

Subdivisional
BOOK "Z"

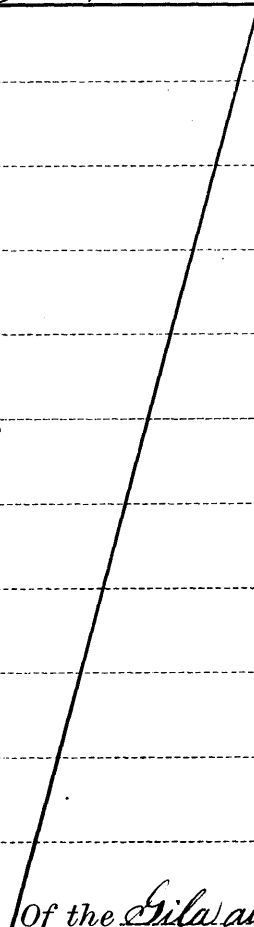
BOOK 2604

FIELD NOTES

AND RESURVEY
OF THE SURVEY OF THE

Subdivisional lines of Township No. 27. N. of Range

No. 15. E. 4th.



Of the Gila and Salt River Basins and Meridian,

in the Territory of Arizona

EXECUTED
AS SURVEYED BY

Sidney E. Blouh

United States ^{Examiner of Surveys} ~~Deputy Surveyor~~

Special Instructions from the Commissioner of the General Land Office

Under ~~his~~ Contract No. _____, dated Oct. 2nd 1907 and May 15th 1908.

and Resurvey
Survey commenced November 20th, 1909

and Resurvey
Survey completed December 3rd, 1909

NAMES AND DUTIES OF ASSISTANTS.

<u>Sam L White</u>	<u>Compassman</u>
<u>Pred L Warner</u>	<u>Chairman</u>
<u>Earl Albright</u>	<u>Chairman</u>
<u>William P Corson</u>	<u>Woundman</u>
<u>Chas L Shumway</u>	<u>Woundman</u>
<u>Ralph Sampson</u>	<u>Plagman</u>

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Subdivisional
Book "Z"
INDEX DIAGRAM.

Township No. 27 N., Range No. 15 E.

Ext. Bk. "AD" Exterior Book "Z" 1264

Ext. Bk. "AF"

Ext. Bk. "O"

Exterior Book "AD"

Exterior Book "Z"

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Ext. Bk. "AA"

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Ext. Bk. "N"

Ext. Bk. "AA"

Ext. Bk. "M"

Meanders Page

Resurveyed.

PRELIMINARY OATHS OF ASSISTANTS.

See Subdivisional Book "Y"

WE, _____ and _____
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 _____

_____, Chainman.

_____, Chainman.

Subscribed and sworn to before me this _____ }
day of _____, 190



WE, _____ and _____
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 _____

_____, Moundman.

_____, Moundman.

Subscribed and sworn to before me this _____ }
day of _____, 190



WE, _____ 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 _____

_____, Axman.

_____, Axman.

Subscribed and sworn to before me this _____ }
day of _____, 190



I, _____, 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 _____

_____, Flagman.

Subscribed and sworn to before me this _____ }
day of _____, 190



Chairs

Survey^{and Resurvey} commenced November 20th 1909 and executed with
a W and S. E. Gurley engineers transit No. 76. with a Burt Solar
attachment. The horizontal limb is provided with one double
vernier reading to single minutes of arc. The verniers of the
latitude and declination arcs reading to 0' 30" of arc.
Examine the adjustments of the transit and find them
perfect, then to test the solar apparatus by comparing its
indications resulting from solar observations made during
a.m. and p.m. hours with a meridian established
by observations on Polaris. I proceed as follows:
At my camp which is located near the cor. of sec. 15, 16,
21 and 22 T 27 N. R 15 E. Latitude $35^{\circ}43\frac{1}{2}'$ N. Longitude
 $110^{\circ}44'34''$ W and at 7^h 05^m p.m. l.m.t. by my watch which
is correct local mean time I observe Polaris in accordance
with the instructions in the Manual and mark the
direction thus determined by a tack driven in a stake
set firmly in the ground 5 chs N. of my instrument

Astronomical time of Obs. Nov 20th 1909 7^h 05^m

Equivalent to time of Nov 19th 31 05

Astron time U.C. Polaris Nov 15th 1909 9^h 50^m

Reduction to Nov 19th: Subtract 15.8

U.C. Polaris Nov 19th 9 34.2 Subtract 9 34.2

Hour Angle Polaris at Observation 21 30.8

Subtract from 23 56.1

True Argument for Table XII 2 25.3

Azimuth of Polaris at Observation 0° 51' E

November 20th 1909

1909
November 21st At 8^h 30^m a.m. l.m.t. I lay off the azimuth of
Polaris 0° 51' to the west and mark the meridian thus
determined by a tack driven in a stake set in the ground
5 chs. N. of my instrument

At 9^h 00^m a.m. l.m.t. I set off $35^{\circ}43\frac{1}{2}'$ N. on the lat. arc
19° 51' S. on the decl. arc and determine a meridian
with the solar and mark a point thereof by a tack
driven in the stake already set 5 chs N. of my instrument
this point falls 0.2 ins east of the meridian established
by the Polaris observation

At 3^h 00^m p.m. l.m.t. I set off $35^{\circ}43\frac{1}{2}'$ N. on the lat. arc.

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19°54½'S. on the decl. arc and determine a meridian with the solar. and mark a point thereof by a tach drawn in the stake already set 5 Chs. N. of my instrument this point falls 0.3. ins west of the meridian established by the Polar observation

The solar apparatus by a.m. and p.m. observations defines positions for meridian respectively about 0'10"E and 0'16" west of the meridian determined by the Polar observation, therefore I conclude that the adjustments of the instruments are satisfactory

November 21st 1909

November 22nd 1909. At 8^h 30^m a.m. I. m. L. D set off 35°41' N. on the lat. arc 20°04' S on the decl. arc and determine a meridian with the solar at the cor. of sec. 12. 35 and 36. on S. side of Twp. which I re-established, Oct 14th 1909. ^{and described in Exterior Book "M"} Thence I run, resurveying, N 0°01' W. 1/2 sec. 35 and 36.

Ascend S. slope of sand ridge over hilly sandy land through scattering sage and greasewood brush undergrowth and bunch grass.

- 3 00 Top of sand ridge bears N.E. and S.W. desc N.W. slope
- 26.00 No trace of old 1/4 sec. cor can be found.
- 24.75 Begin steep descent over stony land bears N.E. and S.W.
- 25.10 A point from which Little Burro Spring bears East 14.24 Chs dist. Another spring bears S. 43° W. about 10 Chs.
- 27.00 Foot of steep rocky descent leave stony hilly land bears N.E. and S.W., enter level adobe land bears N.E. and S.W.
- 28.70 Road to Burro Spring bears N.E. and S.W.
- 31.00 A point from which Thomas Stonan's house bears East 11.02 Chs. dist.
- 32.42 Road from Winslow Arizona to Oraibi Arizona bears N.E. and S.W.
- 34.90 A stone house unoccupied bears east. 14.10 Chs. dist
- 38.10 Left bank of the Oraibi Wash 20 ft. high bears N.E. and S.W.
- 38.85 Center of dry bed of Oraibi Wash course S.W.
- 39.60 Right bank of the Oraibi Wash 20 ft. high bears N.E. and S.W.
- 40.00 Shave iron post 3 ft. long 1 in. in diam. 26 ins in the ^{re-established} ground for 1/4 sec. cor marked on bear Cap. 4 S 35 on W half and S 36 on E half. No trace of orig. 1/4 sec. cor. can be found. Dig pits 18x18x12 ins N and S of post 3 ft. dist. and raise a mound of earth 3½ ft. tall, 1½ ft. high W. of cor. No trace of old 1/4 sec. cor. can be found.
- 60.00
- 61.15 Road from Winslow Arizona to Oraibi Arizona bears N.E. and S.W.

Chains

- 72.00 Leave undergrowth bears E and W. enter cultivated land bears E and W.
- 80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins in the ground ^{re-established} for $\frac{1}{4}$ cor. of sec. 25, 26, 35 and 36 marked on brass cap T 27 N. S 26 in N.W. R 15 E. S 25 in N.E. S 36 in S.E. and S 35 in S.W. quadrant.
 Dig pits 18x18x12 ins. in each sec. 5 $\frac{1}{2}$ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
 No trace of original sec. cor. can be found.
 Land level and hilly.
 Soil sandy, adobe, and stony 2nd 3rd and 4th rates.
 No timber.
-
- 40.00 S 89° 56' E on a random line bet. sec. 25 and 36.
 Set temp. $\frac{1}{4}$ sec. cor.
- 80.00 Intersect E. boundary of Twp. 10 bet. S. of the cor. of sec. 25 previously estab. by me and described in Exterior Book "Z" to 31 and 36. Thence S run, resurveying West on a true line bet. sec. 25 and 36.
 Descend W. slope over hilly, sandy and stony land through sage and greasewood brush undergrowth and bunch grass.
- 18.40 Sand stone ledge 25 ft. high bears N.E. and S.W.
 20.00 No trace of old $\frac{1}{16}$ sec. cor. can be found.
 36.00 Foot of descent. bears hilly land and undergrowth bears N.E. and S.W., enter level cultivated field bears N.E. 8.00 chs. dist. and S.W. 5 chs. dist.
- 37.70 Road to Little burro Spring from Puerca Ariz bears N.E. and S.W.
- 40.00 Set an iron post. 3 ft. long 1 in in diam. 26 ins. in the ground ^{re-established} for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 25 on N. half and S 36 on S. 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 W. of cor.
 No trace of original $\frac{1}{16}$ sec. cor. can be found.
- 50.00 Left bank of the Crasbi Wash 8 ft. high. bears N.E. and S.W.
- 51.50 Center of dry bed of Wash course S.W.
- 53.00 Right bank of the Crasbi Wash bears N.E. and S.W.
 60.00 No trace of old $\frac{1}{16}$ sec. cor. can be found.
 62.25 Road from Winslow Arizona to Crasbi Arizona bears N.W. and S.E.
- 68.20 Road from Winslow Arizona to Crasbi Arizona bears N.E. and S.W. These roads join about 10 chs. northeast of this point.
- 80.00 ^{re-established} The $\frac{1}{4}$ cor. of sec. 25, 26, 35 and 36, heretofore described.
 Land level and hilly.
 Soil sandy adobe and stony 2nd 3rd and 4th rates.

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No timber

No 01' W. h. sec. 25 and 26, resurveying

20.00 Open level sandy cultivated land.
No trace of old $\frac{1}{16}$ sec. cor. can be found.

21.50 Leave cultivated land bears N.E. and S.W., enter scattering
sage and greasewood brush undergrowth and bunch grass
bears N.E. and S.W.

32.00 Leave level land bears N.E. and S.W. enter low rolling
sand hills bears N.E. and S.W. asc. gradually over S.E.
slope

40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the
re-established ground for $\frac{1}{4}$ sec. cor. marked out brass cap $\frac{1}{4}$ S 26
on W half and S 25 on E half. No trace of orig. $\frac{1}{4}$ sec. cor. can
be found.
Dig pits 18x18x12 ins N and S. of post. 3 ft. dia. and
raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high W of cor.

60.00 No trace of old $\frac{1}{16}$ sec. cor. can be found.

73.00 Top of sand ridge bears N.E. and S.W. desc NW. slope.

80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the
re-established ground for $\frac{1}{4}$ cor. of sec. 23, 24, 25 and 26. marked out
brass cap T 27 N S 23 in NW, R 15 E S 24 in NE, S 25
in SE and S 26 in SW. quadrants.
Dig pits 18x18x12 ins in each. sec. 5 1/2 ft. dia. and
raise a mound of earth 4 ft. base 2 ft. high W. of cor.
No trace of original $\frac{1}{16}$ sec. cor. can be found.
Land level and hilly.
Soil sandy 2nd and 3rd rate.

No timber

At this cor. D set off 20° 06 1/2' S. on the decl. arc and at
noon observe the sun on the meridian and obtain
on the lat. arc a reading of 35° 43' N.

Reach on a random line bet. sec. 24 and 25

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.94 Daterack E. boundary of T₂₇ N R₁₅ E. S. of the cor. of sec.
previously re-established by me and described in Exterior Book "Z"
19, 24, 25 and 30, ¹ Thence I run, resurveying

S 89° 58' W. on a true line bet. sec. 24 and 25.
Descend NW. slope over rolling sandy land through scattering
sage and greasewood brush undergrowth and bunch
grass.

0.40 Road from Little Burro Spring to Mena Arizona bears
N.E. and S.W.

5.00 Foot of descent. leave rolling land bears N.E. and S.W.

Chains

- 20.00 enter level adobe land bears N.E. and S.W.
 No trace of old $\frac{1}{16}$ sec. cor. can be found.
- 23.60 Left bank of the Craibi Wash. 15 ft. high bears N and S.
- 24.30 Center of dry bed of Wash course S.
- 25.05 Right bank of the Craibi Wash. 15 ft. high. bears N and S. three
 row level land.
- 39.97 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the
 re-established ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 24 on
 N half and S. 25 on S half
 Dig pits 18 x 18 x 12 in. E and W. of post. 3 ft. dia. and
 raise a mound of earth 3 $\frac{1}{2}$ ft. base 1 $\frac{1}{2}$ ft. high N.
 of cor. No trace of orig. $\frac{1}{4}$ sec. cor. can be found.
- 49.00 Road from Winslow Arizona to Craibi Arizona bears
 N and S.
- 53.90 Level level land bears N.E. and S.W., enter low rolling
 sand hills. bears N.E. and S.W. ascend gradually over
 N.E. slope
- 60.00 No trace of old $\frac{1}{16}$ sec. cor. can be found.
- 79.94 The cor. of secs. 23, 24, 25 and 26, heretofore described.
 re-established
 sand level, rolling and hilly.
 Soil sandy and Adobe 2nd and 3rd rate.
 No timber

N 0° 01' W. Feb. secs. 23 and 24.

Descend N.W. slope over hilly sandy land through scattering
 sage and greasewood brush undergrowth and bunch
 grass.

6.00 Dry ravine course E. asc.

40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the
 ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 23
 on W. half and S 24 on E. half.

Dig pits 18 x 18 x 12 in. N and S. of post. 3 ft. dia. and
 raise a mound of earth 3 $\frac{1}{2}$ ft. base 1 $\frac{1}{2}$ ft. high. W. of
 cor.

53.60 Top of sand ridge bears E. and W. desc.

64.00 Foot of descent in depression bears E. and W. drains to
 the east, asc.

79.00 Top of sand ridge bears N.W. and S.E. desc. N.E. slope

80.00 Set an iron post 3 ft. long 2 in. in diam. 24 ins. in the
 ground for cor. of secs. 13, 14, 23 and 24, marked on
 brass cap. T 27 N S. 14 in N.W. R 15 E S 13 in N.E. S 24
 in S.E. and S 23 in S.W. quadrants.

Dig pits 18 x 18 x 12 in. in each. sec. 5 $\frac{1}{2}$ ft. dia. and

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Subdivision of Twp 24 N. R 15 E.
lines

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Chains

raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
Land hilly.
Soil sandy 3rd rate.
No timber.

November 22nd 1909

1909
November 23rd at 7^h 45^m a. m. ^{l. m. t.} set off 35° 43 1/2' N.
on the lat. arc 20° 15' S. on the decl. arc and determined
a meridian with the solar at the cor. of sec. 13, 14.
23 and 24, ^{heretofore described.} Thence I run

40.00 N 89° 58' E on a random line bet. sec. 13 and 24
Set temp. 1/4 sec. cor.

80.00 Intersect E. boundary of Twp. 24 N. S. of the cor. of sec.
^{previously re-established by find and described in Exterior Book "Z"}
13, 14, 19 and 24, Thence I run, resurveying to 20.00

20.00 S 89° 57' W. on a true line bet. sec. 13 and 24.
Over level sandy and adobe land through scattering
sage and greasewood brush undergrowth.

22.65 No trace of old 1/4 sec. cor. can be found.
Road from Winslow Arizona to Oraibi Arizona bears
N. and S.

28.00 Level adobe land bears N.E. and S.W. Enter
low rolling sand hills bears N.E. and S.W., are gradually
over S.E. slope.

40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in
the ground for 1/4 sec. cor. marked on brass cap 1/4 S
13 on N. half and S. 24 on S. half.

Dig pits 18x18x12 ins. E. and W. of post 3 ft. dia. and
raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high. W.
of cor.

80.00 The cor. of sec. 13, 14, 23 and 24, heretofore described
Land level and hilly.
Soil sandy and adobe 2nd and 3rd rate.
No timber.

N 0° 01' W. bet. Sec 13 and 14.

26.00 Descend gradually N.E. slope over hilly sandy land through
sage and greasewood brush undergrowth and bunch grass
Dry ravine course N.E. are.

40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the
ground for 1/4 sec. cor. marked on brass cap 1/4 S 14 on W. half.
and S 13 on E. half.

Dig pits 18x18x12 ins. N and S. of post 3 ft. dia. and raise

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a mound of earth 3 1/2 ft. base, 1 1/2 ft high. W. of cor.
 49.00 Top of sand ridge bears E. and W. desc.
 52.35 Dry ravine 25 lbs. wide 3 ft deep course S.E.
 56.00 Dry ravine 15 lbs. wide 2 ft. deep course S.E. asc.
 60.50 Top of sand ridge bears N.E. and S.W. desc.
 62.00 The same ravine course S.W.
 65.80 The same ravine course S.E. asc.
 75.00 Top of sand ridge bears E. and W. desc.
 75.55 Dry ravine course S.E.
 79.20 The same ravine course S.W. asc.
 80.00 Set an iron post 3 ft long 2 ins. in diam. 24 ins. in the
 ground for cor. of sec. 11, 12, 13 and 14 marked on brass caps
 T 27 N S 11 in NW. R 15 E S 12 in N.E. S 13 in S.E. and S 14
 in S.W. quadrants.
 Dig pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dia. and
 raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
 Land hilly.
 Soil sandy 3rd rate.
 No timber.

N 89° 57' E on a random line bet. sec. 12 and 13.
 40.00 Set temp. 1/4 sec. cor.
 80.04 Intersect E. boundary of Twp. 3 lbs. S. of the cor. of
 previously estab. by me and described in Exterior Book "Z" of
 sec. 7, 12, 13 and 18. Tunnel Drive
 S 89° 56' W. on a true line bet. sec. 12 and 13.
 Ascend S.E. slope over hilly sandy land through sage
 and greasewood brush undergrowth and bunch grass.
 40.02 Set an iron post 3 ft long 1 1/2 in diam. 26 ins. in the
 ground for 1/4 sec. cor. marked on brass cap 1/4 S 12 on
 N. half. and S. 13 on S. half.
 Dig pits 18 x 18 x 12 ins. East W. of post. 3 ft dia. and
 raise a mound of earth 3 1/2 ft. base, 1 1/2 ft high. W.
 of cor.
 70.00 Top of sand ridge bears N. and S. desc W. slope.
 79.40 Dry sand wash 15 lbs. wide course S.E.
 80.04 The cor. of sec. 11, 12, 13 and 14, heretofore described.
 Land hilly.
 Soil sandy 3rd rate.
 No timber.

Survey and Resurvey of the
Subdivision of Tps 2476. R 15 E.
lines

chains

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N 70° 01' W 1/4 sec. 11 and 12.

Descend N.E. slope over hilly sandy land through sage and greasewood bush undergrowth and bunch grass.

0.25 Dry sand wash 15 lbs. wide 1 ft. deep course S.E. cor.

36.00 Top of sand ridge bears E and W. desc.

40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for 1/4 sec. cor. marked on brass cap 1/4 S 11 on W. half and S 12 on E. half

Dig pits 18 x 18 x 12 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.

NOTE At this cor I set off 20° 19' S. on the decl. arc and at noon observe the sun on the meridian, and obtain on the lat. arc a reading of 35° 45' 76.

53.65 Dry sand wash 20 lbs. wide course N.E. acc.

80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for cor. of sec. 1, 2, 11 and 12 marked on brass cap T 27 N. S 2 in N.W. R 15 E, S 1 in N.E. S 12 in S.E. and S 11 in S.W. quadrants.

Dig pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist. and raise a mound of earth 4 ft. base. 2 ft. high W. of cor. Land hilly.

Soil sandy 3rd rate.
No timber.

N 89° 56' E. on a random line bet. sec. 1 and 12.

40.00 Set temp. 1/4 sec. cor.

80.04 Intersects E. boundary of Tps. 3 lbs. N. of the cor. of sec. 1, 6, 7 and 12, ^{previously re-estab. by me and described in Exterior Book "E"} Meilee Iron

S 89° 57' W. on a true line bet. sec. 1 and 12.

Ascend gradually E. slope over rolling sandy land through sage and greasewood bush undergrowth and bunch grass.

40.02 Set an iron post 3 ft. long 1 in. in diam 26 ins. in the ground for 1/4 sec. cor. marked on brass cap 1/4 S 1 on N. half and S 12 on S. half.

Dig pits 18 x 18 x 12 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.

80.04 The cor. of sec. 1, 2, 11 and 12, heretofore described. Land rolling. Soil sandy 3rd rate.

Chasius

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No timber

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.08 Intersect N. 60° 01' W. on a random line bet. secs. 1 and 2.
 recently estab. by the post described in Exterior Book "Z"
 2, 35, and 36. ^{3 lks. N. 89° 58' W.} ^{of the cor. of sec. 1}
 Thurst Drive
 South, on a true line bet. secs. 1 and 2.
 Ascend gradually N. slope over rolling and hilly, sandy,
 land through sage and greasewood bush undergrowth
 and bunch grass.
- 26.00 Pop of high sand ridge bears E and W. desc.
- 40.08 Set an iron post 3 ft. long, 1 in. in diam 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 2
 on W half and S 1 on E. half.
 Dig pits 18 x 18 x 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.
- 55.30 Dry ravine 20 lks. wide course E, asc.
- 60.80 Pop of sand ridge bears N.E. and S.W. desc.
- 80.08 The cor. of secs. 1, 2, 11 and 12; heretofore described.
 Land rolling and hilly.
 Soil sandy 3rd rate.
 No timber.

November 23rd 1909

- 1909
 November 24th at 8^h 30^m a.m. ^{l.m.t.} Set off 35° 41' W.
 on the lat. arc, 20° 29' S. on the decl. arc, and determined
 a meridian with the solar at the cor. of secs. 2, 3,
 recently reestablished by one post described in Exterior Book "M"
 34 and 35 on the S. 60° 01' W. ^{Thurst Drive}
 on the S. 60° 01' W. bet. secs. 34 and 35
- 40.00 Over rolling sandy and adobe land sloped to S.E. through
 sage and greasewood bush undergrowth and bunch grass
 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the
 ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S. 34 on W
 half and S 35 on E. half.
 Dig pits 18 x 18 x 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.
 P. row this cor. a large spring. Feas. S 73° 18' E. 73.75 ch.
 dist.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in
 the ground for cor. of secs. 26, 27, 34 and 35 marked

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on brass cap. T₂₇ N. S 27 in N.W. T₁₅ E S 26 in N.E. S 35
in S.E. and S 34 in S.W. quadrants.

Dig pits 18x18x12 ins. in each sec. 5 1/2 ft. dia. and
raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
Land rolling.

Soil sandy and adobe 2nd and 3rd rate.
No timber.

89° 56' E on a random line bet. sec. 26 and 35
40.00 Set temp. 1/4 sec. cor.

79.96 Intersect N. and S. line 10 lks. ^{re-established} W. of the cor. of sec. 25
- 26, 35, and 36, ^{heretofore described} thence draw, resurveying to 1/4 sec. cor.

N 89° 52' W. on a true line bet. sec. 26 and 35

Over level sandy land in cultivated field.

2.00 Level cultivated land bears N.W. and S.E. Enter sage
and greasewood bush undergrowth and bunch grass

bears N.W. and S.E.
20.00 No trace of old 1/16 sec. cor. can be found.

35.00 Level land bears N.E. and S.W. Enter low rolling
sand hills. bears N.E. and S.W. are. S.E. slope.

39.98 Set out iron post 3 ft. long 1 in. in diam. 26 ins. in the
ground for 1/4 sec. cor. marked on brass cap. 1/4 S 26
on N half and S 35 on S half.

Dig pits 18x18x12 ins. East W. of post. 3 ft. dia. and
raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high. W.
of cor. No trace of orig. 1/4 sec. cor. can be found.

49.00 Top of ridge bears N. and S. desc.

56.00 Dry ravine course S. asc.

66.00 Top of sand ridge bears N. and S. desc.

79.60 Center of dry sand wash 30 lks. wide 10 ft. deep.
Course S.E. asc.

79.96 The cor. of sec. 26, 27, 34 and 35, heretofore described.

Land level and hilly.

Soil sandy 2nd and 3rd rate.

No timber.

N 0° 01' W bet. sec. 26 and 27

Over rolling sandy land through sage and greasewood
bush undergrowth and bunch grass

14.60 Dry sand wash 30 lks. wide 12 ft. deep course S.E.
Ascend S.W. slope.

Labor

26.65 Dry sand wash 10th wide 2th deep. Course S.W.
 40.00 Set an iron post 3th long in in draw. 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 27
 on W half and S 26 on E. half.
 Dig pits 18x18x12 ins. N and S. of post. 3th dish and
 raise a mound of earth 3 $\frac{1}{2}$ ft. base $\frac{1}{2}$ ft. high W.
 of cor.
 62.25 Top of sand ridge bears E and W. desc N. slope.
 80.00 Set an iron post 3th long 2 ins. in draw. 24 ins. in
 the ground for cor. of elev. 22, 23, 26 and 27, marked
 on brass cap T 27 N S 22 in NW, R 15 E S 28 in NE.
 S 26 in SE and S 27 in S.W. quadrant.
 Dig pits 18x18x12 ins. in each sec, 5 $\frac{1}{2}$ ft. dish and
 raise a mound of earth 4 ft. base 2 ft. high W of cor.
 Land rolling and hilly.
 Soil sandy 3rd and 4th rate.
 No timber.

NOTE

At this cor I set off 20° 31 $\frac{1}{2}$ ' S. on the decl. arc and at
 noon observe the sun on the meridian, and obtain
 on the lat. arc a reading of 35° 43' 30".

40.00 S 89° 52' E on a random line bet. sec. 23 and 26.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.00 Intersect N and S. line 5 lks. ^{re-established} N. of the cor. of sec. 23, 24.
_{heretofore designated} Thence Draw
 25 and 24.

S 89° 50' W. on a true line bet. sec. 23 and 26.
 ascend N.E. slope over hilly sandy land through sage and
 greasewood bush undergrowth and bunch grass
 15.00 Top of sand ridge bears NW and S.E. desc.
 40.00 Set an iron post 3th long, 1 in. in draw 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 23 on
 N. half and S 26 on S half.
 Dig pits 18x18x12 ins. East W. of post. 3th dish and
 raise a mound of earth 3 $\frac{1}{2}$ ft. base 1 $\frac{1}{2}$ ft. high N.
 of cor.

46.00 Proof of descent in circular depression asc. E slope.
 67.50 Top of sand ridge bears N.E. and S.W. desc.
 80.00 The cor of sec. 22, 23, 26 and 27, heretofore described.
 Land hilly.
 Soil sandy, 3rd rate.
 No timber.

BOOK 2604

N 0° 01' W beh. recs, 22 and 23.
 Descend N.W. slope over rolling sandy land through
 scattering sage and greasewood bush undergrowth and
 bunch grass.

17.00 ^{Post} of descent in depression bears E. and W. drains to the
 west, asc. gradually.

40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the
 ground for $\frac{1}{4}$ sec. cor. marked on brass Cap $\frac{1}{4}$ S 22
 on W. half and S 23 on E. half.
 Dig pits 18 x 18 x 12 ins. N and S. of post 3 ft. dia. and
 raise a mound of earth 3 $\frac{1}{2}$ ft. base 1 $\frac{1}{2}$ ft. high W.
 of cor.

75.00 Top of sand ridge bears N.E. and S.W. desc.

80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in
 the ground for Cor. of recs. 14, 15, 22 and 23. marked
 on brass Cap. T 27 N. S 15 in N.W. T 15 E S 14 in N.E. S 23
 in S.E. and S 22 in S.W. quadrant
 Dig pits 18 x 18 x 12 ins. in each sec. 5 $\frac{1}{2}$ ft. dia. and
 raise a mound of earth 4 ft. base 2 ft. high W. of cor.
 Land rolling.
 Soil sandy 3rd rate.
 No timber.

S 89° 50' E on a random line beh. recs, 14 and 23.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.98 Intersect N and S. line 5 lbs. N. of the Cor. of secs. 13, 14
^{herebefore described}
 23 and 24. ^{thence} Drum

N 89° 48' W, on a true line beh. recs, 14 and 23.
 Ascend N.E. slope over hilly sandy land through sage and
 greasewood bush undergrowth and bunch grass

7.80 Top of ridge bears N.W. and S.E. desc.

34.40 Dry ravine course N.E. asc. gradually.

36.00 Begin steep ascent.

37.55 Top of clay ridge bears N. and S. desc. steeply over W. slope.

38.50 Post of steep descent desc. gradually.

39.99 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the
 ground for $\frac{1}{4}$ sec. cor. marked on brass Cap. $\frac{1}{4}$ S 14 on
 N. half and S 23 on S. half.
 Dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dia. and
 raise a mound of earth 3 $\frac{1}{2}$ ft. base 1 $\frac{1}{2}$ ft. high N.
 of cor.

Chain

79.98 The cor. of secs. 14, 15, 22 and 23, heretofore described.
 Land hilly.
 Soil sandy 3rd rate.
 No timber.

November 20th 1909

November 25th 1909 at 8^h 30^m a.m. Com. t. Det. off. 35° 43 1/2' N. on
 the lat. arc. 20° 41' S. on the decl. arc. and determined a
 meridian with the solar at the cor. of secs. 14, 15, 22 and 23,
 heretofore described,
 Thence Drun.

N 0° 01' W. bet. secs. 14 and 15

Descend N.W. slope over rolling sandy land through scattering
 sage and greasewood brush undergrowth and bunch grass

1.80 Dry ravine course S.W. asc.

7.00 Top of ascent on ridge bears N.E. and S.W. desc. gradually

40.00 Set an iron post 3 ft. long 1 in. in diam. 2 in. in the
 ground for 1/4 sec. cor. marked on brass cap 1/4 S 15° W.
 half and S 14° on E half.

Dig pits 18 x 18 x 12 in. N and S. of post 3 ft. dia. and raise
 a mound of earth 3 1/2 ft. base 1 1/2 ft. high W. of cor.

48.00 Top of sand ridge bears N.E. and S.W. desc.

51.80 Dry ravine 25 lbs. wide course S.W. asc.

72.00 Top of ascent on ridge bears N.W. and S.E. desc.
 gradually.

80.00 Set an iron post 3 ft. long 2 in. in diam. 2 1/2
 in. in the ground for cor. of secs. 10, 11, 14 and 15,
 marked on brass cap T 27 N S 10 in N.W. T 15 E.

S 11 in N.E. S 14 in S.E. and S 15 in S.W. quadrants.

Dig pits 18 x 18 x 12 in. in each sec. 5 1/2 ft. dia. and
 raise a mound of earth 4 ft. base, 2 ft. high W.
 of cor.

Land rolling.

Soil sandy 3rd rate.

No timber.

S 89° 48' E. on a random line bet. secs. 11 and 14.

40.00 Set temp. 1/4 sec. cor.

79.92 Intersect N and S. line at the cor. of secs. 11, 12, 13
 heretofore described
 and 14 Thence Drun

N 89° 48' W. on a true line bet. secs. 11 and 14.

Ascend E. slope over rolling and hilly sandy land.

BOOK 2604

- through sage and greasewood bush undergrowth and bunch grass
- 21.50 Pop of ridge bears N and S. desc
- 26.10 Dry ranched Course S.E. asc.
- 37.00 Pop of sand ridge bears N and S. desc. gradually.
- 39.96 Set an iron post 3 ft. long 1 in. in diam. 26 ins in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap. $\frac{1}{4}$ S 11 on N. half and S 14 on S. half.
Dig pits 18 x 18 x 12 ins. East W. of post. 3 ft. dia. and raise a mound of earth 3 $\frac{1}{2}$ ft. base 1 $\frac{1}{2}$ ft. high W. of cor.
- 79.92 The Cor. of sees 10, 11, 14 and 15, heretofore described.
Land rolling and hilly.
Soil sandy, 3rd rate.
No timber.

- No^o 01' W bet sees. 10 and 11.
Over rolling sandy land slopes to the south through scattering sage and greasewood bush undergrowth and bunch grass.
- 40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap. $\frac{1}{4}$ S 10 on W half and S 11 on E half.
Dig pits 18 x 18 x 12 ins. N and S. of post 3 ft. dia. and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high W. of cor.
- 59.06 Pop of ridge bears N.E. and S.W. desc.
- 80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for Cor. of sees. 2, 3, 10, and 11 marked on brass cap. T 27 N S 3 in N.W. N 15 E S 2 in N.E. S 11 in S.E. and S 10 in S.W. quadrants.
Dig pits 18 x 18 x 12 ins in each see. 5 $\frac{1}{2}$ ft. dia. and raise a mound of earth 4 ft. base, 2 ft. high. W. of cor.
Land rolling.
Soil sandy, 3rd rate.
No timber.

- S 89^o 48' E on a random line bet. sees. 2 and 11.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.

Chains

79.92 Intersect N. and S. line at the cor. of sec. 1, 2, 11 and 12,
thence down

N 89° 48' W. on a true line bet. sec. 2 and 11.

Ascend S.E. slope over rolling sandy land through scattering
sage and greasewood brush undergrowth and bunch
grass.

39.96 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the
ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ & 2 on
N. half and S 11 on S half.

Dig pits 18x18x12 ins. E and W. of post. 3 ft. dia.
and raise a mound of earth 3 $\frac{1}{2}$ ft. base 1 $\frac{1}{2}$ ft. high.
No. of cor.

60.00 Top of sand ridge bears N.E. and S.W. desc. gently

79.92 The cor. of sec. 2, 3, 10 and 11, heretofore described.

Land rolling.
Soil sandy 3rd rate.
No timber.

40.00 N 0° 01' W. on a random line bet. sec. 2 and 3.

Set temp. $\frac{1}{4}$ sec. cor.

79.90 Intersect N. line, of Pp. 3 lks. E. of the cor. of sec.
recently established by me and described in Exterior Book "Z"
2, 3, 34 and 35 ¹ thence down

S 0° 02' E on a true line bet. sec. 2 and 3.

Ascend gradually N. slope over rolling sandy
land through sage and greasewood brush
undergrowth and bunch grass.

21.00 Top of sand ridge bears E. and W. desc. S. slope

39.90 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in
the ground for $\frac{1}{4}$ sec. cor. marked on brass cap
 $\frac{1}{4}$ & 3 on W half and S 2 on E half.

Dig pits 18x18x12 ins. N. and S. of post. 3 ft. dia.
and raise a mound of earth 3 $\frac{1}{2}$ ft. base 1 $\frac{1}{2}$ ft. high.
W. of cor.

41.40 Top of descent in depression bears N.E. and S.W. drains
to the S.W. asc.

79.90 The cor. of sec. 2, 3, 10 and 11, heretofore described.

Land rolling.
Soil sandy 3rd rate.
No timber.

NOTE Clouds obscured the sun at noon today rendering
an observation for latitude with the solar impossible.

November 25th 1909

BOOK 2604

1909
November 26th Ah. 8^h 00^m a.m. l.m.t. Set off 35° 41' 26".
on the lat. arc. 20° 51' 3" on the decl. arc and determined
a meridian with the solar at the cor. of sec. 3, 4, 33, and
34 on S. ^{recently re-estab. by me and described in Exterior Book "M"} ~~dry~~ ^{Thence} ~~Drum~~

N 0° 02' W. bet. sec. 33 and 34.

Descend N.E. slope over rolling sandy land through
sage and greasewood bush undergrowth and bunch
grass.

7.60 Old freight road to Blue Canyon bears N.W. and S.E.

17.75 Dry ravine 20 lbs. wide course S.E. arc. gradually,

40.00 Set an iron post. 3 ft. long 1 in. in diam. 26 ins. in
the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 33
on W half and S 34 on E half.

Dig pits 18x18x12 ins. N and S. of post. 3 ft. dia and
raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high. W.
of cor.

80.00 Set an iron post. 3 ft. long 2 ins. in diam. 24 ins. in
the ground for cor. of sec. 27, 28, 33 and 34, marked
on brass cap T 27 N 328 in N.W. N 15 E S 27 in N.E. S 34
in S.E. and S 33 in S.W. quadrants.

Dig pits 18x18x12 ins. in each. sec. 5 $\frac{1}{2}$ ft. dia and
raise a mound of earth 4 ft. base, 2 ft. high. W.
of cor.

Land rolling.
Soil sandy, 3rd rate.
No timber.

S 89° 56' E on a random line bet. sec. 27 and 34.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.02 Intersect N and S. line 2 lbs. S. of the cor. of sec.
26, 27, 34 and B5 ^{hereinbefore described} ~~Drum~~ ^{Thence} ~~Drum~~

N 89° 57' W. on a true line bet. sec. 27 and 34

Over rolling sandy land slopes to S. through sage
and greasewood bush undergrowth and bunch
grass.

15.20 Road bears N. and S. leads to Blue Canyon Ariz

39.25 Top of high ridge bears N. and S. desc. gradually
over W. slope.

40.01 Set an iron post. 3 ft. long 1 in. in diam. 26 ins. in

Chains

17

the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 27
 on n. half and S 34 on S. half.
 Dig pits 18x18x12 ins. E and W. of post. 3 ft. dia and
 raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high. W.
 of cor.
 70.00 Pook of descent in depression bears N and S. drains
 to the South are gradually
 80.02 The cor. of sec. 27, 28, 33 and 34, heretofore described.
 Land rolling.
 Soil sandy, 3rd rate.
 No timber.

N 0° 02' W. bet. Secs 27 and 28.
 Ascend S. slope over rolling sandy land through
 sage and greasewood brush undergrowth and bunch
 grass.
 40.00 Set an iron post. 3 ft. long 1 in. in diam. 26 ins in
 the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$
 S 28 on W. half and S 27 on E. half.
 Dig pits 18x18x12 ins N. and S. of post. 3 ft. dia
 and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft.
 high. W. of cor.
 46.00 Top of high sand ridge bears NW. and S.E. desc.
 80.00 Set an iron post. 3 ft. long 2 ins. in diam. 24 ins
 in the ground for cor. of sec. 21, 22, 27 and 28
 marked on brass cap T 27 N. S 21 in N.W. R 15 E. S
 22 in N.E. S 27 in S.E. and S 28 in S.W. quadrants.
 Raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft.
 high W. of cor. Pits impracticable
 Land rolling.
 Soil sandy, 3rd rate.
 No timber.

S 89° 57' E on a random line bet. sec. 22 and 27.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.00 Intersect N and S. line at the cor. of sec. 22, 23,
 26 and 27 ^{heretofore described} Thence S run.
 N 89° 57' W. on a true line bet. sec. 22 and 27,
 descend NW. slope over rolling sandy land through
 sage and greasewood brush undergrowth and

BOOK 2604

24.85 Trench grass
Dry sand wash 30 lbs. wide 10 ft. deep Course S.E. are.

26.00 Road to Blue Canyon Arizona bears N.W. and S.E.

40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 22 on W. half and S. 27 on E. half.
Dig pits 18x18x12 ins. East W. 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.

NOTE At this cor D set off 2055' 3 on the decl. arc and at noon observe the sun on the meridian and obtain on the lab. arc a reading of $35^{\circ}43'$ true

47.00 Top of granly hill bears N.W. and S.E. desc.

48.65 Dry ravine Course S.E. are.

63.00 Top of sand ridge bears N. and S. desc. N.W. slope

80.00 The cor. of secs. 21, 22, 27 and 28, heretofore described
Land rolling and hilly.
Soil sandy and granly 3rd rate.
No timber

N $0^{\circ}02'$ W. bet. sec 21 and 22.

Descend West. slope over rolling sandy land through sage and greasewood brush undergrowth and bunch grass

17.00 Foot of descent leave rolling land bears N.E. and S.W. Enter level land bears N.E. and S.W.

40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 21 on W. half and S 22 on E. 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.

77.30 Dry sand wash 20 lbs. wide 10 ft. deep Course N.E. are.

80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for cor. of sec 15, 16, 21 and 22 marked on brass cap T 27 N S 16 in N.W. R 15 E S 15 in N.E. S 22 in S.E. and S 21 in S.W. quadrant
Dig pits 18x18x12 ins. in each. sec. $5\frac{1}{2}$ ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high. W. of cor.

Salinas

Land level and rolling.
 Soil sandy 2nd and 3rd rate.
 No timber.

- 40.00 S 89° 57' E on a random line bet. sec. 15 and 22
 Sec. temp. $\frac{1}{4}$ sec. cor.
- 79.94 Ditch bet. 21 and S. line on the cor. of sec. 14, 15,
^{heretofore described} 22 and 23, ¹/₄ Meuel Drum
- W 89° 57' N, on a true line bet. sec. 15 and 22.
 Descend NW: slope over hilly land, through sage
 and greasewood bush undergrowth and bunch
 grass.
- 3.75 Dry ravine 20 lbs. wide course S.W. and
- 11.30 NW of sand ridge bears N.E. and S.W. desc.
- 37.00 NW of descent, leave hilly land bears NW and SE
 Enter level land bears NW and S.E.
- 39.97 Set an iron post 3 ft. long 1 in. in diam, 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor. marked on brass cap.
 W S 15 on N half and S 22 on S half.
 Dig pits 18x18x12 ins. East W. of post 3 ft. diah.
 and raised a mound of earth 5 ft. base, 1 1/2 ft.
 high. N. of cor.
- 40.15 Old road to Blue Canyon Arizona bears NW.
 and S.E.
- 66.00 Left bank of dry sand wash 10 ft. high. bears NW.
 and S.E.
- 67.30 Center of dry bed of Wash. course S.E.
- 70.60 Right bank of Wash. bears N.W. and S.E. thence
 over level adobe and sandy land.
- 78.65 Dry sand wash 30 lbs. wide 15 ft. deep course N.E.
- 79.94 The cor. of sec. 15, 16, 21 and 22, heretofore described.
 Land level and hilly.
 Soil sandy and about 2nd and 3rd rate.
 No timber

Nov 26th 1909

1909
 Nov 29th 1909 l.m.t.
 At 8^h 30^m am sun set off 35° 43 1/2' N.
 on the lat. arc. 21° 25' S on the decl. arc and determine
 a meridian with the solar on the cor. of sec. 15
^{heretofore described} 16, 21, and 22, ¹/₄ Meuel Drum
 W 0° 02' W. bet. sec. 15 and 16.

BOOK 2604

Over level sandy land through sage and greasewood
bush undergrowth and bunch grass.

7.00 Right bank of dry sand Wash 8 ft high bears N.W. and S.E.

10.00 Center of dry bed of wash course S.E.

13.00 Left bank of dry sand Wash 8 ft high bears N.W. and
S.E.

40.00 Set an iron post 3 ft long 1 in. in diam 26 ins. in
the ground for $\frac{1}{4}$ sec. cor. marked on brass Cap $\frac{1}{4}$ S16
on W. half and S15 on E. 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.

50.15 Road to Blue Canyon Dig. bears N.W. and S.E.

63.00 Level land bears N.W. and S.E. enter rolling
land bears N.W. and S.E. are gradually over SW.
slope.

80.00 Set an iron post 3 ft long 2 ins. in diam 24 ins.
in the ground for Cor. of sec. 9, 10, 15 and 16
marked on brass Cap 727 N. S. 9 in N.W. R15 E S.
10 in N.E. S 15 in S.E. and S 16 in S.W. quadrants.
Dig pits 18x18x12 ins. in each sec. 5 $\frac{1}{2}$ ft. dist.
and raise a mound of earth 4 ft base 2 ft high
W. of cor.
Land level and rolling.
Soil sandy 2nd and 3rd rate.
No timber.

89°57' E on a random line bet sec. 10 and 15

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.90 Intersect N and S. line at the cor. of sec. 10, 11, 14 and
15 ^{hereinbefore described} hence run

N 89°57' W, on a true line bet. sec. 10 and 15
Ascend N.E. slope over rolling sandy land through
sage and greasewood bush undergrowth and
bunch grass.

8.00 Ridge bears N.W. and S.E. descend S.W. slope.

39.95 Set an iron post 3 ft long 1 in. in diam 26 ins.
in the ground for $\frac{1}{4}$ sec. cor. marked on brass
Cap $\frac{1}{4}$ S10 on N. half and S15 on S. half.
Dig pits 18x18x12 ins. East 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.

Notes

53.00 Road to Blue Canyon Arizona bears N. and S.
 at foot of descent in depression bears N. and S. acc.
 79.90 The cor. of secs. 9, 10, 15 and 16, heretofore described.
 Land rolling.
 Soil sandy 3rd rate.
 No timber.

N 0° 02' W. Sec. 9 and 10.
 Ascend S. slope over rolling sandy land through
 sage and greasewood brush undergrowth and
 bunch grass.
 40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins.
 in the ground for $\frac{1}{4}$ sec. cor. marked on base. Cap.
 $\frac{1}{4}$ S 19° W half and S. 10° W E. half.
 Dig pits 18 x 18 x 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.

80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins.
 in the ground for Cor. of secs. 3, 4, 9 and 10
 marked on base Cap T 27° 13' 4 in NW. T 15° E S 3
 in N. E. S 10 in S. E. and S 9 in S. W. quadrants.
 Dig pits 18 x 18 x 12 ins. in each sec 5 $\frac{1}{2}$ ft. dist.
 and raise a mound of earth 4 ft. base, 2 ft. high
 W. of cor.
 Land rolling.
 Soil sandy 3rd rate.
 No timber.

NOTE At this cor I set off 21° 27 $\frac{1}{2}$ ' S on the decl. arc
 and at noon observe the sun on the meridian
 and obtain on the lab. arc a reading of 35° 43' 11".

40.00 S 89° 57' E on a random line bet. secs. 3 and 10
 Set temp. $\frac{1}{4}$ sec. cor.
 79.92 Intersect N. and S. line at the Cor. of secs. 2, 3, 10
 and 11. ^{heretofore described} Theod. Drum
 N 89° 57' W. on a true line bet. secs. 3 and 10
 Descend W. slope over rolling sandy land through
 sage and greasewood brush undergrowth and
 bunch grass.
 38.00 Foot of descent in depression bears N. E. and S. W.

BOOK 2604

39.96 drains to the S.W. ace.
Shaw iron post 3 ft. long 1 in. in diam. 26 in.
in the ground for $\frac{1}{4}$ sec. cor. marked on brass
Cap. $\frac{1}{4}$ S 3 on N. half and S 10 on S. half.
Dig pits 18x18x12 ins. E. and W. of post. 3 ft. dia.
and raise a mound of earth $3\frac{1}{2}$ ft. base. $1\frac{1}{2}$ ft. high.
No. of cor.

71.00 This cor. is situated on top of ascent on ridge, head
N.E. and S.W. decl. N.W. slope.

79.92 Road to Blue Canyon bears N.W. and S.E.
The Cor. of sees 3, 4, 9 and 10, herebefore described.
Land rolling.
Soil sandy 3rd rate.
No timber.

40.00 N 10° 02' W. on a random line bet sees. 3 and 4.
Set temp. $\frac{1}{4}$ sec. cor.

79.80 Intersect N. side of Sp. 10 l. S. S. of the cor. of sees.
recently estab. by the and described in Exterior Book "Z"
3, 4, 33 and 34. These Drums

S 0° 06' E on a true line bet sees. 3 and 4
Descend gradually S. slope over rolling sandy
land through scattering sage and greasewood
bush undergrowth and bunch grass.

39.80 Shaw iron post 3 ft. long 1 in. in diam. 26 in.
in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap
 $\frac{1}{4}$ S 4 on W. half and S 3 on E. half.
Dig pits 18x18x12 ins. N and S. of post. 3 ft. dia.
and raise a mound of earth $3\frac{1}{2}$ ft. base. $1\frac{1}{2}$ ft.
high. W. of cor.

63.66 Road to Blue Canyon at foot of descent in
depression drains S.E.; head N.W. and S.E. are.
N.E. Slope.

79.80 The Cor. of sees 3, 4, 9 and 10, herebefore described.
Land rolling.
Soil sandy 3rd rate.
No timber.

November 29th 1909.

November 29th 1909. At 8^h 15^m a.m. l.m.t.
a.m. I set off.
35° 41' N on the l. h. are. 21° 03' S. on the decl. are.
and determine a meridian with the solar at the
Cor. of sees 4, 5, 32 and 33. on S. side of Sp., recently

Kahala

re. estab. by me and described in Exterior Book "M"
 Thence Drum

N 0° 03' W. 1/4 sec 32 and 33.

Descend N. slope over rolling sandy land through sage
 and greasewood brush undergrowth and bunch grass

3.75 Dry ravine course. are.

9.00 Top of low sand ridge bears E and W. desc.

29.00 Dry sand wash (20 lbs wide) 3 ft. deep course S.E. are.

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins in
 the ground for $\frac{1}{4}$ sec. Cor. marked on brass cap $\frac{1}{4}$ S
 32 on W half and S 33 on E half

Dig pits 18x18x12 ins. N. and S. of post 3 ft. dia. and
 raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high
 W. of cor.

50.65 Top of granly ridge bears E and W. desc.

80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in
 the ground for cor. of secs. 28, 29, 32 and 33 marked
 on brass cap T 27 N S 29 in N.W. R 15 E S 28 in N.E. S 33
 in S.E. and S 32 in S.W. quadrants.

Dig pits 18x18x12 ins. in each. sec. 5 $\frac{1}{2}$ ft. dia. and
 raise a mound of earth 4 ft. base 2 ft. high W. of cor.
 Land rolling.

Soil sandy and granly 3rd rate.
 No timber.

40.00 S 89° 56' E. on a ravelow line bet. sec 28 and 33
 Set two $\frac{1}{4}$ sec cor.

79.94 Intersect N. and S. line 3 lbs. S. of the cor. of sec.
 27, 28, 33 and ~~34~~ ^{heretofore described} Thence Drum

N 89° 57' W. on a true line bet. sec. 28 and 33.

Ascend S.E. slope over rolling sandy land through
 sage and greasewood brush undergrowth and
 bunch grass.

28.90 Old Road to Blue Canyon Criz bears N.W. and S.E.

39.97 Set an iron post 3 ft. long 1 in. in diam. 26 ins in the
 ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 28
 on N. half and S 33 on S half.

Dig pits 18x18x12 ins. E and W. of post 3 ft. dia.
 and raise a mound of earth 3 $\frac{1}{2}$ ft. base 1 $\frac{1}{2}$ ft.
 high W. of cor.

53.80 Top of sand ridge bears N.E. and S.W. desc.

79.94 The cor. of sec. 28, 29, 32 and 33, heretofore described.

BOOK 260⁺

Land rolling.
Soil sandy 3rd rate.
No timber.

N 10° 03' W. beh. sec. 28 and 29.

Descend gradually N.W. slope over rolling sandy
land through sage and greasewood brush. undergrowth
and bunch grass

3.00 Leave rolling land bear E and W. Enter level land
bear E and W

40.00 Set an iron post 3 ft. long 1 in. in diam. 26 in.
in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap.
 $\frac{1}{4}$ S 29 on W. half and S 28 on E. half.

Dig pits 18x18x12 in. N. and S. of post 3 ft. dia.
and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft.
high W. of cor.

50.00 Leave level land bear N.E and S.W. Enter rolling
land bear N.E and S.W. asc. gradually over S.E.
slope

73.00 Top of ascent. Leave rolling land bear E and W.
Enter level land bear E and W.

80.00 Set an iron post 3 ft. long 2 in. in diam. 24 in.
in the ground for cor. of sec. 20, 21, 28, and 29,
marked on brass cap. T 27 N S 20 in N.W. T 15 E.
S 21 in N.E. S 28 in S.E. and S 29 in S.W. quadrant.
Dig pits 18x18x12 in. in each sec. $5\frac{1}{2}$ ft. dia.
and raise a mound of earth 4 ft. base, 2 ft. high.
W. of cor.

Land level and rolling
Soil sandy 3rd rate
No timber

NOTE Ch. this cor. & set off 21° 06' S. on the decl arc
and at noon observe the sun on the meridian
the resulting latitude being 35° 43' 16."

S 89° 57' E on a random line beh. sec. 21 and 28.

40.00 Sub temp. $\frac{1}{4}$ sec. cor.

79.98 Intersect N and S line at the cor. of sec 21, 22,
27 and 28. ^{heretofore described} thence I run

N 89° 57' W. on a true line beh. sec. 21 and 28

Chain

- 36.00 Descend NW. slope over rolling sandy land through sage and greasewood brush and bunch grass. Post of section in depression bears NE and SW. drains to the SW. cor.
- 39.99 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 21 on N half and S 28 on S half. Dig pits 18x18x12 ins. East W. of post. 3 ft. dia. and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high. W. of cor.
- 63.86 Road to Blue Canyon Arizona bears N. W. and S. E.
- 79.98 The Cor of secs. 20, 21, 28 and 29, heretofore described. Land rolling. Soil sandy 3rd rate. No timber.

- W0003 W. Secs. 20 and 21
 Over level sandy land through sage and greasewood brush undergrowth and bunch grass.
- 38.40 Road to Blue Canyon Ariz bears N. W. and S. E.
- 40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S. 20 on W. half and S 21 on E. half. Dig pits 18x18x12 ins N and S. of post. 3 ft dia. and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.
- 80.00 Set an iron post 3 ft. long 2 ins in diam 24 ins in the ground for cor. of secs. 16, 17, 20 and 21 marked on brass cap T 27 N S 17 in NW. R 15 E S 16 in NE. S. 21 in SE. and S 20 in SW. quadrants. Dig pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dia. and raise a mound of earth 4 ft. base 2 ft. high. W. of cor. Land level. Soil sandy 3rd rate. No timber.

- S 89° 57' E on a random line bet. secs. 16 and 21.
- 40.00 Set temp $\frac{1}{4}$ sec. cor.
- 79.96 Intersect N and S. line 2 lks. N. of the cor. of sec.

BOOK 2604

15, 16, 21 and 22 ^{heretofore described} Thence Drum

N 89° 56' W. on a true line bet. sec 16 and 21
Over level sandy land through sage and greasewood
bush undergrowth and bunch grass.

39.98 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in
the ground for $\frac{1}{4}$ sec. cor. marked on brass cap
 $\frac{1}{4}$ S 16 on N. half and S. 21 on S. half.

Dig pits 18 x 18 x 12 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. W. of cor.

44.00 Leave level land bears N.W. and S.E. Enter rolling
land bears N.W. and S.E. ascend gradually over
N.E. slope.

59.50 Top of gradual ascent, leave rolling land
bears N.W. and S.E., Enter level land bears
N.W. and S.E.

79.96 The cor. of sec. 16, 17, 20, and 21, heretofore described.
Land level and rolling.
Soil sandy 3rd rate.
No timber.

November 27th 1908

November 30th ¹⁹⁰⁹ At 8⁰⁰ a.m. l.m.t. Dr. off. 35° 43' N.
on the lat. arc 21° 34' S. on the decl. arc and
determine a meridian with the solar alt. the cor.
of sec. 16, 17, 20 and 21 ^{heretofore described} Thence Drum

N 0° 03' W. bet. sec. 16 and 17.

Over level sandy land through sage and greasewood
bush undergrowth and bunch grass.

12.00 Leave level land bears N.W. and S.E. Enter rolling
land bears N.W. and S.E. desc. gradually over N.E.
slope.

40.00 Set an iron post 3 ft. long 1 in. in diam 26 ins.
in the ground for $\frac{1}{4}$ sec. cor. marked on brass
cap $\frac{1}{4}$ S 17 on W. half and S 16 on E. half.

Dig pits 18 x 18 x 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.

62.38 High bank of dry sand wash 8 ft. high bears
N.W. and S.E.

76.00 High bank of wash 8 ft. high bears N.W. and S.E.

80.00 Set an iron post 3 ft. long 2 in. in diam, 26 ins.

Lebanon

in the ground for Cor. of secs. 8, 9, 16 and 17, marked
 on brass Cap T27N S 8 in NW. R15E S 9 in NE.
 S16 in S.E. and S17 in S.W. quadrants.
 Dig pits 18x18x12 ins. in each. sec 5 1/2 ft.
 dia. and raise a mound of earth 4 ft. base
 2 ft. high W. of Cor.
 Land level and rolling.
 Soil sandy 3rd rate,
 No timber

40.00 S 89° 56' E on a random line bet secs 9 and 16.
 79.96 Set temp. 1/4 sec. cor.
 Intersect N and S line at the cor. of secs. 9, 10, 15 and 16,
 hence run herebefore described,
 N 89° 56' W, on a true line bet secs. 9 and 16.
 Over level sandy land through sage and greasewood brush
 undergrowth and bunch grass
 16.40 Road from Burro Spring to Blue Canyon Arizona bet
 NW and SE.
 25.70 Dry sand wash 30 lbs. wide 6 ft. deep course S. Coal
 out croppings in bed of wash at this place, asc & slope
 39.98 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in
 the ground for 1/4 sec. cor. marked on brass Cap 4 S.
 9 on N. half and S16 on S half.
 Dig pits 18x18x12 ins. East W. of post 3 ft. dia. and raise
 a mound of earth 3 1/2 ft. base 1 1/2 ft. high. N. of cor.
 54.00 Top of ridge bet NW and S.W. desc. gradually.
 79.96 The Cor. of secs. 8, 9, 16 and 17, herebefore described.
 Land level and rolling.
 Soil sandy 3rd rate.
 No timber.

N 0° 03' W. bet secs 8 and 9.
 Ascend S.E. slope over rolling sandy land through sage
 and greasewood brush undergrowth and bunch grass
 27.65 Top of sand ridge bet NW and S.E. desc.
 40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in
 the ground for 1/4 sec. cor. marked on brass cap.
 1/4 S 8 on W half and S 9 on E half.
 Dig pits 18x18x12 ins. N and S of post 3 ft. dia. and

28

chains

BOOK 2604

80.00

raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high. W. of cor.
Set an iron post 3 ft. long 2 in. in diam. 24 in. in
the ground for cor. of sec. 4, 5, 8 and 9, marked on
brass cap T 27 N. S 5 in N.W. R 15 E S 4 in N.E. S 9 in
S.E. and S 8 in S.W. quadrants.

Dig pits 18x18x12 ins. in each sec. 5 1/2 ft. dia. and
raise a mound of earth 4 ft. base, 2 ft. high. W. of cor.
Land rolling.

Soil sandy 3rd rate.

No timber

NOTE

At this cor. set off 21° 37 1/2' S. on the decl. arc and
at noon observe the sun on the meridian and
obtain on the lat. arc a reading of 35° 45' N.

40.00

S 89° 56' E on a random line bet. sec. 4 and 9.
Set temp. 1/4 sec. cor.

79.96

Intersect N and S. line 3 lks. N of the cor. of sec. 3
4, 9, and 10, ^{hereinbefore described} Thence run

N 89° 55' W. on a true line bet. sec. 4 and 9.

ascend E. slope over rolling sandy land through sage and
greasewood brush undergrowth and bunch grass.

26.00

Top of sand ridge bears N and S. desc.

34.25

Old road to Blue Canyon Arizona bears N and S.

39.98

Set an iron post 3 ft. long 1 in. in diam 26 in. in the
ground for 1/4 sec. cor., marked on brass cap 1/4 S. 4 on
N. half and S 9 on S. half

Dig pits 18x18x12 ins E and W. of post 3 ft. dia. and raise
a mound of earth 3 1/2 ft. base, 1 1/2 ft. high. W. of cor.

43.40

Left bank of dry sand wash, 20 ft. high bears N and S.

45.30

Right bank of sand wash, 20 ft. high bears N and S.

62.00

Top of low ridge bears N and S. desc. gently.

79.96

The cor. of sec. 4, 5, 8 and 9, hereinbefore described.
Land rolling.

Soil sandy 3rd rate.

No timber.

40.00

N 0° 03' W on a random line bet. sec. 4 and 5.
Set temp. 1/4 sec. cor.

79.76

Intersect N. lny. of N. 10 lks. S 89° 58' E of the cor. of sec. 4, 5, 32
recently estab. by the bank described in Exterior Book "Z"
and B 31 Thence run

S 0° 07' E. on a true line bet. sec. 4 and 5

chains

29

here and S. slope over rolling sandy land through sage
 and greasewood bush undergrowth and bunch grass
 10.15 Dry sand wash 50 lbs. wide 10 ft. deep. course S.E.
 35.00 Dry sand wash 20 lbs. wide 4 ft. deep. course E. or E.
 39.76 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor. marked on brass Cap $\frac{1}{4}$ & 5 on
 W. half and 3 & 4 on E. half
 Dig pits 18x18x12 ins. in each S. of post. 3 ft. deep. and
 raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high. W. of cor.
 47.00 Top of sand ridge bears N.W. and S.E. desc. gently.
 79.76 The cor. of secs. 4, 5, 8 and 9, heretofore described.
 Land rolling.
 Soil sandy 3rd rate.
 No timber.

November 30th 1909

1909
 December 1st at 8^h 15^m a.m. l.m.t.
 the lat. arc 21° 44'. S. on the decl. arc and determined a
 meridian with the solar at the cor. of sec. 5, 6, 31 and 32 on S.
 recently re-set by me and described in Exterior Book "M"
 Twp of Twp. 27 N. R. 15 E. Sec. 31 and 32.
 around S.E. slope over rolling sandy land through sage and
 greasewood bush undergrowth and bunch grass.
 29.00 Top of ridge bears N.E. and S.W. desc. gradually.
 40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the
 ground for $\frac{1}{4}$ sec. cor. marked on brass Cap $\frac{1}{4}$ & 31 on W.
 half and 5 & 32 on E. half.
 Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high. W. of cor.
 Pits impracticable
 52.00 Top of descent. level rolling land bears N.E. and S.W. Enter
 level land bears N.E. and S.W.
 80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the
 ground for cor. of sec. 29, 30, 31, and 32. marked on brass
 Cap. T 27 N. R 15 E S 29 in N.E. S 32 in S.E. and
 S 31 in S.W. quadrants.
 Dig pits 18x18x12 ins. in each sec. 5 $\frac{1}{2}$ ft. deep and raise
 a mound of earth 4 ft. base 2 ft. high. W. of cor.
 Land level and rolling.
 Soil sandy 3rd rate.
 No timber.

BOOK 2604

- 40.00 S $89^{\circ}56'E$ on a random line bet. sec. 29 and 32
Set temp. $\frac{1}{4}$ sec. cor.
- 79.96 Intersect N and S. line 5 lks. N. of cor. of sec. 28, 29
herebefore described
32 and 3 $\frac{1}{4}$ Thence Run
N $89^{\circ}54'W$, on a true line bet. sec. 29 and 32.
Descend NW. slope over rolling sandy land through
sage and greasewood brush undergrowth and bunch
grass
- 10.00 Foot of descent in depression bears NE. and SW. drains to
the SW. cor.
- 39.98 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the
ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 29 on N.
half and S 32 on S half.
Dig pits 18x18x12 ins. E and W of post. 3 ft. dia. and raise
a mound of earth 3 $\frac{1}{2}$ ft. base 1 $\frac{1}{2}$ ft. high. N. of cor.
- 61.00 Top of sand ridge bears NW. and SE. desc.
- 74.00 Foot of descent. bears rolling land bears NW. and SE.
Enter level land bears NW. and SE.
- 79.96 The Cor. of sec. 29, 30, 31 and 32, herebefore described.
Land level and rolling
Soil sandy 3rd rate.
No timber.
-
- 40.00 S $89^{\circ}56'W$, on a random line bet. sec. 30 and 31
Set temp. $\frac{1}{4}$ sec. cor.
- 80.04 Intersect W. boundary of P^h 8 lks. N. of the Cor. of sec. 29, 30
recently estab. by me prof. described in Exterior Book "AD"
31 and 36 $\frac{1}{4}$ Thence Run
S $89^{\circ}54'E$ on a true line bet. sec. 30 and 31
Over level sandy land through sage and greasewood
brush undergrowth and bunch grass.
- 40.04 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the
ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 30
on N. half and S. 31 on S half.
Dig pits 18x18x12 ins. E and W of post. 3 ft. dia. and
raise a mound of earth 3 $\frac{1}{2}$ ft. base 1 $\frac{1}{2}$ ft. high. N. of cor.
- 80.04 The Cor. of sec. 29, 30, 31 and 32, herebefore described.
Land level.
Soil sandy 3rd rate.
No timber.

Chains

	<p>N⁰03' W. Ch. sec. 29 and 30. Over level sandy land, through sage and greasewood brush undergrowth and bunch grass</p>
2.00	<p>Level land bears N.W. and S.E. Enter rolling land bears N.W. and S.E. ascend gradually over S.W. slope.</p>
35.00	<p>Top of low sand ridge bears E. and W. desc. N. slope.</p>
40.00	<p>Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap. $\frac{1}{4}$ S 30 on W half and S 29 on E half. Dig pits 18x18x12 ins. N and S. of post 3 ft. dia. and raise a mound of earth 3 $\frac{1}{2}$ ft. base 1 $\frac{1}{2}$ ft. high W. of cor.</p>
NOTE	<p>At this cor. I set off 21° 47' S. on the decl. arc. and at noon observed the sun on the meridian and obtain a reading of 35° 42' $\frac{1}{2}$ N. on the lab. arc.</p>
49.00	<p>Top of descent level rolling land bears N.W. and S.E. enter level land bears N.W. and S.E.</p>
77.00	<p>Level land bears E and W. Enter rolling land bears E and W. are gently over S. slope.</p>
80.00	<p>Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of sec. 19, 20, 29 and 30, marked on brass cap. T 27 N S 19 in N.W. R 15 E S 20 in N.E. S 29 in S.E. and S 30 in S.W. quadrants. Dig pits 18x18x12 ins. in each sec. 5 $\frac{1}{2}$ ft. dia. and raise a mound of earth 4 ft. base 2 ft. high W. of cor. Land level and rolling. Soil sandy 3rd rate. No timber.</p>
40.00	<p>S 89° 54' E on a random line Ch. sec. 20 and 29, Set temp. $\frac{1}{4}$ sec. cor.</p>
79.94	<p>Intersect N and S. line at the cor. of sec. 20, 21, 28 and 29 hence I run heretofore described.</p>
	<p>N 89° 54' W. on a true line Ch. sec. 20 and 29 ascend gradually E. slope of sand ridge over rolling sandy land through scattering sage and greasewood brush undergrowth and bunch grass</p>
36.50	<p>Top of ridge bears N and S. desc. gentle W. slope.</p>
39.97	<p>Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap. $\frac{1}{4}$ S 20 on N. half and S 29 on S half</p>

BOOK 2604

79.94 Dig pits 18x18x12 ins. E and W. of post 3/4 dia. and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high. N. of cor.
The cor. of secs. 19, 20, 29 and 30, heretofore described.
Land rolling.
Soil sandy, 3rd rate.
No timber.

40.00 N 89° 59' W. on a random line bet. secs. 19 and 30.
Set temp 1/4 sec. cor.

79.96 Distance W. boundary of Twp 3 lks. N. of the cor. of secs. 19, 24, 25 and 30, recently estab. by me and described in Exterior Book "AD". Thence I run

East on a true line bet. secs. 19 and 30.

Over level sandy land through sage and greasewood brush undergrowth and bunch grass.

89.96 Set an iron post 3/4 long 1 in. in diam. 26 ins. in the ground for 1/4 sec. cor. marked on brass cap 1/4 S 19 on N. half and S 30 on S half.

Dig pits 18x18x12 ins. E and W. of post 3/4 dia. and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high. N. of cor.

49.00 Level land bears N.E. and S.W. Enter rolling land bears N.E. and S.W. descend gently over S.E. slope.

72.00 Dry sand wash. 10 lks. wide. Crossed S.W. asc.

79.96 The cor. of secs. 19, 20, 29 and 30, heretofore described.

Land level and rolling.

Soil sandy, 3rd rate.

No timber.

December 1st 1909

1909
Decem br 2nd At 8^h 30^m a.m. l.m.t. I set off 35° 42 3/4' N. on the lat. arc. 21° 53 1/2' S. on the decl. arc, and determine a meridian with the solar at the cor. of secs. 19, 20, 29, and 30, heretofore described. Thence I run

N 0° 03' W. bet. secs 19 and 20.

Ascend S.E. slope over rolling sandy land through sage and greasewood brush undergrowth and bunch grass.

9.20 Top of sand ridge bears N.E. and S.W. desc.

14.65 Foot of descent in depression bears N.E. and S.W., drains to the S.W. asc. gradually.

40.00 Set an iron post 3/4 long 1 in. in diam. 26 ins. in the ground for 1/4 sec. cor. marked on brass cap 1/4 S 19 on W. half

Chains

33

and S 20 on E. half.
 Dig pits 18x18x12 ins. N and S. of post 3 ft. dia. and
 raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cov.
 72.55 Top of sand ridge bears E. and W. desc.
 80.00 See an iron post. 3 ft. long 2 ins. in diam. 24 ins. in
 the ground for cor. of secs. 17, 18, 19 and 20. marked
 on base Exp. T 27 N 518 in N.W. R 15 E S 17 in N.E. S 20 on
 S.E. and S 19 in S.W. quadrants.
 Dig pits 18x18x12 ins. in each. sec. 5 1/2 ft. dia. and raise
 a mound of earth 4 ft. base, 2 ft. high. W. of cov.
 Sand rolling.
 Soil sandy 3rd rate.
 No timber.

S 89° 54' E on a random line bet. secs. 17 and 20.
 40.00 See temp. 1/4 sec. cov.
 79.86 Intersect N and S. line at the cor. of secs. 16, 17, 20, and
 herebefore described
 2 1/2" Thence True
 N 89° 54' W. on a true line bet. secs 17 and 20.
 Ascend E. slope over rolling sandy land through
 sage and greasewood brush undergrowth and bunch
 grass.

18.65 Wood road bears N.W. and S.E.
 39.93 See an iron post. 3 ft. long 1 in in diam. 26 ins in
 the ground for 1/4 sec. cov. marked on base Exp.
 1/4 S 17 on N. half and S 20 on S half.
 Dig pits 18x18x12 ins. East W. of post. 3 ft. dia. and
 raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high. W.
 of cov.
 43.00 Top of sand ridge bears N.E. and S.W. desc. gradually
 over N.W. slope.
 79.86 The cor. of secs. 17, 18, 19 and 20, herebefore described.
 Sand rolling.
 Soil sandy, 3rd rate.
 No timber.

West on a random line bet. secs. 18 and 19.
 40.00 See temp. 1/4 sec. cov.
 79.80 Intersect N.W. boundary of 9 1/2 alk. N. of the cor. of sec
 recently set up by me and described in Exterior Book "AD"
 13, 18, 19 and 24 1/2 Thence True

34

Schain

BOOK 260A

N 89° 59' E on a true line bet. sec. 18 and 19

Over rolling & sandy land through sage and greasewood brush undergrowth and bunch grass.

39.80 Set an iron post 3 ft. long 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 18 on N. half and S 19 on S half.Dig pits 18 x 18 x 12 ins. East W. of post 3 ft. dia. and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high. W. of cor.At this cor. I set off 21° 56' S. on the decl. arc and at noon observe the sun on the meridian and obtain on the lat. arc a reading of 35° 43 $\frac{1}{2}$ N. which is a little higher than the calculated latitude of this place.

79.80 The cor. of sec. 17, 18, 19 and 20, heretofore described. Land rolling.

Soil sandy 3rd rate.

No timber.

N 0° 03' W. bet. sec. 17 and 18

Descend N.W. slope over rolling sandy land through sage and greasewood brush undergrowth and bunch grass.

28.00 Foot of descent, leave rolling land toward N.E. and S.W. Enter level land toward N.E. and S.W.

40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 18 on W. half and S 17 on E. half.Dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dia. and raise a mound of earth 3 $\frac{1}{2}$ ft. base 1 $\frac{1}{2}$ ft. high. W. of cor.

80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for cor. of sec. 7, 8, 17 and 18. marked on brass cap T 27 N 37 in N.W. R 15 E 38 in N.E. S 17 in S.E. and S 18 in S.W. quadrants.

Dig pits 18 x 18 x 12 ins. in each sec. 5 $\frac{1}{2}$ ft. dia. and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.

Land level and rolling.

Soil sandy 3rd rate.

No timber.

S 89° 54' E on a random line bet. sec. 8 and 17

Chains

35

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.88 Intersect N and S line 2 lks S. of the cor. of sec. 8, 9, 16 and
~~hereinbefore described~~
~~thence~~ run
~~thence~~ run
 N $89^{\circ} 55'$ W. on a true line bet. sec. 8 and 17.
 Descend NW. slope over rolling sandy land through sage
 and greasewood brush undergrowth and bunch grass
- 3.60 Left bank of dry sand wash. 8 ft. high bears NW and SE.
- 11.50 Right bank of sand wash 8 ft. high bears NW and SE.
 Ascend gradually over SE. slope.
- 39.94 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 8
 on N. half and S 17 on S half.
 Dig pits 18 x 18 x 12 ins. East W. of post 3 ft. dia. and
 make a mound of earth $3\frac{1}{2}$ ft. base. $1\frac{1}{2}$ ft. high. No.
 of cor.
- 57.25 Wood road bears NW. and SE.
- 57.50 Top of ascent. bears NW. and SE. Leave rolling land
 bears NW. and SE. Enter level land bears NW. and
 SE.
- 79.88 The cor. of sec. 7, 8, 17 and 18, hereinbefore described.
 Land level and rolling.
 Soil sandy 3rd rate.
 No timber.

December 2nd 1909

- 1909
- L.M.T.
- December 3rd 1909
 At 9^h 00^m am I set off $35^{\circ} 44\frac{1}{2}'$ N. on
 the lat. arc. $22^{\circ} 03'$ S. on the decl. arc and determined a
 meridian with the solar alt. the cor. of sec. 7, 8, 17 and 18,
~~thence~~ run ~~thence~~ run ~~hereinbefore described~~
- N $89^{\circ} 54'$ W. on a random line bet. sec. 7 and 18.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 - 79.72 Intersect W. side of $7\frac{1}{2}$ lks. N. of the cor. of sec. 7, 12, 13 and 18,
 recently established by me and described in Exterior Book "AD"
~~thence~~ run N $89^{\circ} 57'$ E on a true line bet. sec. 7 and 18.
 Ascend W. slope of sand ridge over hilly sandy land through
 sage and greasewood brush undergrowth and bunch grass
 - 12.00 Top of round knoll 20 ft. high. desc.
 - 23.00 Foot of descent in depression bears N. and S. drains to
 the S. arc.
 - 30.00 Top of sand ridge bears NW. and SE. desc.
 - 39.72 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor. marked on brass cap. $\frac{1}{4}$ S 7
 on N. half and S 18 on S half.

36

chains

BOOK 2604

- 40.00 Dig pits 18x18x12 ins. E and W. of post 3 ft. dia. and raise a mound of earth 3½ ft. base 1½ ft. high N. of cor.
Foot of descent leads hilly land bears N and S. Enter level land bears N and S.
- 79.72 The cor. of secs. 7, 8, 17 and 18, hereinafore described.
Land level and hilly.
Soil sandy 3rd rate.
No timber.
-
- 25.00 No° 03 W. Feb. sec. 7 and 8.
Over level sandy land, through sage and greasewood brush, undergrowth and bunch grass.
Level land bears E and W. Enter rolling hilly land bears E and W, ascend S slope of ridge.
- 36.50 Top of sand ridge bears N.E. and S.W. desc.
- 40.00 Set an iron post 3 ft. long 1 in in diam., 26 ins. in the ground for ¼ sec. cor. marked on brass cap ¼ S 7 on W half and S 8 on E half.
Dig pits 18x18x12 ins N. and S. of post 3 ft. dia. and raise a mound of earth 3½ ft. base, 1½ ft. high W. of cor
- 45.50 Dry sand wash 20 lbs. wide 10 ft. deep course S.E. asc.
- 49.00 Top of sand ridge bears E and W, desc.
- 59.45 Dry sand wash 40 lbs wide 6 ft. deep course S.E. asc. SW slope
- 80.00 Set an iron post 3 ft. long 2 in. in diam., 24 ins. in the ground for cor. of secs. 5, 6, 7 and 8. marked on brass cap T 27 N 36 in NW. T 15 E 35 in N.E. S 8 in S.E. and S 7 in S.W. quadrants.
Dig pits 18x18x12 ins. in each sec. 5½ ft. dia. and raise a mound of earth 4 ft. base 2 ft high W of cor.
Land level and hilly.
Soil sandy 3rd rate.
No timber
- NOTE At this cor Drek off. 22° 05' S. on the decl. arc and at noon observe the sun on the meridian and obtain on the lat. arc a reading of 35° 45' N. nearly.
-
- 40.00 S 89° 55' E on a random line Feb. sec. 5 and 8.
Set temp ¼ sec. cor.
- 79.94 Intersect N. and S. line 3 lbs N. of. the cor. of sec 4,

Chains

37

- heretofore described
 5, 8, and 9, ^{1/2} Thues Drum
 N 89° 54' W. on a true line bet. sec. 5 and 8.
 Over rolling sandy land through sage and greasewood
 brush undergrowth and bunch grass.
- 39.97 Set an iron post 3 ft. long 1 in. in diam 26 ins. in the
 ground for ^{1/4} sec. cor. marked on brass cap ^{1/4} 35 on
 n. half. and 38 on S half.
 Dig pits 18 x 18 x 12 ins E and W. of post. 3 ft. dia. and
 raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high No.
 of cor.
- 60.70 Top of sand ridge bears n and S. desc.
- 67.05 Wood road bears n. and S.
- 79.94 The cor. of sec. 5, 6, 7 and 8, heretofore described.
 Land rolling.
 Soil sandy 3rd rate.
 No timber.
-
- S 89° 57' W. on a random line bet. sec. 6 and 7.
 40.00 Set temp. ^{1/4} sec. cor.
- 79.56 Intersect. W. boundary of Twp. 3 lks. S. of the cor. of
 recently set by me and described in Exterior Book "AD"
 sec. 6, 7 and 8, ^{1/2} Thues Drum
- N 89° 58' E on a true line bet. sec. 6 and 7,
 Ascend n.e. slope over hilly, sandy land through
 sage and greasewood brush undergrowth and bunch
 grass.
- 33.75 Dry sand wash 30 lks. wide course n.e. asc.
- 39.00 Top of sand ridge bears n.e. and S.W. desc.
- 39.56 Set an iron post 3 ft. long 1 in. in diam 26 ins. in
 the ground for ^{1/4} sec. cor. marked on brass cap ^{1/4} 36
 on n. half and 37 on S. half
 Dig pits 18 x 18 x 12 ins E and W. of post. 3 ft. dia. and
 raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high No.
 of cor.
- 44.50 Dry sand wash 40 lks. wide 4 ft. deep course S.E. asc.
- 59.00 Top of sand ridge bears n. and S. desc.
- 71.00 Dry sand wash 30 lks. wide 3 ft. deep course S.E. asc.
 gradually over rolling sandy land.
- 79.56 The cor. of sec 5, 6, 7 and 8, heretofore described.
 Land rolling and hilly
 Soil sandy 3rd rate.

BOOK 2604

No timber

40.00 No $0^{\circ} 03' W.$ on a random line bet. sec. 5 and 6.
Set temp $\frac{1}{4}$ sec. cor.

79.82 Intersect. N. boundary of Twp. 8 lks. $S 89^{\circ} 58' E.$ of the cor. of
recently established and described in Exterior Book "Z"
sec. 5, 6, 31 and 32. Thence I run

$S 0^{\circ} 06' E$ on a true line bet. sec. 5 and 6.

Descend steep S. slope over hilly, sandy and stony
land, through sage and greasewood brush undergrowth
and bunch grass.

5.80 Dry ravine Course S.W. asc.

8.40 Top of sand ridge bears N.E. and S.W. desc.

39.82 The point for the $\frac{1}{4}$ sec. cor. falls in the bottom of
dry ravine, where natural causes would insure
the destruction of a cor., therefore at

39.70 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in
the ground for Witness Cor. to the $\frac{1}{4}$ sec. cor. marked on
base cap. T 27 N, R 15 E S. 6 on W. half. S 5 on E. half. and
W. C. $\frac{1}{4}$ in S. 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.

39.85 Dry ravine 20 lks wide Course S.W. asc.

52.40 Top of sand ridge bears N.E. and S.W. desc. gradually
S.W. slope over rolling land.

79.82 The cor. of sec. 5, 6, 7 and 8, heretofore described.

Land rolling and hilly.

Soil sandy and stony 3rd and 4th rate.

No timber.

December 3rd 1909.

General Description

The land in this township is nearly all
rolling sandy mesa land, and the soil ranged
from 2nd to 4th rate. The soil of the bottom
land along the Crabi Wash. is an adobe loam
and produces good crops of corn and other
short season crops. The soil over the remaining
portion of the township is a sandy and adobe
loam or clay and can nearly all be classed
as 3rd rate. It is covered with a heavy growth

of grass, and is well adapted to grazing purposes.

Some cedar timber is found along the adobe ridges in the north western part of the Tp. but the trees are too small to be of any value except for firewood.

Several veins of coal are cut by the sand wash which crosses the township in a south easterly direction, one of the most important veins being crossed on the line bet. sec. 9 and 16.

The township is watered by the Little Burro Springs in sec. 36, and by the Crasbi Wash, which runs water at certain times of the year.

There is one settler in sec. 36.

From surface indications I think that much water can be developed in different places near the center of this township by sinking wells.

Dec. 3rd 1909.

Sidney E. Blount
U.S. Examiner of Surveys

This 3rd day of Dec. 1909 I change the duties of Chas L. Shumway, from those of moundman to those of Axman. No officer authorized to administer oaths other than myself being available without great inconvenience delay and expense I administer the required preliminary and final oaths.

Sidney E. Blount
U.S. Examiner of Surveys

U.S. EXAMINER OF SURVEYS
FINAL OATHS OF ~~DEPUTY SURVEYOR~~ AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Sidney E. Blous
Examiner of Surveys
~~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 and Resurvey the Subdivision
lines of Twp No. 27 N. R. No. 16 E. 2nd S. R. Base and Meridian, Arizona
showing the respective capacities in which they acted: Van L. White, Compassman.

- Fred L. Warner Chainman.
- Earl Albright Chainman.
- William P. Carson Moundman.
- Chas. L. Shumway Moundman.
- ~~Assman~~
- ~~Assman~~
- Ralph Sampson Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Sidney E. Blous
Examiner of Surveys
~~United States Deputy Surveyor~~ in surveying, all
and resurveying
those parts or portions of the Subdivision lines of Twp No. 27 N. Range No.
16 E. 2nd S.

..... of the Gila and
Salp River Base and Meridian, Territory of Arizona, which are represented
in the foregoing field notes as having been and resurveyed surveyed by him and under his direction; and that said survey
and resurvey has been in all respects, to the best of our knowledge and belief, well and faithfully executed surveyed, and the
corner monuments established, according to the instructions furnished by the ~~United States Surveyor~~ Commissioner
~~of the General Land Office~~ Van L. White Compassman
Earl Albright and Fred L. Warner Chainmen.
..... Chainman.
William P. Carson Moundman.
Chas. L. Shumway Moundman.
..... ~~Assman~~
..... ~~Assman~~
Ralph C. Sampson Flagman.

Subscribed and sworn to before me this 22nd
day of December, 1909



Sidney E. Blous
U.S. Examiner of Surveys

BOOK 2804

EXAMINER OF SURVEYS
~~FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.~~

I, Sidney E. Blout, ~~United States Deputy Surveyor~~, Examiner of Surveys, solemnly swear that, in pursuance of ~~instructions~~ Special Instructions received from ~~the Commissioner of the United States Surveyor General for~~ the Commissioner of the General Land Office, bearing date of the 2nd day of Oct. 1907 day of and the 15th day of May, 1908, 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~~ of the General Land Office, the Manual of Surveying Instructions, and the laws of the United States, ~~surveyed~~ or resurveyed all those parts or portions of The Subdivisional lines of Twp. No. 27 N. Range No. 15 East.

River Base and Meridian, in the Territory of Arizona, which are represented in the foregoing field notes as having been ~~surveyed~~ or resurveyed by me, and under my direction; and I do further solemnly swear that all the corners of said ~~survey~~ or resurvey have been ~~established~~ or reestablished and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the ~~United States Surveyor General for~~ Commissioner of the General Land Office and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey and resurvey.

Sidney E. Blout
~~United States Deputy Surveyor~~

Subscribed by said Sidney E. Blout, and sworn to before me }
this 14th day of March, 1908

Frank P. Ingalls
~~United States Surveyor General~~
SURVEYOR-GENERAL OF ARIZONA



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, APR 25, 1908

The foregoing field notes of the survey and resurvey of the Subdivisional lines of

Township 27 North, Range 15 East, of the

Gila and Salt River Base and Meridian, Arizona

executed by Sidney E. Blout, U.S. Examiner of Surveys under ~~the contract No.~~ Special Instructions from the Commissioner of the General Land Office, dated October 2, 1907 and May 15, 1908, ~~and~~, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank P. Ingalls
~~United States Surveyor General~~
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.

~~United States Surveyor General~~