

Book P BOOK 2205

2205

FIELD NOTES

OF THE SURVEY OF THE

2205

2205

Subdivisions of

T. 4 S. R. 15 E. (fractional)

2205

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

Arizona

AS SURVEYED BY

Jacobs & Curry

, United States Deputy Surveyors

Under his Contract No. *148*, dated *March 20*, 190*8*

Survey commenced *October 18*, 190*8*

Survey completed *October 23*, 190*8*

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67
FEB 21 1910
MAR 1 1910
Accepted S.L.O. letter E.
Dec. 28-1910

NAMES AND DUTIES OF ASSISTANTS.

<i>Jim A. Kellis</i>	<i>Chairman</i>
<i>Harvey H. Lake</i>	<i>"</i>
<i>Thomas Jacobs</i>	<i>Moundman</i>
<i>Fred C. Roberts</i>	<i>Apeman</i>

BOOK 2205

INDEX DIAGRAM.

Township 24 S., Range 15 E

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

Meanders Page.....

1070

PRELIMINARY OATHS OF ASSISTANTS.

WE, Jim A. Kellis and Harvey A. Coker 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 Subdivisions of J. 24 S. R. 15 E.

Jim A. Kellis, Chainman. Harvey A. Coker, Chainman.

Subscribed and sworn to before me this 12 day of October, 1908



Francis Jacobs, Notary Public My commission expires September 20, 1911

WE, Thomas Jacobs 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 the Subdivisions of J. 24 S. R. 15 E. Thomas Jacobs, Moundman.

Subscribed and sworn to before me this 12 day of October, 1908



Francis Jacobs, Notary Public My commission expires September 20, 1911

WE, Fred C. Roberts 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 the Subdivisions of J. 24 S. R. 15 E. Fred C. Roberts, Axman.

Subscribed and sworn to before me this 12 day of October, 1908



Francis Jacobs, Notary Public My commission expires September 20, 1911

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_____



Subdivisions of T. 24 S., R 15 E.

Chains.

Survey commenced October 18, 1908, and executed with a Gurley light mountain transit, with Solar attachment. A description of which, with data, of Polaris observation and adjustments will be found on page 1, field notes of the boundaries of this TP.

October 18,; At 7h.a.m. l.m.t., we set off $31^{\circ} 23' N$ on the lat. arc; $9^{\circ} 32' S$ on the decl. arc; and determine a meridian with the solar, at the cor. of secs. 1. 21 35 and 36, on the N. bdy. of the Tp., recently established by us.

Thence we run

S. $0^{\circ} 1' E$. bet secs. 1 and 2.

Over mountainous land.

..50

Gulch, 20 lks. wide, course N. $60^{\circ} W$.

Ascend very steep mountain,

8.50

Summit of ridge, brs SE and NW.

Descend along W. slope.

28.50

Gulch, 10 lks. wide, course W.

39.00

Gulch, 10 lks. wide, course W.

Ascend.

40.00

Set a granite stone, 16 x 12 x 6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

An oak, 16 ins. in diam. brs. N. $37^{\circ} E$., 115 lks. dist., marked $\frac{1}{4}$ S 1 B T.

An oak, 12 ins. in diam. brs. N. $57^{\circ} W$., 105 lks. diat., marked $\frac{1}{4}$ S 2 B T.

40.50

Ridge brs. E and W.

Descend.

42.50

Gulch, 15 lks. wide, course W.

46.50

Gulch, 20 lks. wide, course W.

57.00

Wash, 1 ch. wide, course N. $75^{\circ} W$.

69.50

Road, Nogales to Washington camp, brs, NE and SW.

Ascend.

78.00

Top of flat ridge, brs. E and W.

80.00

Set a granite stone, 18 x 10 x 5 ins., 12 ins. in the ground, for cor. of secs. 1. 2. 11 and 12, marked with 5 notches on S. and 1 notch on E. edge; from which

An oak, 10 ins. in diam. brs N. $40^{\circ} E$., 255 lks. dist., marked T 24 S R 15 E S 1 B T.

An oak, 16 ins. in diam. brs. S. $16\frac{1}{4}^{\circ} E$., 188 lks. diat., marked T 24 S R 15 E S 12 B T.

An oak, 16 ins. in diam. brs. S. $24\frac{3}{4}^{\circ} W$., 405 lks, diat., marked T 24 S R 15 E S 11 B T.

An oak, 18 ins. in diam. brs. N. $51^{\circ} W$., 300 lks. diat., marked T 24 S R 15 E S 2 B T.

Raise a mound of stones $2\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Land, mountainous.

Soil, 2nd and 3rd rate.

Timber, oak and mesquite.

Mountainous land, exceptionally difficult to survey,
80.00 chs.

40.00

East on a random line, bet. secs. 1 and 12.

80.24

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

Intersect E. boundary, at 12 lks. S. of the cor. of secs. 1.6.7 and 12 recently established by us; thence we run S. $89^{\circ} 55' W$. on a true line bet. secs. 1 and 12.

Over mountainous land.

Descend steep mountain.

13.75

Gulch, 25 lks. wide, course NW.

Ascend. abruptly.

33.00

Summit of mountain, brs. WSW. and ENE.

37.00

Descend along N. slope.

Subdivisions of T 24 S., R 15 E.

Chains.

40.12 Granite stone in place, 3 x 5 x 2½ ft. above ground, for, ¼ sec. cor., marked ¼ on N. face; raise a mound of stone, 3 ft. base, 2ft. high, N. of cor. cor. point mkd. with a cross. Pits impracticable.
 43.00 Descend steep mountain.
 54.25 Gulch 20 lks. wide, course NW.
 61.25 Gulch, 20 lks. wide, course NW.
 Ascend.
 80.24 The cor. of secs. 1.2.11 and 12.
 Land, mountainous.
 Soil, 3rd and 4th rate.
 Timber, oak and mesquite.
 Mountainous land, exceptionally difficult to survey,
 80.24 chs.

October 18. 1908.

October 19; At 7h.a.m. l.m.t., we set of 31° 22' N on the lat. arc; 9° 55' S. on the decl. arc; and determine a meridian with the solar, at the cor. of secs. 1. 2. 11 and 12.
 Thence we run
 S. 0° 1' E. bet. secs. 11 and 12.
 Over mountainous land, descend.
 12;00 Gulch 20 lks. wide. course SW.
 21.00 Gulch, 20 lks. wide, course SW.
 Ascend.
 28.00 Rocky ridge, brs. E and W.
 Descend.
 38.00 Gulch, 50 lks. wide, course W.
 39.00 Ascend.
 40.00 Granite in place, 4 x 3 x 1½ ft. above ground, for ¼ sec. cor., marked ¼ on W. face; with cross for cor. point
 An oak, 24 ins. in diam. brs. N. 67½° E., 60 lks. dist., marked ¼ S 12 B T.
 An oak, 8 ins. in diam. brs N. 63¾° W., 26 lks. dist., marked ¼ S 11 B T.
 52.00 Gulch, 10 lks. wide, course W.
 56.00 Ridge, brs. E and W.
 Descend.
 62.00 Head of gulch, course S. 10° W. descend.
 80.00 Set a granite stone, 20 x 12 x 6 ins., 15 ins. in the ground, for cor. of secs. 11. 12. 13 and 14, marked with 4 notches on S. and 1 notch on E. edge; from which
 An oak, 18 ins. in diam. brs N. 15° E., 132 lks. dist., marked T 24 S R 15 E S 12 B T.
 An oak, 18 ins. in diam. brs. S. 49° E., 139 lks. dist., marked T 24 S R 15 E S 13 B T.
 An oak, 24 ins. in diam. brs. S. 77¼° W., 90 lks. dist., marked T 24 S R 15 E S 14 B T.
 An oak, 18 ins. in diam. brs. N. 45° W., 109 lks. dist., marked T 24 S R 15 E S 11 B T.
 Land, mountainous.
 Soil, 2nd and 3rd rate.
 Timber, oak.
 Mountainous land, exceptionally difficult to survey,
 80.00 chs.

40.00 N. 89° 55' E. on a random line, bet. secs. 12 and 13.
 Set temp. ¼ sec. cor.
 80.14 Intersect East boundary, 12 lks. N. of the cor. of secs. 7.12.13 and 18, recently established by us,
 Thence we run
 West on a true line, bet. secs. 12 and 13.
 Over broken and mountainous land.

Subdivisions of T 24 S., R 15 E.

Chains.	
29.00	Descend steep mountain. Gulch, 50 lks. wide, course SW. Ascend.
33.00	Ridge brs. NE and SW.
40.07	Set a granite stone, 18 x 8 x 5 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which An oak, 10 ins. in diam. brs. S. $36\frac{1}{2}^{\circ}$ W., 18 lks. dist., marked $\frac{1}{4}$ S 13 B T. An oak, 10 ins. in diam. brs. N. $5\frac{1}{2}^{\circ}$ W., 36 lks. dist., marked $\frac{1}{4}$ S 12 B T.
50.80	Descend. Gulch 20 lks. wide, course S. 75° W. Ascend.
59.00	Ridge, brs. NE and SW. Descend.
70.25	Gulch 30 lks. wide, course S. 60° W. Ascend.
73.50	Ridge, brs. NE and SW. Descend.
75.50	Gulch, 25 lks. wide, course SW. Ascend.
78.00	Ridge, brs. NE and SW. Descend.
80.14	The cor. of secs. 11. 12. 13 and 14. Land. mountainous. Soil, 3rd rate. Timber oak, and mesquite. Mountainous land, exceptionally difficult to survey, 80.14 chs.
	S. 0° 1' E. bet. secs. 13 and 14. Over mountainous land. Descend.
14.00	Gulch, 25 lks. wide, course S. 60° W.
14.30	Bluff 50 ft. high. Ascend.
15.50	Ridge brs. E and W. Descend.
17.50	Confluence of two gulches, 60 lks. wide, course S. 60° W. Ascend.
27.00	Ridge brs. NE and SW. Descend.
28.50	Head of gulch, course SW. descend.
39.00	Gulch, 10 lks. wide, course S. 30° W.
40.00	Set a granite stone, 20 x 8 x 5 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face from which An oak, 12 ins. in diam. brs. N. $39\frac{1}{2}^{\circ}$ E., 109 lks. dist., marked $\frac{1}{4}$ S 13 B T. An oak, 16 ins. in diam. brs. S. 44° W., 147 lks. dist., marked $\frac{1}{4}$ S 14 B T.
42.00	Ascend.
45.00	Ridge brs. NE and SW. Descend.
48.50	Gulch, 20 lks. wide, course SW. Ascend.
65.00	Ridge, brs. NE and SW.
77.50	Wire fence brs. E and W.
80.00	Gulch, 30 lks. wide, course S. 30° W.
80.50	Ascend.
81.22	Wire fence brs. E and W.
82.75	Intersect International Bdy., at 50.36 chs. east of International bdy. monument No 116; which is an iron monument, firmly set, marked and witnessed, as described by the surveyor general. and Int. Mon 115 brs. East 149.29 chs.

Subdivisions of T. 24 S., R 15 E.

Chains.

Set a granite stone, 18 x 14 x 5 ins., 12 ins. in the ground, for closing cor. of secs. 13 and 14, marked with 1 groove on E; C C on N., and MEX. on south; face from which

An oak, 10 ins. in diam. brs N. 38 1/2° E., 130 lks. dist., marked T 24 S R 15 E S 13 B T.

An oak, 12 ins. in diam. brs. N. 9° W., 133 lks. dist., marked T 24 S R 15 E S 14 B T.

Land, mountainous.

Soil, 3rd rate.

Timber, oak and mesquite.

Mountainous land, exceptionally difficult to survey,

Connecting line, " 82.75 chs.

" " " 50.36 chs.

October 19, 1908.

October 20; At 7h. 15m. a.m. l.m.t., we set off 31° 23' N on the lat. arc; 10° 16' S on the decl. arc; and determine a meridian with the solar, at the cor. of 2.3.34 and 35, on N. bdy of Tp.

Thence we run

S. 0° 1' E. bet. secs. 2 and 3.

Over mountainous land.

3.00 Wash, 3 chs. wide, course W.

7.00 Road, brs E. and W.

8.00 Ascend steep bank.

11.00 Top of bank, brs. NE and SW.

23.00 Gulch, 20 lks. wide, course W.

30.00 Road, brs. E. and W.

32.00 Gulch, 10 lks. wide, course W.

Ascend.

40.00 Ridge brs., NE and SW.

Set a granite stone, 18 x 10 x 6 ins. 12 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face from which

An oak, 12 ins. in diam. brs. N. 80 1/2° W., 270 lks. dist., marked 1/4 S 3 B T. No other trees available.

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

45.50 Gulch, 15 lks. wide, course SW.

54.50 Wash, 75 lks. wide, course W.

65.00 Wash, 20 lks. wide, course N. 60° W.

73.30 Road, Nogales to Washington camp. bears S.E. and N.W.

76.00 Descend.

80.00 Set granite stone, 18 x 6 x 4 ins., 12 ins. in the ground, for. cor. of secs. 2, 3, 10 and 11, marked with 5 notches on S. and 2 notches on E. edge; from which

An oak, 14 ins. in diam. brs N. 29 1/2° E., 62 lks. dist., marked T 24 S R 15 E S 2 B T.

An oak, 12 ins. in diam. brs S. 58° E., 105 lks. dist., marked T 24 S R 15 E S 11 B T.

An oak, 12 ins. in diam. brs S. 61° W., 149 lks. dist., marked T 24 S R 15 E S 10 B T.

An oak, 6 ins. in diam. brs. N. 15 1/2° W., 78 lks. dist., marked T 24 S R 15 E S 3 B T.

Land, mountainous.

Soil, 2nd and 3rd rate.

Timber, oak and mesquite, with walnut and willow along the big wash.

Mountainous land, exceptionally difficult to survey, 80.00 chs.

East on a random line, bet. secs. 2 and 11.

40.00 Set temp. 1/4 sec. cor.

Chains.	
79.68	Intersect N. and S. line, 30 lks. S. of the cor. of Secs. 1, 2, 11 and 12, recently established by us. Thence we run S. $89^{\circ} 47'$ W. on a true line, bet. secs. 2 and 11. Over mountainous land, descending.
27.60	Wash, 15 lks. wide, course S. 80° W.
39.84	Set a granite stone, 16 x 10 x 5 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face, from which An oak 24 ins. in diam. brs. S. 23° E., 84 lks. dist., marked $\frac{1}{4}$ S 11 B T. An oak 10 ins. in diam. brs. N. $63-3/4^{\circ}$ W. 27 lks. dist., marked $\frac{1}{4}$ S 2 B T.
59.70	Same wash, course N. 75° W.
60.70	Telephone line, Nogales to Washington camp, brs. NE and SW.
70.80	Wash, 30 lks. wide, course SW.
79.68	The cor. of Secs. 2, 3, 10 and 11. Land, rolling and broken. Soil, 3rd rate. Timber, oak and mesquite. Mountainous land, exceptionally difficult to survey, 79.68 chs. October 20; At this cor., we set off $10^{\circ} 24'$ S on the decl. arc; and at noon, observe the sun on the meridian; the resulting lat. is $31^{\circ} 22' N$.

14.50	West on a true line bet. Secs. 3 and 10. Road, brs. NE and SW.
22.00	Wash, 25 lks. wide, course S. 75° W.
39.85	Road, brs. N. and S. Wash, 25 lks. wide, course N. 75° W.
40.00	The $\frac{1}{4}$ sec. cor. point falls in wash 20 lks. wide, course N. 80° W.
40.16	Set granite stone 18 x 6 x 5 ins. 12 ins. in the ground for witness $\frac{1}{4}$ Sec. Cor., marked W.C. $\frac{1}{4}$ on N. face, from which An Oak 24 ins. in diam. brs. S. $85\frac{1}{2}^{\circ}$ E. 98 lks. dist., marked W.C. $\frac{1}{4}$ S 10 B.T. An Oak 10 ins. in diam. bears N. $32-3/4^{\circ}$ W. 52 lks. dist., marked W.C. $\frac{1}{4}$ S 3 B.T.
41.21	Intersect E. Bdy. of the Maria Santisima del Carmen land grant, at 12.29 chs. S. $6^{\circ} 20'$ E. of the 3 mile cor. of the M.S.del C. land grant, which is a stone, firmly set marked and witnessed, as described by the surveyor general. Set a granite stone 30 x 12 x 6 ins., 24 ins. in the ground, for closing cor. of Secs. 3 and 10, marked C C on E; with 5 grooves on S. and B V G. on W. face; from which An oak, 24 ins. in diam. brs. N. 80° E., 91 lks. dist., marked T 24 S R 15 E S 3 B T. An oak, 16 ins. in diam. brs. S. 63° E., 285 lks. dist., marked T 24 S R 15 E S 10 B T. Land, rolling. Soil, 2nd rate. Timber, oak and mesquite. Heavily timbered land, exceptionally difficult to survey, 41.21 chs. Connecting line, exceptionally difficult to survey, 12.29 Chs. October 20, 1908.

	October 21; at 8 h. a.m. l.m.t., we set off $31^{\circ} 22' N$ on the lat. arc; $10^{\circ} 41'$ S on the decl. arc; and determine a meridian with the solar, at the cor. of Secs. 2, 3, 10 and 11, recently established by us. Thence we run S. $0^{\circ} 1'$ E. bet. Secs. 10 and 11. Over mountainous land.

BOOK

Chains.

- 3.00 Wash, 50 lks. wide, course S. 60° W.
- 4.90 Telephone line, brs. N. 60° E. and S. 60° W.
- 14.50 Wash, 20 lks. wide, course SW.
- 34.30 Wash, 20 lks. wide, course SW.
- 40.00 Set a granite stone, 18 x 10 x 6 ins., 12 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
An oak, 18 ins. in diam. brs. S. 51-3/4° E. 30 lks. dist. marked $\frac{1}{4}$ S 11 B T.
An oak 12 ins. in diam. brs. S. 4-3/4° W., 58 lks. dist. marked $\frac{1}{4}$ S 10 B T.
Ascend.
- 46.00 Ridge, brs. E. and W. Descend.
- 51.00 Gulch, 40 lks. wide, course SW.
- 52.50 Ascend very steep hill.
- 57.00 Ridge brs. E. and W. Descend.
- 59.30 Gulch, 30 lks. wide, course W.
Ascend very steep ridge.
- 64.00 Ridge, brs. E. and W. Descend.
- 71.90 Gulch, 20 lks. wide, course W. Ascend.
- 77.00 Ridge, brs. NE and SW. Descend.
- 80.00 Set a granite stone, 20 x 8 x 4 ins., 15 ins. in the ground, for cor. of Secs. 10, 11, 14 and 15, marked with 4 notches on S. and 2 notches on E. edge, from which
An oak, 24 ins. in diam. brs. S. 1 1/2° E., 318 lks. dist., marked T 24 S R 15 E S 14 B T. No other trees available. Raise a mound of stone 4 ft. base, 2 ft. high, W. of cor. Pits impracticable.
Land, mountainous.
Soil, 3rd rate.
Timber, oak and mesquite.
Mountainous land, exceptionally difficult to survey,
80.00 chs.

-
- 40.00 N. 89° 47' E. on a random line, bet. secs. 11 and 14. Set temp. $\frac{1}{4}$ sec. Cor.
 - 79.80 Intersect N. and S. line, at 18 lks. N. of the cor. of Secs. 11, 12, 13 and 14, recently established by us. Thence we run S. 89° 55' W. on a true line, bet. Secs. 11 and 14. Over mountainous land.
 - 2.60 Gulch, 10 lks. wide, course S. 10° W.
Ascend.
 - 9.00 Ridge, brs. N and S.
Descend.
 - 17.00 Gulch, 15 lks. wide, course S. Ascend.
 - 21.50 Ridge, brs. N and S.
 - 21.90 Road, brs. N and S.
 - 22.00 Descend.
 - 32.00 Gulch, 10 lks. wide, course N. 60° W. descend.
 - 39.90 Set a granite stone, 24 x 10 x 6 ins., 18 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face, from which
An oak 16 ins. in diam. brs. S. 18-3/4° E. 208 lks. dist. marked $\frac{1}{4}$ S 14 B T.
An oak 10 ins. in diam. brs. N. 41° W. 115 lks. dist., marked $\frac{1}{4}$ S 11 B T.
 - 74.50 Gulch, 5 lks. wide, course SW. Ascend.
 - 79.80 The cor. of Secs. 10, 11, 14 and 15.
Land, mountainous.
Soil, 3rd rate.
Timber, oak and mesquite.
Mountainous land, exceptionally difficult to survey,
79.80 chains.

-
- West on a true line, bet. secs. 10 and 15.
Descend.
 - 14.50 Gulch, 50 lks. wide, course SW.
 - 20.50 Road, brs. NE and SW.
 - 22.50 Ridge, brs. NE and SW.

Subdivisions of T 24 S., R 15 E.

Chains.

31.15 Descend.
Gulch, 10 lks. wide. course S. 60° W.
Ascend.

32.22 Wire fence, brs. S. 6° E., and N. 6° W.

32.18 Intersect E bdy. of the Maria Santissima del Carmen
land grant, at 12.49 chs. S. 6° 20' E., of the 4 mile
cor. of the M. S. del C. land grant, which is a stone,
firmly set marked and witnessed, as described by the
surveyor general.
Set a granite stone, 24 x 12 x 5 ins., 18 ins. in the
ground, for closing cor. of secs. 10 and 15, marked
C C on E; with 4 grooves on S. and B V G. on W. face;
from which
An oak, 20 ins. in diam. brs. S. 78½° E. 83 lks. diat.,
marked T 24 S R 15 E S 15 B T. No other trees
available; raise a mound of stone 4ft. base, 2ft.
high, E. of cor. Pits impracticable.
Land, broken and mountainous.
Soil, 3rd rate.
Timber, scattering oak and mesquite.
Mountainous land, exceptionally difficult to survey,
to survey 32.18 chs.
Connecting line, exceptionally difficult, 12.49 chs.
October 21, 1908.

October 22; At 7h.15m.a.m. l.m.t., we set off 31° 21' N
on the lat. arc; 10° 59' S on the decl. arc; and determine
a meridian with the solar, at the cor. of secs. 10.11.
14 and 15.

Thence we run
S. 0° 1' E. bet. secs. 14 and 15.
Over mountainous land.

3.15 Descend.
Gulch, 20 lks. wide, course W.
Ascend.

9.00 Ridge, brs. NE and SW.
Descend.

15.00 Gulch, 20 lks. wide, course S. 75° W.
Ascend.

21.50 Ridge, brs. NE and SW.
Descend.

27.30 Gulch, 25 lks. wide, course S. 60° W.

28.50 Gulch, 15 lks. wide, course W.
Ascend.

31.00 Ridge brs. E and W.
Descend.

34.00 Gulch, 30 lks. wide, course W.
Ascend.

40.00 Set a granite stone, 18 x 14 x 6 ins., 12 ins. in the
ground, for ¼ sec. cor., marked ¼ on W. face, from
which
An oak, 12 ins. in diam. brs. N. 72½° E., 136 lks. diat.,
marked ¼ S 14 B T. No other tree available.
Raise a mound of stone ¾ ft. base, 2ft. high, W. of
cor. Pits impracticable.

48.50 Gulch, 25 lks. wide, course SW.
Ascend.

57.00 Ridge, brs. NE and SW.
Descend.

65.00 Gulch, 30 lks. wide, course S. 60° W.

67.70 Gulch, 20 lks. wide, course SW.
Ascend.

70.50 Ridge, brs. NE and SW.
Descend.

74.50 Gulch, 25 lks. wide, course S. 60° W.
Ascend.

77.00 Ridge, brs. E and W.

Subdivisions of T 24 S., R 15 E.

Chains.	
80.75	Descend. Gulch, 15 lks. wide, course N. 75° W.
82.50	Ascend. Intersect International Bdy. line, at 29.70 chs. W. of the Int. bdy. monument No. 116, which is an iron monument, firmly set, marked and witnessed, as described by the surveyor general. Set a granite stone 16 x 10 x 8 ins., 12 ins. in the ground, for closing cor. of secs. 14 and 15, marked with 2 grooves on E; with C C on N. and M E X. on S. face; from which An oak, 24 ins. in diam. brs. N. 73° E., 75 lks. dist., marked T 24 S R 15 E S 14 B T. No other trees available. Raise a mound of stone, 4 ft. base, 2 ft. high, N of cor. Pits impracticable. Land, broken and mountainous. Soil, 3rd rate. Timber, scattering oak and mesquite. Mountainous land, exceptionally difficult to survey, 82.50 chs. Connecting line, exceptionally difficult to survey 29.70 chs.
2.00	S. 0° 2' E. bet. secs. 3 and 4. Over mountainous. land. Ascend very abruptly. Ridge brs. E and W.
7.50	Descend. Gulch, 20 lks. wide, course W.
19.00	Ascend. Ridge, brs. E and W.
24.70	Descend. Gulch, 30 lks. wide, course W.
27.50	Ascend. Ridge, brs. E. and W.
31.30	Descend. Gulch, 20 lks. wide, course N. 60° W.
40.00	Ascend. Set a granite stone, 20 x 12 x 10 x ins., 15 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W face; from which An oak, 14 ins. in diam. brs. S. 47° E., 48 lks. dist., marked $\frac{1}{4}$ S 3 B T. An oak, 10 ins. in diam brs. S. 7 $\frac{1}{2}$ ° W., 78 lks. dist., marked $\frac{1}{4}$ S 4 B T.
52.45	Road, Nogales to Patagonia, brs. E and W.
53.00	Wire fence, brs. E and W.
53.17	Intersect Maria Santisima del Carmen land grant, at 13.95 chs. S. 83° 40' W. of $2\frac{1}{2}$ mile cor. of the M. S. del C. land grant, which is a stone, firmly set, marked and witnessed, as described by the surveyor general. Set a granite stone, 20 x 10 x 6 ins., 15 ins. in the ground, for closing cor. of secs. 3 and 4, marked C C on N; with 3 grooves on E and W., and B V G. on S. face; from which An oak, 12 ins. in diam. brs. N. 19 $\frac{1}{2}$ ° E., 177 lks. dist., marked T 24 S R 15 E S 3 B T. An oak, 10 ins. in diam. brs. N. 14° W., 39 lks. dist., marked T 24 S R 15 E S 4 B T. Land, mountainous. Soil, 2nd and 3rd rate. Timber, oak and mesquite. Mountainous land, exceptionally difficult to survey, to survey 53.17 chs. Connecting line, exceptionally difficult to survey 13.95 chs. October 22, 1908.

Subdivisions of T 24 S., R 15 E.

Chains.

	<p>October 23; At 7h. a.m. l.m.t., we set off $32^{\circ} 23' N$ on the lat. arc; $11^{\circ} 19' S$ on the decl. arc; and determine a meridian with the solar, at the cor. of secs. 4. 5. 32 and 33, on the N. bdy. of the Tp. recently established by us.</p> <p>Thence we run S. $0^{\circ} 2' E$. bet. secs. 4 and 5. Over mountainous. land. Ascend.</p>
9.20	Ridge and road, Nogales to Washington, Camp, brs. E&W.
12.00	Gulch, 30 lks. wide, course W. Ascend.
15.00	Ridge brs. E and W. Descend.
18.00	Gulch, 20 lks. wide, course W. Ascend.
20.50	Ridge, brs. E and W. Descend.
24.50	Gulch, 25 lks. wide, course W. Ascend.
29.00	Ridge, brs. E and W. Descend.
35.10	Gulch, 20 lks. wide, course W.
39.00	Gulch, 25 lks. wide, course W. Ascend.
40.00	Ridge, brs. E and W. Set a granite stone, 24 x 10 x 6 ins., 18 ins. in the ground. for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, from which An oak, 8 ins. in diam. brs. S. $13^{\circ} E$., 78 lks. dist., marked $\frac{1}{4}$ S 4 B T. An oak, 6 ins. in diam. brs. S. $55^{\circ} W$., 18 lks. dist., marked $\frac{1}{4}$ S 5 B T. Descend.
44.00	Gulch. 30 lks. wide, course W. Ascend.
53.00	Old road, brs. E and W.
61.85	Intersect N. Bdy. of the Maria Santisima del Carmen land grant, at 14.53 $S 85^{\circ} 40' W$. of the $1\frac{1}{2}$ mile cor. of the M.S. del C. land grant, which is a stone, firmly set, marked and witnessed, as described by the surveyor general. Set a granite stone, 20 x 10 x 5 ins., 15 ins. in the ground, for closing cor. of secs. 4 and 5, marked C C on N; with 4 grooves on E and 2 grooves on W., and B V G. on S. face. Dig pits, 24 x 18 x 12 ins., crosswise on each line E and W., 3 ft., and N. of stone 7 ft. dist., and raise a mound of earth and stone 4 ft. base, 2 ft. high, N. of stone. Land, mountainous. Soil, 3rd rate. Timber, oak and mesquite. Mountainous land, exceptionally difficult to survey, 61.85 chs. Connecting line, exceptionally difficult, 14.53 chs.
5.50	S. $0^{\circ} 3' E$. bet. secs. 5 and 6. Over mountainous land.
8.22	Road, Nogales to Washington Camp, brs. E and W.
30.00	Wire fence brs E and W. Ascend.
40.00	Ridge, brs. E and W. Set a granite stone, 18 x 8 x 6 ins., 12 ins. in the ground, for. $\frac{1}{4}$ sec. cor. , marked $\frac{1}{4}$ on W. face, from which A mesquite, 12 ins. in diam. brs. S. $58^{\circ} E$., 201 lks. dist., marked $\frac{1}{4}$ S 5 B T.

Subdivisions of T 24 S ., R 15 E.

Chains.

A mesquite, 12 ins. in diam. brs. S. 82°W., 135 lks. dist., marked $\frac{1}{4}$ S 6 B T.

Descend.

47.50 Telephone line, Nogales to Washington Camp, brs. SE and NW.

50.00 Gulch, 30 lks. wide, course N. 60°W.

Ascend.

70.35 Intersect N. Bdy. of the Maria Santisima del Carmen land grant, at 14.55 chs. ^{583°40'W} of the $\frac{1}{2}$ mile cor. of the M. S. del C. land grant, which is a stone, firmly set, marked and witnessed, as described by the surveyor general.

Set a granite stone, 20 x 10 x 8 ins., 15 ins. in the ground, for. closing cor. of secs. 5 and 6, marked C C on N; with 5 grooves on E and 1 groove on W., and B V G. on S face; from which

An oak, 8 ins. in diam. brs. N. 28°E., 163 lks. dist., marked T 24 S R 15 E S 5 B T. No other trees available. Raise a mound of stone, 4 ft. base, 2ft. high, N. of cor. Pits impracticable.

Land, mountainous.

Soil, 2nd and 3rd rate.

Timber, mesquite willow and oak.

Mountainous land, exceptionally difficult to survey, 70.35 chs.

Connecting line, exceptionally difficult to survey, 14.55 chs.

October 23, 1908.

General Discription.

This Township is mostly mountainous land. The soil along the Santa Cruz bottom, in sec. 6 and along the main wash running west, through the northwest part of the township, is fairly good for agricultural purposes and that in the northwest portion can be irrigated from the Santa Cruz river.

The remaining part of the township is rocky, and generally unfit for any use save grazing.

There is a heavy growth of timber in the northeast part Of the township, with scattering oak and mesquite through out the remainder of it.

There is one settler (J.H.Harrison) on sec. 6.

There is no permanent water on the township except that in the Santa Cruz river.

Jacob Jacobs
U. S. Deputy Surveyor

Wickenburg, Arizona; December 30, 1908.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

Subdivisions of T 24 S. R. 15 E

showing the respective capacities in which they acted:

- Jim A. Kellis , Chairman.
- Harvey H. Cook , Chairman.
- Thomas Jacobs , Moundman.
- , Moundman.
- Fred E. Roberts , 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 Subdivisions of

T 24 S. R. 15 E.

..... of the 6th and
Salt River Bas 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

- Jim A. Kellis , Chairman.
- Harvey H. Cook , Chairman.
- Thomas Jacobs , Moundman.
- , Moundman.
- Fred E. Roberts , Axman.
- , Axman.
- , Flagman.

Subscribed and sworn to before me this 24
day of October, 1908 }

Francis Jacobs
Notary Public



My commission expires September 20, 1911

1282

BOOK 2205

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 subdivisions of Township 24 S. Range 15 East

of the Gila and Salt River Base and 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 20th day of February, 1908

~~My commission expires February 15, 1913.~~
SEAL

H. S. LeCompte
Notary Public

APPROVAL. Frank S Ingalls
U. S. SURVEYOR GENERAL & E. A.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Ariz. March 7, 1908.

The foregoing field notes of the survey of the subdivided lines of fractured T. 24 S. R. 15 E. Gila and Salt River Base and Meridian, Arizona

executed by Francis B Jacobs and Daniel J Curry under ^{joint} his contract No. 148, dated Mar. 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.