

Book E.

Accepted, Letter E.
Dec. 19, 1911

MAR 17 1910

BOOK 2227
FIELD NOTES

OF THE SURVEY OF THE

N, P, E, and W.

*Boundaries
of T. 2 S., R. 14 E.*

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

Territory of Arizona

AS SURVEYED BY

Jacobs & Curry, United States Deputy Surveyors,
Under *his* Contract No. *148*, dated *March 20th*, 1908

Survey commenced *July 3,* 1908

Survey completed *March 8*, 1910

18/13

NAMES AND DUTIES OF ASSISTANTS.

BOOK 2227

Harry J. Young Chairman
Jim A. Willis "
Norman Oliver Moundman

114 1B

BOOK 2227

INDEX DIAGRAM.

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PRELIMINARY OATHS OF ASSISTANTS.

WE, James A. Kellis and Guy Phelps
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 N. 25. R. 14 E

James A. Kellis, Chainman.
Guy Phelps, Chainman.

Subscribed and sworn to before me this 1
day of March, 1900

Francis Jacobs



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



BOOK 2227

INDEX DIAGRAM.

Township 2 S., Range 12 E.

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BOOK 2227

PRELIMINARY OATHS OF ASSISTANTS.

WE, Harry S Young and Jim A Kellis
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 the Boundaries of J. L. S. - R. 12 E

Harry S Young, Chainman.
Jim A Kellis, Chainman.

Subscribed and sworn to before me this 20
day of June, 1908



Francis Jacobs
My commission expires September 20, 1911 Secretary Public

WE, A Norman Oliver 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 Boundaries of J. L. S. - R. 12 E

A Norman Oliver, Moundman.
_____, Moundman.

Subscribed and sworn to before me this 20
day of June, 1908



Francis Jacobs
My commission expires September 20, 1911 Secretary Public

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 _____



West Boundary of T. 2 S., R. 12 E.

Chains.

Survey commenced July 3, 1908; and executed with a Gurley light mountain transit, with solar attachment; description of which, with notes of polaris observation, will be found on page 1, field notes of the W.bdy. T. 2 S. R. 12 E., this survey.

July 3: At 7h 35m, a.m., l.m.t., we set off $33^{\circ}12'N$. on the lat. arc; $22^{\circ}59'N$. on the decl. arc, and determine a true meridian with the solar, at the cor. of Ts. 2 and 3 S., R. 11 and 12 E., recently established by us. thence we run,

North, bet. secs. 31 and 36.

Over very mountainous land.

Ascend.

11.50 Ridge, bears E. and W.

Descend.

14.00 Gulch, 10 lks. wide, course S. $60^{\circ}E$.

Ascend.

21.20 Ridge, bears S.E. and N.W.

Descend.

25.40 Gulch, 15 lks. wide, course S.E.

Ascend.

30.30 Ridge, bears S.E. and N.W.

Descend.

34.75 Gulch, 10 lks. wide, course S.E.

Ascend.

40.00 High ridge, divide between the Gila River on the S. and Queen Creek on the N., bears E. and W.

Set a schist stone $18 \times 8 \times 6$ ins., 12 ins. in the ground, for $1/4$ sec. cor., marked $1/4$ on W. face, and raise a mound of stone 3 ft. base, 8 ft. high, W. of cor.

Pits impracticable.

Descend.

45.00 Descend along W. slope of steep ridge.

79.80 Gulch, 25 lks. wide, course N.W.

Ascend.

80.00 Set a schist stone, $24 \times 12 \times 8$ ins., 18 ins. in the ground, for cor. of secs. 25, 30, 31 and 36, marked with 1 notch on S., and 5 notches on N. edges; and raise a mound of stone 3 ft. base, 2 ft. high, W. of cor.

Pits impracticable.

Land very mountainous.

Soil rocky, 3d rate.

No timber.

Mountainous land, exceptionally difficult to survey,
80.00 chs.

July 3: At this cor. we set off

$22^{\circ}58'N$. on the decl. arc; and observe the sun on the meridian, at noon; the resulting lat. is $33^{\circ}13'N$ which is correct.

North, bet. secs. 25 and 30.

Over mountainous land.

23.30 Ridge, bears E. and W.

Descend.

28.75 Gulch, 10 lks. wide, course N. $70^{\circ}W$.

Ascend.

33.00 Ridge, bears E. and W.

Descend.

40.00 Set a schist stone, $24 \times 16 \times 8$ ins., 18 ins. in the ground, for $1/4$ sec. cor., marked $1/4$ on W. face, and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Pits impracticable.

40.85 Gulch, 5 lks. wide, course W.

Ascend.

71.00 High ridge, bears E. and W.

Descend steep ridge.

80.00 Set a schist stone, $30 \times 10 \times 4$ ins., 12 ins. in the ground, to bed rock, surrounded by mound of stone, marked with 2 notches on S., and 4 notches on N. edges, and raise

Chains

a mound of stone 3 ft. base, 2 ft. high, W. of cor.
Pits impracticable.

Land mountainous.
Soil 3d rate.
No timber.

Mountainous land, exceptionally difficult to survey,
80.00 chs.

Cottonwood Spring, bears W. about 20 chs.
July 3, 1908.

July 4: At 7h 35m, a.m., l.m.t., we set off 33°14' N. on the lat. arc; 22°54' N on the decl. arc; and determine true meridian with the solar, at the above cor. and run thence,

North, bet. secs. 19 and 24.

Over mountainous land.
Descend.

27.50 Gulch, 30 lks. wide, course N.75° W.

Ascend.

40.00 Set a schist stone 20x8x4 ins., 15 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face, and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Pits impracticable.

44.00 Ridge, bears E. and W.

Descend.

71.00 Gulch, 20 lks. wide, course N.W.

Ascend.

80.00 Set a schist stone 20x16x6 ins., 15 ins. in the ground, for cor. of secs. 13, 18, 19 and 24, marked with 3 notches on N. and S. edges, and raise a mound of stone 3 ft. base, 2 ft. high, W. of cor., pits impracticable.

Land mountainous.
Soil 3d rate.

No timber.

Mountainous land, exceptionally difficult to survey,
80.00 chs.

North, bet. secs. 13 and 18.

Over mountainous land.

0.10 Descend.

1.00 Gulch, 3 lks. wide, course S.W.

Ascend.

23.00 Canon, 1 ch. wide, 30 ft. deep, course W.

Ascend W. slope of Picketpost Butte.

40.00 Set a trachite stone, 18x12x10 ins., 12 ins. in the ground for 1/4^{sec} cor., marked 1/4 on W. face, and raise a mound of stone 3 ft. base, 2 ft. high, W. of cor.,

Pits impracticable.

41.75 Canon, 150 lks. wide, 75 ft. deep, course W.

We off set 4 chs. W. to avoid W. bluff of mountain.

Thence N.

73.00 Canon, 2 chs. wide, 50 ft. deep, course W.

75.00 Descend.

78.00 Bottom of canon, 100 ft. deep, course W.

Ascend.

80.00 We off set 4 chs. E. to the line, and

Set a trachite stone, in place, 6x24x36 ins. above ground we chisel a cross at thencor. point, for cor. of secs. 7, 12, 13 and 18, and chisel 4 grooves S., and 2 grooves N. of cross, and raise a mound of stone, 3 ft. 2 ft. high, W. of cor., pits impracticable.

Land very mountainous.

Soil rocky, 4th rate.

No timber.

Mountainous land, exceptionally difficult to survey,
80.00 chs.

July 4, 1908.

West Boundary of T.2 S., R.12 E.

3.

Chains.	March 7, 1910; At 7h15m., a.m., l.m.t., I set off 33°16'N on the lat.arc; 5°26'S. on the decl.arc, and determine a meridian with the solar, at the cor.of secs. 7, 12, 13 and 18. and run thence North bet. secs. 7 and 12. Over mountainous land. Ascend.
12.00	Top of bluff, bears SE. and NW. Descend.
33.50	Canon, 150 feet, deep course NW. Ascend.
37.00	Ridge, bears SE. and NW. Descend.
40.00	Set a trachite stone, 30x12x10 ins., 12 ins. in the ground, to bed rock, surrounded by a mound of stone, for 1/4 sec. cor., marked 1/4 on W.face, and raise a mound of stone 3 ft. base, 2 ft. high W. of cor. pits impracticable.
55.00	Bottom of Brays Canon, 2 chs. wide, course NW.
58.00	Ascend.
63.50	Top of volcanic reef, bears E. and W. Descend.
72.20	Enter Queen Creek, dry, course N.75°W.
77.00	Leave Queen Creek. Ascend.
80.00	Set a granite stone 18x8x5 ins., 12 ins. in the ground, for cor. of secs. 1, 6, 7 and 12, marked with 5 notches on S. and 1 notch on N. edge, and raise a mound of stone 3 ft. base, 2 ft. high W. of cor. pits impracticable. Land very mountainous. Soil 3d rate. No timber. Mountainous land, exceptionally difficult, to survey, 80.00 Chs
	North bet. secs. 1 and 6. Over hilly land. Ascend.
2.50	Descend.
11.00	Silverking wash, 150 lks. wide, course SW.
15.00	Ascend.
18.75	Wash 15 lks. wide, course SW.
23.60	Road, Florence to Superior, bears E. and W.
33.15	Road, Florence to Silver King, bears NE. and SW.
35.15	Telephone line, Florence to Superior, bears E. and W.
40.00	Set a trachite stone 20x12x8 ins. 15 ins. in the ground for 1/4 sec. cor., marked 1/4 on W. face, and raise a mound of stone 3 ft. base, 2 ft. high, W. of cor. pits impracticable.
80.00	Ridge, bears NE. and SW. Intersect the random N. bdy. of the Tp. 10.20 chs. W. of the temp. cor. of secs 5, 6, 31 and 32, where I set a porphyry stone 24x16x10 ins. 12 ins. in the ground to bed rock, for closing cor. of Tp. 2 S., Rs. 11 and 12 E. marked C C on S. with 6 grooves on E., W. and S. face, and raise a mound of stone 4 ft. base, 3 ft. high S. of cor. Pits impracticable. Land mountainous. Soil 3d rate. Timber scattering mesquite and paloverde. Mountainous land, exceptionally difficult to survey, 80.00 chs.

Chains. From the closing cor. of Tp. 2 S., Rs. 11 and 12 E. just established by me, I run East, on a true line, on the S. bdy. of sec. 31. Over mountainous land

3.00 Descend.

7.80 Gulch 10 lks. wide, course SE. Ascend.

10.20 Set a malpais stone 18x14x10 ins., 12 ins. in the ground, for cor. of secs 31 and 32, marked with 5 notches on E., and 1 notch on W. edge, and raise a mound of stone 3 ft. base, 2 ft. high W. of cor., pits impracticable. Land mountainous. Soil 3d rate. No timber. Mountainous land, exceptionally difficult to survey, 10.20 chs.

March 7, 1910.

March 8; At 7h 15m, a.m., l.m.t., I set off 53°17' N. on the lat. arc; 5°2' S. on the decl. arc, and determine a meridian with the solar at the above cor. and run thence East on the S. bdy. of sec. 32. Over Mountainous land. Ascend.

2.00 Ridge, bears NE. and SW. Descend.

18.35 Gulch, 10 lks. wide, course S. 20° W. Ascend.

28.00 Ridge, bears NE. and SW. Descend.

40.00 Set a malpais stone, 18x12x4 ins., 12 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N. face, and raise a mound of stone, 3 ft. base, 2 ft. high N. of cor. Pits impracticable.

45.40 Silverking Wash, 2 chs. wide, course SW.

48.00 Ascend.

48.80 Road, Florence to Silver King, bears NE. and SW.

63.00 Descend along N. slope.

80.00 Set a trachite stone, 18x12x6 ins., 12 ins. in the ground, for cor. of secs. 32 and 33, marked with 4 notches on E. and 2 notches on W. edge, and raise a mound of stone 3 ft. base, 2 ft. high W. of cor., pits impracticable. Land mountainous. Soil 3d rate. No timber. Mountainous land, covered with dense undergrowth of cacti, paloverde, mesquite and other thorn bushes, and exceptionally difficult to survey, 80.00 chs.

East, on the S. bdy. of sec. 33. Over hilly land.

1.00 Enter gulch, 10 lks. wide, course W.

11.00 Leave gulch, Ascend.

19.00 Ridge, bears NE. and SW. Descend.

34.80 Enter wash, course SW.

39.95 Leave wash, Ascend.

40.00 Set a trachite stone, 24x8x6 ins., 18 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N. face, and raise a mound of stone 3 ft. base, 2 ft. high S. of cor., the steep bank of the wash makes it impracticable to place mound N. of cor. Pits impracticable.

41.50 Top of flat ridge, bears N. and S.

North Boundary of T. 9 S., R. 12 E.

5

Chains.	
50.90	Road, bears NE. and SW.
63.00	Descend.
71.00	Gulch, 20 lks.wide, course S.15°W. Ascend.
80.00	Set a granite stone, 20x8x6 ins.,15 ins.in the ground, for cor.of secs.33 and 34, marked with 3 notches on E. and W.edges, and raise a mound of stone 3 ft.base,2 ft. high W.of cor. pits impracticable. Land mountainous. Soil 3d rate. No timber mountainous land,covered with dense undergrowth of cacti, catsclaw, holly, mesquite and paloverde, and exception- ally difficult to survey, 80.00 chs.
	East, on the S. bdy.of sec. 34.
	Over hilly land, Ascend.
7.00	Ridge, bears N.and S. Descend.
16.15	Gulch, 25 lks.wide, course S. Ascend.
20.65	Road, bears NE. and SW.
25.50	Gulch, 25 lks.wide, course S.10°W. Ascend.
31.30	Ridge, bears N.and S. Descend.
36.60	Gulch, 15 lks. wide, course S. Ascend.
40.00	Set a granite stone 18x8x6 ins. 12 ins.in the ground, for 1/4 sec. cor.,marked 1/4 on N.face, and raise a mound of stone 3 ft.base,2 ft.high N.of cor. pits impracticable
41.30	Ridge, bears N.and S. Descend.
48.00	Gulch, 20 lks.wide, course S. Ascend.
54.50	Ridge, bears N.and S. Descend.
63.50	Gulch, 10 lks.wide, course S. Ascend.
74.00	Descend.
75.20	Gulch, 20 lks.wide, course S. Ascend.
80.00	Set a trachite stone, 20x8x6 ins.,15 ins.in the ground, for cor.of secs. 34 and 35, marked with 2 notches on E. and 4 notches on W.edge, and raise a mound of stone 3ft. base, 2 ft.high, W.of cor, pits impracticable. Land hilly. Soil 3d rate. <u>NOTE:</u> The position of this cor.is No timber. the same as in the original survey. Mountainous land,covered with dense undergrowth of cacti paloverde, mesquite and other thorn bushes, and exceptionally difficult to survey, 80.00 chs. March 8, 1910.

July 7, 1908; At 7h 5m,a.m.,l.m.t., I set off
33°17'N on the lat.arc; 22°37'N on the decl.arc, and de-
termine a meridian with the solar at the cor.of secs,
34 and 35, thence I run.

East, on the S. bdy.of sec. 35.
Over hilly land

Chains.

40.00 Set a granite stone, 18x10x5 ins., 12 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N. face, and raise a mound of stone 3 ft. base, 2 ft. high N. of cor., pits impracticable.

41.00 Descend.

54.60 Road, Florence to Superior, bears NE. and SW.

56.00 Enter Queen Creek, course S. 80 W.

56.85 Road, Florence to Superior, bears SE and NW.

58.65 Leave Queen Creek.
Ascend.

74.30 Intersect the W. side line of the Surpriser No. 2 mining claim, patented, Lot No. 38; the SW. cor. bears S. 7° 40' W. 21.00 chs. dist., I set a granite stone 20x10x6 ins., 15 ins. in the ground, for closing cor. of secs. 32 & 35, mkd. C C on W., with 6 grooves on S. and L 38 on E. face, and raise a mound of stone 3 ft. base, 2 ft. high W. of cor.,
Pits impracticable.

80.00 The point for the cor. of secs. 35 and 36 falls within the patented mining claim.
Land rolling.
Soil 3d rate.
Timber stattering mesquite and paloverde.
Land covered with dense undergrowth of cañti, mesquite and paloverde and exceptionally difficult to survey,
80.00 chs.

From point for cor. of secs. 35 and 36, I run East.

2.45 Intersect the E. side line of Surpriser No. 2 mining claim, at a point from which the SE. cor. bears S. 7° 40' W., 17.90 chs. dist.,
I set a quartzite stone 18x8x6 ins., 12 ins. in the ground for closing cor. of sec. 36, marked C C on E. face, with 6 grooves on S. and L 38 on W. face, and raise a mound of stone 3 ft. base, 2 ft. high E. of cor. pits impracticable.
East on the S. bdy. of sec. 36,
Over very mountainous land.
Ascend along the S. side of Queen Creek.

19.75 Limestone reef, bears NE. and SW.
Descend very abruptly.

28.00 Gulch, 20 lks. wide, course NE.
Ascend very steep mountain.

40.00 Set a limestone 20x10x8 ins., 15 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N. face, and raise a mound of stone 3 ft. base, 2 ft. high N. of cor., pits impracticable.

73.50 Top of Apache Leap, about 2000 ft. above the closing cor. bears N. and S.
Descend.

80.00 The cor. of T. 1 S., R. 12 and 13 E. mkd. & witnessed as desc. by the Sur. General.
Land very mountainous.
Soil 4th rate.
No timber.
Mountainous land, exceptionally difficult to survey,
80.00 chs.

July 7, 1908.

South Boundary of T. 2 S., R. 12 E.

Chains.

July 8: At 1h, p.m., l.m.t., we set off 33°12' N. on the lat. arc; 22°28' N on the decl. arc; and determine a true meridian with the solar; at the cor. of Ts. 2 and 3 S., Rs. 11 and 12 E., recently established by us. Thence we run.

East, on a true line, bet. secs. 6 and 31.
Over mountainous land.

- 6.00 Descend.
Gulch, 40 lks. wide, course S.W.
Ascend, steep high mountain.
- 38.58 Allow for convergency,
Set a schist stone 20x8x5 ins., 15 ins. in the ground,
for 1/4 sec. cor., marked 1/4 on N. face, and raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
Pits impracticable.
- 45.50 Trail, Superior to Newberry, bears N.E. and S.W.
- 57.00 Summit of high butte.
Descend.
- 64.50 Gulch, 20 lks. wide, course N.E.
Ascend.
- 73.75 Ridge, bears N. and S.
Descend.
- 78.58 Set a quartz stone, 20x8x6 ins., 15 ins. in the ground,
for cor. of secs. 5, 6, 31 and 32, marked with 1 notch on W., and 5 notches on E. edge, and raise mound of stone, 3 ft. base, 2 ft. high, W. of cor.
Pits impracticable.

Land very mountainous.
Soil, rocky, 3d rate.
Mountainous land, exceptionally difficult to survey,
No timber. 78.58 chs.

July 8, 1908.

July 9: At 7h 30m, a.m., l.m.t., we set off 33°12' N. on the lat. arc; 22°23' N on the decl. arc; and determine a true meridian with the solar, at the above cor.
East, Bet. secs. 5 and 32.

- 3.50 Over very mountainous land.
Ascend.
- 100220 Ridge, bears N. and S.
Descend abruptly.
- 17.90 Gulch, 20 lks. wide, course N.E.
Ascend.
- 21.00 Top of ascent, on N. slope of ridge.
- 31.00 Descend.
- 38.50 Telegraph Canon, 50 lks. wide, course N.20° W.
Ascend.
- 40.00 Set a malpais stone, 20x10x6 ins., 15 ins. in the ground,
for 1/4 sec. cor., marked 1/4 on N. face, and raise a mound of stone, 4 ft. base, 3 ft. high, N. of cor.
Pits impracticable.
- 55.00 Foot of rocky bluff, 200 ft. high, ascend.
- 59.00 Top of high ridge, divide bet. Telegraph, and Wood Canons,
bears N. and S.
v Descend abruptly.
- 80.00 Set a Quartzite stone, 24x18x10 ins., 12 ins. in the ground, to bedrock, surrounded by mound of stone, for cor. of secs. 4, 5, 32 and 33, marked with 2 notches on W., and 4 notches on E. edge, and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor., pits impracticable.

Land very mountainous.
Soil 4th rate.
No timber.
Mountainous land, exceptionally difficult to survey,
80.00 chs.

Chains

East, bet. secs. 4 and 33.
 Over very mountainous land.
 Descend.
 14.00 ~~15.00~~ ~~16.00~~ Wood Canon, course N.
 18.00 Ascend.
 35.00 Top of limestone ridge, bears N. and S.
 Descend.
 40.00 Set a limestone 20x6x6 ins., 15 ins. in the ground, for
 1/4 sec. cor., marked 1/4 on N. face, and raise a
 mound of stone, 3 ft. base, 2 ft. high, N. of cor.
 Pits impracticable.

42.00 Ascend.
 49.00 Ridge, bears N. and S.
 Descend.

80.00 Set a limestone 20x10x8 ins., 15 ins. in the ground, for
 cor. of secs. 3, 4, 33 and 34, marked with 3 notches
 on E. and W. edges, and raise a mound of stone, 3 ft.
 base, 2 ft. high, W. of cor., pits impracticable.
 Land very mountainous.
 Soil rocky, 4th rate.
 No, timber.
 Mountainous land, exceptionally difficult to survey,
 80.00 chs.

July 9, 1908

July 10; At 7h 10m, a.m., l.m.t., we set off 33° 19' N.
 on the lat. arc; 22° 16' N on the decl. arc; and deter-
 mine a true meridian with the solar.

East, bet. secs. 3 and 34.
 Over very mountainous land.
 Descend.
 13.40 Wood Canon, 60 lks. wide, course N.
 18.00 Ascend.
 33.50 Ridge, bears N. and S.
 Descend.
 40.00 Set a malpais stone 18x10x8 ins., 12 ins. in the ground,
 for 1/4 sec. cor., marked 1/4 on N. face, and raise a
 mound of stone, 3 ft. base, 2 ft. high, N. of cor.
 Pits impracticable.

49.00 Gulch, 15 lks. wide, course S.W.
 Ascend.
 56.50 Ridge, bears N. and S.
 Descend.
 74.45 Gulch, 10 lks. wide, course N.E.
 Ascend.

80.00 Set a limestone, 18x8x6 ins., 12 ins. in the ground, for
 cor. of secs, 2, 3, 34 and 35, marked with 4 notches
 on W., and 2 notches on E. edge, and raise a mound of
 stone 3ft. base, 2 ft. high, W. of cor., pits impracticable.
 Land very mountainous,
 Soil 4th rate.
 No timber.
 Mountainous land, exceptionally difficult to survey,
 80.00 chs.

July 10: we set off 22° 14' N on the decl. arc; and
 observe the sun on the meridian, at noon, the re-
 sulting lat. being 33° 12' N. which is correct.

East, bet. secs. 2 and 35.
 Over very mountainous land.
 Ascend.
 7.00 Ridge, bears N.E. and S.W.
 Descend.
 18.20 Gulch, 20 lks. wide, course N.W.
 Ascend.

Onains	
34.00	Top of high limestone butte. Descend.
40.00	Set a limestone, 18x8x5 ins., 12 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N. face, and raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor. Pits impracticable.
42.00	Descend very abruptly.
52.30	Canon, 20 lks. wide, course S. Ascend very abruptly.
63.00	Ridge, bears N. and S.
70.00	Descend.
79.00	Bottom.
80.00	Set a trachite stone, 24x10x8 ins., 18 ins. in the ground for cor. of secs. 1, 2, 35 and 36, marked with 1 notch on E., and 5 notches on W. edge, and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Pits impracticable.
	Land very mountainous. Soil, rocky, 4th rate. No timber. Mountainous land, exceptionally difficult to survey, 80.00 chs.
	July 10, 1908.

July 11: At 7h, a.m., l.m.t., we set off 33°12'N. on the lat. arc; 22°9'N on the decl. arc; and determine a true meridian with the solar, at the above cor.

	East, bet. secs. 1 and 36. Over very mountainous land. Ascend along N slope of ridge.
10.00	Descend.
29.00	Bottom of mountain.
32.00	Ascend.
38.50	Descend very abruptly.
40.00	Set a trachite stone, 20x10x5 ins. 15 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N. face, and raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor. Pits impracticable.
43.50	Gulch, 35 lks. wide, course N.
44.00	Ascend.
54.00	Ridge, bears N. and S. Descend.
66.00	Ascend.
72.00	Ridge, bears N. and S. Descend abruptly.
74.50	Gulch, 10 lks. wide, course N. Ascend abruptly.
79.00	North end of ridge, bears S. Descend.
80.00	Set a trachite stone, 24x16x8 ins., 18 ins. in the ground for cor. of Ts. 2 and 3 S., Rs. 12 and 13 E., marked with 6 notches on each edge, and raise a mound of stone 4 ft. base, 3 ft. high, S. of cor., pits impracticable. Land very mountainous. Soil 4th rate. Mountainous land, exceptionally difficult to survey, 80.00 chs.

Chains.

From the cor. of Ts. 2 and 3 S., Rs. 12 and 13 E., just established by us, we run North, on a true line, bet. secs. 31 and 36. Over mountainous and rolling land. Descend.

12.00 Gulch, 30 lks. wide, course N.20°W. Ascend.

21.00 Descend.

38.70 Road, Superior to Ray, bears S.E. and N.W.

40.00 Set a quartzite stone, 18x8x5 ins., 12 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face, and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Pits impracticable.

40.60 Wash, 20 lks. wide, course N.W.

53.50 Wash, 50 lks. wide, course N.W.

62.75 Wash, 15 lks. wide, course N.W.

80.00 Set a limestone, 18x8x6 ins. 12 ins. in the ground, for cor. of secs. 25, 30, 31 and 36, marked with 1 notch on S., and 5 notches on N. edges, dig pits 18x18x12 ins., in each sec. 5 1/2 ft. dist. and raise a mound of earth and stone, 5 ft. base 2 ft. high, W. of cor. Land mountainous, and rolling. Soil, 3d and 4th rate. No timber. Mountainous land, covered with dense undergrowth of paloverde, cacti and thorn bushes, exceptionally difficult to survey, 80.00

July 11, 1908.

July 12: At 7h 12m, a.m., l.m.t., we set off 33°13'N. on the lat. arc; 22°00'N! on the decl. arc, and determine a true meridian with the solar, at the above cor.

North, bet. secs. 25 and 30. Over mountainous land.

3.50 Gulch, 20 lks. wide course W.

11.35 Gulch, 30 lks. wide, course W.

23.40 Gulch, 30 lks. wide, course S. 75°W.

40.00 Set a limestone, 20x10x6 ins. 15 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face, and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Pits impracticable.

40.40 Descend abruptly.

41.50 Gulch 40 lks. wide, course S. 60°W. Ascend.

51.00 Ridge, bears E. and W. Descend.

58.00 Gulch, 20 lks. wide, course W. Ascend.

65.40 Ridge, bears N.E. and S.W. Descend.

71.50 Gulch, 25 lks. wide, course S.60°W. Ascend steep mountain.

80.00 Set a porphyry stone 18x6x4 ins., 12 ins. in the ground, for cor. of secs. 19, 24, 25 and 30, marked with 2 notches on S. and 4 notches on N. side, and raise a mound of stone 3 ft. base, 2 ft. high, W. of cor. Pits impracticable.

Land mountainous. Soil, 3d and 4th rate. No timber. Mountainous land, exceptionally difficult to survey, 80.00 chs

Chains. North bet. secs. 19 and 24.
 Over very mountainous land.
 Ascend W. slope of steep mountain.
 26.25 Top of steep mountain, bears SE. and NW.
 Descend very abruptly.
 40.00 set a limestone 18x8x6 ins., 12 ins. in the ground for 1/4
 sec. cor., marked 1/4 on W face, and raise a mound of
 stone 3 ft. base, 2 ft. high W. of cor. Pits impracticable.
 40.60 Canon, 50 lks. wide, course N. 60° W.
 Ascend.
 58.00 Ridge, bears E. and W.
 Descend.
 63.50 Gulch, 15 lks. wide, course SW.
 Ascend.
 80.00 Set a limestone, 18x10x8 ins., 12 ins. in the ground for
 cor. of secs. 13, 18, 19 and 24, marked with 3 notches
 on N. and S. edges, and raise a mound of stone 3 ft. base,
 2 ft. high W. of cor. Pits impracticable.
 Land very mountainous.
 Soil 4th rate.
 No timber.
 Mountainous land, exceptionally difficult to survey,
 80.00 chs.

July 12, 1908.

July 13; At 7h 20m, a.m., 1 mi., I set off 33° 15' on
 the lat. arc; 21° 52' N. on the decl. arc, and determine a
 meridian with the solar, at the cor. of secs. 13, 18, 19, 24.
 Thence I run

North bet. secs. 13 and 18.
 Over very mountainous land.
 Ascend W. slope of steep mountain.
 40.00 Set a trachite stone 20x12x4 ins., 15 ins. in the ground,
 for 1/4 sec. cor., marked 1/4 on W. face, and raise a
 mound of stone 3 ft. base 2 ft. high W. of cor.
 Pits impracticable.
 80.00 Set a trachite stone 18x10x6 ins. 12 ins. in the ground,
 for cor. of secs. 7, 12, 13 and 18, marked with 2 notches
 on N. and 4 notches on S. edges, and raise a mound of
 stone 3 ft. base 2 ft. high W. of cor. Pits impracticable.
 Land very mountainous.
 Soil 4th rate.
 No timber.
 Mountainous land, exceptionally difficult to survey,
 80.00 chs.

North, bet. secs. 7 and 12.
 Over very mountainous land.
 Descend.
 40.00 Set a trachite stone 20x10x6 ins., 15 ins. in the ground,
 for 1/4 sec. cor., marked 1/4 on W. face, and raise a
 mound of stone 3 ft. base 2 ft. high W. of cor.
 Pits impracticable.
 57.20 Gulch, 30 lks. wide, course NE.
 Ascend abruptly.
 67.00 Ridge, bears NE. and SW.
 Descend Abruptly.
 77.75 Gulch, 25 lks. wide, course NE.
 Ascend abruptly.
 80.00 A trachite stone, in place, 3x2x4 ft. above ground, I mark
 a x at cor. point for cor. of secs. 1, 6, 7 and 12, and cut

Chains. 1 groove N. and 5 grooves S. of x, and raise a mound of stone 3 ft. base 2 ft. high W. of cor. pits impracticable. Land very mountainous. Soil 4th rate. No timber. Mountainous land, exceptionally difficult to survey, 80.00 chs.

July 13, 1908.

July 14; At 8h 55m, a.m., l.m.t., I set off $33^{\circ}16\frac{1}{2}'N$. on the lat. arc; $21^{\circ}42'N$. on the decl. arc, and determine a meridian with the solar, at the cor of secs. 1, 6, 7, 12, Thence I run

- North, bet. secs. 1 and 6. Over very mountainous land. Ascend abruptly.
- 44.00 Ridge, bears NE. and SW. Descend abruptly.
- 13.00 Gulch, 30 lks. wide, course NE. Ascend abruptly.
- 22.40 Ridge, bears NE. and SW. Descend abruptly.
- 32.20 Gulch, 20 lks. wide, course NE. Ascend abruptly.
- 40.00 Set a trachite stone, 20x10x8 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, and raise a mound of stone 3 ft. base 2 ft. high, W. of cor. Pits impracticable.
- 43.00 Ridge, bears NE. and SW. Descend abruptly.
- 51.00 Gulch, 20 lks. wide, course NE. Ascend very abruptly.
- 58.00 Ridge, bears NE. and SW. Descend abruptly.
- 67.25 Gulch, 20 lks. wide, course NE. Ascend abruptly.
- 75.00 Ridge, bears NE. and SW. Descend very abruptly.
- 80.25 Intersect S. bdy. of Tp. 1 S., R. 13 E., 5.50 chs. $S. 89^{\circ}55'E$. of the $\frac{1}{4}$ sec. cor., on S. bdy. of sec. 32, a stone firmly set marked and witnessed as described by the Surveyor General, where I set a trachite stone, 30x20x10 ins., 12 ins. in the ground, to bedrock, surrounded by mound of stone, for closing cor. of Tp. 2 S., Rs. 12 and 13 E. marked C C on S., with 6 grooves on E., W. and S. faces, and raise a mound of stone 4 ft. base, 3 ft. high S. of cor. Pits impracticable.

I change the original corner stone of T. 2 S. and 2 S. Rs. 12 and 13 E., to refer to Tp. 1 S. only.

Land very mountainous, Soil 4th rate. No timber. Mountainous land, exceptionally difficult to survey, 80.25 chs.

Connecting line " " 5.50 "

July 14, 1908.

Boundaries of T. 2 S., R. 12 E.

Latitudes, Departures and Closing errors .

Line designated	True bearing	Distance	Latitudes		Departures	
			N.	S.	E.	W.
W. Bdy.	North.	480.00	480.00			
N. Bdy.	East.	410.20			410.20	
" "	S. 89 55' E.	66.44		.09	66.44	
E. Bdy.	South.	480.25		480.25		
S. Bdy.	West.	478.58				478.58
Convergency					.47	
			480.00	480.34	477.11	478.58
				.34		478.11
			Error in latitude. .34		Er. in Dept. 1.17	

General Description.

The E., W., and S., and the east part of the N. boundaries pass over a very rugged, mountainous country, the remainder of the N. bdy. runs over hills and gulches.

There is considerable evidence of mineral along the E. boundary, where there are a great many mineral locations, and some development work going on.

The township seems valuable, principally for mineral, and grazing purposes.

We will subdivide the entire township.

Wickenburg, Ariz., December 16, 1908.

Francis B. Jacobs

U.S. Deputy Surveyor .

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

BOOK 2227

A list of the names of the individuals employed by Jacobs & Curry, 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 the boundaries of T. 25, R. 12 E. showing the respective capacities in which they acted:

- Harry S. Young, Chainman.
- John A. Kellis, Chainman.
- A. Norman Oliver, Moundman.
- _____ Moundman.
- _____ Axman.
- _____ Axman.
- _____ Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Jacobs & Curry, United States Deputy Surveyor, in surveying all those parts or portions of the boundaries of T. 25, R. 12 E.

_____ of the Land S.R. Base and meridian, Territory of Arizona, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Arizona

- Harry S. Young, Chainman.
- John A. Kellis, Chainman.
- A. Norman Oliver, Moundman.
- _____ Moundman.
- _____ Axman.
- _____ Axman.
- _____ Flagman.

Subscribed and sworn to before me this 10 day of August, 1908



My commission expires September 20, 1911

Francis Jacobs
Notary Public

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____ United States Surveyor General for _____, bearing date of the _____ day of _____, 190 _____, 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 _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____ of the _____ meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed 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 United States 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.

United States Deputy Surveyor.

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



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

_____, 190 _____

The foregoing field notes of the survey of _____

executed by _____ under his contract No. _____, dated _____, 190 _____, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by James Curry, 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

T. 2 S - R. 12 E.

showing the respective capacities in which they acted:

Jim A. Kellis
Guy Phelps

, Chainman.

, Chainman.

, Moundman.

, Moundman.

, Axman.

, Axman.

, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted James Curry, United States Deputy Surveyor, in surveying all those parts or portions of the Boundaries of

T. 2 S. R. 12 E.

of the Tila and Salt River Base meridian, Territory of Arizona, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Arizona

James A. Kellis
Guy Phelps

, Chainman.

, Chainman.

, Moundman.

, Moundman.

, Axman.

, Axman.

, Flagman.

Subscribed and sworn to before me this 10 day of March, 1960

Francis Jacobs



No 33

BOOK 2227

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Francis B. Jacobs, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Frank S. Ingalls United States Surveyor General for Arizona, bearing date of the 20 day of March, 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 Arizona, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the boundaries

of T. T. S. R. 12 E. of the Gila and Salt River Basin meridian, in the Territory of Arizona, which are represented in the foregoing field notes as having been surveyed 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 United States Surveyor General for Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Francis B. Jacobs
United States Deputy Surveyor.

Subscribed by said Francis B. Jacobs, and sworn to before me }
this 17 day of May, 1900

Frank S. Ingalls
U. S. SURVEYOR GENERAL & D. A.



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Ariz. Nov. 23, 1901

The foregoing field notes of the survey of the North South East and West Boundaries of T. T. S. R. 12 E., S. & R. Meridian, Arizona

executed by Francis B. Jacobs U.S. D.S. under his contract No. 148, dated March 20, 1908, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank S. Ingalls
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General.