Book B.
4—679.

Accepted, Dept. letter E. 7/12/07
FEB 18 1907

2104 BOOK 2104

FIELD NOTES

OF THE SURVEY OF

2104 The 2104

Subdivision Lines

of

Township No. 2 North, Range No. 15 East

and

Resurvey Portion of South Boundary

2104

Of the Gila & Salt River Base & Meridian,

In the Territory of Arizona.

AS SURVEYED BY

[illegible] Dietrich, United States Deputy Surveyor,

Under his Contract No. 140, dated May 2, 1906, 189

commenced August 8, 1906, 189

completed August 20, 1906, 189

2104

2104

1A

BOOK 2104

Names and Duties of Assistants.

Charles McCormick, chainman
Charles Durker, chainman
W K Arnold, mounedman
Jas Tweed, axman
Walter Tafel, flagman

6—151

13

BOOK 2104

INDEX DIAGRAM.

Township 7 North, *Range* 15 E.

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

Meanders Page

6—151

1C

BOOK 2104

Preliminary Oaths of Assistants.

WE, Charles McCormick and Charles Durkee 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 Subdivision Lines of T 2 N, R 15 E

Charles McCormick, *Chainman.*

Charles Durkee, *Chainman.*

Subscribed and sworn to before me this 16th day of July, 1906, ~~189~~

SEAL

W. G. Power
Notary Public, Pima County, Arizona Territory.
My Commission Expires Apr. [illegible] 1908.

~~WE~~, I, W. K. Arnold and do solemnly swear that ~~we~~ I will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the survey of the Subdivision Lines of T 2 N, R 15 E.

W. K. Arnold, *Moundman.*

, *Moundman.*

Subscribed and sworn to before me this 16th day of July, 1906, ~~189~~

SEAL

W. G. Power.
Notary Public, Pima County, Arizona Territory.
My Commission Expires Apr. [illegible] 1908.

~~WE~~, I, Jas. Tweed and do solemnly swear that ~~we~~ I will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the survey of the Subdivision Lines of T 2 N, R 15 E

Jas. Tweed, *Axman.*

, *Axman.*

Subscribed and sworn to before me this 16th day of July, 1906, ~~189~~

SEAL

W. G. Power
Notary Public, Pima County, Arizona Territory.
My Commission Expires Apr. [illegible] 1908.

I, Walter Tafel, 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 the Subdivision Lines of T 2 N, R 15 E

Walter Tafel, *Flagman.*

Subscribed and sworn to before me this 16th day of July, 1906, ~~189~~

SEAL

W. G. Power.
Notary Public, Pima County, Arizona Territory.
My Commission Expires April 27th, 1908.

6—151

RESURVEY SOUTH BOUNDARY TP. T. 2 N., R. 15 E.

chains

From information given me by several surveyors in Globe, that the south bdy. of this tp. is defective ¼ in measurement and alignment, I proceed, preliminary to the subdivision of the tp. to resurvey the same.
At the corof of secs. 5 and 32, tps. 1 and 2 N., R. 15 East, latitude 33° 28' N., longitude 110° 49" 11" W., I set off 33° 28' N. on the lat. arc and on the decl. arc, and at 3h. 30m. p.m., l.m.t., August 1, 1906, determine with the solar a meridian and mark a point thereof, on a stone firmly set in the ground, 5 chs. N. of the cor.
At 10 h, 51 m. p.m. by my watch, which is correct, I observe Polaris at eastern elongation, in accordance with the manual of Instructions, and mark a point in the line thus determined, on a pag driven in the ground, 5 chs. N. of my station. August 1, 1906.

August 2: At 6. a.m., l.m.t., I lay off the azimuth of Polaris, 1° 26' to the west, and mark the meridian thus determined, by cutting a small groove in the stone set August 1, 1906, on which the meridian falls 0.4 east of the mark determined by the solar.
At 8h 6m, a.m., l.m.t., I set off 33° 28' N. on the lat. arc, 17° 55' N. on the decl. arc, and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs. N of mt station; this mark falls 0.2 ins. east of the meridian established by the Polaris observation.
The solar apparatus, by p.m. and a.m., observations, defines positions for meridians, respectively about 0' 21" west and 0° 10" east of the meridian established by the Polaris observations; therefore, I conclude that the adjustments of the instrument are satisfactory.
The magnetic bearing of the true meridian, at 8 h. 30 m. a.m., is N. 13° 30' W, the angle thus determined gives the magnetic declination 13° 30' E.

chains

From the ¼ cor. of secs 5 and 32, which is a quartz stone, previously described, on the S. bdy. of Tp. 2 N., R. 15 E., the sec. cor., brs. S. 89° 34' E., therefore I run,
S. 89° 34' E., on the S. bdy. of sec. 32.
Over level land,
.25 Left bank Pinal Creek (dry).

~~Set a trachyte stone, 18 X 12 X 8 ins., 12 ins. in the ground, for meander cor. of fracl. secs. 5 and 32, marked M. C. on E. and 6 grooves on N. and S. faces; dig a pit 36 X 36 X 12 ins., 8 ft. W. of stone, and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor..~~

7.85 Right bank of Pinal Creek.

~~Set a quartz stone, 21 X 12 X 8 ins., 12 ins. in the groundm for meander cor. of fracl. secs. 5 and 32, marked M C on W. face, with 6 grooves on N. and S. faces, and raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor. Pits impracticable.~~

Enter dense brush.
23.00 Nugget Wash, 90 lks. wide, course S.W.
24.60 Road from Globe to Roosevelt, brs. N.N.W. and S.S.E.
27.70 Dry wash, 30 lks. wide, course S.W.
30.05 Road, brs. N. and S.
30.80 Wire fence, brs. N. and S., leave Pinal Crrrk bottom, course N.N.W., enter draw course W.
40.41 Old cor. of secs. 4, 5, 32 and 33, which is a quartzite stone, 8 X 6 X 4 ins. above ground, marked with 2 notches on the W. and 4 notches on the E. edges, with mound of stone scattered. I rebuild mound of stone W. of corr.
Land, level.
Soil, sandy, gravelly and stony; 3rd and 4th rate.
Timber, scattering mesquite, undergrowth, mesquite, tesotilla, hecoha.
Land covered with dense undergrowth, exceptionally difficult to survey, 32.76 chs.

August 2. At noon, I set off 17° 52' N. on the decl. arc and observe the sun on the meridian; the resulting lat. is 33° 28' N.
From the cor. of secs. 4, 5, 32 and 33, ¼ sec. cor., brs. N. 89° 51' E., therefore I run
N. 89° 51' E., on the S. bdy. of sec. 33.
Along S. side of draw, through dense brush.
5.00 Enter gently rolling land.
30.14 Wire fence brs. N. and S.
39.16 Old ¼ sec. cor. od secs. 4 and 33, which is a quartz stone, 10 X 6 X 6 ins. above ground, marked ¼ on N. face, with mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

From the ¼ sec. cor., the sec. cor. b rs. S. 88° 20' E.
Therefore I run,
S. 88° 20' E.
Over gently rolling land.
5.50 Draw, 1.00 chs. wide, course W.S.W.
14.00 Leave dense brush, brs. N.E. and S.W.
[illegible] Telephone line N. 26° 10' W.
[illegible] Old cor. of secs. 3, 4, 33 and 34, which is a porphyry stone, 9 X 6 X 6 ins. above ground, marked with 3 notches on the E. and W. edges, with mound of stone scattered. I rebuild mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
Land, gently rolloin,
Soil, gravelly and stony; 3rd and 4th rate.
Timber, scattering mesquite, undergrowth, mesquite, tesotilla, palo verde and cactus.
Land covered with dense undergrowth, exceptionally difficult to survey, 53.16 chs.

August 2, 1909.

RESURVEY SOUTH BOUNDARY TP. 2 N., R. 15 E.

chains	
	August 3, 1906. At 7 a.m., l.m.t., I set off 17° 40' N. on the decl. arc and 33° 28' N. on the lat. arc and determine a true meridian with the solar at the corn. of secs. 3, 4, 33 and 34 on the S. bdy. of tp. From this cor. the ½ sec. cor. brs. S. 89° 51' E., Therefore I run,
	S. 89° 51' E., on the S. bdy. of sec. 34.
	Over gently rolling land.
29.60	Enter dense brush, brs. N.E. and S.W.
33.20	Dry wash, 25 lks. wide, course S.W.
39.06	Old ½ sec. cor., bet. secs. 3 and 34, a scattered mound of stone. I reestablish cor. at same point as follows: Set a quartzite stone, 16 X 12 X 7 ins., in mound of stone, marked ½ on N. face, and raise a mound of stone 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.
	- -
	From the ½ sec. cor. the sec. cor. brs. S. 89° 9' E. Therefore I run,
	S. 89° 9' E.
	Over gently rolling land.
7.75	Old road brs. N.E. and S.W.
15.85	Dry wash, 40 lks. wide, course S.W.; road in wash, from Globe to Radium Mining Camp, brs. N.E. and S.W.
20.00	Leave dense brush, brs. N.E. and S.W. begin ascent.
41.00	Old cor. of secs. 2, 3, 34 and 35, which is a quartzite stone, 8 X 6 X 6 ins. above ground, marked with 4 notches on the W. and 2 notches on the E. edges, and mound of stone N. of cor.
	Land, gently rolling and mountainous.
	Soil, gravelly, stony and rocky; 3rd and 4th rate.
	Timber, a few mesquite; undergrowth, mesquite, tesotilla, palo christi, palo verde, Spanish bayonet and cactus.
	Mountainous land, or land covered with dense undergrowth, exceptionally difficult to survey, 51.46 chs.
	- -
	From the cor. of secs. 2, 3, 34 and 35, the old ½ sec. cor. brs. N. 89° 27' E., Therefore I run,
	N. 89° 27' E., on the S. bdy. of sec. 35.
	Over mountainous land, ascending.
5.00	Ridge extends N.W. and S.E.; thence along N. slope, throggh dense brush.
15.00	Tunnel brs. N. 9.00 chs. dist.
21.00	Mine works on both sides of line.
22.00	Frame cabin, brs. N. 6.00 chs. dist.
40.74	Old ½ sec. cor. of secs. 2 and 35, which is a scattered mound of stone. I reestablish cor. at same point as follows:
	Set a quartzite stone, 18 X 10 X 8 ins., in mound of stone, marked ½ on N. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable. From this cor. Radium Mining Camp brs. N. about 30 chs. dist.
	- -
	From this ½ sec. cor. the sec. cor. brs. N. 89° E., Therefore I run,
	N. 89° E.
6.30	Cabin, 2.80 chs. S.
8.30	Shaft and hoist, brs. S. 7.50 chs. dist.
11.00	Leave dense brush, extends N. and S.
15.00	Descend N.W. and SE.
19.40	Open cut, brs. N. 5.00chs. dist.
19.90	Dry wash, 15 lks. wide, course N.W.; ascend.
21.30	Tunnel, brs. N. 2.00 chs. dist.
24.00	Tunnel brs. N. 150 lks. dist.
36.00	Spur extends N.E. and S.W.; thence along S. slope of same
38.15	Old cor. of secs. 1, 2, 35 and 36, which is a cross on a porphyrite stone in place, 20 X 18 X 8 ins. above ground, and marked with 5 notches on the W. and 1

chains

notch on the N. edge; with mound of stone W of cor.
Land, mountainous.
Soil, gravelly, stony and rocky; 3rd and 4th rate.
No timber; undergrowth, mesquite, tesotilla, palo christi
palo verde, oak, Spanish bayonet and cactus.
Mountainous land, covered with dense undergrowth, exceptionally difficult to survey, 78.89 chs.

August 3. At noon, I set off 17° 37' N. on the decl. arc and observe the sun on the meridian; the resulting lat. is 33° 38' N.
From the cor. of secs. 1, 2, 35 and 36, the ¼ sec. cor. brs. S. 89° 38' E.,
Therefore I run,
S. 89° 38' E., on the S. bdy. of sec. 36.
Over mountainous land, along top of spur.
4.00 Descend.
4.50 Mine workings brs S. 3.00 chs. dist.
13.00 Dry wash 15 lks. wide, course S.W.; ascend.
25.00 Spur extends N.W. from Mt. Ramboz; enter dense brush; descend.
37.50 Dry wash, 15 lks. wide, course N.W.; ascend.
40.13 Old ¼ cor. of secs. 1, and 36, which is a scattered mound of stone. I reestablish cor. at same point, as follows:
Set a porphyry stone, 16 X 12 X 10 ins., in mound of stone, for ¼ sec. cor., marked ¼ on N. face, and raise a mound of stone 3 ft. base, 1½ ft. high, and a mound of stone 1 ft. base, ½ ft. high, S. of cor. impracticable.

From ¼ cor. the tp. cor. brs. S. 89° 37' E.
Therefore I run,
S. 89° 37' E.
3.50 Top of Mt. Ramboz, brs. S. 15 chs. dist.; leave dense brush, extends N. and S.
8.00 Spur, extends N.; descend.
17.00 Dry wash, 10 lks. wide, course N.E.; reenter dense brush; thence over gently rolling land.
35.00 Along S. slope of ridge.
42.41 Old cor. of tps. 1 and 2 N., Rs., 15 East; which is a quartzite stone, 8 X 6 X 8 ins. above ground, marked with 6 notches on each edge, with raise a mound of stone S. of cor.
Land, mountainous and rolling.
Soil, gravelly, stony and rocky; 3rd and 4th rate.
No timber, undergrowth, oak, palo christi, mesquite, tesotilla, palo verde, Spanish bayonet and cactus.
Mountainous land, or land covered with dense undergrowth, exceptionally difficult to survey 82.56 chs.

August 5, 1908.

Sectional Correction line, T. 2 N., R. 15 E.

chains

Owing to the defective south bdy. of this tp. I find it necessary to run a sectional correction line.
I begin at the cor. of secs. 25, 30, 31 and 36, on the West bdy. of the tp, as heretofore described.
At 10 h 43 m, p.m., by my watch, which is correct, I observe Polaris at eastern elongation, in accordance with the Manual of Instructions, and mark a point in the line thus determined, on a peg driven in the ground, 5 chs. N. of my station.

August 3, 1906.

- -

August 4: At 6 a. m. l.m.t., I lay off the azimuth of Polaris 1° 26' to the west, and mark the meridian thus determined, by cutting a small groove in the stone set August 3, 1906, on which the meridian falls 0.3 ins east of the mark determined by the solar.
At 8 h 6 m a.m., l.m.t., I set off 33° 29' N. on the lat. arc, and 17°24' N. on the decl. arc, and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs. N. of my station; this mark 0.2 ins. east of the meridian estqblished by the Polaris observation.
The solar apparatus, by p.m. and a.m. observations, defines positions for meridians, respectively about 0' 11" west and 0° 10" east of the meridian established by the Polaris observations; therefore, I conclude that the adjustments of the instrument are satisfactory.
The magnetic bearing of the true meridian, at 8 h. 30 m. a.m., is N. 13° 30' W., the angle thus determined gives the magnetic declination 13° 30' E.

- -

Thence I run,
East on a random line along the correction sectional line, setting temp. ¼ sec. and sec. cors. at intervals of 40.00 chs. and, at 480.55 chs. intersect the East bdy. of the tp. 72 lks. N. of cor. of secs. 25, 30, 31 and 36. The following answers to a correction of 0° 5' or 12 lks. N. and [illegible] L. per mile, counting from cor. of secs. 25, 36, 31 and 36, on the E. bdy. of the township, therefore I run
N. 89° 55' W., bet. secs. 25 and 36.
Over mountainous land, ascending.

5.70 Ridge, extends N.E. and S.W.; descend along S. slope of spur. extending W.

39.20 Set a quartzite stone, 18 X 10 X 8 ins. in mound of stone, marked W C ¼ on N. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.

40.00 The ¼ sec. cor. falls on N. bank of gulch, course W..

43.00 Enter dense mesquite and tesotilla brush extends NW. and S.E.

44.70 Gulch, 30 lks. wide, course N.W.; enter broken ground.

61.20 Gulch, 20 lks. wide, course N.; ascend.

65.00 Leave dense brush, extends N.E. and S.W.

70.70 Ridge, extends N. and S.; reenter dense brush; descend.

80.00 Set a quartz stone, 18 X 10 X 6 ins. in mound of stone, for cor. of secs. 25, 26, 35 and 36, marked with 1 notch on the E. and S. faces, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
Land, mountainous and broken.
Soil, gravelly and stony; 3rd and 4th rate.
Timber, a few mesquite; undergrowth, mesquite, tesotilla, palo christi, Spanish bayonet and cactus.
Mountainous land, or land covered with dense undergrowth, exceptionally difficult totsurvey, 80.00 chs.

- -

From cor. of secs. 25, 26, 35 and 36, on the sectional correction line, bearing to U. S. Mineral Monument No. 2 is E. 59° 13' N., [illegible] ft. or [illegible] chs.

Sectional Correction Line T. 2 N., R. 15 E.

chains	
	August 4: At noon, I set off 17° 21' N. on the decl. arc and observe the sun on the meridian; the resulting lat. is 33° 29' N.
	N. 89° 55' W., bet. secs. 26 and 35.
	Over rolling land, descending through dense brush.
35.60	Gulch, 15 lks. wide, course S.S.W.; ascend.
40.00	Set a porphyry stone, 16 X 10 X 8 ins., in mound of stone, for ¼ sec. cor., marked ¼ on N. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.
	Leave dense brush, extends N.E. and S.W.
48.00	Ridge extends N. and S.; descend.
50.70	Reenter dense brush, extends N.W. and S.E.
64.00	Foot brs. N. and S.; reenter broken ground.
77.00	Tunnel, brs. E.60 lks.; dist.
80.00	Set a diarite stone, 18 X 8 X 8 ins. in mound of stone, for the cor. of secs. 26, 27, 34 and 35, marked with 2 notches on the E. and 1 notch on the S. edges, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
	Land, rolling, mountainous and broken.
	Soil, gravelly and stony; 3rd and 4th rate.
	Timber, scattering mesquite; undergrowth, mesquite, tesotilla, palo christi, Spanish bayonet and cactus.
	Mountainous land, or land covered with dense undergrowth, exceptionally difficult to survey, 80.00 chs.
	August 4, 1906.
	August 5: At 7 a.m., l.m.t., I set off 17° 8' N. on the decl. arc and 33° 29' N. on the latl. arc and determine a true meridian with the solar at the cor. of secs. 26, 27, 34 and 35.
	Thence I run,
	N. 89° 55' W. bet. secs. 27 and 34.
	Over broken ground, through dense palo christi brush.
5.80	Dry wash, 40 lks. wide, course N.W.
17.00	Small ridge, extends N.E. and S.W; descend.
27.00	Gulch, 20 lks. wide, course N.W.; enter gently rolling land.
28.60	Tent, brs. S. 70 lks. dist.
30.60	Shaft, brs. N. 2.60 chs. dist.
32.30	Road brs. N.W. and S.E.
40.00	Set a porphyry stone, 21 X 7 X 5 ins., 16 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
59.25	Draw, 2.00 chs. wide, course S.W.
59.40	Road, brs. N.E. and S.W.
65.70	Enter nugget wash, course S.W.
71.00	Leave wash and dense brush.
80.00	Set a quartzite stone, 18 X 10 X 6 ins., in mound of stone, for the cor. of secs. 27, 28, 33 and 34, marked with 3 notches on the E. and 1 notch on the S. edges, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
	Land, gently rolling. and broken
	Soil, gravelly and stony; 3rd and 4th rate.
	Timber, a few mesquite in washes; undergrowth, mesquite, tesotilla, oak, palo christi, Spanish bayonet and cactus.
	Land covered with dense undergrowth, exceptionally difficult to survey 71.00 chs.
	August 5: At noon, I set off 17° 5' N. on the decl. arc and observe the sun on the meridian; the resulting lat. is 33° 29' N.
	N. 89° 55' W., bet. secs. 28 and 33.
	Over gently rolling land.
16.40	Road brs. N.E. and S.W.
32.40	Dry wash, 15 lks. wide, course S.W.; thence W.
40.00	Set a porphyry stone, 18 X 8 X 6 ins., in mound of stone,

Sectional Correction Line, Tp. 2 N. R. 15 E.

chains	
	for ¼ sec. cor. marked ¼ on N. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.
44.90	Telephone line, brs. N.N.W. and S.S.E.; descend.
54.00	Draw, 80 lks. wide, course W.S.W.; ascend.
65.00	Sharp ridge extends W.S.W. and E.N.E.; descend through dense brush.
79.00	Enter draw, course W.S.W.
80.00	Set a quartzite stone, 18 X 10 X 6 ins., in mound of stone, for cor. of secs. 28, 29, 32 and 33, marked with 4 notches on the E. and 2 notches on the S. edge, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
	Land, rolling.
	Soil, gravelly and stony; 3rd and 4th rate.
	No timber; undergrowth, tesotilla, oak, mesquite, palo christi and cactus.
	Land covered with dense undergrowth, exceptionally difficult to survey, 15.00 chs.
	- - - - - - - - - - - - - - - - - August 6, 1906. - - -
	August 6: At 7 a.m., l.m.t., I set off 18° 32' N. on the decl. arc and 33° 29' N. on the lat. arc and determine a true meridian with the solar at the cor. of secs. 28, 29, 32 and 33.
	Thence I run,
	N. 89° 55' W., bet. secs. 29 and 32.
	In draw, through dense mesquite and tesotilla brush.
22.00	Enter Pinal Creek bottom, brs. N. and S.
24.00	Alfred Abernethy's ranch and outbuildings brs. S. about 25 chs. dist.
32.90	Right bank of Pinal Creek, brs. N. and S.
	~~Set a trachyte stone, 18 X 12 X 10 ins., in mound of stone for meander cor. of fracl. secs. 29 and 32 amrked M C on W. face, with 1 groove on the S. faces and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of stone.~~
36.40	Left bank of Pinal Creek, brs. N.N.E. and S.S.W.
	~~Set a syenite stone, 18 X 10 X 6, in mound of stone, for meander cor. of fracl. secs. 29 and 32, marked M C on E. face, with one groove on the S. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, E. of stone.~~
39.05	Road from Globe to Roosevelt brs. N. and S.
40.00	Set a quartzite stone, 18 X 12 X 10 ins., in the ground, for ¼ sec. cor., marked ¼ on N. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, N of cor. Pits impracticable.
41.20	Well, brs. S. 115 lks. dist.
42.60	Road, brs. N.N.W. and S.S.E.; leave bottom and dense brush, brs. N. and S. Enter rolling land.
53.00	Enter draw, course S.E.
58.00	Dry wash, 20 lks. wide, course N.E.; leave draw ascend.
80.00	Set a porphyry stone, 18 X 10 X 6 ins., in mound of stone, for cor. of secs. 29, 30, 31 and 32, marked with 5 notches on the E. and 1 notch on the S. edges, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
	Land, level and rolling.
	Soil, alluvial, sandy loam, sandy and gravelly; 1st, 2nd and 3rd rate.
	Timber, scattering mesquitel undergrowth, mesquite, tesotilla, hecota,
	Land covered with dense undergrowth, 42.60 chs.
	- -

Sectional Correction Line. Tp. 2 N., R. 15 E.

chains August 6, At noon, I set off 16° 49' N. on the decl. arc and observe the sun on the meridian; the resulting lat. is 33° 29' N.
N. 89° 55' W., bet. secs. 30 and 31.
Over mountainous land, ascending through dense oak brush.
3.25 Spur, extends N.E., descend.
7.35 Gulch, 20 lks. wide, course N.N.E., leave dense brush, ascend.
16.00 Spur, extends N1E., descend.
21.70 Gulch, 15 lks. wide, course N.E.; ascend.
25.10 Spur, extends N.E., descend.
35.00 Gulch, 15 lks. wide, course N., thence E., ascend over boulders.
40.00 Point for ¼ sec. cor. falls on trachyte boulder, 10 X 6 X 4 ft. above ground, which I mark with a cross (x) for exact ¼ sec. cor. point and ¼ N. of cross, and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.
50.00 Rocky spur, extends N., enter dense brush; descend.
52.45 Gulch, 10 lks. wide, course N., leave boulders, ascend.
56.15 Spur, extends north, descend.
59.70 Gulch, 15 lks. wide, course N., ascend.
69.00 Ridge, 1500 ft. above Pinal Creek, descend. W+S
80.55 The cor. of secs. 25, 30, 31 and 36.
Land mountainous.
Soil, gravelly, stony and rocky; 3rd and 4th rate.
Timber, scattering cedar, undergrowth, mesquite, tesotilla, oak, palo christi, johava, Spanish bayonet and cactus.
Mountainous land, or land covered with dense undergrowth, exceptionally difficult to survey, 80.55 chs.
August 6, 1906.

SUBDIVISION OF TP. 2 N., R. 15 E.

August 7, 1906, at 7 a.m., I set off 16° 36' N. on the decl. arc and 33° 29' N. on the lat. arc and determine a true meridian with the solar at the cor. of secs. 25, 26, 35 and 36, on the sectional correction line.
Thence I run
N. 0° 1' W., bet. secs. 25 and 26.
Over mountainous land, ascending.
18.00 Top of W. slope of ridge, descend.
19.17 Set a quartzite stone, 20 X 10 X 8 ins., 10 ins. in the ground, for closing cor. at intersection of Silver Joe Lode, marked C C on S. face, and 463 on N. face, with mound of stone 3 ft. base, 2½ ft. high, S. of cor. Cor. No. 4 of Silver Joe lode brs. S. 77° 25' E., 2.71 chs. dist., and Cor. No. 3 brs. N. 77° 25' W., 20.01 chs. dist.
Thence I run, on a blank line N. 9.23 chs.
28.40 Set a quartzite stone, 30 X 12 X 10 ins., set 15 ins. in the ground, marked 463 on S. face, and C C on N. face, and mound of stone, 3 ft. base, 2½ ft. high, N. of cor.; Cor. No. 1 of Silver Joe Lode brs. S. 77° 25' E., 3.28 chs. dist., and Cor. No. 2, brs. N. 77° 25' W., 19.44 chs. dist.
Thence I run, N. 0° 1' E.,
40.00 Point for ¼ sec. cor. falls in dry wash, 140 lks. wide, course W., ascend.
40.20 Set a porphyry stone, 18 X 10 X 6 ins., 12 ins., in the ground, for witness cor. to ¼ sec. cor., marked ¼ on W. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
48.00 Ridge, extends E. and W., descend.
55.20 Gulch, 40 lks. wide, course S.W., begin ascent along S.W. slope of spur.
71.00 Top of spur, extends S.W.; descend through dense oak and palo christi brush.
80.00 Set a porphyry stone, 18 X 10 X 8 ins., 12 ins. in the ground, for cor. of secs. 23, 24, 25 and 26, marked with 1 notch on the East and 2 notches on the S. edge and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
Land mountainous.
Soil, gravelly and stony, 3rd and 4th rate.

chains	Timber, a few mesquite, undergrowth, mesquite, tesotilla, palo christi, Spanish bayonet and cactus.
	Mountainous land, or land covered with dense undergrowth, exceptionally difficult to survey, 80.00 chs.
	- -
	S. 89° 55' E' on a random line bet. secs. 24 and 25.
40.00	Set temp. ¼ sec. cor.
80.04	Intersect the E. bdy of Tp. at a point 2 lks. S. of cor. of secs. 25,30,31 and 36, which is a granite stone in place, previously described.
	Thence I run,
	N. 89° 56' W., on a true line bet. secs. 24 and 25.
	Over mountainous land, descending.
39.00	Set a porphyry stone, 16 X 14 X 10 ins., in mound of stone, for witness cor to ¼ sec. cor., marked W C ¼ on N. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.
40.02	Point for ¼ sec. cor. falls in gulch 25 lks. wide, course S.W., ascend.
54.00	Spur, extends S.S.W.; descend.
61.40	Gulch, 15 lks. wide, course S.W., ascend.
69.30	Spur, extends S.W., descend.
74.00	Enter dense brush, extends N.E. and S.W.
80.04	The cor. of secs. 23, 24, 25 and 26.
	Land, mountainous.
	Soil, gravelly, stony and rocky; 3rd and 4th rate.
	No timber; undergrowth, mesquite, tesotilla, oak, palo christi, mescal, Spanish bayonet and cactus.
	Mountainous land, and land covered with dense undergrowth, exceptionally difficult to survey, 80.04 chs.
	- -
	August 7, At noon, I set off 16° 32' N. on the decl. arc and observe the sun on the meridian; the resulting lat. is 33° 30' N.
	N. 0° 1' W., bet. secs. 23 and 24.
	Over mountainous land, descending.
.70	Gulch, 20 lks. wide, course S.W.; ascend.
12.00	Ridge, extends W. and E., begin steep descent, through dense brush.
24.00	Foot of steep descent.
25.75	Spring in S. bank of wash, 3.00 chs. west, course W.
26.00	Brick chimney, brs. W. 3.00 chs. dist.
28.20	Nugget Wash, 60 lks. wide, course W., leave dense brush. Ascend.
30.65	Road, brs. E. and W.
36.00	Ridge, extends E. and W., descend.
40.00	Set a quartzite stone, 18 X 7 X 6 ins., 12 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
46.00	Gulch, 130 lks. wide, course S.W., descend.
60.40	Spur, extends S.W., descend.
72.00	Head of gulch, course S.W., ascend.
78.00	Ridge, extends N.E., descend.
80.00	Set a porphyry stone, 18 X 8 X 6 ins., 12 ins. in the ground, for the cor. of secs. 13, 14, 23 and 24, marked with 3 notches on the S., and 1 notch on the E. edges, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
	Land. mountainous.
	Soil, gravelly and stony, 3rd and 4th rate.
	Timber, cottonwood, walnut, hackberry and ash, along wash.
	Undergrowth, mesquite, tesotilla, palo christi, oak, Spanish bayonet and cactus.
	Mountainous land, or land covered with dense undergrowth, exceptionally difficult to survey, 80.00 chs.
	August 7, 1906.
	- -

Subdivision of Tp. 2 N., R. 15 E.

chains	
	August 8, 1906: At 7 a.m.l.m.t., I set off 16° 19' N. on the decl. arc and 33° 30' N. on the lat. arc and determine a true meridian with the solar at the cor. of secs. 13, 14, 23 and 24.
	Thence I run,
	S. 89° 56' E. on a random line bet. secs. 13 and 24.
40.00	Set temp. ¼ secs. cor.
79.96	Intersect the E. bdy. of Tp. at a point 2 lks. N. of cor. of secs. 13, 18, 19 and 24, which is a quartz stone previously described.
	Thence I run,
	N. 89° 55' W. on a true line bet. secs. 13 and 24.
	Over mountainous land, descending.
4.00	Nugget wash, 80 lks. wide, course S.W.; ascend.
5.40	Road, brs. N.E. and S.W.
11.50	Ridge, extends S.W. and N.E.; descend.
15.00	Rocky gulch, 25 lks. wide, course S., ascend.
25.50	Stockade corral, brs. S. 14 chs. dist.
27.00	Shaft brs. S. 12 lks. dist.
32.00	Ridge, extends NE. and SW., descend,
39.98	Set a quartzite stone, 18 X 10 X 8 ins., 12 ins. in the ground for ¼ sec. cor., marked ¼ on N. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, N of cor. Pits impracticable.
55.70	Gulch, 20 lks. wide, course S., ascend.
73.70	Ridge, extends N.E. and S.W.; descend.
79.96	The cor. of secs. 13, 14, 23 and 24.
	Land, mountainous.
	Soil, gravelly, stony and rocky; 3rd and 4th rate.
	No timber, undergrowth, mesquite, tesotilla, palo christi and cactus.
	Mountainous land, exceptionally difficult to survey, 79.96 chs.
	- -
	N. 0° 1' W., bet. secs. 13 and 14.
	Over mountainous land, descending along W. slope of ridge.
18.70	Gulch, 20 lks. wide, course S.W.; ascend.
33.85	Ridge, extends N.E.; descend.
38.00	Old roadm brs. N.E. and S.W.
40.00	Set a porphyry stone, 18 X 8 X 6 ins., 12 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
51.35	Draw, 80 lks. wide, course S.W.; ascend.
62.30	Ridge, extends N.E. and S.W.; descend.
72.30	Gulch, 20 lks. wide, course W., ascend.
75.00	Ridge, extend E. and W., descend.
80.00	Set a porphyry stone, 18 X 8 X 5 ins., 12 ins. in the ground, for the cor. of secs. 11, 12, 13 and 14, marked with 4 notches on the S. and 1 notch on the E. edge, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
	Land, mountainous.
	Soil, gravelly and stony; 3rd and 4th rate.
	Timber, a few cedar; undergrowth, mesquite, tesotilla, palo christi, johava, Spanish bayonet and cactus.
	Mountainous land, covered with dense undergrowth, exceptionally difficult to survey, 80.00 chs.
	August 8: At noon, I set off 16° 18' N. on the decl. arc and observe the sun on the meridian; the resulting lat. is 33° 31' N.
	- -
	S. 89° 55' E. on a random line bet. secs. 12 and 13.
40.00	Set temp. ¼ sec. cor.
79.98	Intersect the E. bdy. of tp. at a point [illegible] of cor. of secs. 7, 12, 13 and 18.
	Thence I run,
	N. 89° 55' W. on a true line bet. secs. 12 and 13.
	Descending over broken ground, through dense brush.
.40	Gulch, 20 lks. wide, course W.N.W.

chains	
15.00	Same gulch, 20 lks. wide, course W.S.W. Enter gently rolling land.
39.99	Set a porphyry stone, 18 X 8 X 6 ins., 12 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face, and raise a mound of stone, 2 ft. base, 1½ f. high, N. of cor. Pits impracticable.
	Ascend.
46.00	Top of ridge, extends E. and W.
50.00	Shack and corral brs. N. about 20 chs. dist.
64.00	Begin desc nt from top of ridge.
79.98	The cor. of secs. 11, 12, 13 and 14.
	Land, mountainous, gently rolling and broken,
	Soil, gravelly and stony; 3rd and 4th rate.
	Timber, scattering pinon; undergrowth, mesquite, tesotilla, laurel and cactus.
	Mountainous, or land covered with dense undergrowth, exceptionally difficult to survey, 79.98 chs.
	August 8, 1906.
	- -
	August 10, 1906. At 7 a.m., l.m.t., I set off 15° 03' N. on the decl. arc and 33° 29' N. on the lat. arc and determine a true meridian with the solar at the cor. of secs. 26, 27, 34 and 35.
	Thence I run,
	N. 0° 1' W., bet. secs. 26 and 27.
	Descending through dense mesquite and palo christi brush.
3.00	Dry wash, 40 lks. wide, course W., leave dense brush; ascend.
18.30	Ridge, extends N.E. and S.W.; descend.
40.00	Set a granitic porphyry stone, 18 X 12 X 7 ins., 12 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
48.60	Draw, 140 lks. wide, course S.W.; road in draw, brs. N.E. and S.W. enter dense tesotilla nd mesquite brush; ascend.
58.00	Wag (Old Copeland) mining camp brs. E. 8 chs. dist.
59.00	Copeland mine (silver) brs. E. 10 chs. dist.
64.70	Shaft, brs. E. 1.00 chs. dist., lea e dense brush, extends N.E. and S.W.
73.00	Top of Sec. extend of ridge, descend.
80.00	Set a quartzite stone, 18 X 12 X 5 ins., 12 ins. in the ground, for cor. of secs. 22, 23, 26 and 27, marked with 2 notches on the S. and E. edges, and raise a mound of stone, 2 ft. ba e, 1½ ft. high, W. of cor. Pits impracticable.
	Land, mountainous.
	Soil, gravelly and stony; 3rd and 4th rate.
	Timber, a few mesquite in gulches; undergrowth, tesotilla, mesquite, palo christi, Spanish bayonet and cactus.
	Mountainous land, or land covered with dense undergrowth, exceptionally difficult to survey, 80.00 chs.
	- -
	S. 89° 55' E. on a random line bet. secs. 23 and 26.
40.00	Set temp. ¼ sec. cor.
79.25	Intersect the N. and S. line, 7 lks. S. of cor. of secs. 23, 24, 25 and 26.
	Thence I run,
	N. 89° 58' W., on a true line bet. secs. 23 and 26.
	Over mountainous land, descending.
.80	Gulch, 30 lks. wide, course S.W.; ascend.
7.00	Spur, extends S., descend.
13.70	Gulch, 10 lks. wide, course S.W.; ascend.
22.00	Ridge, extends N.E. and S.W.; descend steep grade.
34.00	Enter dense mesquite and tesotilla brush.
37.00	Foot of steep descent, brs. N. and S., thence over gently rolling land.
39.975	Set a quartzite stone, 18 X 12 X 10 ins., in mound of stone, for ¼ sec. cor., marked ¼ on N. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.
41.00	Enter workings o f the old Mexican Mine.
42.70	Draw, 45 lks. wide, course S.W.

Subdivision of Tp. 2 N., R. 15 E.

chains	
44.50	Main shaft of mine brs. S. 90 lks. dist.
48.00	Leave workings; ascend.
54.60	Shaft, brs. N. 130 lks. dist.
56.00	Ridge, extends N.E. and S.W.; descend.
57.70	Shaft, brs. S. 2.00 chs. dist., leave dense brush, extends N. and S.
58.50	Shaft, brs. S. 150 lks. dist.
59.60	Gulch, 20 lks. wide, course S.W.; ascend.
61.60	Shaft, brs. N. 50 lks. dist.
62.00	Shaft, brs. N. 4.00 chs. dist.
65.70	Shaft, brs. N. 2.00 chs. dist.
70.00	Spur, extends S.W.; descend.
79.95	The cor. of secs. 22, 23, 26 and 27.
	Land, mountainous, and gently rolling.
	Soil, gravelly and stony; 3rd and 4th rate.
	Timber, scattering mesquite; undergrowth, mesquite, tesotilla, johava, Spanish bayonet and cactus.
	Mountainous land, or land covered with dense undergrowth, exceptionally difficult to survey, 79.95 chs.
	August 10, 1906. At noon, I set off 15° 51' N. on the decl. arc and observe the sun on the meridian; the resulting lat. is 33° 30' N.
	- -
	N. 0° 1' W., bet secs. 22 and 23.
	Over mountainous land, descending.
9.00	Enter dense brush, ext nds N.E. and S.W.
12.80	Nugget wash, brs. S.W., 1.00 chs. wide., ascend.
17.45	Road, brs. E. and W., leave dense brush.
36.20	Ridge, extends E. and W., descend.
40.00	Set a synite stone, 24 X 10 X 6 ins., in mound of stone, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high. W. of cor. Pits impracticable.
[illegible]	Reenter dense brush, extends N.E. and S.W.
[illegible]	Draw, 140 lks. widem course S.W., thence W., ascend.
[illegible]	Ridge, extends N.E. and S.W.; leave dense brush, descend.
80.00	Set a synite stone, 21 X 8 X 5 ins., in mound of stone, for cor. of secs. 14, 15, 22 and 23, marked with 3 notches on the S. and 2 notches on the E. edges, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
	Land, mountainous.
	Soil, gravelly and stony; 3rd and 4th rate.
	No timber, undergrowth, mesquite, tesotilla, palo christi, johava, oak, Spanish bayonet and cactus.
	Mountainous land, or landcovered with dense undergrowth, exceptionally difficult to survey, 80.00 chs.
	August 9, 1906.
	- -
	August 10, 1906, At 7 a.m., I set off 15° 14' N. on the decl. arc and 33° 30' N. on the lat. arc, and determine a true meridian with the solar at the cor. of secs. 14, 15, 22 and 23.
	Thence I run,
	S. 89° 58' E. on a random line bet. secs. 14 and 23.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.90	Intersect the N. and S. line 5 lks. S. of cor. of secs. 13, 14, 23 and 24.
	Thence I run,
	West, on a true line bet. secs. 14 and 23.
	Over mountainous land, descending through oak brush.
16.70	Gulch, 20 lks. wide, course S.W.; ascend.
34.00	Ridge, extends N.E. and S.W.; old road brs. N.E. and S.W.; descend.
39.95	Set a quartzite stone, 18 X 8X 6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
51.70	Enter dense brush, extends N.E. and S.W.
56.30	Enter draw, course S.W.

chains	
60.50	Leave draw and dense brush; ascend.
70.00	Ridge, extends N.E.; descend.
79.90	The cor. of secs. 14, 15, 22 and 23.
	Land, mountainous.
	Soil, gravelly, and stony; 3rd and 4th rate.
	Timber, a few mesquite in draw; undergrowth, mesquite, tesetilla, oak, Spanish bayonet and cactus.
	Mountainous land, or land covered with dense undergrowth, exceptionally difficult to survey, 79.90 chs.
	- -
	N. 0° 1' W., bet. secs. 14 and 15.
	Over mountainous land,; descending.
.90	Drawn 40 lks. wide, course S.W.; ascend.
8.00	Ridge, extends N.E.; descend.
15.30	Gulch, 20 lks. wide, course W., ascend.
19.00	Ridge, extends E. and W., descend.
23.00	Enter dense brush, extends N.E. and S.W.
25.00	Gulch, 140 lks. wide, course W., ascend.
34.00	Leave dense brush, ext nds N.E. and S.W.
40.00	Set a porphyry stone, 18 X 10 X 8 ins., in mound of stone for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
42.70	Ridge, extends E. and W.; descend through dense oak brush
51.30	Enter dry wash, course W.
53.00	Road, brs. E.N.E. and W.S.W.
55.70	Leave wash and dense brush; ascend.
70.00	Top of ascent; extends N.E. and S.W.; descend along W. slope of ridge.
80.00	Set a porphyry stone, 18 X 8 X 6 ins., in mound of stone, for cor. of secs. 10, 11, 14 and 15, marked with 2 notches on the E. and 4 notches on the S. edges, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil, gravelly and stony; 3rd and 4th rate.
	Timber, scattering mesquite; undergrowth, mesquite, oak, tesetilla, Spanish bayonet and cactus.
	Mountainous land, or alnd covered with dense undergrowth, exceptionally difficult to survey, 80.00 chs.
	At this point I abandon the line north.
	August 10, At noon, I set off 15° 21' N. on the decl. arc and observe the sun on the meridian; the resulting lat. is 33° 31' N.
	- -
	East on a random line bet. secs. 11 and 14.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.94	Intersect the N. and S. line 7 lks. N. of cor. of secs. 11, 12, 13 and 14.
	Thence I run,
	N. 89° 57' W. on a true line be . secs. 11 and 14.
	Over mountainous land, descending.
5.00	Wash, with small running stream, course S.W.; road in wash, ascend.
39.97	Set a porphyry stone, 18 X 8 X 6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, Pits impracticable.
42.20	Ridge, extends N.E. and S.W.; descend.
55.30	Gulch, 60 lks. wide, course S.S.W.; ascend.
79.94	The cor. of secs. 10, 11, 14 and 15.
	Land, mountainous.
	Soil, gravelly and stony; 3rd and 4th rate.
	No timber; undergrowth, mesquite, tesetilla, palo christ oak, Spanish bayonet and cactus.
	Mountainous land, covered with dense undergrowth, exceptionally difficult to survey, 79.94 chs.
	August 10, 1906.
	- -
	August 12, At [illegible] a.m., [illegible], I set off 15° 27' N. on the decl. arc and 33° [illegible] N. on the lat. arc and

Subdivision of Tp. 2 N., R. 15 E.

chains	
	determine a true meridian with the solar at the
	cor. of secs. 27, 28, 33 and 34 on the sectional
	Correction Line.
	Thence I run,
	S. 0° 2' E., on a true line bet. secs. 33 and 34.
	Over gently rolling land, through dense tesotilla brush.
23.35	Enter Nugget Wash, course W.,
24.65	Road, brs. E. and W.
29.30	Leave wash.
31.75	Leave dense brush, extends E. and W.
33.70	Gulch, 15 lks. wide, course W.
40.00	Set a porphyry stone, 18 X 8 X 5 ins., in mound of stone,
	for ¼ sec. cor. marked ¼ on W. face, and raise a mound
	of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits
	impracticable.
40.25	Draw, 140 lks. wide, course W.
80.55	Intersect the S. bdy. 166 lks. S. 89° 57' E. of cor. of secs. 3,
	4, 33 and 34.
	Set a quartzite stone, 18 X 10 X 5 ins., in mound of
	stone, for closing cor. of secs. 33 and 34, marked
	C C on N., with 3 grooves on E. and W. faces.; and
	raise a mound of stone, 2 ft. base, 1½ ft. high, N. of
	cor. Pits impracticable.
	Land, gently rolling.
	Soil, sandy, gravelly and stony; 3rd and 4th rate.
	Timber, a few cedar and mesquite; undergrowth, tesotilla,
	mesquite, oak, Spanish bayonet and cactus.
	Land covered with dense undergrowth, exceptionally
	difficult to survey 31.75 chs.
	- -
	From the cor. of secs. 27, 28, 33 and 34 on the Sectional
	Correction Line I run
	N. 0° 2' W., bet. secs. 27 and 28.
	Over gently rolling land, through tesotilla brush.
18.75	Road, brs. N.E. and S.W.
40.00	Set a quartzite stone, 16 X 10 X 8 ins., 11 ins. in the
	ground, for ¼ sec. cor., marked ¼ on W. face, and raise
	a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
41.50	Begin descent; brs. W.S.W. and E.N.E.
55.20	Gulch, 25 lks. wide, course S.W.; ascend.
57.40	Ridge, bears S.W. and N.E.
64.05	Descend.
78.30	Gulch, 40 lks. wide, course S.W.; ascend.
80.00	Set a quartzite stone, 18 X 12 X 12 ins., in mound of
	stone, for cor. of secs. 21, 22, 27 and 28, marked with
	2 notches on the S. and 3 notches on the E. edges, and
	raise a mound of stone, 2 ft. base, 1½ ft. high, W. of
	cor. Pits impracticable.
	Land, gently rolling and mountainous.
	Soil, gravelly and stony; 3rd and 4th rate.
	No timber; undergrowth, tesotilla, mesquite, Spanish
	bayonet and cactus.
	Mountainous land, exceptionally difficult to surfey
	38.70 chs.
	- -
	S. 89° 55' E. on a random line bet. secs. 22 and 27.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line 7 lks. S. of cor. of secs.
	22, 23, 26 and 27.
	Thence I run,
	N. 89° 58' W. on a true line bet. secs. 22 and 27.
	Over mountainous land, descending through dense mesquite
	and palo christi brush.
6.10	Shack brs. S. 1.00 chs. dist.
15.40	Frame shack brs. S. 50 lks. dist.
15.60	Tent, brs. S. 70 lks. dist.

Subdivision of Tp. 2 N., R. 15 E.

chains	
16.70	Dry well brs. S. 80 lks. dist.
17.50	Log corral brs. S. 80 lks. dist.
19.80	Nugget wash, brs. S.W. 1.00 chs. dist., leave dense brush and begin gradual ascend over groung sloping S.
40.00	Point for ¼ sec. cor. falls in road bearing E.N.E.
40.20	Set a syenite stone, 18 X 10 X 8 ins., 12 ins. in the ground, for the ¼ sec. cor., marked ¼ on N. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, N of cor. Pits impracticable.
65.00	Descend through dense oak brush.
79.30	Gulch, 40 lks. wide, course S.W.
80.00	The cor. of secs. 21, 22, 27 and 28.
	Land, gently rolling.
	Soil, gravelly and stony; 3rd and 4th rate.
	Timber, a few mesquite in wash; undergrowth, oak, mesquite, tesotilla, palo christi, Spanish bayonet and cactus.
	Mountainous land, or land covered with dense undergrowth, exceptionally difficult to survey, 34.80 chs.
	August 12: At noon, I set off 15° 24' N. on the decl. arc and observe the sun on the meridian; the resulting lat. is 33° 30' N.

- -

chains	
	N. 0° 2' W. bet. secs. 21 and 22.
	Ascending from gulch.
9.70	Ridge, extends N.E. and S.W.; descend.
22.00	Gulch, 20 lks. wide, course S.W.; ascend.
31.00	Ridge, extends E. and W.; descend.
40.00	Set a silicate stone, 18 X 10 X 6 ins., in mound of stone, for ¼ sec. cor., marked ¼ on W. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
50.00	Enter draw, course N.W.; thence W.S.W.
51.30	Stockade corral brs. W. 30 lks. dist.
54.20	Leave draw; ascend.
55.40	Old stone foundation brs. E. 30 lks. dist.
59.00	Top of W. slope of ridge; descend.
62.00	Draw, 25 lks. wide, course S.W.; ascend.
69.00	Ash Spring brs. E. 10.00 chs. dist.
70.00	Ridge, extends N.E.; descend.
78.00	Draw, 60 lks. wide, course S.W.; ascend.
80.00	Set a syenite stone, 18 X 10 X 8 ins., 12 ins. in the ground, for cor. of secs. 15, 16, 21 and 22, marked with 3 notches on the S. and E. edges, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
	Land, mountainous.
	Soil, gravelly and stony; 3rd and 4th rate.
	Timber, scattering mesquite; undergrowth, mesquite, tesotilla, oak, Spanish bayonet and cactus.
	Mountainous land, exceptionally difficult to survey, 80.00 chs.

For this mile see supp. notes here attached page 1.

- -

chains	
	S. 89° 58' E. on a random line bet. secs. 15 and 22.
40.00	Set temp. ¼ sec. cor.
80.02	Intersect the N. and S. line 18 lks. S. of cor. of secs. 14, 15, 22 and 23.
	Thence I run,
	S. 89° 54' W. on a true line bet. secs. 15 and 22.
	Over mountainous land, descending.
.60	Draw, 40 lks. wide, course S.W.; ascend.
9.30	Ridge, extends N.E. and S.W.; descend.
31.30	Draw, 80 lks. wide, course S.W.; ascend.
40.01	Set a quartzite stone, 18 X 12 X 5 ins., 12 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.
~~44.00~~	~~Ridge, extends N.E. and S.W.; descend.~~
~~53.60~~	~~Draw, 80 lks. wide, course S.W.; ascend.~~
~~61.00~~	~~Ridge, extends N.E. and S.W.; descend.~~
~~80.02~~	~~The cor. of secs. 15, 16, 21 and 22~~

For this half mile see page 2 supp. notes here attached

Subdivision of Tp. 2 N., R. 15 E.

chains	
	Land, mountainous.
	Soil, gravelly and stony; 3rd and 4th rate.
	No timber, undergrowth, mesquite, tesotilla, Spanish bayonet and cactus.
	Mountainous land, exceptionally difficult to survey, 80.02 chs.
	August 11, 1906.
	- -
	August 12, 1906. At 7 a.m., l.m.t., I set off 14° 00' N. on the decl. arc and 33° 30' N. on the lat. arc and determine a true meridian with the solar at the cor. of secs. 15, 16, 21 and 22.
	Thence I run,
	N. 0° 2' W. bet secs. 15 and 16.
	Over mountainous land, ascending.
10.00	Ridge, extends E. and W., descend.
15.60	Dry wash, 20 lks. wide, course W.; ascend.
20.00	Ridge, extends E. and W.,; descend.
24.60	Draw, 130 lks. wide, course W.S.W.; ascend.
34.00	Ridge, extends N.E. and S.W.; descend.
40.00	Set a quartzite stone, 18 X 7 X 5 ins., in mound of stone, for ¼ sec. cor., marked ¼ on W. face and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
42.35	Enter draw, course S.W.
46.00	Road, brs. N.E. and S.W.; leave draw and ascend.
61.00	Ridge, extends E. and W., descend.
67.00	Dry wash, 30 lks. wide, course W., ascend.
74.00	Ridge, extends E. and W., descend.
80.00	Set a porphyry stone, 18 X 10 X 7 ins., 12 ins. in the ground for cor. of secs. 9, 10, 15 and 16, marked with 4 notches on the S. and 3 notches on the E. edges, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
	Land, mountainous.
	Soil, gravelly and stony; 3rd and 4th rate.
	Timber, scattering mesquite; undergrowth, mesquite, tesotilla, Spanish bayonet and cactus.
	Mountainous land, exceptionally difficult to survey, 80.00 chs.
	- -
	N. 89° 54' E. on a random line bet. secs. 10 and 15.
40.00	Set temp. ¼ sec. cor.
80.08	Intersect the N. and S. line 7 lks. N. of cor. of secs. 10, 11, 14 and 15.
	Thence I run, S. 89° 57' W., bet. secs. 10 and 15.
	Over mountainous land, descending.
4.00	Enter dense brush, extends N. and S.
15.00	Gulch, 40 lks. wide, course S.W.
17.60	Gulch, 50 lks. wide, course S.S.W.; road in gulch, brs. N.N.E. and S.S.W.; ascend.
22.00	Leave dense brush, extends N.E. and S.W.
31.00	Ridge, extends N. and S.; descend.
34.00	Gulch, 15 lks. wide, course S.; ascend.
40.04	Ridge, extends N.E. and S.W.
	Set a porphyry stone, 18 X 8 X 8 ins. in mound of stone, for ¼ sec. cor., marked ¼ on N. face and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.
	Descend.
47.70	Gulch, 20 lks. wide, course S.W.; ascend.
55.45	Spur, extends S.S.W.; descend.
59.50	Gulch, 10 lks. wide, course S.W.; ascend.
64.00	Ridge, extends S.W.; descend.
80.08	The cor. of secs. 9, 10, 15 and 16.
	Land, mountainous.

See the tally with on page 17, Cap. notes, Doc. attached

chains

Soil, gravelly and stony; 3rd and 4th rate.
No timber; undergrowth, mesquite, tesotilla, palo christi, palo verde, Spanish bayonet and cactus.
Mountainous land, or land covered with dense undergrowth, exceptionally difficult to survey, 80.08 chs.
At this cor. I abandon the line north.

- -

August 12: At noon, I set off 14° 58' N. on the decl. arc, and observe the sun on the meridian; the resulting lat. is 33° 29' N.
Thence I run, from the cor. of secs. 28, 29, 32 and 33, on the Sectional Correction Line,
S. 0° 2' E., on a true line bet. secs. 32 and 33.
.60 Ascending from draw, through dense oak brush.
3.50 Ridge, extends E. and W., descend.
9.60 Draw, 1.00 ch. wide, course W., ascend.
14.30 Top, extends E. and W., leave dense oak brush; thence over gently rolling land.
40.00 Set a syenite stone, 18 X 6 X 6 ins., in mound of stone, for ¼ sec. cor., marked ¼ on W. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
Enter dense mesquite and tesotilla brush.
41.70 Dry wash, 30 lks. wide, course S.W.
48.05 Road, brs. N.E. and S.W.
51.30 Enter nugget wash, course W.
54.30 Road, brs. N.E. and S.W.
66.30 Leave wash and dense brush, course W.N.W.
76.80 Draw, 130 lks. wide, course W.
77.21 Wire fence brs. E. and W.
78.10 Draw, 2.00 chs. wide, course W.
[illegible] Intersect the S. bdy. of tp., 51 lks. E. of cor. of secs. 4, 5, 32 and 33. N. 89° 51' E. of cor
79.48
Set a quartzite stone, 18 X 6 X 6 ins., 12 ins. in the ground, for closing cor. of secs. 32 and 33, marked C C on N. and 4 grooves on E. and 2 grooves on W. faces, and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.
Land, rolling and level.
Soil, sandy, gravelly and stony; 3rd and 4th rate.
Timber, scattering mesquite; undergrowth, mesquite, tesotilla, oak and cactus.
Land covered with dense undergrowth, exceptionally difficult to survey, 40.66 chs.

August 12, 1906.

- -

August 14: At 7 a.m., I set off 14° 58' N. on the decl. arc, and 33° 29' N. on the lat. arc and determine a true meridian with the solar at the cor. of secs. 28, 29, 32 and 33.
Thence I run,
N. 0° 2' W. bet. secs. 28 and 29.
Leave draw, through dense brush.
2.65 Leave draw; ascend.
12.35 Top of ascent, extends N.E. and S.W.; leave dense brush; enter gently rolling land.
26.80 Enter dense tesotilla brush, extends E. and W.; descend.
35.80 Draw, 3.00 chs. wide, course W.; ascend.
40.00 Set a syenite stone, 18 X 8 X 8 ins., 12 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.

Subdivision of Tp. 2 N., R. 15 E.

chains	
49.30	Ridge, extends W and E.; descend.
65.35	Dry wash, 20 lks. wide, course N.W., enter rolling land and dense mesquite and tesotilla brush.
72.03	Telephone line, brs. N.W. and S.E.
73.70	Draw, 2.00 chs. wide, course W.,
80.00	Set a silicate stone, 18 X 6 X 6 ins., 12 ins. in the ground, for cor. of secs. 20, 21, 28 and 29, marked with 2 notches on the S. and 4 notches on the E. edges, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor., pits impracticable.
	Land, rolling.
	Soil, gravelly and stony; 3rd and 4th rate.
	Timber, scattering mesquite; undergrowth, mesquite, tesotilla and nopal cactus.
	Land, covered with dense undergrowth, exceptionally difficult to survey 39.60 chs.
	S. 89° 55' E. on a random line bet. secs. 21 and 28.
40.00	Set temp. ½ sec. cor.
80.04	Intersect the N. and S. line 12 lks. S. of cor. of secs. 21, 22, 27 and 28.
	Thence I run,
	West, on a true line bet. secs. 21 and 28.
	Over mountainous land, ascending.
9.00	Ridge, extends N.E. and S.W.; descend over rolling land.
40.02	Set a quartzite stone, 18 X 8 X 5 ins., 12 ins. in the ground, for ½ sec. cor., marked ½ on N. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, N of cor. Pits impracticable.
49.00	Enter dense brush, course N.E.
59.40	Draw, 1.00 chs. wide, course S.W.; enter broken ground.
80.04	The cor. of secs. 20, 21, 28 and 29.
	Land, rolling, broken and mountainous.
	Soil, gravelly and stony; 3rd and 4th rate.
	No timber; undergrowth, oak, mesquite, tesotilla, palo christi, Spanish bayonet and cactus.
	Mountainous land, and land covered with dense undergrowth, exceptionally difficult to survey, 40.00 chs.
	August 1[illegible]: At noon, I set off 14° 42' N. on the decl. arc and observe the sun on the meridian; the resulting lat. is 33° 30' N.
	N. 0° 2' W., bet. secs. 20 and 21.
	Ascending over broken ground, through dense brush.
7.80	Top of ascend, extends E. and W., enter rolling land.
15.50	Draw, 1.00 chs. wide, course W., ascend.
18.80	Ridge, extends E. and W., descend.
21.10	Enter draw, course W., thence S.W.
25.20	Leave draw.
27.50	Dry wash, 40 lks. wide, course W.S.W.; ascend.
37.80	Top of ascend, brs. E. and W.
40.00	Set a quartzite stone, 16 X 12 X 12 ins., in mound of stone, for ½ sec. cor., marked ½ on W. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
40.50	Descend, brs. N.E. and S.W.
47.00	Enter draw, course S.W.
56.00	Leave draw; ascend.
66.85	Ridge, extends W.S.W.; descend.
70.20	Enter draw, course W.,
80.00	Set a porphyry stone, 18 X 10 X 8 ins., 12 ins. in the ground, for the cor. of secs. 16, 17, 20 and 21, marked with 3 notches on the S. and 4 notches on the E. edges, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.

Subdivision of Tp. 2 N., R. 15 E.

chains	
	Land, rolling , broken and level.
	Soil, sandy, gravelly and stony; 3rd and 4th rate.
	Timber, scattering mesquite, undergrowth, tesotilla, mesquite, oak, pale christi, Spanish bayonet and cactus.
	Land covered with dense undergrowth, exceptionally difficult to survey, 80.00 chs.
	- -
	East on a random bet. secs. 16 and 21.
40.00	Set temp. ¼ sec. cor.
80.06	Intersect the N. and S. line, 7 lks. N. of cor. of secs. 15, 16, 21 and 22.
	Thence I run,
	N. 89° 57' W., on a true line, bet. secs. 16 and 21.
	Over mountainous land,
22.30	Enter dense brush, ~~extends~~ N.E. and S.W.
26.00	Enter draw, course W.
39.20	Leave draw, course S.W.; thence along N. side of draw.
40.03	Point for ¼ sec. cor. falls on steep bank of draw.
40.50	Set a porphyry stone, 21 X 14 X 6 ins., in mound of stone, for ¼ sec. cor., marked ¼ on N. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.
45.40	Same draw, 160 lks. wide, course N.W. and thence along S. side of draw.
53.30	Enter same draw, course W.
57.00	Leave draw, course S.W.; ascend.
62.30	Ridge, extends N.E. and S.W.; descend.
71.70	Enter draw, course S.W.
80.06	The cor. of secs. 16, 17, 20 and 21.
	Land, rolling, mountainous and level.
	Soil, gravelly and stony; 3rd and 4th rate.
	Timber, scattering mesquite; undergrowth, mesquite, tesotilla, oak, pale christi, Spanish bayonet and cactus.
	Mountainous land, or land covered with dense undergrowth exceptionally difficult to survey, 80.06 chs.
	August 12, 1906.
	- -
	August 14: At 7. a.m., l.m.t., I set off 14° 33' N. on the decl. arc and 33° 30' W. on the lat. arc and determine a true meridian with the solar at the cor. of secs. 16, 17, 20 and 21.
	N. 0° 2' W., bet. secs. 16 and 17.
	In draw, through dense mesquite and tesotilla brush.
.70	Road, brs. E.N.E. and W.S.W.
1.40	Leave draw; ascend.
6.00	Top of abrupt; extends N.E. and S.W.; enter gently rolling land.
25.00	Dry wash, 30 lks. wide, course W.S.W.; ascend.
36.00	Ridge, extends E. and W.; descend.
39.40	Set a porphyry stone, 18 X 6 X 6 ins., in mound of stone, for witness cor. to sec. 16, bet. secs. 16 and 17, marked W C ¼ on W. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
40.00	Point for ¼ sec. cor. falls on bank of wash.
40.40	Dry wash, 20 lks. wide, course S.W.; leave dense brush, ascend.
48.00	Ridge, extends E. and W., descend steep grade.
52.70	Dry wash, 40 lks. wide, course W., ascend.
54.00	Ridge, extends E. and W., descend steep slope.
65.35	Dry wash, 1.00 ch. wide, course W.; ascend.
80.00	Set a porphyry stone, 18 X 8 X 8 ins., in mound of stone, for cor. of secs. 8, 9, 16 and 17, marked with 4 notches on the S. and E. edges, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
	Land, mountainous and gently rolling.
	Soil, gravelly and stony; 3rd and 4th rate.
	Timber, a few mesquite; undergrowth, mesquite, tesotilla, oak, pale christi, Spanish bayonet and cactus.
	Mountainous land, or land covered with dense undergrowth, exceptionally difficult to survey, 80.00 chs.
	- -

For this tail see page 2. Sup. note line attached

For this tail see page 2. Sup. note line attached

BOOK 2104 20

Subdivision of Tp. 2 N., R. 15 E.

chains	
	S. 89° 57' E., on a random line bet. secs. 9 and 16.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.02	Intersect the N. and S. line 2 lks. S. of cor. of secs. 9, 10, 15 and 16.
	Thence I run,
	N. 89° 58' W., on a true line, bet. secs. 9 and 16.
	Over mountainous land, descending.
3.00	Draw, 1.00 chs. wide, course W.S.W.; ascend.
18.00	Spur, extends S.W.; descend.
25.70	Dry wash, 40 lks. wide, course S.W.; enter dense brush, ascend.
30.00	Top of escshape of ridge.
40.01	Set a porphyry 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, and raise a mound of stone, 2 ft. base, 1$\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
47.00	Leave dense brush; descend.
57.50	Dry wash, 60 lks. wide, course S.W.; ascend.
71.00	Ridge, extends E.N.E. and W.S.W.; descend.
80.02	The cor. of secs. 8, 9, 16 and 17.
	Land, mountainous.
	Soil, gravelly and stony; 3rd and 4th rate.
	Timber, a few cedar and mesquite; undergrowty, mesquite, tesotilla, oak, palo christi, johava, Spanish bayonet and cactus.
	Mountainous land, or land covered with dense undergrowth, exceptionally difficult to survey, 80.02 chs.
	- -
	August 16: At noon, I set off 14° 30' N. on the decl. arc and observe the sun on the meridian; the resulting lat. is 33° 31' N.
	N. 0° 2' W., bet. secs. 8 and 9.
	Over mountainous land, descending.
19.00	Draw, 80 lks. wide, course S.W.; ascend.
24.00	Wire fence, brs. N.E. and S.W.
35.70	Ridge, extends N.E. and S.W.; descend.
40.00	Set porphyry stone, 18 X 12 X 6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face and raise a mound of stone, 2 ft. base, 1$\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
48.00	Dry wash, 15 lks. wide, course S.W.; ascend.
51.54	Wire fence, extends NE. and S.W.
53.00	Ridge, extends E. and W., descend.
58.10	Dry wash, 30 lks. wide course W., ascend.
62.00	Ridge, extends E. and W., descend.
65.00	Dry wash, 20 lks. wide, course S.W.; enter dense palo christi brush; ascend.
74.00	Ridge, extends N.N.E. and S.S.W.; descend.
80.00	Set a diarite stone, 18 X 10 X 5 ins., 12 ins. in the ground, for cor. of secs. 4, 5, 8 and 9, marked with 5 notches on the S. and 4 notches on the E. edges, and raise a mound of stone, 2 ft. base, 1$\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
	Land, mountainous.
	Soil, gravelly and stony; 3rd and 4th rate.
	Timber, scattering cedar; undergrowth, palo christi, mesquite, tesotilla, palo verde, Spanish bayonet and cactus.
	Mountainous land, or land covered with dense undergrowth, exceptionally difficult to survey, 80.00 chs.
	- -
	N. 0° 2' W. on a random line bet. secs. 4 and 5.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.98	Intersect the N. and S. line, at the E. of cor. of secs. 4, 5, 32 and 33.
	Thence I run,

For this tally line see page 3 supp. notes, here attached

For this tally line see page 3 supp. notes here attached

Subdivision of Tp. 2 N., R. 15 E.

chains	
	S. 0° 2' E. on a true line, bet. secs. 4 and 5.
	Over mountainous land, descending along E. slope of ridge, through dense oak and palo christi brush.
16.60	Rocky gulch, 80 lks. wide, course S.W.; leave dense brush, begin steep rocky ascent.
36.00	Top of ridge, extends NE and SW, descend.
39.98	Set a trachyte stone, 18 X 10 X 8 ins., in mound of stone, for ¼ sec. cor., marked ¼ on W. face and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
43.50	Small gulch, course W., ascend through dense brush.
49.60	Ridge, extends E. and W., leave dense brush; descend steep slope over trachyte boulders.
67.00	Leave boulders; enter draw, course S.W.; and dense mesquite.
71.00	Road, brs. N.E. and S.W.
72.00	Leave draw; ascend.
79.98	The cor. of secs. 4, 5, 8 and 9.
	Land, mountainous.
	Soil, gravelly, stony and rocky; 3rd and 4th rate.
	Timber, scattering cedar and mesquite; undergrowth, oak, palo christi, johava, mesquite, tesotilla, Spanish bayonet and cactus.
	Mountainous land, or land covered with dense undergrowth, exceptionally difficult to survey [illegible] chs.
	August [illegible], 1906.

- - - - - - - - - - - - - - - - - - - -

	August 15, 1906. At 7 a.m., l.m.t., I set off 14° 50' E. on the decl. arc and 33° 29' N. on the lat. arc, and determine a true meridian with the solar at the cor. of secs. 29, 30, 31 and 32 on the sectional correction line.
	Thence I run,
	S. 0° 5' E. on a true line, bet. secs. 31 and 32.
	Over mountainous land, ascending through dense brush.
2.70	Spur, extends N.E.; leave dense brush; descend.
15.20	Gulch, 20 lks. wide, course N.E.; ascend.
33.00	Spur, extends N.E.; descend.
40.00	Set a trachyte stone, 21 X 12 X 5 ins., in mound of stone, for ¼ sec. cor., marked ¼ on W. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
50.45	Dry wash, 1.00 chs. wide, course E., ascend.
[illegible]	Sharp spur, extends E., descend.
[illegible]	Gulch, 20 lks. wide, course N.E.; ascend.
[illegible]	Spur, extends E., descend.
79.51	Intersect the South bdy. of tp. 91 lks. E. of cor. of secs. 5, 6, 31 and 32.
	Set a trachyte stone, 18 X 14 X 14 ins. in mound of stone, for closing cor. of secs. 31 and 32, marked C C on N. with 5 grooves on E. and 1 groove on W. faces, and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil, gravelly, stony and rocky; 3rd and 4th rate.
	Timber, a few cedar; undergrowth, mesquite, tesotilla, palo christi, Spanish bayonet and cactus.
	Mountainous land, or land covered with dense undergrowth, exceptionally difficult to survey, 79.51 chs.

- - - - - - - - - - - - - - - - - - - -

	From the cor. of secs. 29, 30, 31 and 32, on the Sectional Correction Line I run,
	N. 0° 3' W., bet. secs. 29 and 30.
	Over mountainous land, descending through dense brush.
[illegible]	Enter draw, course E.

Subdivision of Tp. 2 N., R. 15 E. BOOK 2104 22

chains.	
7.90	Leave draw, and dense brush; ascend.
10.60	Ridge extends E. and W., descend.
17.40	Enter Murphy wash, course E.; reenter dense brush, brs. E. and W.
17.85	Road, brs. E. and W.
26.80	Leave wash and dense brush; ascend.
30.00	Top of ascent, brs. E. and W., thence over gently rolling land.
40.00	Set a quartzite stone, 18 X 12 X 12 ins., in mound of stone, for ¼ sec. cor., marked ¼ on W. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable. From this cor. Geralds' ranch house brs. N.E. about 25 chs. dist.
42.40	Dry wash, 60 lks. wide, course E., ascend.
47.20	Spur, extends E., descend.
63.35	Draw, 2.00 chs. wide, course E., ascend.
69.00	Spur, extends N.E.; descend.
80.00	Set a porphyry stone, 18 X 6 X 6 ins., 12 ins. in the ground, for cor. of secs. 19, 20, 29 and 30, marked with 2 notches on the S., and 5 notches on the E. edges, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable. Land, mountainous, and rolling. Soil, sandy, gravelly and stony; 3rd and 4th rate. No timber, undergrowth, mesquite, tesotilla, Spanish bayonet and cactus. Mountainous land, or land covered with dense undergrowth, exceptionally difficult to survey, 80.00 chs. August 15: At noon, I set off 14° 11' N. on the decl. arc and observe the sun on the meridian; the resulting lat. is 33° 30' N.
	- -
	S. 89° 55' E., on a random line bet. secs. 20 and 29.
40.00	Set temp. ¼ sec. cor.
80.28	Intersect the N. and S. line 21 lks. S. of cor. of secs. 20, 21, 28 and 29.
	Thence I run, S. 89° 56' W., on a true line bet. secs. 20 and 29. Over broken ground, through dense brush.
7.02	Telephone line, brs. N.W. and S.E.
15.00	Enter mesa, brs. N. and S.
19.60	Descend; extends N. and S.
21.00	Enter draw, course W.S.W.
38.80	Old road, brs. N.W. and S.E.
~~40.00~~ 40.55	Set a quartzite stone, 18 X 6 X 5 ins., 12 ins. in the ground, for W.C. ¼ sec. cor., marked W.C. ¼ on N. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.
47.50	~~Enter Pinal Creek bottom, course N.N.W.~~
51.20	Right bank of Pinal Creek, brs. N.W. and S.E. ~~Set a syenite stone, 18 X 8 X 5 ins., 12 ins. in the ground, for meander cor. of fracl. secs. 20 and 29, marked with 2 grooves on S. face, and M.C. on W. face, from which~~ ~~A cottonwood tree, 24 ins. diam., brs. S. 9° E., 115 lks. dist., marked T 2 N R 15 E S 29 M C B T,~~ ~~An ash tree, 14 lks. diam., brs. N. 63° W., 117 lks. dist., marked T 2 N R 15 E S 29 M C B T.~~
57.74	Left bank of Pinal Creek, brs. N.N.W. and S.S.E.; wire fence brs. N.N.W. and S.S.E. ~~Set a trachyte stone, 18 X 10 X 10 ins. 12 ins. in the ground, for meander cor. of fracl. secs. 20 and 29, marked with 2 grooves on S. face, and M C on W face, from which~~ ~~A mesquite tree, 5 ins. diam., brs. S. 10½° E., 111 lks. dist., marked T 2 N R 15 E S 29 M C B T,~~ ~~A cottonwood tree, 14 ins. diam., brs. N. 46½° E., 320 lks. dist., marked T 2 N R 15 E S 20 M C B T.~~

chains	
68.72	Wire fence brs. N. and S., leave bottom, ascend.
~~79.96~~ 80.08	The cor. of secs. 19, 20, 29 and 30.
	Land, level, rolling and broken.
	Soil, alluvial, sandy loam, sandy, gravelly and stony; 1st, 2nd, 3rd and 4th rate.
	Timber, mesquite and cottonwood and ash along creek.
	Land covered with dense undergrowth, exceptionally difficult to survey, ~~79.96~~ 80.08 chs.
	August 16, 1906.
	N. 89° 55' W. on a random line bet. secs. 19 and 30.
40.00	Set temp. ¼ sec. cor.
80.18	Intersect the W. bdy. of tp. 12 lks. N. of cor. of secs. 19, 24, 25 and 30.
	Thence I run,
	East on a true line bet. secs. 19 and 30.
	Over mountainous land, ascending through dense brush.
18.00	Ridge, extends N. and S.; leave dense brush; descend.
24.00	Gulch, 15 lks. wide, course N.E.
27.80	Same gulch, 20 lks. wide, course S.E.
33.40	Gulch, 10 lks. wide, course S.E.; ascend.
39.80	Ridge, extends N.N.W. and S.S.E.; descend.
40.18	Set a quartzite stone, 18 X 8 X 6 ins., 1 ft in mound of stone, for ¼ sec. cor., marked ¼ on N. face, and raise a mound of stone, 3 ft. base, 1½ ft. high, N of cor. Pits impracticable.
57.50	Gulch, 10 lks. wide, course N.E.; reenter dense brush; ascend.
64.45	Ridge, extends N.E. and S.W.; descend.
72.20	Enter cove.
74.15	Dry wash, 10 lks. wide, course N.E.
77.00	Leave cove; ascend.
80.18	Spur, extends N.
	The cor. of secs. 19, 20, 29 and 30.
	Land, mountainous and level.
	Soil, gravelly, stony and rocky; 3rd and 4th rate.
	No timber, undergrowth, oak, tesotilla, mesquite, palo christi, johava, Spanish bayonet and cactus.
	Mountainous land, or land covered with dense undergrowth, exceptionally difficult to survey, 80.18 chs.
	August 16, 1906.
	August 17. At 7 a.m., l.m.t., I set off 13° 56' N. on the decl. arc and 33° 30' N. on the lat. arc, and determine a true meridian with the solar at the cor. of secs. 19, 20, 29 and 30.
	Thence I run,
	N. 0° 3' W., bet. secs. 19 and 20.
	Descending through dense brush.
3.00	Enter cove, extends W.
4.70	Dry wash, 15 lks. wide, course N.E.
~~[illegible]~~	~~Set a porphyry stone, 18 X 12 X 10 ins., 12 ins. in the ground, for witness cor. to meander cor. of fracl. secs. 19 and 20, marked with 3 grooves on S. face, and W C M C on North face, from which~~
	~~A cottonwood tree, 20 ins. diam., brs. N. 7½° E., 63 lks. dist., marked T 2 N R 15 E S 20 W C M C B T.~~
	~~A cottonwood tree, 30 ins. diam., brs. N. 50° 20' W., 19 lks. dist., marked T 2 N R 15 E S 19 W C M C B T.~~
~~[illegible]~~	Left bank of Pinal Creek; note, this point is on ground subject to overflow; leave dense brush.
40.00	Point for ¼ sec. cor. falls in bed of creek.
40.20	Right bank of Pinal Creek; brs. N.E. and S.E.
	~~Set a porphyry stone, 18 X 10 X 5 ins., 12 ins. in the ground, for meander cor. of fracl. secs. 19 and 20, marked with 3 grooves on E. face, and M C on S face, from which~~
	~~A tesotilla tree, 7 ins. diam., brs. N. 82½° E. 96 lks. dist., marked T 2 N R 15 E S 20 M C B T.~~

chains	
	~~A mesquite tree, 6 ins. diam., brs. N. 57° 25' W., 279 lks. dist., marked T 2 N R 15 E S 19 M C B T.~~
	Reenter dense brush,
41.40	Set a porphyry stone, 18 X 10 X 6 ins., 12 ins. in the ground, for witness cor. to ¼ sec. cor., marked W C ¼ on W. face, from which
	A mesquite tree, 8 ins. diam., brs. S. ~~47½°~~ 44½ E., 149 lks. dist., marked ¼ S 20 W C B T.
	A mesquite tree, 5 ins. diam., brs. N. ~~78½°~~ 65¼ W., ~~8~~ 115 lks. dist., marked ¼ S 19 W C B T.
43.00	Road from Globe to Roosevelt brs. N.W. and S.E.
53.30	Dry wash; 40 lks. wide, course W., leave bottom, course N.W.; thence along S. side of wash.
58.00	Mrs. J. Mankin's ranch house brs. W. 3.00 chs. dist.
61.40	Wire fence, brs. N.N.E. and S.S.W., leave dense brush, reenter bottom; peach orchard brs. W. 60 lks. dist.
68.40	Reenter dense brush; extends N.W. and S.E.
79.20	Wire fence brs. N.N.W. and S.S.E.
80.00	Set a quartzite stone, 18 X 10 X 8 ins., 12 ins. in the ground, for cor. of secs. 17, 18, 19 and 20, marked with 2 notches on the S. and 5 notches on the E. edges, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
	Land, gently rolling and level.
	Soil, alluvial, sandy loam, sandy, gravelly and stony; 1st, 2nd, 3rd and 4th rate.
	Timber, scattering mesquite and cottonwood; undergrowth, mesquite, tesotilla, hecotam oak, Spanish bayonet and cactus.
	Land covered w ithe dense undergrowth, exceptionally difficult to survey, 52.60 chs.
	- -
	N. 89° 56' E. on a random line bet. secs. 17 and 20.
40.00	Set temp. ¼ sec. cor.
80.05	Intersect the N. and S. line, 12 lks. N. of cor. of secs. 16, 17, 20 and 21.
	Thence I run,
	N. 89° 59' W. on a true line bet. secs. 17 and 20.
	In draw, through dense mesquite brush.
.90	Road, brs. N.E. and S.W.; leave draw; ascend.
3.00	Top of ascent, extends N.E. and S.W.; leave dense brush, begin gradual descent.
29.00	Dry wash, 35 lks. wide, course S.W.
36.00	Small draw, course S.W.; ascend.
40.025	Set a porphyry stone, 18 X 8 X 8 ins., 12 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.
43.95	Telephone line, brs. N. and S., begin descent along spur, extends W.
59.00	Enter dense brush, extends N.E. and S.W.
71.00	Enter draw, extends W.
80.05	The cor. of secs. 17, 18, 19 and 20.
	Land, rolling and level.
	Soil, sandy, gravelly and stony; 3rd and 4th rate.
	Timber, scattering mesquite; undergrowth, mesquite, tesotilla, Spanish bayonet and cactus.
	Land ceovered with dense undergrowth, exceptionally difficult to survey, 24.00 chs.
	August 18: At noon, I set off 13° 58' N. on the decl. arc, and observe the sun on the meridian; the resulting lat. is 33° 30' N.
	- -

chains	
	West on a random line bet. secs. 18 and 19.
40.00	Set temp. ¼ sec. cor.
80.31	Intersect the W. bdy. 35 lks. N. of cor. of secs. 13, 18, 19 and 24.
	Thence I run,
	N. 89° 45' E. on a true line, bet. secs. 18 and 19.
	Over mountainous land, ascending through dense oak brush.
17.00	Ridge extends N.E. and S.W.; leave dense brush; descend.
39.70	Set a quartz stone, 18 X 10 X 8 ins., 12 ins. in the ground, for witness cor. to ¼ sec. cor., marked ¼ W C on N. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.
40.31	Point for ¼ sec. cor. falls in small wash, course S.
45.00	Rocky knoll, 50 ft. high, 80 lks. S.
49.80	Old stone ruins on line.
55.70	Old stone ruins on line.
58.60	Enter Pinal Creek bottom, brs. N. and S.
62.50	Left bank of Pinal Creek, extends N. and S.
	Set a porphyry stone, 21 X 12 X 5 ins., 16 ins. in the ground, for meander cor. to fracl. secs. 18 and 19, marked with 3 grooves on S. face, and M C on E face from which
	A mesquite tree, 7 ins. diam., brs. S. 30° E., 25 lks. dist, marked T 2 N R 15 E S 19 M C B T, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
76.00	Right bank of Creek.
	Set a porphyry stone, 18 X 12 X 5 ins., 12 ins. in the ground, for meander cor. to fracl. secs. 18 and 19, marked with 3 grooves on S. face, and M C on W. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor. Pits impracticable.
76.20	Road from Globe to Roosevelt, brs. N. and S.
76.37	Wire fence, brs. N. and S.
80.24	Wire fence brs. N. and S.; leave bottom, course N.N.W.; Enter draw, course W.
80.31	The cor. of secs. 17, 18, 19 and 20.
	Land, mountainous and level.
	Soil, sandy, gravelly and stony; 3rd and 4th rate.
	Timber, cottonwood along creek; undergrowth, oak, palo christi, mesquite, tesotilla, hepota, cactus.
	Mountainous land, or land covered with dense undergrowth, exceptionally difficult to survey; 58.60 chs.
	- -
	N. 0° 3' W., bet. secs. 17 and 18.
	In draw, through dense brush.
2.50	Ascend, brs. E. and W.
4.30	Ridge, brs. E. and W.; descend.
6.70	Foot of descent, brs. E. and W.
7.30	Dry wash, 25 lks. wide, course W.
18.45	Dry wash, 35 lks. wide, course W.S.W.; enter rolling land.
26.30	Dry wash, 20 lks. wide, course W.S.W.
34.20	Enter draw, course W.
40.00	Set a quartz stone, 18 X 8 X 6 ins., 12 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face, and raise a mound of stone 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
43.00	Leave draw; ascend.
44.40	Sharp ridge, extends E. and W., descend.
47.00	Dry wash, 40 lks. wide, course W.
50.40	Leave dense brush; ascend.
60.00	Ridge, extends E. and W.; reenter dense brush; descend.
63.09	Telephone line, brs. E. and W
73.00	Draw, 2.00 chs. wide, course W.; ascend.
77.00	Ridge, extends E. and W.; descend.
80.00	Set a syenite stone, 21 X 6 X 6 ins., 16 ins. in the ground, for cor. of secs. 7, 8, 17 and 18, marked with 4 grooves on the S. and 5 grooves on the E. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.

For this mile see pag. 3 supp. notes herewith attached

chains	
	Land, mountainous, rolling and level.
	Soil, sandy, gravelly and stony; 3rd and 4th rate.
	Timber, scattering mesquite; undergrowth, mesquite, tesotilla, oak, cactus. Giant cactus.
	Mountainous alnd, or land covered with dense undergrowth, exceptionally difficult to survey, 80.00 chs.
	August 17, 1906.
	August 18: At 7 a.m., I set off 13° 29' N. on the decl. arc, and 33° 31' N. on the lat. arc, and determine a true meridian with the solar at the cor. of secs. 7, 8, 17 and 18.
	Thence I run,
	S. 89° 59' E. on a random line bet. secs. 8 and 17.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect the N. and S. line 2 lks. S. of cor. of secs. 8, 9, 16 and 17.
	Thence I run, West.
	Over mountainous land, descending.
25.00	Draw, 1.00 chs. wide, course N.W.; ascend.
40.00	Set a porphyry stone, 16 X 12 X 10 ins., 11 ins. in the ground, for ¼ sec. cor., marked ¼ on N face, and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.
43.00	Ridge, extends N. and S., begin gradual descent; enter dense brush.
47.50	Enter draw, course N.W.
51.20	Leave draw, and over rolling land.
80.00	The cor. of secs. 7, 8, 17 and 18.
	Land, mountainous and rolling.
	Soil, gravelly and stony; 3rd and 4th rate.
	Timber, a few mesquite; undergrowth, mesquite, tesotilla, oak, palo christi, Spanish bayonet and cactus.
	Mountainous land, or land covered with dense undergrowth, exceptionally difficult to survey, 80.00 chs.
	S. 89° 45' W. on a random line bet. secs. 7 and 18.
40.00	Set temp. ¼ sec. cor.
80.20	Intersect the W. bdy. of tp. 35 lks. S. of the cor. of secs. 7, 12, 13 and 18.
	Thence I run, East,
	Over mountainous land, descending.
29.80	William Bernie's ranch house, stable and corrals br. N. 9 chs. dist.
34.00	Grave brs. S. 110 lks. dist., enter dense mesquite and tesotilla brush, extends N. and S.
35.80	Enter Pinal Creek bottom, brs. N. and S.
37.00	Dry wash, 35 lks. wide, course N.E.
40.20	Set a porphyry stone, 18 X 12 X 10 ins., 12 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.
43.45	Wire fence brs. N.E. and S.W.
43.55	Road brs. N.E. and S.W.
46.40	Dry wash, 40 lks. wide, course N.E.
48.80	Left bank of Pinal Creek, brs. N. and S.
	Set a syenite stone, 18 X 8 X 7 ins., 12 ins. in the ground, for meander cor. to fracl. secs. 7 and 18, marked with 4 grooves on S. face, and M. C. on E. face, and raise a mound of stone, 2 ft. high, 1½ ft. high, E. of cor. Pits impracticable.
53.70	Right bank of Pinal Creek, extends N.N.W. and S.S.E.
	Set a syenite stone, 24 X 12 X 10 ins., in mound of stone, for meander cor. to fracl. secs. 7 and 18, marked with 4 grooves on S. face, and M C on W. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
57.95	Wire fence, brs. N. and S.
60.57	Wire fence brs. N.W. and S.E.

Subdivision of tp. 2 N., R. 15 E.

chains	
64.70	Road from Globe to Roosevelt, brs. N.N.W. and S.S.E.
65.00	Leave bottom of creek and dense brush, brs. N. and S.; ascend.
80.20	The cor. of secs. 7, 8, 17 and 18.
	Land, mountainous and level.
	Soil, sandy loam, sandy, gravelly, stony and rocky; 2nd, 3rd and 4th rate.
	Timber, scattering mesquite; undergrowth, mesquite, tesotilla, oak and cactis.
	Mountainous land, or land covered with dense undergrowth, exceptionally difficult to survey, 75.30 chs.
	August 18: At noon, I set off 13° 28' N. on the decl. arc and observe the sun on the meridian; the resulting lat. is 33° 31' N.
	N. 0° 3' W., bet. secs. 7 and 8.
	Over mountainous land, descending through oak brush.
1.40	Foot of descent, brs. E. and W.; enter dense mesquite and tesotilla brush.
4.80	Dry wash, 40 lks. wide, course W.
11.30	Road, brs. N.E. and S.W.
16.40	Dry wash, 30 lks. wide, course S.W.
20.60	Dry wash, 40 lks. wide, course S.W.
23.30	Road, brs. N.E. and S.W.
28.40	Leave dense brush; ascend.
36.00	Ridge, brs. E. and W., descend.
40.00	Set a porphyry stone, 18 X 6 X 6 ins., 12 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
47.20	Dry wash, 80 lks. wide, course S.W.; ascend.
61.40	Spur, extends W.S.W.; descend.
68.30	Dry wash, 20 lks. wide, course W., ascend.
80.00	Set a porphyry stone, 18 X 8 X 8 ins., 12 ins. in the ground, for cor. of secs. 5, 6, 7 and 8, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
	Land, mountainous and level.
	Soil, sandy, gravelly and stony; 3rd and 4th rate.
	Timber, scattering mesquite; undergrowth, mesquite, tesotilla, oak, Spanish bayonet and cactus.
	Mountaineus aind, or land covered with dense undergrowth, exceptionally difficult to survey, 80.00 chs.
	August 18, 1906.
	August 19: At 7 a.m., l.m.t., I set off 12° 58' N on the decl. arc and 33° 32' N. on the lat. arc, and determine a true meridian with the solar at the cor. of secs. 5, 6, 7 and 8.
	Thence I run,
	East, on a random line bet. secs. 5 and 8.
40.00	Set temp. ¼ sec. cor.
80.07	Intersect the N. and S. line 7 lks. S. of cor. of secs. 4, 5, 8 and 9.
	Thence I run,
	S. 89° 57' W. on a true line bet. secs. 5 and 8.
	Over mountainous land, descending through dense brush.
16.80	Stone wall, brs. N. and S.; enter draw, course S.W., thence W.
19.30	Road, brs. N.E. and S.W.
20.80	Leave draw; ascend.
32.00	Spur, extends S.E., descend.
40.035	Set a trachyte stone, 18 X 8 X 6 ins., 12 ins. in the ground for ¼ sec. cor., marked ¼ on N. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.
40.25	Dry wash, 10 lks. wide, course S.E.; ascend.

chains	
45.00	Spur, extends S.E.; descend.
49.20	Dry wash, 10 lks. wide, course S., ascend.
59.00	Top of ascent, thence along S. slope of ridge.
65.00	Descend.
80.07	The cor. of secs. 5, 6, 7 and 8.
	Land, mountainous.
	Soil, gravelly, stony and rocky; 3rd and 4th rate.
	Timber, scattering cedar and mesquite; undergrowth, mesquite, tesotilla, palo christi, palo verde, Spanish bayonet and cactus.
	Mountainous land, or land covered with dense undergrowth, exceptionally difficult to survey, 80.07 chs.
	West on a random line bet. secs. 6 and 7.
40.00	Set temp. ¼ sec. cor.
80.10	Intersect the W. bdy. of tp. 7 lks. N. of cor. of sec. 1, 6, 7 and 12.
	Thence I run,
	N. 89° 57' E. on a true line bet. secs. 6 and 7.
	Over rolling land, descending through dense tesotilla brush.
5.00	William A. Packard's ranch house brs. N. 5.00 chs. dist.
8.00	Leave dense tesotilla brush; enter Pinal Creek bottom and heavy timber, brs. N. and S.
10.40	Dry ditch, 8 lks. wide, course N.
11.50	Wet ditch, 8 lks. wide, course N.
12.40	Middle of old channel, brs. N. 3.00 chs. dist.
15.10	Left bank Pinal Creek, brs. N. and S.
	Set a trachyte stone, 18 X 8 X 6 ins., 12 ins. in the ground, for meander cor. to fractl. secs. 6 and 7, marked with 5 notches on S. face, and M. C. on E. face, from which
	An elder tree, 6 ins. diam., brs. S. 24° 21' W., 126 lks. dist., marked T 2 N R 15 E S 7 M C B T,
	A willow tree, 9 ins. diam., brs. N. 51° 20' W., 186 lks. dist., marked T 2 N R 15 E S 6 M C B T.
	Leave heavy timber.
19.30	To right bank Pinal creek, brs. N.N.W. and S.S.E.
	Set a trachyte stone, 21 X 12 X 10 ins., 12 ins. in the ground, for meander cor. to fractl. secs. 6 and 7, marked with 5 notches on the S. and M C on the W. faces from which
	A willow tree, 6 ins. diam., brs. S. 54° E., 19 lks. dist., marked T 2 N R 15 E S 6 M C B T
	A cottonwood tree, 12 ins. diam., brs. N. 25° W., 17 lks. dist., marked T 2 N R 15 E S 6 M C B T.
	Reenter heavy timber and dense brush.
26.20	Wire fence, brs. N.W. and S.E.; leave bottom and heavy timber; ascend.
26.40	Road from Globe to Roosevelt, brs. N.W. and S.E.
37.00	Ridge, extends N.E. and S.W.; descend.
40.10	Enter draw, course S.W.
	Set a porphyry stone, 18 X 10 X 8 ins., 12 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face, and raise mound of stone
	A mesquite tree, 5 ins. diam., brs. N. 72° E., 156 lks. dist., marked ¼ S 6 B T,
	A mesquite tree, 5 ins. diam., brs. S. 72° E., 155 lks. dist., marked ¼ S 7 B T.
43.60	Leave draw; ascend.
50.00	Ridge, extends N.E. and S.W.; leave dense brush; descend.
54.30	Small wash, course S., ascend.
59.00	Spur, extends S., descend.
66.20	Draw, 2.00 chs. wide, course S.S.W.; ascend.

For this mile see page 3 sup. notes here attached.

chains	
80.10	The cor. of secs. 5, 6, 7 and 8.
	Land, mountainous, rolling and level.
	Soil, alluvial, sandy loam, sandy, gravelly and stony; 1st, 2nd , 3rd, and 4th rate.
	Timber, cottonwood, willow, mesquite, tesotilla and elder.
	Undergrowth, tesotilla, mesquite, willow, arrow w eeds and cactus.
	Mountainous land, or land heavily timbered, covered with dense undergrowth, exceptionally difficult to survey, 75.90 chs.
	August 18: At noon, I set off 13° 54' N. on the decl. arc, and observe the sun on the meridian; the resulting lat. is 33° 32' N.
	N. 0° 3' W. on a random line, bet. secs. 5 and 6.
40.00	Set temp. ¼ sec. cor.
79.95	Intersect the N. bdy of tp. 12 lks. E. of cor. point of secs. 5, 6, 31 and 32.
	Thence I run,
	S. 0° 2' E. on a true line bet. secs. 5 and 6.
	Over rolling land, descending through dense brush.
9.65	Dry wash, 30 lks. wide, course S.W.
39.95	Set a quartzite stone, 21 X 12 X 10 ins., 16 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
57.00	Drawm 140 lks. wide, course W., ascend.
62.00	Ridge, brs. E. and W.
65.90	Dry wash, 20 lks. wide, course W., leave dense brush.
77.00	Top of W. slope of ridge; descend.
79.95	The cor. of secs. 5, 6, 7 and 8.
	Land, rolling and mountainous.
	Soil, gravelly and stony; 3rd and 4th rate.
	Timber, scattering mesquite and cedar; undergrowth, tesotilla, palo verde, mesquite, Spanish bayonet and cactus. Giant cactus.
	Mountainous land, or land covered with dense undergrowth, exceptionally difficult to survey, 79.95 chs.
	August 18, 1906.

General Description.

This township is mountainous in the north, east and west, and rolling in the west center and southern portions. The soil of the bottom land along Pinal Creek, is generally alluvial and sandy loam, capable of producing abundant crops with irrigation. The soil of the remaining portion of the township is mostly third and fourth rate. The central and southern portions of the township are covered with a good growth of grass.

There is but little timber in the township, cottonwood, willow and ash are found along Pinal creek and scattering mesquite and cedar in other portions.

The township is drained by Pinal Creek, which runs through the western portion. This creek is usually dry through secs. 32, 29, 20, 19, and 18, but rises from the sand in Sec. 7, flowing a stream 25 feet wide and 10 inches deep. There are several springs in the township. Ash spring is in the northeast part of Sec. 22, Jasper Spring in Sec. 25, Radium Spring about in the middle of Sec. 35, Wog Spring in the northwest part of Sec. 26, Walnut Spring in the southeast part of sec. 25 and Sheep Spring in the northeast part of sec. 12.

The road from Globe to Roosevelt runs through the western part of the township. The settlement of Wheatfields is located in Sec. 7. The Radium mining camp is situated in Sec. 35, and the Wog camp in Sec. 26.

There are quite a number of settlers in this township who have made some substantial improvements on their land. Alfred Abernethy is located in the NE¼ of Sec.

Subdivision of Tp. 2 N., R. 15 E.

32, J. C. Phillips in the NW¼ of Sec. 32, Thos. Gerald in the NW¼ of Sec. 29, Mrs. J. Mankins in the NE¼ of Sec. 19, J.K.Murray in the SE¼ of Sec. 18, Mrs. Laura C. Hicks in the NE¼ of Sec. 18, Wm. Bernie in the SW¼ of Sec. 7, G. A. Russell in the SE¼ of Sec. 7, J. A. Vineyard in the SW¼ of Sec. 7, Frank Jones in the NW¼ of sec. 7, and Wm. Packard in the S.W¼ of Sec. 6.

Note: Where stones were set in a mound of stone it was impossible to set in ground on account of bed rock.

Boundaries of T. 2 N., R. 15 E.

Latitudes, departures and closing errors.

Line Designated	True Bearing	Distance	Latitudes N.	Latitudes S.	Departures E.	Departures W.	
Convergency							.48
South Bdy.	East	119.52			119.52		
" "	S.89°34'E.	40.41		.30	40.41		
" "	N.89°51'E'	39.16	.10		39.16		
" "	S.88°20'E.	39.66		1.16	39.64		
" "	S.89°51'E.	39.06		.10	39.06		
" "	S.88°09'E.	41.00		.61	41.00		
" "	N.89°27'E.	40.74	.39		40.74		
" "	N.89°00'E.	38.15	.67		38.14		
" "	S.89°38'E.	40.15		.26	40.15		
" "	S.89°37'E.	42.41		.28	42.41		
East "	North	480.00	480.00				
North "	S.89°55'W	480.12		.72		480.12	
West "	South	480.00		480.			
	Totals		481.16	483.42	480.25	480.60	
				481.16		480.25	
	Errors in lat. and dep.			2.26		.35	

Edgar C. Dietrich.
U. S. Deputy Surveyor.

For authority for red ink corrections see Deputy's Statement of February 4-1909 and letter of March 11-1909.

Note: In compliance with instructions from your office, I have destroyed all the meander corners within Tp. 2 N., R.15 E.

Edgar C. Dietrich,
U. S. Deputy Surveyor.

I, Edgar C. Dietrich, U. S. Deputy Surveyor, do solemnly swear that in pursuance of a contract received from Frank S. Ingalls, U. S. Surveyor General for Arizona, bearing date of May 2, 1906, and additional instructions, the above corrections were made by me.

Edgar C. Dietrich,
U. S. Deputy Surveyor.

Subscribed by said Edgar C. Dietrich, and sworn to before me this 4th day of February, 1909.

O. T. Richey,
U. S. commissioner.

(Seal).

Original oath duly filed.

BOOK 2104 32

Final Oaths of Deputy Surveyor and his Assistants.

LIST OF NAMES.

A list of the names of the individuals employed by Edgar C. Dietrich, 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 Subdivision Lines of T 2 N, R 15 E showing the respective capacities in which they acted:

Charles McCormick, *Chainman.*
Charles Durkee, *Chainman.*
W. K. Arnold, *Moundman.*
, *Moundman.*
Jas. Tweed, *Axman.*
, *Axman.*
Walter Tafel, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Edgar C. Dietrich, United States Deputy Surveyor, in surveying all those parts or portions of the Subdivision Lines of T 2 N, R 15 E of the Gila ~~and~~ Salt River 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.

Charles McCormick ✓, *Chainman.*
Charles Durkee ✓, *Chainman.*
, *Moundman.*
W. K. Arnold ✓, *Moundman.*
, *Axman.*
Jas. Tweed ✓, *Axman.*
Walter Tafel ✓, *Flagman.*

Subscribed and sworn to before me this 1st day of September, 1906, ~~189~~ ✓

W. G. Power
[illegible] Public Pima County, Arizona Territory.
[illegible] April 27th, 1908.

SEAL

6—151

33

BOOK 2104

Final Oath of United States Deputy Surveyor.

I, Edgar C. Dietrich, 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 2nd day of May, 1906, ~~189~~, 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 subdivision lines of T 2 N, R 15 E of the Gila and Salt River Base and Meridian of the 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; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Edgar C. Dietrich
United States Deputy Surveyor.

Subscribed by said Edgar C. Dietrich and sworn to before me this 7th day of February, 1907

SEAL

U.S. Commissioner

APPROVAL.

Office of the United States Surveyor General,

Phoenix, A.T., June 22nd, 1907

The foregoing field notes of the survey of the subdivisional lines of T. 2 N. R. 15 E. of the Gila and Salt River Base and Meridian in the Territory of Arizona.

executed by Edgar C. Dietrich D.S.
under his contract No. 140, dated May 2nd, 1906, ~~189~~, 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.

6—151

J—679.

Book B.

34
MAR 20 1908

BOOK 2104

Supplemental

FIELD NOTES

OF THE SURVEY OF THE

~~Exteriors and~~ subdivisional lines of T. 2N., R15E

~~R15E.~~

Of the Gila & Salt River Base & Meridian,

AS SURVEYED BY

Edgar C. Dietrich, United States Deputy Surveyor,

Under his Contract No. 140, dated May 2, 1906

Survey commenced Dec. 2, 1907.

Survey completed Dec. 7, 1907.

6—151

35

BOOK 2104

NAMES AND DUTIES OF ASSISTANTS.

E. C. Robinson.	chainman.
Chas. L. Robinson.	chainman.
Dan Roberts	moundman
John Quin	axman.
Frank Ray	flagman.

6—151

BOOK 2104

Supplemental.

INDEX DIAGRAM.

Township 2 N., Range 15 East.

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

Meanders Page

37

BOOK 2104

PRELIMINARY OATHS OF ASSISTANTS.

WE, E. C. Robinson and Chas. L. Small.

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 correcting the survey of Exteriors and subdivisional lines of T. 2N., R 15 E.

E. C. Robinson, Chainman.

Chas. L. Small, Chainman.

Subscribed and sworn to before me this 1st. day of December, 1907.

SEAL

U
~~E. C. Dietrich~~
U. S. Deputy Surveyor.
No. notary available.

~~WE~~ I, Dan Roberts 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 correcting the survey of Exteriors and subdivisional lines of T. 2N., R 15 E.

Dan Roberts, Moundman.

——, Moundman.

Subscribed and sworn to before me this 1st day of December, 1907.

SEAL

Edgar C. Dietrich
U. S. Deputy Surveyor.
No notary available.

~~WE~~ I, John Quin 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 correcting the survey of Exteriors and subdivisional lines of T. 2N., R 15 E.

John Quin, Axman.

——, Axman.

Subscribed and sworn to before me this 1st. day of December, 1907.

SEAL

Edgar C. Dietrich
U. S. Deputy Surveyor.
No notary available.

I, Frank Ray, 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 correcting the survey of Exteriors and subdivisional lines of T. 2N., R 15 E.

Frank Ray, Flagman.

Subscribed and sworn to before me this 1st. day of December, 1907.

SEAL

Edgar C. Dietrich
U. S. Deputy Surveyor.
No notary available.

6—151

Supplemental Report Contract No.140.
Corrections, Township 2 North, Range 15 East, Arizona.

Chains.	
	December 2nd, 1907.
	Begin at cor. to secs. 29,30,31 and 32, as described in original notes.
	At 9h.30m.,a.m., l.m.t., I set off 21° 52' S. on the decl.arc, and 33° 28' N. on the latitude arc, and determine a true meridian with the solar at above cor.
	Thence I run,
	S. 0° 5' E. on a true line, bet. secs.31 and 32.
	Over mountainous land, ascending through dense undergrowth.
2.70	Spur, extending NE. Leave dense undergrowth and descend.
13.20	Gulch, 20 lks.wide, course NE. Ascend.
33.00	Spur, extending NE. Descend.
40.00	Set a trachyte 21x12x5 ins., 16 ins. in the ground, for 1/4 sec.cor., marked 1/4 on W.face, and raise a mound of stone 2 ft.base, 1-1/2 ft.high, W.of cor.
50.45	Dry wash, 1 ch. wide, course E. Ascend.
52.85	Sharp spur extending E. Descend.
54.95	Gulch, 20 lks.wide, course E. Ascend.
75.70	Spur extending East. Descend.
79.58	Intersect South boundary of Tp. at 88 lks.East of cor. of secs.5 and 6, Tp.1 N., R. 15 E. heretofore described. Set a trachyte stone 18x14x14 ins., 12 ins.in the ground for closing cor. of secs.32 and 31, Tp.2 N., R.15 E., marked C C on N.face, with 5 grooves on the E. and 1 groove on the W.faces, and raise a mound of stone 2 ft.base, 1-1/2 ft.high, N.of cor.
	Land, mountainous.
	Spil, gravelly and stony, 3rd and 4th rate.
	Timber, a few cedars. Undergrowth, mesquite and tesota, and cacti.
	Land, mountainous, or covered with dense undergrowth, and land exceptionally difficult to survey, 79.58 chs.

Re orig. notes page 21

	From the cor. of secs.27,28,21 and 22, as described in original notes,
	I run,
	N.0° 2' W., on a true line, between secs. 21 and 22.
	Ascending over mountainous land.
9.70	Top of ridge, brs.NW. and SE. Descend.
22.00	Gulch, 20 lks.wide, course SW. Ascend.
31.00	Ridge top, brs.E. and W. Descend.
40.00	Set a silicate 18 x 10 x 6 ins., 12 ins.in the ground, for 1/4 sec.cor., marked 1/4 on W.face, and raise a mound of stones 2 ft.base, 1-1/2 ft. high, W.of cor.
50.20	Enter draw, course NW.
51.50	Stockade corral, 30 lks.west.
54.50	Leave draw.
55.60	Old stone foundation, 30 lks.East.
59.20	Top of W. slope of ridge. Descend.
62.50	Draw, 60 lks.wide, course SW. Ascend.
69.50	Ash Spring, 10.00 chs.E.
70.20	Top of ridge, brs. NE. and SW.
78.20	Draw, 60 lks.wide, course SW. Ascend.
80.00	Set a syenite 18x10x8 ins., 12 ins. in the ground, for cor.of secs.15,16,21 and 22, marked with 3 notches on S. and 3 notches on E.edges, and 2 N on NE. and 15 E on SE. faces, from which,
	A mesquite, 7 ins.diam., brs. S. 6-1/2°E., 138 lks. dist., marked T 2 N R 15 E S 22 B T.
	No other trees within limits, and raise a mound of stone 2 ft.base, 1-1/2 ft.high, W.of cor.
	Land, mountainous.

Re orig. notes page 15

Chains.	
	Soil, gravelly and stony; 3rd and 4th rate.
	Timber, scattering mesquite; undergrowth, mesquite and tesota, oak and cacti.
	Mountainous land, or land covered with dense undergrowth, or land exceptionally difficult to survey, 80.00 chs.
	December 2nd, 1907.
	I proceed to the 1/4 corner between secs. 15 and 22, as described in original notes, and run,
	S.89° 54' W., between secs. 15 and 22.
4.00	Ridge, extends NE. and SW.; descend.
13.60	Draw, 60 lks. wide, course SW.; ascend.
21.00	Ridge, extends NE. and SW.; descend.
35.50	Gulch, course SW.; ascend.
40.01	The cor. of secs. 15, 16, 21 and 22, heretofore described.
	From the cor. to secs. 15, 16, 21 and 22, I run,
	N. 0° 2' W., between secs. 15 and 16.
10.00	Ridge, extends E. and W., descend.
15.60	Dry wash, 20 lks. wide, course W., ascend.
20.00	Ridge, extends E. and W.; descend.
24.60	Draw, 150 lks. wide, course WSW.; ascend.
34.00	Ridge, extends NE. and SW; descend.
40.00	1/4 cor. to secs. 15 and 16, as described in original notes.
	From the corner to secs. 15, 16, 21 and 22, I run,
	N. 89° 57' W., between secs. 16 and 21.
22.50	Enter dense brush, extends NE. and SW.
26.00	Enter draw, course W.
39.20	Leave draw, course SW.; thence along N. side of draw.
40.02	Point for 1/4 sec. cor. falls on steep bank of draw.
40.50	To W. C. as described in original notes.
	Dec. 4th, 1907.
	At the corner of secs. 16, 17, 20 and 21, as described in original notes.
	At 9h. 50m. a.m., l.m.t., I set off 33° 3e' N. on the lat. arc; 22° 49' S. on the decl. arc, and determine a true meridian with the solar.
	Thence I run,
	N. 0° 2' W. on a true line bet. secs. 16 and 17.
	In draw, through dense mesquite and tesota brush.
.70	Road, ENE.
1.40	Leave draw, ascend.
6.00	Top brs. NE. Thence over gently rolling land.
28.00	Dry wash, 30 lks. wide, course SW. Ascend.
36.00	Top of ridge, brs. E. and W. Descend.
39.40	As point for cor. falls on bank of wash, at this point, I set a porphyry stone 18x6x6 ins., 12 ins. in the ground, for witness corner to 1/4 sec. cor., marked W C 1/4 on W. face, and raise a mound of stone 2 ft. base, 1-1/2 ft. high, W. of cor. Pits impracticable.
40.00	Corner point falls on bank of wash.
40.50	Dry wash, 20 lks. wide, course SW. Leave dense brush. Ascend.
48.80	Ridge, top, brs. E. and W. Descend steep.
53.00	Dry wash, 40 lks. wide, course W. Ascend.
56.40	Top of ridge, brs. E. and W. Descend.
65.85	Dry wash, 1.00 ch. wide. Ascend.
80.00	Set a porphyry stone, 18 x 3 x 6 ins., 12 ins. in the ground, for cor. of secs. 8, 9, 16 and 17, marked with 4 notches on S. and E. edges, and raise a mound of

See orig. notes page 15.

See orig. notes page 16.

See orig. notes page 19

See orig. notes page 19.

Chains.

stone 2 ft.base, 1-1/2 ft.high,W.of cor. Pits impracticable.
Land, mountainous and rolling.
Soil,gravelly and stony, 3rd and 4th rate.
Timber, a few mesquite; undergrowth,mesquite,tesota, ocotillo.
Mountainous land, land covered with dense undergrowth, or land exceptionally difficult to survey. 80.00 chs.

Re orig. notes page 26

From the corner of secs.8,9, 16 and 17, just described, I run,
West, on a true line, bet. secs.8 and 17.
Over mountainous land,descending.
25.00 Draw, 1.00 ch. wide, brs. NW. Ascend.
40.00 Set a porphyry stone 18x12x10 ins., 12 ins. in the ground,for 1/4 sec.cor.,marked 1/4 on N.face, and raise a mound of stone 2 ft.base, 1-1/2 ft.high,N. of cor. Pits impracticable.
43.00 Top of ridge, brs.NW. Begin gradual descent; enter dense brush.
47.50 Enter draw, brs. NW.
51.20 Leave draw, brs. NW.
80.00 Cor.of secs.7,8,17 and 18,as described in original notes.
Land, mountainous and rolling.
Soil, gravelly and stony, 3rd and 4th rate.
Timber, a few mesquite; undergrowth, mesquite, tesota, ocotillo, palo christo and Spanish bayonet cacti.
Land, mountainous, covered with dense undergrowth,or exceptionally difficult to survey,80.00 chs.

Re orig. notes page 26

From the 1/4 corner between secs. 9 and 16, as described in original notes, I run,
N. 89° 58' W., between secs.9 and 16.
7.00 Leave dense brush; descend.
17.50 Dry wash, 60 lks.wide, course SW., ascend.
31.00 Ridge, extends ENE. and WSW.; descend.
40.01 Cor.to secs. 8,9,16 and 17, heretofore described.

Re orig. notes page 26.

From cor. to secs. 8,9,16 and 17, I run,
N.0° 2' W., between secs.8 and 9.
19.00 Draw, 80 lks.wide, course SW., ascend.
24.00 Wire fence brs.NE. and SW.
33.70 Ridge, extends NE. and SW.; descend.
40.00 1/4 cor. to secs. 8 and 9, as described in original notes.
Dec. 4, 1907.

Re orig. notes page 28

Dec. 7, 1907, at 2h.20m.,p.m., l.m.t., at the cor.of secs. 1,6,7 and 12 on W. bdy.of Tp.,I set off 33°22'N.on the lat.arc, and 22° 34' S.on the decl.arc, and determine a true meridian with the solar.
From this cor., I run,
N.89°37'E. on a true line, bet. secs.6 and 7.
Over rolling land, descending through dense tesota.
5.00 W. A. Packard's ranch house, brs. 5.00 chs. N.
8.00 Leave dense tesota and enter Pinal Creek bottom,and heavy timber, brs. N. and S.
10.40 Dry ditch, 8 lks.wide,course N.
11.50 Wet ditch, 8 lks.wide, course N.
12.40 Middle of old channel, 3.00 chs.wide, course N.
15.10 Left bank Pinal Creek, course N. and S.
~~Set a trachyte stone,18x8x6 ins., 12 ins.in the ground, for meander cor.of frac. secs. 6 and 7,marked M C on~~

4. Supplemental notes-Corrections Tps. 2 N., R. 15 E.

Chains.

~~E. face and 5 grooves on S.face, from which,~~
~~An elder, 6 ins. diam., brs. S. 20°00'W., 263 lks. dist., marked T 2 N R 15 E S 7 M C B T.~~
~~A willow, 9 ins. diam., brs. N. 60°15'W., 173 lks. dist., marked T 2 N R 15 E S 6 M C B T.~~

Leave heavy timber.

19.30 To right bank of Pinal Creek, brs. NNW.

~~Set a trachyte stone 21x13x10 ins., 15 ins. in the ground, for meander cor. of frac. secs. 6 and 7, marked M C on W.face, with 5 grooves on S.face, from which,~~
~~A willow, 6 ins. diam., brs. S. 13-1/4°E., 108 lks. dist., marked T 2 N R 15 E S 7 M C B T.~~
~~A cottonwood, 12 ins. diam., brs. N. 25°E., 59 lks. dist., marked T 2 N R 15 E S 6 M C B T.~~

Re-enter heavy timber and dense undergrowth.

26.20 Wire fence brs. NW.; leave bottom and heavy timber.

Ascend.

26.40 Road from Globe to Roosevelt brs. NW.

37.00 Ridge, top, brs. NE. Descend.

40.24 Enter draw, course SW.

Set a porphyry stone, 18 x 10 x 8 ins., 12 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N.face, from which,
A mesquite, 5 ins. diam., brs. N. 72° E., 156 lks. dist., marked 1/4 S 6 B T.
A mesquite, 5 ins. diam., brs. S. 72° E., 155 lks. dist., marked 1/4 S 7 B T.

43.60 Leave draw, ascend.

50.00 Top of ridge, brs. NE.; leave dense undergrowth; descend.

54.30 Small wash, course S.; ascend.

59.00 Top of spur, extending S. Descend.

66.20 Draw, 2.00 chs. wide, course SSW.; ascend.

80.24 The cor. of secs. 5, 6, 7 and 8 as described in original notes.

Land, mountainous, rolling and level.

Soil, alluvial, sandy loam, gravelly and stony, 1st, 2nd, 3rd and 4th rate.

Timber, cottonwood, willow, mesquite, tesota and elder.

Undergrowth, tesota, mesquite, willow and arrowwood.

Land, mountainous, heavily timbered, or covered with dense undergrowth, or land exceptionally difficult to survey, 80.24 chs.

Dec. 7th, 1907.

In addition to the foregoing correction of lines, I have carefully and properly reset in accordance with the requirements of the Manual of Surveying Instructions the following mentioned corners, which were reported by the Examiner as not being up to the standard required, to-wit:

The cor. of secs. 8, 9, 16 and 17.
The cor. of secs. 16, 17, 20 and 21.
The cor. of secs. 21, 22, 27 and 28.
The cor. of secs. 27, 28, 33 and 34.
The cor. of secs. 29, 30, 31 and 32.
The closing cor. of secs. 33 and 34 on S. bdy. of Tp.
The W.C. to 1/4 sec. cor. bet. secs. 16 and 17.
The W.C. to 1/4 sec. cor. bet. secs. 16 and 21.
The 1/4 sec. cor. bet. secs. 21 and 22.
The 1/4 sec. cor. bet. secs. 27 and 28.
The 1/4 sec. cor. bet. secs. 33 and 34.
The 1/4 sec. cor. bet. secs. 29 and 32.
The 1/4 sec. cor. bet. secs. 31 and 32, and
The 1/4 sec. cor. bet. secs. 33 and 34, all of which are in T. 2 N., R. 15 E., Gila and Salt River Base and Meridian, Arizona.

Dec. 7th, 1907.

Edgar B. Dietrich
U. S. Deputy Surveyor.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

42

BOOK 2104

LIST OF NAMES.

A list of the names of the individuals employed by Edgar C. Dietrich, 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 Exteriors and subdivisional lines of T. 2 N., R 15 E. showing the respective capacities in which they acted:

E. C. Robinson, *Chainman.*
Chas. L. Small, *Chainman.*
Dan Roberts, *Moundman.*
, *Moundman.*
John Quin, *Axman.*
, *Axman.*
Frank Ray, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Edgar C. Dietrich, United States Deputy Surveyor, in correcting surveying all those parts or portions of the Exteriors and subdivisional lines of T. 2 N., R 15 E of the Gila & 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.

E. C. Robinson, *Chainman.*
Chas. L. Small, *Chainman.*
Dan Roberts, *Moundman.*
, *Moundman.*
, *Axman.*
John Quin, *Axman.*
Frank Ray, *Flagman.*

Subscribed and sworn to before me this 8th. day of December, 1907.

SEAL

Edgar C. Dietrich
U. S. Deputy Surveyor.
No notary available.

6—151

43

BOOK 2104

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Edgar C. Dietrich, 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 2nd day of May, 1906, 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, have corrected surveyed all those parts or portions of exteriors and subdivisional lines of T. 2 N., R 15 E.

of the Gila & Salt River Base & 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.

Edgar C. Dietrich
United States Deputy Surveyor.

Subscribed by said Edgar C. Dietrich, and sworn to before me this 6th day of February, 1908

James R. Dunseath
U. S. Commissioner 1st Jud. Dist,
Territory of Arizona.

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona March 16, 1909

The foregoing field notes of the survey of of corrections in T 2 N. R. 15 E

Gand S. R. B and M. Arizona

executed by Edgar C. Dietrich D. S.
under his contract No. 140, dated May 2, 1906, 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.

6—151