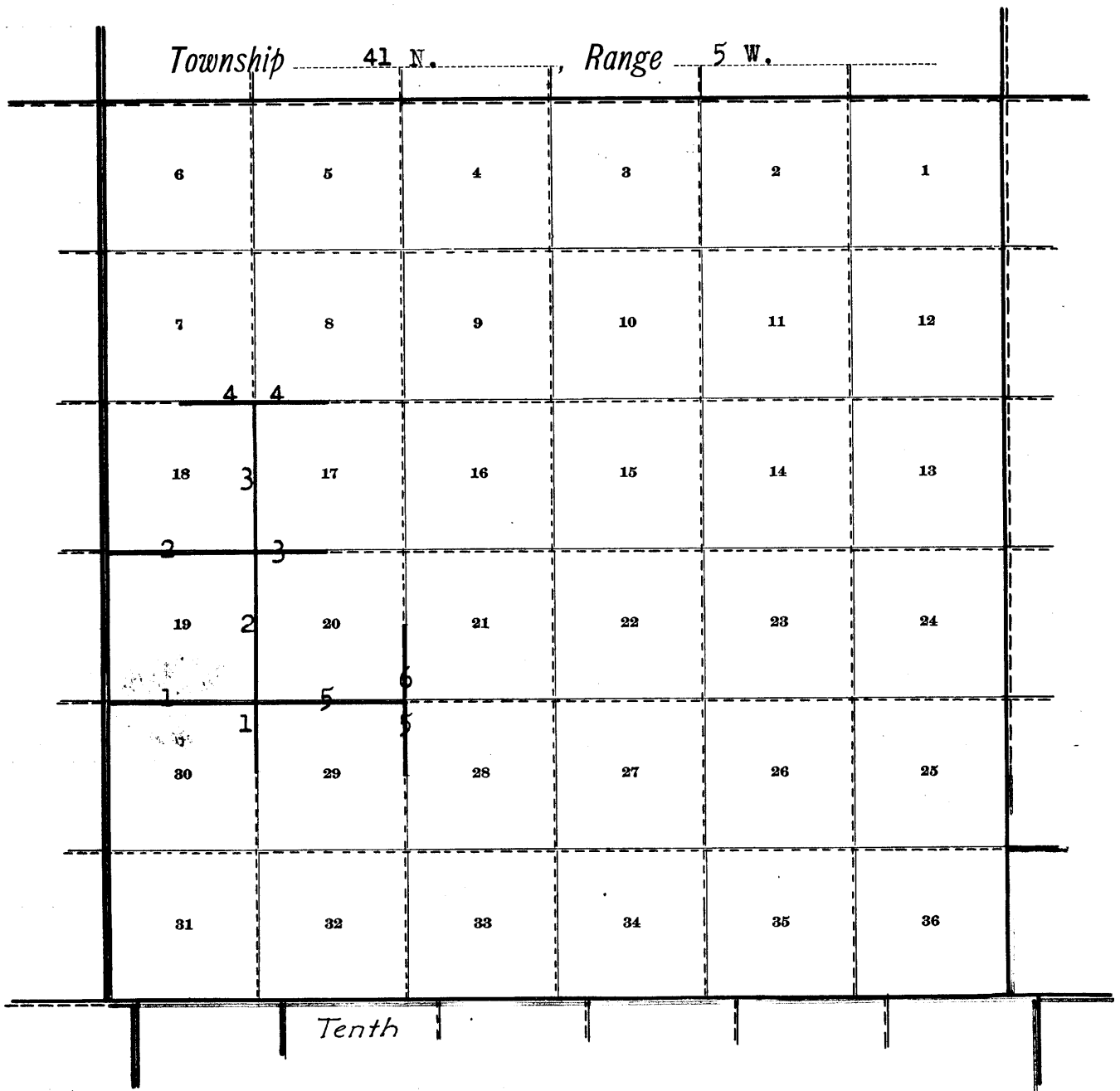
Survey completed September 13, 1914.

256  
1A

# Book "G"

BOOK 2891

## INDEX DIAGRAM.



- Notes in this Book (Indexed)
- - - - - " " Book "A"
- " " " "B"
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Chains Survey commenced September 11, 1914, and executed with a Young and Son's light mountain transit, No. 8535, equipped with Smith solar attachment. For description of instrument, see page 1, Book "B." For test of instrument, see page 58, Book "A."

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 September 11, 1914: At the cor. of secs. 19, 24, 25, and 30, T. 41 N., Rs. 5 and 6 W., I set off 36° 56' N. on the lat. arc; 4° 45' N. on the decl. arc; and, at 7h 57m a. m., l. m. t., determine a meridian with the solar.

Thence I run East, on a true line, bet. secs. 19 and 30. Asc. gradually over rolling land, through greasewood. Road, bears NE. and SW.

17.00  
39.82

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;  
 S19 in N.,  
 S30 in S., and  
 $\frac{1}{4}$  in W. half;

dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth,  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.

67.00

Base of spur, bears NE. and SW.; enter scrub cedar and pinion timber, bears N. and S.

78.30

Boulder, 30x25x30 ft., 20 lks. N. of line.

79.82

Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, to bedrock, surrounded by a mound of stone, for the cor. of secs. 19, 20, 29, and 30, marked on brass cap

1914 on S. rim;  
 T41NR5W in N. half;  
 S19 in NW.,  
 S20 in NE.,  
 S29 in SE., and  
 S30 in SW. quadrant; from which

A pinion, 12 ins. diam., bears N. 19° 30' E., 81 lks. dist., marked T41NR5WS20BT.

A pinion, 8 ins. diam., bears S. 44° E., 53 lks. dist., marked T41NR5WS29BT.

A cedar, 10 ins. diam., bears S. 54° W., 77 lks. dist., marked T41NR5WS30BT.

A pinion, 12 ins. diam., bears N. 50° W., 77 lks. dist., marked T41NR5WS19BT.

Land, rolling and hilly; drains NW. Soil, light red sandy loam, of medium texture, 1 to 5 ft deep, on subsoil of red clay.

Timber, scrub cedar and pinion.

Undergrowth, yellowtop, sagebrush, and greasewood.

Good grazing.

Rain prevented further work on this date.

September 11, 1914.

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 September 12, 1914: I set off 4° 20' N. on the decl. arc; 36° 56' N. on the lat. arc; and, at 9h 56m a. m., l. m. t., determine a meridian with the solar.

Thence I run S. 0° 3' E., on a true line, bet. secs. 29 and 30. Over mountainous land, draining NW., through cedar and pinion timber.

10.00

Ledge rim, 20 ft. high, bears E. and S. 20° W. Top of ledge is 100 ft. above sec. cor.

25.00

Ledge rim, 50 ft. high, bears NW. and SE.; desc. abruptly 150 ft., over broken rocky slope, cut by deep draws, draining SW.

40.00

Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, to bedrock, surrounded by a mound of stone,

Chains

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; and

raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, W. of cor. Pits impracticable. Trees too small for bearing trees.

Discontinue line at this point.

Land, rough and mountainous; drains NW.

Soil, sandy loam and rock, with bedrock close to surface.

Timber, scrub cedar and pinion.

Poor grazing.

12.00

From the cor. of secs. 19, 20, 29, and 30, I run N. 0° 3' W., bet. secs. 19 and 20.

Desc. gradually over rocky land on NW. slope at base of spur, through scattering cedar and pinion.

30.00

Wash, 15 lks. wide, 3 ft. deep; drains W.; asc. gradually. Spur, from ridge, bears E. and W.; leave rocky soil, bears E. and W.; desc. gradually over sandy soil, through yellowtop and sagebrush.

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.,

S20 in E., and

S19 in W. half; from which

A pinion, 15 ins. diam., bears N. 37° E., 103 lks. dist., marked  $\frac{1}{4}$ S20BT.A cedar, 10 ins. diam., bears S. 9° W., 75 lks. dist.; marked  $\frac{1}{4}$ S19BT.

80.00

Road, bears NE. and SW.

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 17, 18, 19, and 20, marked on brass cap

1914 on S. rim;

T41NR5W in N. half;

S18 in NW.,

S17 in NE.,

S20 in SE., and

S19 in SW. quadrant; from which

A cedar, 10 ins. diam., bears N. 76° E., 68 lks. dist., marked T41NR5WS17W. BT.

A cedar, 8 ins. diam., bears S. 71° 30' E., 44 lks. dist., marked T41NR5WS20BT.

A pinion, 8 ins. diam., bears S. 54° W., 32 lks. dist., marked T41NR5WS19BT.

A cedar, 8 ins. diam., bears N. 57° W., 363 lks. dist., marked T41NR5WS18BT.

Land, hilly and rolling; drains W.

Soil, light red sandy loam, mixed with rocks. Subsoil, same.

Timber, scattered cedar and pinion.

Undergrowth, scattered sagebrush.

Fair grazing.

NOTE: Continuing this line 11 lks. farther N. 0° 3' W., I fall 29 lks. W. of the temp. cor. for secs. 17, 18, 19, and 20, previously set at the E. end of the base for the triangulation of the line bet. secs. 13 and 18, T. 41 N., Rs. 5 and 6 W. This makes the true bearing of the line bet. secs. 18 and 19 S. 89° 56' E., and the distance, 79.71 chs. See page 31, Book "B."

From the cor. of secs. 13, 18, 19, and 24, T. 41 N., Rs. 5 and 6 W., I run

S. 89° 56' E., on a true line, bet. secs. 18 and 19.

Desc. gradually over rolling land, through yellowtop, sagebrush, greasewood, and scattering cedar.

Fragmentary Subdivisions of T. 41 N., R. 5 W.

3.

Chains

4.80 Cedar rail fence, bears N. and S.  
 18.35 Field, 3.50 chs. wide, bears N. and SW.  
 24.60 Road, bears N. and S.  
 29.00 Wire fence, bears NW. and SE.  
 33.00 Old road, bears N. and S.  
 39.71 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;  
     S18 in N.,  
     S19 in S., and  
      $\frac{1}{4}$  in W. half;  
     dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth,  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, N. of cor. No trees within limits.  
 79.71 The cor. of secs. 17, 18, 19, and 20.  
 Land, rolling; drains N.  
 Soil, light red sandy loam, of medium texture, on subsoil of red clay.  
 Timber, scattering scrub cedar and pinion.  
 Undergrowth, greasewood, yellowtop, and sagebrush.  
 Good grazing and agricultural land.

-----  
 East, on a true line, bet. secs. 17 and 20.  
 Asc. gradually over rolling land, through scattering cedars and sagebrush.

8.60 Cedar post fence, bears N. and S. N. end of long spur from the S. Stone house is situated about 5 chs. N. Leave scattering cedar, bears N. and S. Descend gradually into small canyon valley.  
 20.00 Wash, 45 lks. wide, 6 ft. deep, drains N.  $35^{\circ}$  W.; asc. gradually.  
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, to bedrock, surrounded by a mound of stone, for  $\frac{1}{4}$  sec. cor., marked on brass cap  
     1914 on S. rim;  
     S17 in N.,  
     S20 in S., and  
      $\frac{1}{4}$  in W. half; from which  
     A pinion, 8 ins. diam., bears N.  $21^{\circ}$  W., 72 lks. dist., marked  $\frac{1}{4}$ S17BT.  
     A pinion, 8 ins. diam., bears S.  $41^{\circ}$  30' E., 37 lks. dist., marked  $\frac{1}{4}$ S20BT.  
 This cor. is located at the base of a steep slope of a broken ridge. Discontinue line at this point.  
 Land, rolling; drains NW.  
 Soil, light red sandy loam, of medium texture, on subsoil of red clay and stone.  
 Timber, scrub cedar and pinion.  
 Undergrowth, greasewood and sage.  
 Good grazing.

-----  
 From the cor. of secs. 17, 18, 19, and 20, I run N.  $0^{\circ}$  3' W., bet. secs. 17 and 18.  
 Desc. gradually over rolling land, through scattering cedar, sagebrush, and greasewood.

3.50 Wire fence, bears E. and W.  
 28.00 Enter cultivated land, 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  
     1914 on S. rim;  
      $\frac{1}{4}$  in N.,  
     S17 in E., and  
     S18 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.  
 45.00 Leave cultivated field, bears E. and W.  
 63.40 Wire fence, bears E. and W.

## 4. Fragmentary Subdivisions of T. 41 N., R. 5 W.

|        |   |
|--------|---|
| Chains |   |
| 75.23  | Wire fence, bears N. 76° W. and S. 76° E.; leave sandy loam soil, enter rocky soil, bears E. and W.   |
| 80.00  | Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 7, 8, 17, and 18, marked on brass cap<br>1914 on S. rim;<br>T41NR5W in N., half;<br>S7 in NW.,<br>S8 in NE.,<br>S17 in SE., and<br>S18 in SW. quadrant; from which<br>A cedar, 14 ins. diam., bears S. 31° 30' E., 133 lks. dist., marked T41NR5WS17BT.<br>No other trees available for bearing trees.<br>Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.<br>Land, rolling; drains W.<br>Soil, light red sandy loam, of medium texture.<br>Timber, scattering cedar.<br>Undergrowth, greasewood and sage.<br>Good grazing.<br>Water drains into Cane Beds and sinks. |
|        | -----   |
|        | East, on a true line, bet. secs. 8 and 17.<br>Desc. gradually over rolling land, through sagebrush and greasewood.  |
| 4.60   | Wire fence, bears N. and S.   |
| 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<br>1914 on S. rim;<br>S8 in N.,<br>S17 in S., and<br>¼ in W. half;<br>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.<br>This cor. is located at the mouth of Parashaunt canyon, drainage from which sinks at the mouth.<br>Discontinue line at this point.<br>Soil, white fine sand.<br>Undergrowth, greasewood, yellowtop, and sagebrush.<br>Good grazing.<br>No timber.   |
|        | -----   |
|        | From the cor. of secs. 7, 8, 17, and 18, I run West, on a true line, bet. secs. 7 and 18.<br>Over rolling land at mouth of Rosie canyon, through sagebrush and greasewood; desc. gradually.   |
| 19.95  | Wire fence, bears N. 76° W. and S. 76° E.   |
| 24.90  | Edge of cultivated field, bears S. and S. 76° E.; asc. gradually.   |
| 34.80  | Wire fence, bears N. and S.   |
| 35.00  | Road, bears N. and S.   |
| 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<br>1914 on S. rim;<br>S7 in N.,<br>S18 in S., and<br>¼ in W. half;<br>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.<br>This cor. is located at the foot of a steep rocky slope. I discontinue the line at this point.<br>Land, rolling; drains S. into Cane Beds, where the water sinks.<br>Soil, light sandy loam.<br>Undergrowth, sagebrush and greasewood.  |

Chains Good grazing.

September 12, 1914.

September 13, 1914: At the cor. of secs. 19, 20, 29, and 30, I set off 36° 56' N. on the lat. arc; 3° 59' N. on the decl. arc; and, at 8h 11m a. m., l. m. t., determine a meridian with the solar.

Thence I run

East, on a true line, bet. secs. 20 and 29.

Desc. gradually over rolling and hilly land, through dense cedar and pinion.

12.00 Head of wash, drains NW.; asc. abruptly.

20.00 Saddle in ridge, bears N. and S., 60 ft. above head of wash. Wire fence, bears N. and S. across saddle. Desc. abruptly over rocky E. slope.

30.00 Base of descent, 75 ft. below top, bears N. and S.; leave cedar and pinion; continue over rolling land.

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; S20 in N., S29 in S., and 1/4 in W. half;

dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of cor.

72.00 Base of broken steep ascent, bears N. 35° W. and SE.; enter dense cedar and pinion timber; asc. abruptly.

78.00 Broken rim, 30 ft. high, bears N. 35° E. and SW. for 3 chs; thence SE.; asc. gradually.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground, to bedrock, surrounded by a mound of stone, for the cor. of secs. 20, 21, 28, and 29, marked on brass cap

1914 on S. rim; T41NR5W in N. half; S20 in NW., S21 in NE., S28 in SE., and S29 in SW. quadrant; and

raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. Pits impracticable. Trees too small for bearing trees.

This cor. is 100 ft. above 1/4 sec. cor.

Soil, light red sandy loam, and rocky; drains NW.

Land, rolling and hilly.

Timber, scrub cedar and pinion.

Undergrowth, sage.

Good grazing.

S. 0° 3' E., bet. secs. 28 and 29.

Over broken point of mesa, through dense cedar and pinion. 10.00 Rim of broken mesa, 20 ft. high, bears NW. and SE.; desc. abruptly.

16.00 Base of mesa, 80 ft. below top, bears NW. and SE., leave cedar and pinion; enter rolling land, through sagebrush and greasewood.

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., S28 in E., and S29 in W. half; from which

A cedar, 8 ins. diam., bears S. 78° W., 63 lks. dist., marked 1/4 S29BT.

No other trees suitable for bearing trees within limits. 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.

## 6. Fragmentary Subdivisions of T. 41 N., R. 5 W.

Chains Land, rolling 24 chs.; rough and steep, 16 chs.  
Soil, light sandy loam; rocky, 16 chs.  
Timber, cedar and pinion, 16 chs.  
Undergrowth, sagebrush and greasewood, 24 chs.  
Good grazing, 24 chs.

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From the cor. of secs. 20, 21, 28, and 29, I run  
N. 0° 3' W., bet. secs. 20 and 21.  
Desc. abruptly over broken slope of mesa, through cedar  
and pinion.

15.00 Base of mesa and edge of valley, 100 ft. below top, bears  
NE. and SW.; continue over broken W. slope, on E. edge  
of valley.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
ground, for the  $\frac{1}{4}$  sec. cor., marked on brass cap  
1914 on S. rim;  
 $\frac{1}{4}$  in N.,  
S21 in E., and  
S20 in W. half; from which  
A cedar, 10 ins. diam., bears N. 30° 30' E., 48 lks.  
dist., marked  $\frac{1}{4}$ S21BT.  
A cedar, 8 ins. diam., bears N. 63° 30' W., 41 lks.  
dist., marked  $\frac{1}{4}$ S20BT.  
Discontinue line at this point.  
Land, broken slope of mesa on E. edge of valley; drains  
W.  
Soil, rocky, 4th rate, in light red sandy loam.  
Timber, scattering cedar and pinion.  
Undergrowth, some sagebrush.  
Poor grazing.

September 13, 1914.

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GENERAL DESCRIPTION.

The land in the surveyed portion of this township is  
mostly rolling, with a southwestern exposure. The re-  
mainder of the land lies entirely in the Red Ledges,  
and is broken by numerous canyons with perpendicular  
sandstone walls from 100 to 1000 ft. in height, mak-  
ing it impracticable to survey.

The soil in the surveyed portion is mostly a light sandy  
loam, of medium texture, from 1 to 10 ft. in depth,  
and well adapted to farming. The soil in the unsur-  
veyed portion is mostly stony on the slopes with white  
sand on the tops of the ridges.

All washes in the surveyed portion drain into Cane Beds,  
where the water sinks.

The Two Bar Cattle Company, which claims the stone house  
in sec. 17, cultivates the land in the W. half of sec.  
17 and 18. Wild hay and corn are the principal crops.

The valleys contain a good growth of sagebrush, grease-  
wood, yellowtop, and grass, affording excellent graz-  
ing for cattle. The canyon sides and ridges in the  
unsurveyed portion are devoid of undergrowth and vege-  
tation, excepting scrub cedar and pinion timber, which  
grows in abundance, making suitable material for fuel  
and fence posts.

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

*J. P. 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 5 West  
of the Gila and Salt River Base and Meridian  
in the State of Arizona

executed by Jas. 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.

*[Signature]*

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.~~