

2991

Book "B."
4-679

BOOK 1001

(1)

(Subdivisions and Resurvey Bdrs.)

FIELD NOTES

OF THE RETRACEMENT & RESURVEY

of

Parts of the South and East Boundaries, and

Part of the Subdivision lines

of

TOWNSHIP 11 NORTH, RANGE 7 WEST

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

William H. Richards, Jr., U. S. Transitman,

and

Chas. M. Pidgeon, U. S. Surveyor,

under instructions dated May 17, 1913,
issued by the Commissioner of the General Land Office.

Office,

Retracement and Resurvey commenced January 6, 1913.

Retracement and Resurvey completed January 19, 1913.

2991

1662

1A

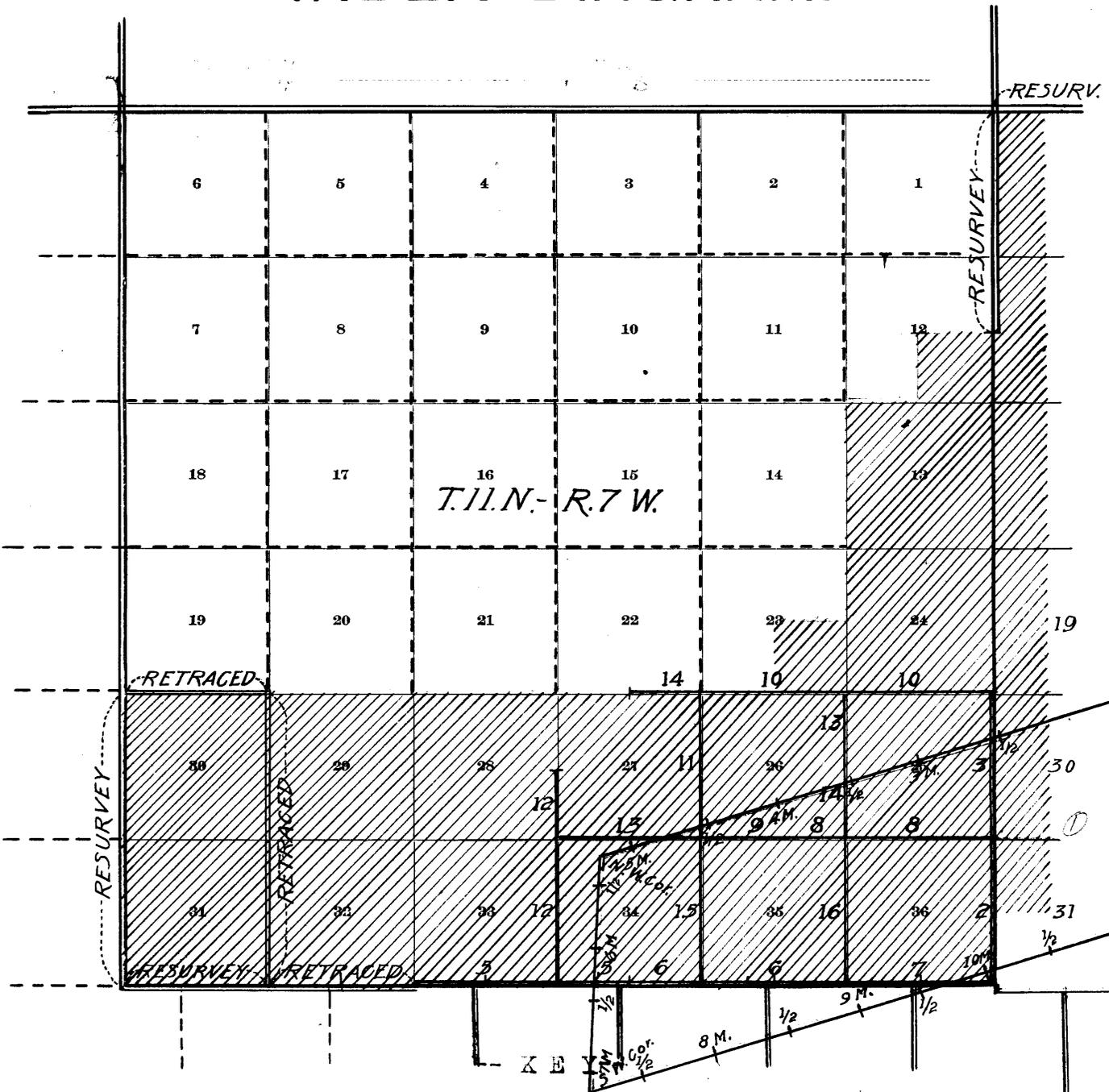
Book "B"

Group 70 - - - Arizona.

BOOK 2991

2991

INDEX DIAGRAM.



2990 ————— Notes in Book "A" (Bdrs. of Abandoned Date Creek Mil. Res.)

2991 ————— Notes in this Book (indexed).

2992 ————— Notes in Book "C."

2993 ————— Notes in book "D"

————— Executed under current Group No. 36.

————— Accepted surveys.

----- Unsurveyed lines.

////// Area surveyed as per accepted plats on file.

Retracements & Resurveys in Township 11 North, Range 7 West. 1B

Chains.

Retracements and resurveys described in this book, as executed by Charles M. Pidgeon, U.S. Surveyor, were commenced Jan. 6, 1913, and executed with a Lietz light mountain transit. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc, which is also the least reading of the verniers of the latitude and declination arcs.

The instrument was examined, tested on the true meridian at Cheyenne, Wyoming, found correct, and approved by the Surveyor General for Wyoming.

I examine the adjustments of the transit, and correct the level and collimation errors; then, to test the solar apparatus by comparing its indications resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris, I proceed as follows:

December 25, 1912: At a point near Camp Date Creek in sec. 30, T. 11 N., R. 6 W.; latitude, 34° 16' N.; longitude, 112° 55' 42" W., at 10 a.m., by my watch is one minute slow of local mean time, I observe Polaris at western elongation, in accordance with instructions in the Manual, and mark the line thus determined, by a tack in a wooden stake driven 5 chs. N. of my station. At 8h. 5m. a.m., I turn off the azimuth of Polaris 1° 24' to the east, and mark the meridian thus determined by a tack in a wooden stake driven in the ground east of the stake previously established.

Dec. 25, 1912.

Jan. 6, 1913. At 8h. 12m., a.m., l.m.t., I set off 34° 16' N. on the lat. arc; 22° 28' S. on the decl. arc; and mark a point in the meridian determined with the solar by a nail in the meridian stake 0.5 ins. east of the stellar meridian.

At 3h. 5m. p.m., l.m.t., I set off 34° 16' N. on the lat. arc; 22° 27½' S. on the decl. arc, and mark a point in the meridian determined with the solar by a nail in the meridian stake 0.4 ins. west of the stellar meridian.

The solar apparatus by a.m. and p.m. observations, defines positions for meridians respectively 21" east and 13" west of the stellar meridian; therefore, I conclude that the adjustments of the instruments are satisfactory.

RETRACEMENT OF SUBDIVISION LINE BET. SECS. 30 & 31, T. 11 N. R. 6 W.

Jan. 8, 1913. At the original cor. of secs. 29, 30, 31 and 32 in T. 11 N., R. 6 W., which is a granite stone, 6x7x10 ins. above ground, marked and witnessed as described by the surveyor general, at 8h. 15m., a.m., l.m.t., I set off 34° 15½' N. on the lat. arc; 22° 13' S. on the decl. arc, and determine a meridian with the solar.

Thence I run, West, on a random line, bet. secs. 30 and 31, T. 11 N., R. 6 W.

40.00
80.00

Find no trace of original ¼ sec. cor.
This point falls on lava bed, in a position corresponding closely with the description by the surveyor general of the location of the original cor. of secs. 25, 30, 31 and 36 on E. bdy. of Tp. 11 N., R. 7 W. No trace of said cor. found.
Set temp. sec. cor. at this point.

Retracement of part of East bdy. of Township 11 N., R. 7 W.

From the temp. cor. of secs. 25, 30, 31 & 36 on E. bdy. of Tp. 11 N., R. 7 W., South, on a random line, bet. secs. 31 and 36.

40.00
80.00

Find no trace of original ¼ sec. cor.
Find no trace of original cor. of Ts. 10 and 11 N., Rs. 6 and 7 W.
This point falls on N. slope of small spur. Set temp. Tp. cor. here.

2. Retracement of part of E bdy. of Township 11 North, Range 7 West

Chains.	I return to the temp. cor. of secs. 25, 30, 31 and 36 set by me, from which I run, North, on a random line, bet. secs. 25 and 30.
40.30	Fall 20 lks. E. of original $\frac{1}{4}$ sec. cor., which is a lava rock, 14x7x8 ins. in a mound of stone, marked and witnessed as described by the surveyor general. Continue line and measurement.
80.00	Find no trace of original cor. of secs. 19, 24, 25 and 30. Jan. 8, 1913.
	Thence I run, North, retracing the range line thru T. 11 N., but find no trace of old corners on this line.

Resurvey of part of East bdy. of Township 11 North, Range 7 West.	
	Jan. 17, 1913. At the SE. cor. of Tp. 11 N., R. 7 W., reestablished by Wm. H. Richards, Jr., U.S. Transitman, at a point 123.02 chs. south of the $\frac{1}{4}$ sec. cor. bet. secs. 25 and 30, as hereinafter described; at 8h. 3m., a.m., l.m.t., I set off $34^{\circ} 14\frac{1}{2}'$ N. on the lat. arc; $20^{\circ} 43\frac{1}{2}'$ S. on the decl. arc; and determine a meridian with the solar.
	Thence I run, North, on true line on east bdy. of sec. 36, ascending SE. slope, 25 ft. to
1.50	Top of ascent, brs. NE. and SW.; descend 60 ft. to
7.90	Small wash, course SW. Ascend.
9.42	Intersect S. bdy. of the Abandoned Date Creek Military Reservation, 1.07 chs. N. $73^{\circ} 26'$ E. of the 10 M. cor., established by me as described in Book "A."
	At point of intersection, I Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for closing cor. of secs. 31 and 36, with brass cap, marked, 1913, M R on N., and C C, Fl 1 N on S. half; R 7 W, S 36 in SW., and R 6 W, S 31 in SE. quadrants; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor. Pits impracticable.
	Ascend 175 ft. to
15.00	Top of mountain ridge, brs. NW. and SE.
	Continue along E. side of ridge.
28.00	Same ridge, brs. NE. and SW.
	Descend 200 ft. along N. slope of Date Creek Mountains.
35.12	(40.00 chs. from SW. cor. of T. 11 N., R. 6 W.) Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for re-established $\frac{1}{4}$ sec. cor. of sec. 31, with brass cap, marked 1913 $\frac{1}{4}$ S 31 on E. half; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor. Pits impracticable.
41.14	Set an iron post 3 ft. long, 1 in. in diam., 18 ins. in the ground, to solid rock, in a mound of stone, for reestablished $\frac{1}{4}$ sec. cor. to sec. 36, T. 11 N., R. 7 W., with brass cap, marked, 1913, $\frac{1}{4}$ S 36 on W. half; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
	Continue descending.
74.50	Wagon road brs. NE. and SW. in bottom of canon, course SW.
81.12	N. edge of canon. Thence over rocky mesa.
82.28	As topographical evidences indicate that this point is very near or identical with the position of the original cor.,
82.28	I set an iron post 3 ft. long, 3 ins. in diam., 12 ins. in ground, to solid rock, in a mound of stone, for reestablished cor. of secs. 25, 30, 31 and 36, with brass cap, marked,

Chains.

1913,
T11N on N. half;
R6W S30 in NE.,
R7W S25 in NW.,
S30 in SW., and
S31 in SE. quadrants;

and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.

Land, mountainous and rough, covered with large boulders. Soil, **scanty**, and much washed on the slopes, 3rd and 4th rate. Scattering greasewood brush, south 10 chs.

North, on a true line, bet. secs. 25 and 30.

Over slightly rolling mesa.

18.40 South edge of Date Dreek canon, 150 ft. deep.

19.20 Date Creek, running water, 10 lks. wide, 5 ins. deep, course W.

23.70 North edge of Date Creek Canon, 150 ft. deep.

Ascend gentle S. slope.

40.74 Intersect original ¼ sec. cor. hereinbefore described. I destroy the old ¼ sec. cor., and reestablish it in the same place as follows:

Set an iron post 3 ft. long, 1 in. in diam., 18 ins. in the ground, to solid rock, in a mound of stone, for reestablished ¼ sec. cor., with brass cap, marked

1913,
S25 on W., and
S30 on E. half;

and raise a mound of stone 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.

Continue over slightly rolling mesa.

56.24 Intersect N. bdy. of Abandoned Date Creek Military Reservation, .80 chs. S. 73°W. of the 2½ M. cor. established by me, as described in Book "A." At point of intersection,

I
Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground, for closing cor. of secs. 25 and 30, with brass cap, marked

1913
CC. T11N on the N., and
MR on the S. half;
R6W S30 in NE., and
R7W, S25 in NW. quadrants;

and raise a mound of stone 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.

74.48 No evidence of original cor. of secs. 19, 24, 25 and 30, Therefore, I make the N. half of this mile the same length as the S. half, and accordingly, at

81.48 Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for reestablished cor. of secs. 19, 24, 25 and 30, with brass cap, marked

1913,
T11N on N. half;
R6W S19 in NE.,
R7W, S24 in NW.,
S25 in SW., and
S30 in SE. quadrants;

and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.

Land, slightly rolling mesa.

Soil, sandy loam, covered with large boulders, 3rd rate. Scattering greasewood and cactus.

Jan. 17, 1913.

4. Retracement of part of South bdy of Township 11 N. R. 7 West.

Chains.

Retracements and resurveys hereinafter described were executed by William H. Richards, Jr., U.S. Transitman, and were commenced Jan. 13, 1913, and executed with a Young and Sons' light mountain solar transit No. 8570. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined, tested on the true meridian at Boise, Idaho, found correct, and approved by the surveyor general for Idaho, Oct. 26, 1912.

I examine the adjustments of the transit, and correct the level and collimation errors; then, to test the solar apparatus, by comparing its indications resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris, I set up on the stellar meridian previously determined by C. M. Pidgeon, U.S. Surveyor, at Camp Date Creek, as hereinbefore described.

At 8h. 5m. a.m., l.m.t., I set off $34^{\circ} 16'$ N. on the lat. arc; $21^{\circ} 27'$ S. on the decl. arc; and mark a point in the meridian thus determined by a nail in the meridian stake practically coincident with the stellar meridian.

At 4h. 7m., p.m., l.m.t., I set off $34^{\circ} 16'$ N. on the lat. arc; $21^{\circ} 24'$ S. on the decl. arc, and mark a point in the meridian thus determined by a nail in the meridian stake 0.5" east of the stellar meridian.

The solar apparatus by a.m. and p.m. observations, defines positions for meridians respectively coincident with, and 21" east of the stellar meridian; therefore, I conclude that the adjustments of the instrument are satisfactory.

January 15, 1913: At the temp. Tp. cor. of Ts. 10 and 11 N., Rs. 6 and 7 W. hereinbefore referred to by C. M. Pidgeon, U.S. Surveyor, and which I know from previous reconnaissance to be due east of the original cor. of secs. 2, 3, 34 and 35.

At 9h. 10m., a.m., l.m.t., I set off $34^{\circ} 14\frac{1}{2}'$ N. on the lat. arc; $21^{\circ} 07'$ S. on the decl. arc, and determine a meridian with the solar.

Thence, I run,

West, on a random line, on south bdy. of sec. 36.

40.00 Find no trace of original $\frac{1}{4}$ sec. cor.

80.00 Find no trace of original cor. of secs. 1, 2, 35 and 36.

Continue line and measurement, bet. secs. 2 and 35.

120.00 Find no trace of original $\frac{1}{4}$ sec. cor.

161.28 Intersect original cor. of secs. 2, 3, 34 and 35, which is a granite stone, 8x10x6 ins. above ground, marked with 2 notches on E. and 4 on W. edges, and firmly set witnessed by a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of stone.

From this sec. cor., I run,

West, on a random line on the S. bdy. of sec. 34.

41.60 Fall 73 lks. S. of the original $\frac{1}{4}$ sec. cor. bet. secs. 3 and 34, a granite stone 4x10x8 ins. above ground, marked and witnessed as described by the surveyor general.

True course and distance of this half mile is $S. 89^{\circ} 00' E.$, 41.61 chs.

From above described $\frac{1}{4}$ sec. cor., I run,

West, on random line. on W. $\frac{1}{2}$ of S. bdy. of sec. 34.

39.48 Fall 137 lks. north of the point for the original cor. of secs. 3, 4, 33 and 34, which I locate $N. 71^{\circ} E.$, 11 lks. dist., from old bearing tree, a cottonwood 20 ins. in diam.,

True course and dist. of W. $\frac{1}{2}$ of S. bdy. of sec. 34, is therefore $N. 88^{\circ} 01' E.$, 39.50 chs.

From this original cor. point, I run,

West, on a random line, on S. bdy. of sec. 33.

40.14 Fall 41 lks. S. of the original $\frac{1}{4}$ sec. cor., a granite stone 5x12x8 ins. above ground, marked and witnessed as described by the surveyor general.

The true course and distance of E. $\frac{1}{2}$ of S. bdy. of sec. 33 is

Retracement of part of S. bdy. of Township 11 North, Range 7 West. 5.

Chains.

therefore S.89° 25'E., 40.14 chs.

From original $\frac{1}{4}$ sec.cor. above described, I run, West, on a random line, on W. $\frac{1}{2}$ of S.bdy. of sec.33.

43.30 Fall 151 lks.S. of the original cor. of secs.4, 5, 32 and 33, a granite stone 10x12x12 ins. above ground, firmly set, marked and witnessed, as described by the surveyor general.

The true course and dist. of W. $\frac{1}{2}$ of S.bdy. of sec.33 is therefore S.88°00'E., 43.33 chs.

Resurvey of Part of S. bdy. of Township 11 North, Range 7 W.

From original cor. of secs.4, 5, 32 and 33, above described, I run,

S.88°00'E., on a true line on W. $\frac{1}{2}$ of S.bdy. of sec.33. Over flat bottom land, thru scattering brush.

41.97 West bank of gulch, 10 ft. deep, course S. Enter mountainous land, sloping south.

43.33 Intersect the original $\frac{1}{4}$ sec.cor. hereinbefore described, which I destroy and reestablish as follows:

Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground, supported by mound of stone, 2 ft. base, 1 ft. high built around post, for $\frac{1}{4}$ sec.cor., to sec.33, marked on brass cap;

$\frac{1}{4}$ S33 in N., and 1913 in S half;

no trees near. Pits impracticable. Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

Thence I run,

S.89°25'E., on a true line, on E. $\frac{1}{2}$ of S.bdy. of sec.33.

Along rocky S. slope.

6.40 Leave rocky S. slope, and enter heavily rolling land, brs. N. and S

19.00 Dry wash, 4 ft. deep, 8 lks. wide, course S.

36.30 Top of bluff, 25 ft. high, (right bank of Date Creek) brs. SW. and NE.

36.90 Enter bed of Date Creek, very little water, flowing SW.

40.14 Intersect original point for cor. of secs.3, 4, 33 and 34, located as hereinbefore described. At this point, I re-established the cor. to refer to secs. 33 and 34, T.11 N., R.7 W. only, as follows:

I set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for cor. of secs.33 and 34, with brass cap, marked

1912, T11N, R7W on N., and

T10 N. on S. half;

S34 in NE., and

S33 in NW. quadrants; from which,

A cottonwood, 20 ins. in diam., brs. N.71°E., 11 lks. dist., which I mark T 11N R7WS34 BT.

and raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.

Thence I run,

N.88°01' E., on true line, on W. $\frac{1}{2}$ of south bdy. of sec.34.

Over rolling land.

1.20 Leave Date Creek (dry bed) brs. SW. and NE.

15.00 Indian hut bears N.55 $\frac{1}{2}$ °E. about 5 chs. dist.

160.04 Intersect west bdy. of Abandoned Date Creek Military Reservation, 24.90 chs. S.1° 43' W. of the 6M. cor., established by Charles M. Pidgeon, U.S. Surveyor, as described in Book "A."

At point of intersection, I set an iron post 3 ft. long, 1 in. in diam., for closing cor. of secs. 4 and 34, Ts. 10 and 11 N., R.7 W., marked on brass cap,

1913 CC T11N R7W on N., and

T10N on S. half;

S34 in NW., and

S4 in SW. quadrant;

and raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.

6. Resurvey of part of South bdy. of Township 11 North, Range 7 W.

Chains.	
23.70	Dry wash, 10 lks. wide, course NW.; ascend.
27.20	Top of spur, 50 ft. above sec. cor. slopes N. Descend.
32.40	Dry creek bed, 15 lks. wide, course NW.
34.60	Wagon road, brs. N. and S.
39.50	Intersect original $\frac{1}{4}$ sec. cor. hereinbefore described. I destroy old cor. and reestablish it in the same place as follows: Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913, $\frac{1}{4}$ S34 on N. half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable. Thence I run, S. $89^{\circ} 00' E.$, on a true line, on E. $\frac{1}{2}$ of S. bdy. of sec. 34. Over rolling land.
2.00	Indian Camp brs. N. $35\frac{1}{2}^{\circ} W.$, 8 chs. dist.
10.80	Dry wash, 10 lks. wide, course NW.
30.60	Rocky knob 250 ft. high; descend 50 ft. to
32.50	Dry wash, course NE. Continue over extremely rocky country.
41.61	The original cor. of secs. 2, 3, 34 and 35, hereinbefore described, and which I destroy. Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for reestablished cor. of secs. 34 and 35, T. 11 N., R. 7 W., with brass cap, marked 1913 T11N, R7W on N., and T10N on S. half; S35 in NE., and S34 in NW. quadrants, and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable. Land, rolling and mountainous. Soil, light, poor, sandy, rocky loam, 3rd and 4th rate. Scattering mesquite. Fringe of willows, along Date Creek. Jan. 15, 1913.

Jan. 16, 1913: At 8h. 35m., a.m., l.m.t., at the cor. of secs. 34 and 35, T. 11 N., R. 7 W., described above, I set off $34^{\circ} 14\frac{1}{2}' N.$ on the lat. arc; $20^{\circ} 55\frac{1}{2}' S.$ on the decl. arc; and determine a meridian with the solar. There being no original cors. in existence on the E. two miles of this Tp. line, I reestablish same at proportionate distances as follows: East, on a true line, on S. bdy. of sec. 35. Over extremely rough and rocky mountainous land. Ascend 270 ft. to top of spur.	
17.50	Dry wash, 10 lks. wide, course NW.
33.00	Top of spur, slopes N. Descend 75 ft. to
39.70	Dry wash, course N. Ascend.
40.32	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor. to sec. 35, T. 11 N., R. 7 W., with brass cap, marked 1912, $\frac{1}{4}$ S 35 on N. half; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable. Ascend 55 ft. to
49.25	Top of spur, slopes NW. Descend 60 ft. to
54.55	Dry wash, course NW. Ascend.
80.64	Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in ground for reestablished cor. of secs. 35 and 36, T. 11 N., R. 7 W., with brass cap, marked, 1913, T11N R7W on N., and T10N on S. half; S36 in NE., and S35 in NW. quadrants; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Land, mountainous and rocky. Soil, poor sandy loam and boulders, 4th rate.

8. Retracement Subdivision lines bet. secs. 25 & 36, & bet. secs. 26 & 35. T11N R71W

Chains.

- From temp. cor. of secs. 25, 26, 35 and 36, I run,
S. 89° 53' W. (original course) on random line, bet. secs. 26
and 35.
- 40.00 Fall 29 lks. N. of remains of original $\frac{1}{4}$ sec. cor., a granite
stone, 14x10x8 ins. lying on the ground, marked $\frac{1}{4}$ on upper
face. Unable to find evidence of original position.
Continue line and measurement.
- 80.50 Fall 45 lks. N. of the original cor. of secs. 26, 27, 34 and 35,
which is a sandstone 14x13x8 ins., 9 ins. in the ground,
marked and witnessed as described by the surveyor gener-
al.
- True course and dist. of line bet. secs. 26 and 35 is there-
fore S. 89° 34' W., 80.50 chs.

Resurvey of Subdivision lines bet. secs. 25 & 36, and bet.
secs. 26 and 35.

Jan. 14, 1913, continued.

- I return to the reestablished cor. of secs. 25, 30, 31 and
36, on the E. bdy. of the Tp. hereinbefore described.
Thence I run,
S. 89° 34' W., on a true line, bet. secs. 25 and 36.
Over rolling mesa.
- 1.50 Edge of bluff. bears NW. and SE.
Descend rocky W. slope, 50 ft. to Date Creek.
- 15.20 Wagon road brs. NW. and SE.
- 17.10 Dry bed of Date Creek, 35 lks. wide, course SW.
Thence over level valley, thru. thick brush.
- 40.77 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the
ground, for reestablished $\frac{1}{4}$ sec. cor., with brass cap,
marked,
1912, $\frac{1}{4}$ S 25 on N., and
S 36 on S. half;
and raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of
cor. Pits impracticable.
- 50.00 Dry wash, 25 lks. wide, course SW.
- 72.10 Dry wash, 20 lks. wide, course SW.
- 72.70 Wire fence brs. NE. and SW. Enter Frank Fogel's field.
- 81.54 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in
the ground for reestablished cor. of secs. 25, 26, 35 and
36, with brass cap, marked,
1912, R7W S25 in NE.,
T11N S26 in NW.,
S35 in SW., and
S36 in SE. quadrants;
dig pits 18x18x12 ins., in each sec. 5 $\frac{1}{2}$ ft. dist., and
raise mound of earth 4 ft. base. 2 ft. high, W. of cor.
Land, rolling and level.
Soil, east 70.00 chs. light, sandy, 3rd rate. West 10.00
chs., rich dark loam, 12 ins. deep, 1st rate.
Narrow fringe of willows along Date Creek.
Thick brush in creek bottom 50 chs.

S. 89° 34' W., on true line, bet. secs. 26 and 35.
Over meadow land.

- 2.50 Wire fence brs. NE. and SW.
- 6.70 Wire fence brs. NW. and SE.
- 10.50 Wire fence brs. NE. and SW.
- 11.90 Wire fence brs. NE. and SW.
- 14.75 Wire fence brs. N. and S.
- 15.20 Wire fence brs. NE. and SW.
- 16.80 House of Frank Fogel, brs. S. 2 chs. dist. Leave meadow.
- 20.90 Dry wash, 15 lks. wide, course SW.
Continue over low rolling sand hills.
- 39.80 Dry wash, 10 lks. wide, course SW.
- 40.25 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
the ground, for reestablished $\frac{1}{4}$ sec. cor., with brass

Resurvey of Subdivision lines bet. secs. 25 & 36, and bet. secs. 26 & 35 9

Chains.

cap, marked

1912, $\frac{1}{4}$ S26 on N., and
S35 on S. half;and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of
cor. Pits impracticable.

49.70 Dry wash, 10 lks. wide, course S.

58.00 Dry wash, 15 lks. wide, course SE.

80.50 Intersect the original cor. of secs. 26, 27, 34 and 35, herein-
before described. I destroy the old cor., and reestab-
lish cor. in same place as follows:Set an iron post, 3 ft. long, 2 ins. indiam., 24 ins. in
the ground, for cor. of secs. 26, 27, 34 and 35, with brass
cap, marked

1912, R7W S26 in NE.,

T11N S27 in NW.,

S34 in SW., and

S35 in SE. quadrants;

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of
cor. Pits impracticable.

Land, level and rolling.

Soil, east 17.00 chs., rich dark loam, 1st rate; west, 63.00
chs., poor, sandy, and rocky, 3rd rate.

Scattering mesquite brush.

RETRACEMENT OF SUBDIVISIONAL LINES BET. SECS. 24 AND 25, BET.
23 AND 26, AND BET. SECS. 26 AND 27.From the cor. of secs. 19, 24, 25 and 30, on the E. bdy. of the
Tp., reestablished by C. Has. M. Fidgeon, U.S. Surveyor, as
hereinbefore described,

I run,

S. $89^{\circ}54'$ W. (original course), on a random line, bet. secs. 24
and 25.40.05 Find no trace of original $\frac{1}{4}$ sec. cor.81.89 Fall 145 lks. N. of the original cor. of secs. 23, 24, 25 and
26, which is a lava stone 6x9x6 ins. above ground,
marked and witnessed as described by the surveyor-
general.The true course and dist. of line bet. secs. 24 and 25 is
therefore S. $88^{\circ}53'$ W., 81.90 chs.From original cor. of secs. 23, 24, 25 and 26, I run,
N. $89^{\circ}57'$ W., (original course), on a random line, bet. secs.
23 and 26.39.76 Fall 38 lks. north of original $\frac{1}{4}$ sec. cor., a granite stone
5x8x7 ins. above ground, marked and witnessed as de-
scribed by the surveyor general.True course and dist. of E. $\frac{1}{2}$ bet. secs. 23 and 26 is there-
fore S. $89^{\circ}30'$ W., 39.76 chs.80.09 Continue line and measurement on W. $\frac{1}{2}$, bet. secs. 23 and 26.
Fall 58 lks. N. of the original cor. of secs. 22, 23, 26 and
27, a granite stone 6x15x14 ins. above ground, marked
and witnessed as described by the surveyor general.True course and dist. of W. $\frac{1}{2}$, bet. secs. 23 and 26 is there-
fore S. $89^{\circ}46'$ W., 40.33 chs.From original cor. of secs. 22, 23, 26 and 27, described
above, I run,

South, on a random line, bet. secs. 26 and 27.

40.51 Fall 8 lks. E. of original $\frac{1}{4}$ sec. cor., a sandstone, 6x14x10
ins. above ground, marked and witnessed as described
by the surveyor general.True course and dist. of N. $\frac{1}{2}$ bet. secs. 26 and 27 is there-
fore S. $0^{\circ}7'$ W., 40.51 chs.80.71 Continue line and measurement on S. $\frac{1}{2}$, bet. secs. 26 and 27.
Fall 7 lks. west of the cor. of secs. 26, 27, 34 & 35, reestab-
lished by me as hereinbefore described.

Resurvey of Subdivision lines bet. secs. 24 and 25, bet. secs. 23 and 26 and bet. secs. 26 and 27.

- Chains. True course and dist. of S. $\frac{1}{2}$ bet. secs. 26 and 27 is therefore S. $0^{\circ}13'E.$, 40.20 chs.
-
- From the reestablished cor. of secs. 19, 24, 25 and 30, on the E. bdy. of the Tp., hereinbefore described,
I run,
S. $88^{\circ}53'W.$, on a true line, bet. secs. 24 and 25.
Over rolling, mesa land.
- 30.00 Begin descent of steep west slope, over lava boulders.
31.00 Ravine, 25 lks. wide, course SW. 90 ft. below sec. cor.
Ascend rough, east slope, 85 ft.
40.95 Set an iron post 3 ft. long, 1 in. in diam., 20 ins. in the ground to solid rock, in a mound of stone, for reestablished $\frac{1}{4}$ sec. cor., with brass cap, marked
1912 $\frac{1}{4}$ S24 on N., and
S25 on S. half;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
- 41.50 Descend into draw, course SE.
52.30 Ravine, 15 lks. wide, course SE., 60 ft. below $\frac{1}{4}$ sec. cor.
Ascend gradually on broken east slope, 50 ft. to sec. cor.
64.10 Wagon road, Fogel's ranch to Date Creek station, brs. NE. and SW.
81.90 Intersect the original cor. of secs. 23, 24, 25 and 26, hereinbefore described. I destroy old cor., and reestablish cor. in same place as follows:
Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 23, 24, 25 and 26, with brass cap, marked
1912, R7W S24 in NE.,
T11N S23 in NW.,
S26 in SW., and
S25 in SE. quadrant; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Land, rolling and broken, covered with large boulders.
Soil, sandy and gravelly, 3rd and 4th rate.
Scattering mesquite.
-
- S. $89^{\circ}30'W.$, on a true line, on E. $\frac{1}{2}$, bet. secs. 23 and 26.
Over rolling, mesa land.
- 30.00 Begin descent of gentle W. slope, over large boulders.
39.76 Intersect the original $\frac{1}{4}$ sec. cor. hereinbefore described.
I destroy the old cor., and reestablish cor. in same place as follows:
Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
1912, $\frac{1}{4}$ S23 on N., and
S26 on S. half;
and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
- Thence I run,
S. $89^{\circ}46'W.$, on a true line on W. $\frac{1}{2}$ bet. secs. 23 and 26.
- 3.96 Dry wash, 10 lks. wide, course SW.
6.13 Wagon road brs. NE. and SW. to Indian Camp.
Ascend gradual E. slope.
-20.43 Rocky spur, 75 ft. above wash, slopes S.
40.33 Intersect the original cor. of secs. 22, 23, 26 and 27, hereinbefore described. I destroy the old cor., and reestablish cor. in same place as follows:
Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 22, 23, 26 and 27, with brass cap, marked
1912 R7W S22 in NE.,
T11N S23 in NW.,
S27 in SW., and
S26 in SE. quadrants;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
Land, rolling and broken.
Soil, sandy, gravelly, loam, covered with large boulders, 3rd rate. Scattering mesquite.

Resurvey of part of Subdivision lines in Township 11 N., R. 7 West, 11

Chains.

- S. 0° 07' W. on a true line, on N. $\frac{1}{2}$, bet. secs. 26 and 27.
Over rolling land; descend.
- 21.60 Dry wash, 25 lks. wide, course SW.
Wagon road in bottom of wash, brs. NE. and SW. Ascend.
- 30.00 Rocky spur, slopes SW. 50 ft. above sec. cor. Descend.
- 31.80 Wire fence brs. NE. and SW.
- 40.51 Intersect the original $\frac{1}{4}$ sec. cor. hereinbefore described.
I destroy old cor., and reestablish cor. in same place as follows:
Set an iron post 3 ft. long, 1 in. in diam., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked,
 $\frac{1}{4}$ S 27 on W., and
 S 26 on E. half;
and raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
Thence I run,
S. 0° 13' E., on a true line on S. $\frac{1}{2}$, bet. secs. 26 and 27.
Ascend rocky NW. slope.
- 12.00 Rocky spur, 50 ft. above $\frac{1}{4}$ sec. cor. slopes SW. Descend.
- 28.80 Head of draw, 60 ft. below spur, course SE. Ascend.
- 32.26 Intersect N. bdy. of the Abandoned Date Creek Military Reservation, 9.94 chs. S. 73° W. of the 4 $\frac{1}{2}$ M. cor., established by Charles M. Pidgeon, U.S. Surveyor, and described in Book "A."
At point of intersection, I
Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for closing cor. of secs. 26 and 27, with brass cap, marked,
 CC, 1912,
 R7W S26 in NE., and
 T11N S27 in NW. quadrants,
 M R on S. half;
and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
- 40.20 Intersect the cor. of secs. 26, 27, 34 and 35, reestablished by me, as hereinbefore described.
Land, rolling and broken.
Soil, sandy clay loam, 3rd rate.

Jan. 14, 1913.

Retracement of Subdivision lines bet. secs. 27 and 34, bet. secs. 33 and 34, and S. $\frac{1}{2}$ bet. secs. 27 and 28.

- Jan. 15, 1913: At 8h. 6m. a.m., 1.m.t., at the cor. of secs. 26, 27, 34 and 35, reestablished by me, as hereinbefore described, I set off 34° 15 $\frac{1}{2}$ ' N. on the lat. arc; 21° 06' S. on the decl. arc, and determine a meridian with the solar.
- Thence I run,
S. 89° 52' W. (original course), on a random line, bet. secs. 27 and 34.
- 40.55 Fall 1 link south of original $\frac{1}{4}$ sec. cor., a granite stone 5x7x6 ins. above ground, marked and witnessed as described by the surveyor general.
True course and dist. of E. $\frac{1}{2}$, bet. secs. 27 and 34 is therefore N. 89° 53' E., 40.55 chs.
Continue line and measurement.
- 79.80 Find no trace of original cor. of secs. 27, 28, 33 and 34.
Set temp. sec. cor. at this point.

-
- From temp. cor. of secs. 27, 28, 33 and 34, I run,
South, on a random line, bet. secs. 33 and 34.
 - 40.00 Find no trace of original $\frac{1}{4}$ sec. cor.
 - 81.31 Intersect S. bdy. of the Tp., 72 lks. E. of the cor. of secs. 33 and 34, reestablished by me, as hereinbefore described.
-

12 Retracement of Subdivision lines bet. secs. 27 & 34, 33 & 34 & S¹/₂ bet. 27 & 28

Chains

I return to the temp. cor. of secs. 27, 28, 33 and 34.
Thence I run,
North, on a random line, bet. secs. 27 and 28.
41.06 Fall 132 lks. E. of the original $\frac{1}{4}$ sec. cor., a granite stone,
5x8x9 ins. above ground, marked and witnessed as described
by the surveyor general.
The true course and dist. of line from cor. of secs. 33 and 34,
on S. bdy. of Tp., to this $\frac{1}{4}$ sec. cor. is therefore N. 0°
17' W. . 122.37 chs.

Resurvey of Subdivision lines bet. secs. 33 and 34, bet. secs.
27 and 34, and S. $\frac{1}{2}$ bet. secs. 27 and 28.

From the cor. of secs. 33 and 34, on S. bdy. of Tp., reestab-
lished by me, as hereinbefore described, I resurvey the
lines bet. secs. 33 and 34, bet. secs. 27 and 34, and S. $\frac{1}{2}$
bet. secs. 27 and 28, reestablishing the $\frac{1}{4}$ sec. and sec.
cors. at intervals proportional to the original distances,
as follows:
N. 0° 17' W., on true line, bet. secs. 33 and 34.
Over rolling land; descend.
1.20 Date Creek, 25 lks. wide, 4 ins. deep, course SW.
2.00 North bank of Date Creek, 10 ft. high; ascend.
9.30 Wooden fence, brs. NE. and SW.
Old Indian hut, brs. S. 80° W., 2.00 chs. dist.
16.00 Top of low spur, 25 ft. above sec. cor., brs. E. and W. De-
scend.
19.80 Dry wash, course SE. Ascend.
20.80 Wagon road, brs. NW. and SE.
36.35 Top of ridge, 75 ft. above creek, brs. NW. and SE. Descend.
40.79 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the
ground, for reestablished $\frac{1}{4}$ sec. cor., with brass cap,
marked,
1913 S33 on W., and
S 34 on E. half;
and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of
cor. Pits impracticable.
48.60 Dry gulch, 90 ft. below $\frac{1}{4}$ sec. cor., course E. Ascend.
71.60 Wagon road brs. NE. and SW.
81.58 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in
the ground, for reestablished cor. of secs. 27, 28, 33 and
34, with brass cap, marked,
1913, R77 S27 in NE.,
T11N, S28 in NW.,
S33 in SW., and
S34 in SE. quadrants;
and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of
cor. Pits impracticable.
Land, rolling.
Soil, light, poor and sandy, 3rd rate.
Scattering mesquite; fringe of cottonwoods and willows
along Date Creek.

N. 0° 17' W. on true line on S. $\frac{1}{2}$, bet. secs. 27 and 28.
Over rolling, rocky land, ascending.
1.05 Dry wash, 25 lks. wide, course SE.
16.25 Dry wash, 15 lks. wide, course SE.
Ascend into low hills, covered with large boulders.
39.20 Ridge, brs. NE. and SW., 210 ft. above sec. cor. Descend.
40.79 Intersect the original $\frac{1}{4}$ sec. cor. hereinbefore described.
Land, rough and hilly.
Soil, rocky, 4th rate.

I return to the reestablished cor. of secs. 27, 28, 33 and 34.
Thence I run,

Resurvey of part of the Subdivision lines of T. 11 N., R. 7 W., 13.

Chains.

S. $89^{\circ}46'$ E., on true line, on W. $\frac{1}{2}$, bet. secs. 27 and 34.
Over rolling land. Descend.

5.77 Dry wash, 25 lks. wide, course SE. Ascend.

11.62 Wagon road to Date Creek Station, brs. NE. and SW.

13.55 Dry wash, 20 lks. wide, course SW. Ascend.

20.96 Wagon road brs. NE. and SW.

35.35 Top of low spur, 50 ft. above sec. cor., slopes S.

40.37 Intersect the original $\frac{1}{4}$ sec. cor., hereinbefore described.
I destroy the old $\frac{1}{4}$ sec. cor., and reestablish cor. in same place as follows:
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked, 1913, S27 on N., and S34 on S. half;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.

Thence I run,
N. $89^{\circ}53'$ E., on a true line on E. $\frac{1}{2}$, bet. secs. 27 and 34.
Over rolling land.

12.65 Wire fence brs. NW. and SE.

13.00 Dry wash, course south.

14.31 Intersect N. bdy. of the Abandoned Date Creek Military Reservation, 2.71 chs. N. 73° E. of 5M. cor., established by Charles M. Pidgeon, U.S. Surveyor, as described in Book "A.". At point of intersection, I
Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for closing cor. of secs. 27 and 34, with brass cap, marked,
CC, 1913,
T11N R7W, S27 in NW., and
S34 in SW. quadrant;
and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.

21.65 Dry wash, 20 lks. wide, course SE.

33.45 Dry wash, 15 lks. wide, course SE.

40.55 Intersect the cor. of secs. 26, 27, 34 and 35, reestablished by me, as hereinbefore described.
Land, rolling and hilly.
Soil, light sandy loam, 3rd rate.
Scattering mesquite.

Jan. 15, 1913.

Retracement of line bet. sections 25 and 26.

Jan. 17, 1913. At 9h. 7m. a.m., l.m.t., I set off $34^{\circ}16\frac{1}{2}'$ N. on the lat. arc; $20^{\circ}44'$ S. on the decl. arc, and determine a meridian with the solar at the cor. of secs. 23, 24, 25 and 26, reestablished by me, as hereinbefore described.
Thence, I run,
South, on a random line, bet. secs. 25 and 26.

40.00 Find no trace of the original $\frac{1}{4}$ sec. cor.

80.72 Fall 30 lks. W. of the cor. of secs. 25, 26, 35 and 36, reestablished by me, as hereinbefore described.
Thence I run,
South, on a random line bet. secs. 25 and 26.

40.00 Find no trace of the original $\frac{1}{4}$ sec. cor.

80.72 Fall 30 lks. west of the cor. of secs. 25, 26, 35 and 36, reestablished by me, as hereinbefore described.
True course and dist. of line bet. secs. 25 and 26 is therefore S. $0^{\circ}13'$ E., 80.72 chs.

Resurvey of line between secs. 25 and 26.

From the reestablished cor. of secs. 23, 24, 25 and 26, hereinbefore described, I run,
S. $0^{\circ}13'$ E., on true line, bet. secs. 25 and 26.
Over rolling mesa land.

24.50 Top of bluff, brs. NW. and SE.
Descend 75 ft. into Date Creek Valley.

34.00 Foot of descent, brs. NW. and SE.

14. Resurvey of part of Subdivision lines in Township 11 North, Range 7 W.

Chains.

40.36 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for reestablished $\frac{1}{4}$ sec. cor., with brass cap, marked,

1913, $\frac{1}{4}$ S26 on W., and
S 25 on E. half;

and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.

46.56 Wagon road brs. E. and W.

48.79 Intersect N. bdy. of the Abandoned Date Creek Military Reservation, 6.00 chs. S. 73° W. of the $9\frac{1}{2}$ M. cor., established by Charles M. Pidgeon, U.S. Surveyor, as described in Book "A."

At point of intersection, I

Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for closing cor. of secs. 25 and 26 with brass cap, marked

1913, CC,
R7W S25 in NE., and
T11N S26 in NW. quadrants;

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.

49.00 Offset S. $89^\circ 47'$ E., 3.46 chs. to avoid pond.

53.40 North edge of pond.

60.30 South edge of pond.

60.35 Irrigation ditch, 6 lks. wide, 10 ins. deep, course W.

60.53 Wire fence brs. NW. and SE.

Enter cultivated field of Frank Fogel.

67.40 Offset N. $89^\circ 47'$ W., 3.46 chs. to sec. line.

78.70 Wire fence brs. NE. and SW.

80.72 Intersect the reestablished cor. of secs. 25, 26, 35 and 36, hereinbefore described.

Land, rolling and level.

Soil, sandy loam, covered with large boulders, 60 chs. N.

4th rate; S. 20 chs., dark clay loam, 1st rate.

Undergrowth, near pond 4 chs. Low willows.

Jan. 17, 1913.

Retracement of E. $\frac{1}{2}$ of line bet. secs. 22 and 27.

Jan. 18, 1913: At 8h. 45m., a.m., l.m.t., at the cor. of secs. 22, 23, 26 and 27, reestablished by me, as hereinbefore described, I set off $34^\circ 16\frac{1}{2}'$ N. on the lat. arc; $20^\circ 32'$ S. on the decl. arc, and determine a meridian with the solar.

Thence I run,

N. $89^\circ 54'$ W. (original course), on a random line, bet. secs. 22 and 27.

40.23 Fall 25 lks. S. of remains of the original $\frac{1}{4}$ sec. cor., a granite stone, 12x7x6 ins., lying in a mound of stone, faint markings on one face.

True course and dist. of E. half of line, bet. secs. 22 and 27 is therefore N. $89^\circ 33'$ W., 40.23 chs.

Jan. 18, 1913 (to be continued)

Resurvey of East half of line bet. secs. 22 & 27, T. 11N. R. 7W.

Jan. 18, 1913, (continued)

From the reestablished cor. of secs. 22, 23, 26 and 27, hereinbefore described,

I run,

N. $89^\circ 33'$ W., on true line on E. $\frac{1}{2}$, bet. secs. 22 and 27.

Over rolling and mountainous land.

9.76 Dry wash, 25 lks. wide, course SW.

Ascend rocky and broken east slope, 145 ft. to

33.00 Top of rocky spur, slopes SE.

Descend SW. slope, 60 ft. to

40.23 Intersect the original $\frac{1}{4}$ sec. cor., hereinbefore described.

I destroy the old $\frac{1}{4}$ sec. cor., and reestablished the cor. in the same place as follows:

Resurvey of East half of line bet. secs. 22 and 27. T. 11 N. R. 7 W. 15

Chains.

Set an iron post 3 ft. long, 1 in. indiam., 16 ins. in the ground to solid rock, in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap, marked
1913,
 $\frac{1}{4}$ S 22 on N., and
S27 on S. half;
and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
Land, rolling and mountainous.
Soil, sandy rocky loam, 4th rate.

Retracement of line between secs. 34 and 35.

- From the reestablished cor. of secs. 26, 27, 34 and 35, hereinbefore described,
I run,
South, on a random line, bet. secs. 34 and 35.
40.37 Fall 19 lks. W. of the original $\frac{1}{4}$ sec. cor., a granite stone, 7x7x6 ins. above ground, marked and witnessed as described by the surveyor general.
True course and dist. of N. half, bet. secs. 34 and 35 is therefore S. $0^{\circ}16'$ E., 40.37 chs.
Continue line and measurement.
80.96 Fall 53 lks. W. of the cor. of secs. 34 and 35 on the S. bdy. of the Tp., reestablished by me, as hereinbefore described.
True course and dist. of S. $\frac{1}{2}$ bet. secs. 34 and 35 is therefore S. $0^{\circ}29'$ E., 40.59 chs.
Jan. 18 (to be continued)

Resurvey of line between secs. 34 and 35.

- From the reestablished cor. of secs. 26, 27, 34 and 35, hereinbefore described, I run,
S. $0^{\circ}16'$ E. on true line, on N. $\frac{1}{2}$, bet. secs. 34 and 35.
Over rolling land.
20.84 Dry wash, 10 lks. wide, course SE.
24.50 Wire fence brs. NW. and SE.
34.36 Dry wash, 15 lks. wide, course SE.
40.37 Intersect the original $\frac{1}{4}$ sec. cor., hereinbefore described. I destroy the old $\frac{1}{4}$ sec. cor., and reestablish cor. in same place as follows:
Set an iron post, 3 ft. long, 1 in. indiam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
1913, $\frac{1}{4}$ S 34 on W., and
S35 on E. half;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft high, W. of cor. Pits impracticable.
Thence I run,
S. $0^{\circ}29'$ E., on true line, on S. $\frac{1}{2}$, bet. secs. 34 and 35.
Over rolling land.
8.33 North bank of Date Creek, 30 lks. wide, 5 ins. deep, course SW.
15.63 Wagon road brs. NE. and SW.
20.93 Begin ascent of steep rocky slope into Date Creek mountains.
35.77 Sand wash, 15 lks. wide, course NW.
40.59 Intersect the cor. of secs. 34 and 35 on S. bdy. of the Tp., reestablished by me, as hereinbefore described.
Land, rolling and hilly.
Soil, light and sandy, 3rd rate.
Fringe of willows along Date Creek.

Jan. 18, 1913.

16. Retracement of line between sections 35 and 36.

Chains

Jan. 19, 1913. At 8h. 4m. a.m., l.m.t., at the cor. of secs. 25, 26, 35 and 36, reestablished by me, as hereinbefore described, I set off $34^{\circ} 15\frac{1}{2}'$ N. on the lat. arc; $20^{\circ} 19'$ S. on the decl. arc; and determine a meridian with the solar.

Thence I run,

South, on a random line, bet. secs. 35 and 36.

40.00 Find no trace of original $\frac{1}{4}$ sec. cor.

Continue line and measurement,

81.67 Fall 85 lks. W. of cor. of secs. 35 and 36, on S. bdy. of Tp., reestablished by me, as hereinbefore described. True course and distance of line bet. secs. 35 and 36 is therefore S. $0^{\circ} 36'$ E., 80.98 chs.

Resurvey of line between secs. 35 and 36.

From the reestablished cor. of secs. 25, 26, 35 and 36, hereinbefore described, I run,

S. $0^{\circ} 36'$ E., on true line, bet. secs. 35 and 36.

13.80 Wire fence brs. NE. and SW. Leave Fogel's field.

20.00 Dry bed of Date Creek, course SW.

Leave meadow land. Ascend 315 ft. to

38.21 Top of rocky mountain spur, slopes W. Descend 230 ft.

40.83 $\frac{1}{2}$ Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor., with brass cap, marked,

1913, $\frac{1}{4}$ S 35 on W., and
S 36 on E. half;

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.

49.28 Gulch, course NW.

Ascend steep NE. slope, 375 ft. to

66.15 Top of spur, slopes NW. Descend 100 ft. to

69.50 Head of wash, course NW. Ascend.

81.67 Intersect the cor. of secs. 35 and 36, on the S. bdy. of the Tp., reestablished by me, as hereinbefore described.

Land, level and mountainous.

Soil, 1st 15 chs. dark, rich loam, 1st rate. South 65 chs. rocky and gravelly, much washed on the slopes, 4th rate.

Jan. 19, 1913.

GENERAL DESCRIPTION.

The land in this township included in the Subdivision given above, is generally rolling mesa, covered with lava and sandstone boulders. Small portions of secs. 25, 26, 35 and 36 under irrigation from Date Creek, near the cor. of secs. 25, 26, 35 and 36 are rich loam, and suitable for cultivation. The remainder makes only a poor grazing land.

Frank Fogel has taken up land in secs. 25, 26, 35 and 36, and has a patent, altho. the land is embraced in the Reservation, evidently thru some oversight.

Date Creek flows thru. secs. 25, 36, 35 and 34, but in places the creek bed is dry.

W. L. ...
O. L. ...

FOR FINAL OATH OF Chas. M. Pidgeon, U.S. Surveyor, see Book "A"

18 FINAL OATH OF UNITED STATES ~~SURVEYOR~~ TRANSITMAN.
(Same applies to notes in Book "C" describing surveys executed by William H. Richards Jr., U.S. Transitman.)

BOOK 2991

I, William H. Richards, Jr., U.S. ~~Surveyor~~ ^{Transitman}, do solemnly swear that, in pursuance of special instructions received from the ~~U.S. Surveyor~~ ^{Commissioner of the Gen. Land Office} bearing date of the 17th day of May, 1912, I have well, faithfully, and truly, in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, ~~surveyed~~ ^{retraced and resurveyed} all those parts or portions of ~~the South boundary and the Subdivision lines of Township 11 North, Range 7 West. and~~ ^{and 11 surveyed all those parts or portions of the Subdivision lines of Township 10 North, Range 7 West}

of the Gila and Salt River Base and Meridian, in the State of Arizona, which are represented in the foregoing field notes, ^{and those in Book "C"} as having been executed by me, and under my direction; and I do further solemnly swear that all the corners of said ~~survey have been established~~ ^{retracement, resurvey and survey have been reestablished, established} and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the ~~U.S. Surveyor~~ ^{Commissioner of the Gen. Land Office} and in the specific manner described in the field notes, and that ^{and notes in Book "C"} the foregoing ^{retracement, resurvey and survey.} are the original field notes of such ~~survey.~~

William H. Richards, Jr.
U. S. Surveyor
Transitman

Subscribed by said William H. Richards, Jr., and sworn to before me }
this 2d day of June, 1912



John R. Baumgardner
SUPREME COURT OF THE DISTRICT OF COLUMBIA.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Ariz. Aug. 9, 1912

The foregoing field notes of the ~~survey of~~ ^{the retracement and resurvey of} Parts of the South and East boundaries and Part of the Subdivision Lines of Township 11 North, Range 7 West of the Gila and Salt River Base and Meridian in the State of Arizona.

executed by William H. Richards, Jr., U.S. Transitman, and Chas. M. Pidgeon, U.S. Surveyor, under ^{their} ~~his~~ special instructions ^{from the} ~~dated~~ ^{dated} the Commissioner of the General Land Office dated May 17, 1912, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the ^{retracements, resurveys and surveys} ~~surveys~~ they describe, are hereby approved.

Frank D. Street
U.S. Surveyor General
OF ARIZONA.

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