

4-679
(April 1933)

BOOK 4140

Book A.

FIELD NOTES

of the

dependent and independent resurvey of the 4th Standard Parallel
North, through Ranges 5 and 6 West, along the South boundary of
Townships 17 North, Ranges 5 and 6 West.

Of the Gila and Salt River Meridian,

In the State of Arizona

EXECUTED BY

Roger F. Wilson, Surveyor,

General Land Office,

Under special instructions dated July 19, 1937, which provided
for the surveys included under Group No. 220, bearing the approval of the
Commissioner of the General Land Office under date of July 30, 1937,
and assignment instructions dated July 26, 1937.

Survey commenced August 10, 1937

Survey completed August 23, 1937

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INDEX DIAGRAM.

Township _____, *Range* _____

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Resurvey of the ~~Third~~ Standard Parallel North
thru Ranges 5 and 6 W.

Test of Instrument

This resurvey was executed with Buff solar transit No. 10125, model of 1915. The instrument is equipped with a full vertical circle and the improved Smith solar attachment, and was approved by the District Cadastral Engineer on July 26, 1937, conditional upon satisfactory field tests. All of the instrumental adjustments were examined before the field tests, hereinafter described, were made.

The directions of the lines were determined by the solar transit method. The measurements were made with a Lallie steel tape, 5 chs. in length, graduated every link for the first 100 lks. and thereafter at intervals of 10 lks. The tape was tested by comparison with a Lufkin Standard and found correct. The measurements were made on the slope and the vertical angle of each interval was ascertained by a clinometer in good adjustment; the horizontal equivalents are entered in the field note record.

The data given with the special instructions gives the geographic position for the standard cor. of T.17 N., Rs.4 and 5 W., as follows: latitude $34^{\circ}48'10''$ N., longitude $112^{\circ}44'00''$ W.

August 9, 1937, in camp in the N. center of sec. 3, T.16 N., R.6 W., G. & S.R.Mer., Arizona, at 2h 0m p.m., app.t., I set off $34^{\circ}48'$ N. on the latitude arc, $15^{\circ}47\frac{1}{2}'$ N. on the declination arc and determine a meridian with the solar, marking the same with a string on a tree limb about 8 chs. N. of my station. Then every 30 minutes until 5 p.m., with the latitude arc unchanged, I make the proper settings on the declination arc, and ascertain that the resulting orientation of the instrument has a variation of less than 1' thruout the usual hours of solar work, in p.m.

In order to compare the indications of the solar, with a meridian obtained by observation on Polaris, I make an hour angle observation on Polaris E. of the meridian, three sights each with the telescope in direct and reversed positions, and repeat the deflection angles from the flag on the solar meridian. The vertical angles are also read for the purpose of determining the latitude.

Mean watch time of observation, (determined from radio signals) p.m.	7h 43m 00s
Watch fast of local mean time	31m 24s
Local mean time of observation	7h 11m 36s
L.M.T., U.C. Polaris, long. $112^{\circ}51'$ W.	16h 27m 48s
Mean time hour angle of Polaris	9h 16m 12s
Mean horizontal angle	48 ⁺ 48 ^{''}
True bearing of flag	North.
L.M.T. of observation for latitude	7h 19m 06s
Mean observed vertical angle	$34^{\circ}03' 00''$
Reduced latitude	$34^{\circ}48' 18''$.

August 10, 1937: at 7h 0m a.m., app.t., and each half hour thru 9 a.m., with the latitude arc unchanged, I make the proper settings on the declination arc, and ascertain that the resulting orientation of the instrument agrees with the meridian as established by observation on Polaris.

From these observations and tests, I conclude that the instrument is in satisfactory adjustment. The tests of the solar were repeated at frequent intervals and the transits maintained in good adjustment thruout the survey.

Resurvey of the ~~Fourth~~ Standard Parallel North,
thru Ranges 5 and 6 West.

chains

The 4th Stan. Par. N., along the S. bdy. of T.17 N., thru Rs.5 and 6 W., was surveyed by A.B. Mader, D.S., in 1902-1905. The following notes describe a resurvey, dependent for alinement only, of this line.

From the stan. cor. of T.17 N., Rs.4 and 5 W.

West, on a random line on S. bdy. of R.5 W.

- 40.15 A point 21 lks. N. of the stan. $\frac{1}{4}$ sec. cor. sec. 36
- 49.31 Intersect the clos. cor. of secs. 1 and 2, T.16 N., R. 5 W.
- 80.19 A point 9 lks. S. of the stan. cor. of secs. 35 and 36.
- 120.34 A point 17 lks. S. of the stan. $\frac{1}{4}$ sec. cor. sec. 35
- 129.49 A point 17 lks. S. of the clos. cor. of secs. 2 and 3, T.16 N., R.5 W.
- 160.61 A point 17 lks. S. of the stan. cor. of secs. 34 and 35.
- 200.67 A point 17 lks. S. of the stan. $\frac{1}{4}$ sec. cor. sec. 34
- 209.82 A point 17 lks. S. of the clos. cor. of secs. 3 and 4, T.16 N., R.5 W.
- 240.55 A point 17 lks. S. of the stan. cor. of secs. 33 and 34.
- 280.50 A point 14 lks. S. of the stan. $\frac{1}{4}$ sec. cor. sec. 33.
- 289.74 A point 60 lks. S. of the clos. cor. of secs. 4 and 5, T.16 N., R.5 W.
- 320.09 A point 26 lks. S. of the stan. cor. of secs. 32 and 33.
- 359.74 A point 25 lks. S. of the stan. $\frac{1}{4}$ cor. sec. 32.
- 369.09 A point 25 lks. S. of the clos. cor. of secs. 5 and 6, T.16 N., R.5 W.
- 400.26 A point 25 lks. S. of the stan. cor. of secs. 31 and 32.
- 440.48 A point 25 lks. S. of the stan. $\frac{1}{4}$ sec. cor. sec. 31.
- 458.13 A point 29 lks. S. of the clos. cor. of T.16 N., Rs.5 and 6 W.
- 480.63 A point 34 lks. S. of the stan. cor. of T.17 N., Rs.5 and 6 W.

Thence

West on a random line on S. bdy. of T.17 N., R.6 W.

- 438.26 A point 22 lks. N. of the stan. $\frac{1}{4}$ sec. cor. sec. 31.
- 465.92 A point 20 lks. N. of the clos. cor. of T.16 N., Rs.6 and 7 W.
- 478.17 A point 19 lks. N. of the stan. cor. of T.17 N., Rs.6 and 7 W.
-

Resurvey of the ~~Fourth~~ Standard Parallel North

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thru R. 5 W.

chains

Return to the stan. cor. of T.17 N., Rs.4 and 5 W., which is a granite rock, 8x6x4 ins. above ground, faintly mkd. with 6 notches on the W. side. Marks on N. and E. sides are indistinguishable. This cor. is on the left side of a small gully wash, and in the path of future erosion. Past erosion has removed all evidence of the original bearing tree.

Thence, S.89°58'W., on true line on S. bdy. of sec. 36.

Over rolling land, thru timber and light undergrowth.

.10 Center of gully wash, 20 lks. wide, 6 ft. deep, course S.

.30 Set an iron post, 3 ft. long, 3 ins. diam., 25 ins. in the ground, in a small mound of stone, for wit. stan. cor. of T.17 N., Rs.4 and 5 W., with brass cap mkd.

S C
T 17 N
R 5 W | R 4 W
S 36 | S 31 WC
T 16 N R 5 W
S 1
1937

from which

A juniper, 16 ins. diam., bears N.5½°E., 156 lks. dist., mkd. WC T17N R4W S31 SC BT.

A juniper, 20 ins. diam., bears N.62°W., 95 lks. dist., mkd. WC T17N R5W S36 SC BT.

1.55 Graded road, bears N.20°E. to Prescott and S.20°W. to Camp Wood.

6:80 Shallow wash, 10 ft. wide, course S.; asc. 23 ft. on SE. slope.

9.92 A point 4 lks. S. of a granite rock, 10x8x6 ins. above ground, firmly set and mkd. CC¼ on S. side, witnessed by a mound of stone 2 ft. base and 1 ft. high, S. of cor.

The old bearing trees:

A juniper fork, 8 ins. diam., bears S.33°E., 32 lks. dist., mkd. CC¼ S1 BT.

A pinon, 8 ins. diam., bears S.61½°W., 84 lks. dist., mkd. CC¼ S1 BT.

This is an unofficial cor.; I therefore obliterate all evidence of same.

10.00 Low spur, slopes SW.; desc. 30 ft. over SW. slope.

11.75 Same graded road, bears S.40°E. to Prescott and N.40°W. to Camp Wood.

17.10 Left high bank of Pine Creek (Humphrey) wash, bears NW. and SE.; desc. 15 ft. over bank and continue across valley.

19.65 SW. cor. of scales in 3 corrals, which bears NW. and SE.

21.25 Traveled road, bears N.15°W. to ranches and S.10°E. to graded road.

26.85 Enter Pine Creek wash, course S.30°E.

Find no trace of wit. cor. 3, H.E.S. No. 364.

33.35 Leave Pine Creek wash, bears NW. and SE.; continue over valley.

chains

- 33.45 5 strand barb wire fence, bears N.40°W. and S.40°E.
- 33.67 Intersect cor. No. 2 of H.E.S. No. 364, also cor. No. 5 of H.E.S. No. 661, which is a malpais rock, 8x4x3 ins. up, firmly set in the ground, mkd. 2 HES 364 on S., 5 HES 661 on NW. sides, and witnessed by a mound of stone 4 ft. base and 2 ft. high to W. of cor.
- 33.75 Enter cultivated land, bears NW. and SE.
- 35.55 Field road, bears NE. and SW.
- 40.15 The stan. $\frac{1}{4}$ sec. cor., which is a granite rock, 12x8x8 ins. buried 6 ins. under ground in cultivated field and mkd. SC $\frac{1}{4}$ on N. side.

At the true point,

Set an iron post 3 ft. long, 1 in. diam., 52 ins. in the ground, with orig. stone cor. deposited on top, for stan. $\frac{1}{4}$ sec. cor., with brass cap mkd.

S C
 $\frac{1}{4}$ S 36

1937

from which

The new bearing tree:

A juniper, 4 ins. diam., bears N.45°09'E., 492 lks. dist., mkd. $\frac{1}{4}$ S 36 SC BT.

No other tree in limits.

Thence, N.89°51'W., on true line on S. bdy. sec. 36.

Over cultivated land.

- 8.85 Lve. cultivated land, bears NW. and SE.; continue over valley.
- 9.16 Intersect the clos. cor. of secs. 1 and 2, T.16 N., R.5 W., which is a granite rock, 8x6x4 ins. above ground, firmly set and mkd. with 5 notches on W., 1 notch on E. and CC on N. sides. Along the N. side of this rock is a granite rock 8x8x6 ins. above ground, firmly set and mkd. 1 HES 661 on NW. side, for cor. 1 of HES No. 661, and 1 HES 364 on SE. side, for cor. 1 of HES No. 364. In place of the rock closing cor., which is set alongside, Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for clos. cor. of secs. 1 and 2, T16 N., R.5 W., with brass cap mkd.

T 17 N R 5 W
S 36
S 2 | S 1
T 16 N R 5 W
C C

1937

from which

The original bearing tree:

A juniper, 12 ins. diam., bears S.32°45'W., 243 lks. dist., remkd. T16 N R 5 W S2 CC BT., on overgrowth.

The new bearing tree:

A juniper, 12 ins. diam., bears S.4°E., 311 lks. dist., mkd. T16N R5W S1 CC BT.

Resurvey of the Fourth Standard Parallel North

thru R. 5 W.

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chains

- 12.00 Leave valley; asc. 37 ft. over NE. slope, thru juniper, pinon and scrub oak.
- 13.35 4 strand barb wire fence, bears NW. and SE.
- 15.00 Top of bench, bears NW. and SE.; continue over same; asc. 12 ft.
- 24.25 Traveled road, bears SW. to ranches and NE. to main road.
- 37.85 Telephone line (Forest Service) 1 wire, bears N. and SW.
- 40.04 The stan. cor. of secs. 35 and 36, which is a lava rock, 12x10x6 ins. above ground, firmly set and marked with 5 notches on W., 1 notch on E., X on top and SC on N. sides, witnessed by a mound of stone 3 ft. base and 1 ft. high to the N. Alongside, on the N. of the stan. cor. is cor. 1 of HES No. 349, which is a lava rock, 12x12x10 ins. above ground, firmly set and marked 1 HES 349 on NW. side.

In place of the stan. cor. rock, which is set alongside,

Set an iron post, 3 ft. long 2 ins. diam., 27 ins. in the ground, for stan. cor. of secs. 35 and 36, with brass cap mkd.

	S	C	
T 17	N	R 5	W
	S 35		S 36
T 16	N	R 5	W
	S 2		
	1937		

from which

The original bearing trees:

A juniper, 16 ins. diam., bears N.81°E., 157 lks. dist., mkd. T17N R5W S36 SC BT.

A juniper for, 12 ins. diam., bears N.31¼°W., 170 lks. dist., mkd. T17N R5W S35 SC BT.

The NE. cor. of L.C. Lakin's new house, 40x38 ft., of native rock foundation, bears N.59¼°W., 307 lks. dist.

Land, level valley and rolling hilly.

Soil, Sandy loam, 1st rate; gravelly, 3d rate; rocky, 4th rate.

Undergrowth, scattering scrub oak.

Timber, pinyon, juniper and scrub oak.

Thence, N.89°53'W., on true line on S. bdy. of sec. 35.

Desc. 6 ft. over benchland, thru timber and scattering undergrowth.

- 4.90 Irrigation ditch, running water 18 ins. wide, 2 ins. deep, course NE.
- 7.00 Brush fence, bears NE. and SW.
- 9.00 Leave bench, bears NE. and SW.; enter S. edge of valley of Humphrey wash, bears NE. and SW. and continue across.
- 14.12 Irrigation ditch, running water 18" wide, 2 ins. deep, course NE.
- 18.00 Center of artificial spring pond, 1 ch. sq., 3 ft. deep; feeding spring bears S., 1 ch. dist.

Resurvey of the Fourth Standard Parallel North
thru R. 5 W.

chains	
18.85	5 strand barb wire fence, bears N.10°W. and S.
19.00	Wash, 5 ft. wide, 5 ft. deep, course NW., from SW.
20.70	Enter Humphrey wash, course NE.
27.52	Intersect Cor. 2 of HES No. 349, which is a rock, 14x12x8 ins. above ground, firmly set and mkd. 2 HES 349 on NE. side, witnessed by a mound of stone, 2 ft. base and 1 ft. high, NE. of cor.
36.40	Leave Humphrey wash, left bank, 20 ft. high, bears NE. and SW.; asc. 137 ft. over E. slope.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for stan. $\frac{1}{4}$ sec. cor., with brass cap mkd. <div style="text-align: center;"> S C <u>$\frac{1}{4}$ S 35</u> 1937 </div> from which A juniper, 6 ins. diam., bears N.88 $\frac{1}{2}$ °E., 150 lks. dist., mkd. $\frac{1}{4}$ S 35 SC BT. A juniper for, 8 ins. diam., bears N.85°W., 200 lks. dist., mkd. $\frac{1}{4}$ S 35 SC BT.
40.15	The orig. stan. $\frac{1}{4}$ sec. cor., which is a rock, 16x12x7 ins. loosely set in a dilapidated mound of stone, with illegible marks on one side; on short steep spur, slopes SE. As this cor. now becomes an angle point, in place of the rock cor., which is set in the mound, alongside, Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, rebuild the mound of stone, 2 ft. base and 9 ins. high, around post, for angle point, with brass cap mkd. <div style="text-align: center;"> A P T 17 N R 5 W <u>S 35</u> 1937 </div> from which The windmill at Johnson Ranch bears N.57°32'E. Windmill is about the center of a group of 4 or 5 buildings, Thence, West, on true line on S. bdy. of sec. 35. Asc. 40 ft. over SE. slope.
2.35	Ridge, bears NE. and W.; continue along top.
7.00	Leave ridge, bears E. and NW.; desc. 67 ft. along broken SW. slope.
9.15	Intersect the orig. clos. cor. of secs. 2 and 3, T.16 N., R.5 W., which is a lava rock, 8x8x6 ins. above ground, firmly set, mkd. with 2 notches on E., 4 notches on W., CC on S. sides, and witnessed by a mound of stone, 2 ft. base and 1 ft. high, to the S. In place of rock, which is set alongside, Set an iron post 3 ft. long, 2 ins. diam., 25 ins. in the ground, for clos. cor. of secs. 2 and 3, T.16 N., R.5 W., with brass cap mkd.

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thru R. 5 W.

chains

T 17 N R 5 W
S 35
S 3 S 2
T 16 N R 5 W
C C
1937

from which

The new bearing trees:

A juniper, 8 ins. diam., bears S.59°E., 75 lks. dist., mkd. CC BT.

A juniper, 5 ins. diam., bears S.71°W., 95 lks. dist., mkd. CC BT.

26.80 Rocky wash, 8 ft. wide, course SE.; asc. 120 ft. on NE. slope.

34.50 Spur, slopes S.35°E.; desc. 70 ft. on SW. slope.

39.85 A point 80.00 chs. in departure from the stan. cor. of secs. 35 and 36.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for stan. cor. of secs. 34 and 35, with brass cap mkd.

S C
T 17 N R 5 W
S 34 S 35
T 16 N R 5 W
S 3
1937

from which

A juniper, 10 ins. diam., bears N.2°E., 62 lks. dist., mkd. SC BT.

A juniper, 7 ins. diam., bears N.19°W., 65 lks. dist., mkd. T 17 N R 5 W S 34 SC BT.

Land, rolling and hilly.
Soil, sandy loam, 2d rate, rocky, 4th rate.
Undergrowth, oakbrush and manzanita.
Timber, juniper, piñon, scrub oak and walnut.

Thence, west on true line on S. bdy. of sec. 34.

Over rolling mountainous land, thru timber and scattering undergrowth.

.42 The orig. stan. cor. of secs. 34 and 35, which is a lava rock, 8x8x8 ins. above ground, firmly set, mkd. with 2 notches on E. 4 notches on W., 6 notches on N., SC on top and witnessed by a mound of stone, 2 ft. base and 1 ft. high; to the N.

As this cor. now becomes an angle point on S. bdy. sec. 34

Obliterate the marks SC and add marks AP on top of rock.

The old bearing tree:

A juniper, 14 ins. diam., bears S.74°E., 55 lks. dist., with old marks T16 N R 5 W S 3 BT; which I remove and remark AP BT.

Continue west on true line on S. bdy. sec. 34.

Desc. 95 ft. over SW. slope.

8.

Resurvey of the ~~Fourth~~ Standard Parallel North

thru R. 5 W.

chains

- 7.90 Foot of slope and enter partly open valley, bears NE. and SE.
- 12.50 Old main road--now out of use--bears N.20°W. to Camp Wood and S.20°E. to Prescott.
- 19.80 Enter Pole creek wash, course SE.
- 20.90 Leave Pole creek wash and valley, bears NW. and SE.; asc. 110 ft. over broken, gentle SE. slope.
- 33.30 Forest service telephone line, 1 wire, bears NW. and SE.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for stan. $\frac{1}{4}$ sec. cor., with brass cap mkd.

S C
 $\frac{1}{4}$ S 34

1937

from which

A juniper fork, 20 ins. diam., bears N.49 $\frac{1}{4}$ °W., 46 lks. dist., mkd. $\frac{1}{4}$ S34 SC BT.

A juniper, 10 ins. diam., bears N.73 $\frac{1}{2}$ °E., 40 lks. dist., mkd. $\frac{1}{4}$ S34 SC BT.

Continue over broad top of spur, slopes NE.

- 40.48 The orig. stan. $\frac{1}{4}$ sec. cor., which is a lava rock, 8x8x6 ins. above ground, firmly set and mkd. $\frac{1}{4}$ SC on N. side, witnessed by a mound of stone, 2 ft. base and 1 ft. high to the N.

As this cor. now becomes an angle point on S. bdy. sec. 34.

Obliterate the marks $\frac{1}{4}$ SC and remark the rock AP, on N., from which the old bearing tree:

A juniper fork, 10 ins. diam., bears N.22°E., 30 lks. dist., mkd. SC $\frac{1}{4}$ S34 BT. Obliterate these marks and remark AP S34 BT.

The new bearing tree:

A juniper, 8 ins. diam., bears N.12° W., 107 lks. dist., mkd. AP S34 BT.

Continue west, on true line on S. bdy. sec. 34.

Asc. 18 ft.

- 49.63 Intersect the clos. cor. secs. 3 and 4, T.16 N., R.5 W., which is a lava rock, 8x8x6 ins. above ground, firmly set and mkd. with 3 notches on E., 3 notches on W., 6 notches on N. and CC on S. sides, and witnessed by a mound of stone, 2 ft. base and 1 ft. high, to the S.

In place of stone, which is set alongside,

Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground, to bedrock, rebuild the mound of stone around post, to top, for clos. cor. of secs. 3 and 4, T.16 N., R.5 W., with brass cap mkd.

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thru R. 5 W.

chains

T 17 N R 5 W
 S 34
 S 4 | S 3
 T 16 N R 5 W
 C C
 1937

from which

The original bearing trees:

A juniper, 10 ins. diam., bears S.40 $\frac{1}{4}$ °E., 42 lks.
 dist., mkd. CC BT T16N R5W S3

A juniper, 7 ins. diam., bears S.22°W., 36 lks.
 dist., mkd. CC BT T16N R5W S4

- 49.91 5 strand barbwire fence, bears N.34 $\frac{1}{2}$ °E. and S.34 $\frac{1}{2}$ °W.
 63.30 Leave top of spur; desc. 25 ft. on NW. slope.
 65.30 Enter Wickieup Canyon wash, 1 ch. wide, 4 ft. deep, course NE.
 67.40 Leave wash; asc. 70 ft. on E. slope.
 76.50 Continue over broad top of ridge, bears NE. and SW.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for stan. cor. of secs. 33 and 34, with brass cap mkd.

S C
 T 17 N R 5 W
 S 33 | S 34
 T 16 N R 5 W
 S 4
 1937

from which

A juniper, 7 ins. diam., bears N.32 $\frac{1}{2}$ °E., 20 lks.
 dist., mkd. T 17 N R5W S34 SC BT.

A juniper, 12 ins. diam., bears N.78 $\frac{1}{2}$ °W., 19 lks.
 dist., mkd. SC BT, only

Land, rolling mountainous.
 Soil, rocky over sandy and gravelly loam, 3d and 4th rate.
 Timber, juniper, pinyon and scrub oak.
 Undergrowth, manzanita and catclaw.

 West, on true line on S. bdy. of sec. 33.

Over broad top of ridge, bears NE. and SW., thru timber.

- .36 The orig. stan. cor. of secs. 33 and 34, which is a lava rock, 12x6x4 ins. above ground, firmly set and marked with 3 notches on E., 3 notches on W. and SC on N. sides, witnessed by a mound of stone, 2 ft. base and 1 ft. high, to the N.

As this cor. now becomes an angle point on S. bdy. sec.33

Remove the marks SC and add marks AP on N. side of rock.

From which the original bearing trees:

A juniper, 7 ins. diam., bears N.50°45'E., 124 lks.
 dist., mkd. T17N R5W S34 SC BT.; change marks to
 T17N R5W AP S33 BT.

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thru R. 5 W.

chains

- A juniper, 6 ins. diam., bears N. $72\frac{1}{2}^{\circ}$ W., 64 lks. dist., mkd. T17N R5W S33 BT; I change marks to AP T17N R5W S33 BT.
- Thence
S. $89^{\circ}57'$ W. on true line on S. bdy. of sec. 33, continuing measurement.
- Asc. 30 ft. over top of ridge.
- 8.88 A point 4 lks. N. of a lava rock, 9x9x6 ins. above ground, firmly set and mkd. $\frac{1}{4}$ CC on S. side, from which
- The old bearing tree:
A pinon, 14 ins. diam., bears S. 43° E., 29 lks. dist., mkd. CC $\frac{1}{4}$ S BT.
- As this cor. is not of official record, I obliterate all evidence of same.
- 13.90 Top of ridge, bears NE. and SW.; desc. 10 ft. over NW. slope of same.
- 34.00 Leave ridge, bears NE. and SW.; desc. 50 ft. on NW. slope.
- 36.25 Rocky wash, 15 ft. wide, course N., from SW.; a small spring seep bears N., 50 lks. dist.; asc. 35 ft., E. slope.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam.; 27 ins. in the ground, for stan. $\frac{1}{4}$ sec. cor., with brass cap mkd.
- S C
| $\frac{1}{4}$ S 33
1937
- from which
- A juniper, 12 ins. diam., bears N. $3\frac{1}{2}^{\circ}$ E., 53 lks. dist., mkd. $\frac{1}{4}$ S 33 SC BT.
- A juniper, 14 ins. diam., bears N. $57\frac{1}{2}^{\circ}$ W., 77 lks. dist., mkd. $\frac{1}{4}$ S33 SC BT.
- 40.31 The orig. stan. $\frac{1}{4}$ sec. cor., which is a lava rock, 12x10x6 ins. above ground, firmly set, mkd. SC $\frac{1}{4}$ on N. side and witnessed by a small mound of stone to the N.
- As this cor. now becomes an angle point on S. bdy. sec. 33,
I remove old marks and remark AP on N. side of rock,
- From which the old bearing trees:
- A pinon, 8 ins. diam., bears N. 59° W., 5 lks. dist., mkd. $\frac{1}{4}$ S33 BT. I change marks to AP S33 BT.
- A juniper, 14 ins. diam., bears N. $16\frac{1}{2}^{\circ}$ E., 57 lks. dist., mkd. $\frac{1}{4}$ S33 BT. I obliterate these marks and remark S33 AP BT on new blaze.
- Thence, N. $89^{\circ}50'$ W., on true line on S. bdy. sec. 33, continuing measurement.
- Asc. 8 ft. to
- 43.80 Top of ridge, bears NE. and SW.; desc. 8 ft.
- 47.80 Wash, 5 ft. wide, winding course NE.; asc. 60 ft. on broken E. slope.
- 49.55 A point 53 lks. S. of the orig. clos. cor. of secs. 4 and 5, T.16 N., R.5 W., which is a sandstone, 5x5x4 ins. above ground, firmly set, mkd. with 4 notches on E., 2

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thru R. 5 W.

4140

chains

notches on W. sides and witnessed by a small mound of stone to the S.

The original bearing trees:

A juniper fork, 8 ins. diam., bears S.26 $\frac{1}{2}$ °E., 60 lks. dist., mkd. CC T16N R5W S4 BT.

A juniper, 6 ins. diam., bears S.45°W., 47 lks. dist., mkd. CC T16N R5W S5 BT.

- 49.68 Telephone line (Forest service, 1 wire) bears NE. and SW.
- 58.19 A point 4 lks. S. of a brass tablet, 3 $\frac{1}{2}$ ins. diam., set in a concrete form 9 ins. sq., 4 ins. above ground, mkd. U.S. Forest Service, Z102 1935.
- 58.25 Top of low ridge, bears NE. and SW.; desc. 42 ft. on SW. slope.
- 58.80 Graded road, bears N.30° E. to Prescott and S.30°W. to Camp Wood.
- 66.90 Wash, 6 ft. wide, course N.; asc. 45 ft. on E. slope.
- 70.00 Spur, slopes NE.; desc. 32 ft. on NW. slope.
- 79.90 The orig. stan. cor. of secs. 32 and 33, which is a granite rock, 10x6x6 ins. above ground, firmly set and mkd. with 4 notches on E., 2 notches on W., and witnessed by a small mound of stone to the N.

As this cor. now becomes an angle point on S. bdy. sec. 33,

I add marks AP on N. side of rock, from which

The new bearing tree:

A juniper, 4 ins. diam., bears N.66 $\frac{1}{2}$ °E., 28 lks. dist., mkd. AP S33 BT.

Thence, S.89°59'W., on true line on S. bdy. of sec. 33, continuing measurement.

- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for stan. cor. of secs. 32 and 33, with brass cap mkd.

S C
T 17 N R 5 W
S 32 S 33
T 16 N R 5 W
S 5
1937

from which

A juniper, 5 ins. diam., bears N.29°E., 65 lks. dist., mkd. T17N R5W S33 SC BT.

A juniper, 6 ins. diam., bears N.19 $\frac{1}{4}$ °W., 119 lks. dist., mkd. T17N R5W S32 SC BT.

Land, rolling mountainous.
Soil, rocky, over clay and sandy loam, 3d and 4th rate.
Timber, juniper, pinyon and scrub oak.
Undergrowth, manzanita and catclaw.

12.

Resurvey of the ~~Fourth~~ Standard Parallel North
thru R. 5 W.

chains	
	S. $89^{\circ}59'W.$, on true line on S. bdy. of sec. 32. Cross valley, thru dense undergrowth and some timber.
1.70	Pole creek wash, 20 ft. wide, course NE.; asc. 50 ft. on SE. slope.
7.25	Short spur, slopes SE.; desc. 20 ft. on SW. slope.
12.15	Same wash, course SE.; asc. 56 ft. on NE. slope.
13.55	Short spur, slopes N.; desc. $3\frac{1}{4}$ ft. on NW. slope.
17.45	Same wash, course NE.; asc. 83 ft. on SE. slope.
23.75	Change to broken S. slope.
27.75	Change to SW. slope; desc. 50 ft.
30.20	Same wash, course SE. (occasional pools of water of doubtful permanency); asc. 90 ft. on NE. slope.
36.00	Spur, slopes NE.; desc. 17 ft. on NW. slope.
39.55	The orig. stan. $\frac{1}{4}$ sec. cor., which is a sandstone, 12x10 x3 ins. above ground, firmly set, mkd. SC $\frac{1}{4}$ on N. side and witnessed by a mound of stone, 2 ft. base and 1 ft. high to the N. As this cor. now becomes an angle point on S. bdy. sec. 32, I change marks to AP, on rock, from which The new bearing tree: A juniper, 4 ins. diam., bears $S.23^{\circ}W.$, 73 lks. dist., mkd. AP BT. Thence, west, on true line on S. bdy. sec. 32, continuing measurement.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, and in a mound of stone to top, for stan. $\frac{1}{4}$ sec. cor., with brass cap mkd. $\begin{array}{c} S C \\ \frac{1}{4} S 32 \end{array}$ 1937 from which A juniper, 8 ins. diam., bears $N.49^{\circ}45'E.$, 206 lks. dist., mkd. $\frac{1}{4} S 32$ SC BT. No other tree available. Desc. 38 ft. on NW. slope.
42.25	Same wash, course NE.; asc. 80 ft. on SE. slope.
45.30	Change to Broken S. slope.
48.94	Intersect the orig. clos. cor. of secs. 5 and 6, T.16 N., R.5 W., which is a sandstone, 12x8x6 ins. above ground, firmly set and mkd. with 5 notches on E., 1 notch on W., 6 notches on S. sides. In place of the stone cor., which is set alongside, Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for clos. cor. of secs. 5 and 6, T.16 N., R.5 W., with brass cap mkd.

Resurvey of the Fourth Standard Parallel North

4140

thru R. 5 W.

chains

T 17 N R 5 W
 S 32
 S 6 | S 5
 T 16 N R 5 W
 C C
 1937

from which

The new bearing tree:

A juniper, 9 ins. diam., bears S. $13\frac{1}{4}^{\circ}$ E., $9\frac{1}{4}$ lks. dist., mkd. T 16 N R 5 W S 5 CC BT.

No other tree available.

- 50.30 A spur, slopes S.; desc. 37 ft. on SW. slope.
- 52.45 Same wash, course SE.; asc. 37 ft. on NE. slope.
- 55.30 Spur, slopes NE.; desc. 13 ft. on NW. slope.
- 60.20 Sidehill wash, 6 ft. wide, 3 ft. deep, course N.; asc. 60 ft. on NE. slope.
- 63.55 Spur, slopes N.; desc. 14 ft. on NW. slope.
- 70.60 Mouth of a rocky wash, 15 ft. wide, from SW., at intersection with Pole creek wash, course NE., from NW.; asc. 30 ft. on SE. slope.
- 72.85 Spur, slopes NE.; desc. 23 ft. on NW. slope.
- 75.00 Same (Pole) wash, 15 ft. wide, 3 ft. deep, course N. 15° E.; asc. 50 ft. on SE. slope.
- 75.45 Old road, not in present use, bears NE. to Prescott and SW. to Camp Wood.
- 80.00 Set a brass tablet, $3\frac{1}{2}$ ins. diam., in cement in drill hole 4 ins. deep, in granite boulder, $15 \times 15 \times 10$ ft. in size, for stan. cor. of secs. 31 and 32, mkd.

S C
 T 17 N R 5 W
 S 31 | S 32
 T 16 N R 5 W
 S 6
 1937

from which

A juniper fork, 6 ins. diam., bears N. $15\frac{1}{4}^{\circ}$ E., $19\frac{1}{4}$ lks. dist., mkd. T 17 N R 5 W S 32 SC BT.

A juniper, 6 ins. diam., bears N. $76\frac{1}{2}^{\circ}$ W., $24\frac{1}{2}$ lks. dist., mkd. T 17 N R 5 W S 31 SC BT.

Land, rolling mountainous.

Soil, rocky and gravelly over clay loam, 3d and 4th rate.

Timber, scattering juniper.

Undergrowth, manzanita, oakbrush, catclaw, laurel.

West, on true line on S. bdy. of sec. 31.

Over mountainous land, thru dense low undergrowth and scattering timber.

- .07 The orig. stan. cor. of secs. 31 and 32, which is a cross (X) mkd. on bedrock, with 5 notches on E., and 1 notch on W. sides of X, witnessed by a mound of stone, 2 ft. diam., 1 ft. high, to the N.

As this cor. now becomes an angle point on S. bdy. sec. 31,

14.

Resurvey of the ~~Fourth~~ Standard Parallel North
thru R. 5 W.

chains

I add the marks AP to N. side of the cross (X).

From which the new bearing tree:

A juniper, 6 ins. diam., bears $S.32^{\circ}W.$, 70 lks. dist.,
mkd. AP BT.

Thence, west on true line on S. bdy. sec. 31, continuing
measurement.

Desc. 21 ft. over SW. slope.

2.35 Same (Pole creek) wash, 15 ft. wide, 3 ft. deep, course
SE.; asc. 19 ft.

6.60 Same wash, course NE.

11.80 Same wash, course SE.; asc. 42 ft. on NE. slope.

15.50 Short spur, slopes NE.; desc. 21 ft. on NW. slope.

21.10 Same wash, course $N.70^{\circ}E.$; asc. $13\frac{1}{4}$ ft. on SW. slope.

37.00 Spur, slopes SE.; desc. 25 ft. on SW. slope.

40.00 Set an iron post 3 ft. long 1 in. diam., 24 ins. in the
ground, for stan. $\frac{1}{4}$ sec. cor., with brass cap mkd.

S C
 $\frac{1}{4}$ S 31

1937

raise a mound

of stone, 3 ft. base and $1\frac{1}{2}$ ft. high, N. of cor.

From the cor.;

A juniper, 10 ins. diam., bears $N.76^{\circ}E.$, 83 lks.
dist., mkd. $\frac{1}{4}$ S31 SC BT.

No other tree in limits.

40.29 The orig. stan. $\frac{1}{4}$ sec. cor., which is a granite rock, 20x
12x6 ins. above ground, firmly set, mkd. $\frac{1}{4}$ on N. side and
witnessed by a mound of stone, 3 ft. base and 2 ft. high
to the N.

As this cor. now becomes an angle point on S. bdy. sec. 31

I change marks on N. side of rock to AP.

Thence, $N.89^{\circ}52'W.$, on true line on S. bdy. sec. 31, con-
tinuing measurement.

40.65 Rocky wash, 8 ft. wide, course $S.45^{\circ}E.$; asc. 225 ft. on
E. slope.

50.00 Long spur, slopes SE.; change to SE. slope.

57.94 Intersect the orig. clos. cor. of T.16 N., Rs.5 and 6 W.,
which is a granite rock, $18x11x4$ ins., on the ground,
mkd. CC with 6 notches on top, 6 notches on E. and 6
notches on W. sides and witnessed by a mound of stone,
3 ft. base and 1 ft. high to the S.

In place of rock, which is set alongside,

Set an iron post, 3 ft. long, 3 ins. diam., 6 ins. in the
ground to bedrock, and in a mound of stone to top, for
clos. cor. of T.16 N., Rs.5 and 6 W., with brass cap mkd.

Resurvey of the Fourth Standard Parallel North

BOOK 4140

thru R. 5 W.

chains

T 17 N R 5 W
 S 31
 —————
 S 1 S 6
 R 6 W R 5 W
 T 16 N
 C C
 1937

No trees in limits.

61.00 Change to SW. slope; desc. 51 ft.

80.44 The orig. stan. cor. of T.17 N., Rs.5 and 6 W., which is a granite rock, 8x8x8 ins. above ground, firmly set, mkd. with 6 notches on N., W. and E. sides, and witnessed by a mound of stone 2 ft. base and 1 ft. high, to the N.

As this cor. now becomes an angle point on S.bdy. sec. 31, I add the marks AP, on N. side of rock.

Thence, S.89°58'W., on true line on S. bdy. sec. 31, continuing measurement.

83.92 A point which is south of the cor. of Ts.17 and 18 N., Rs.5 and 6 W.

Set an iron post, 3 ft. long, 3 ins. diam., 28 ins. in the ground, for stan. cor. of T.17 N., Rs.5 and 6 W., with brass cap mkd.

S C
 T 17 N
 R 6 W R 5 W
 S 36 S 31
 —————
 T 16 N R 6 W
 S 1
 1937

from which

A black oak, 3 ins. diam., bears N.68°E., 56 lks. dist., mkd. SC BT, only.

A black oak, 3 ins. diam., bears N.55½°W., 47 lks. dist., mkd. SC BT, only.

Land, mountainous.

Soil, rocky over sandy loam, 3d and 4th rate.

Timber, scattering scrub oak and juniper.

Undergrowth, manzanita, oakbrush, catclaw and laurel.

16.

Resurvey of the Fourth Standard Parallel North

thru R. 6 W.

chains	
	Thence, from stan. cor. of Ts. 17 N., Rs. 5 and 6 W.
	S. 89° 58' W., on true line on S. bdy. of sec. 36.
	Over mountainous land, thru dense low undergrowth and scattering juniper timber.
	Asc. 10 ft. on short SE. slope.
2.00	Change to SW. slope; desc. 16 ft.
6.00	Pole creek wash, 6 ft. wide, course SE.; asc. 55 ft. on NE. slope.
9.30	Short spur, slopes N.; desc. 6 ft. on NW. slope.
12.00	Same wash, course NE.; asc. 30 ft.
16.35	Same wash, course S. 70° E.; asc. 210 ft. on broken NE. slope.
36.01	A point 7 lks. N. of the orig. stan. $\frac{1}{4}$ sec. cor., which is a sandstone, 12x6x6 ins. above ground, firmly set and mkd. $\frac{1}{4}$ SC on N. side., from which the old bearing tree: A white oak, 6 ins. diam., bears N. 48° W., 117 lks. dist., overgrown blaze not cut into.
	The S. bdy. of T. 17 N., R. 6 W. is subject to rectification. This cor. therefore serves no further useful purpose and I obliterate all evidence of same.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 2 1/4 ins. in the ground, in a small mound of stone, for stan. $\frac{1}{4}$ sec. cor., with brass cap mkd. <div style="text-align: center;"> S C <u>1/4 S 36</u> 1937 </div> from which A juniper, 17 ins. diam., bears N. 77° 30' E., 33 lks. dist., mkd. SC BT, only. A juniper, 3 ins. diam., bears S. 43 1/4° W., 33 lks. dist., mkd. BT, only. Asc. 130 ft. on NE. slope.
47.19	Pole-Pine Creek divide, bears N. 35° E. and S.; from this point the new lookout building on Hyde Mtn. bears N. 61° 38' W.
	Desc. 100 ft. over NW. slope.
53.70	Wash, 10 ft. wide, near head, course NW.; asc. 105 ft. on NE. slope.
60.70	Long ridge-spur, slopes NW.; desc. 135 ft. on SW. slope.
71.40	Wash, 8 ft. wide, course winding NW.; enter yellow pine and oak timber; asc. 18 ft. on NE. slope.
75.60	A point 6 lks. S. of the orig. stan. cor. of secs. 35 and 36, which is a granite rock, 22x17x10 ins. above ground, firmly set and mkd. with an X for cor. point, with 5 notches on W. and 1 notch on E. sides, from which The old bearing trees:

Resurvey of the ~~Fourth~~ Standard Parallel North

thru R. 6 W.

4140

chains

A white oak, 8 ins. diam., bears N.17°45'E., 80 lks. dist., mkd. SC T17N R6W S36 BT.

A white oak, 7 ins. diam., bears N.21°45'W., 98 lks. dist., mkd. SC T17N R6W S35 BT.

I obliterate all evidence of this cor. and accessories.

76.10 Short low spur, slopes NE.; desc. 8 ft. on NW. slope.

78.00 Ravine, course NE.; asc. 35 ft. on E. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for stan. cor. of secs. 35 and 36, with brass cap mkd.

S C
T 17 N R 6 W
S 35 S 36
T 16 N R 6 W

S 2

1937

from which

A juniper, 16 ins. diam., bears N.42°45'E., 98 lks. dist., mkd. T17N R6W S36 SC BT.

A juniper, 8 ins. diam., bears N.53¼°W., 101 lks. dist., mkd. T17N R6W S35 SC BT.

Land, mountainous.

Soil, rocky, over sandy and gravelly loam, 3d and 4th rate.

Timber, juniper, pinyon, yellow pine and oak.

Undergrowth, oakbrush, manzanita, laurel and catclaw.

S.89°58'W., on true line on S. bdy. of sec. 35.

Over rolling mountainous land, thru dense undergrowth and some timber.

Asc. 25 ft. over E. slope.

2.15 Spur, slopes N.; desc. 32 ft. on W. slope.

5.30 Ravine, course N.; asc. 48 ft. on E. slope.

10.00 Ridge-spur, slopes NW.; desc. 90 ft. on NW. slope.

20.50 Wood road, bears N. and S.

20.90 Wash, 8 ft. wide and 3 ft. deep, course N.; asc. 55 ft. on broken NE. slope.

25.40 Spur, slopes N.; desc. 12 ft. on NW. slope.

27.60 Wash, 6 ft. wide, 1 ft. deep, course N.; asc. 48 ft. on SE. slope.

32.90 Spur, slopes N.; desc. 28 ft. on W. slope.

35.30 A point 9 lks. S. of the orig. stan. ¼ sec. cor., which is a granite rock, 8x8x6 ins. above ground, firmly set and mkd. SC¼ on N. side, witnessed by a mound of stone, 2 ft. base and 1 ft. high to the N., from which

The old bearing tree:

A juniper, 16 ins. diam., bears N.9°24'W., 151 lks. dist., mkd. SC ¼ S35 BT.

I obliterate all evidence of this cor. and accessories.

Resurvey of the Fourth Standard Parallel North

thru R. ~~3~~⁶ W.

chains	
35.60	Sidehill ravine, 20 ft. wide, course N.15°W.; asc. 5 ft.
39.95	Spur, slopes NW.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for stan. $\frac{1}{4}$ sec. cor., with brass cap mkd.
	S C <u>$\frac{1}{4}$ S 35</u>
	1937
	from which
	A juniper, 6 ins. diam., bears N.70 $\frac{1}{4}$ °E., 15 lks. dist., mkd. $\frac{1}{4}$ S 35 SC BT.
	A yellow pine, 7 ins. diam., bears N.57 $\frac{1}{2}$ °W., 70 lks. dist., mkd. $\frac{1}{4}$ S 35 SC BT.
	Desc. 87 ft. on broken NW. slope.
48.25	4 strand barbwire fence, bears NE. and SW.
53.10	Wash, 10 ft. wide, 2 ft. deep, course N.; asc. 37 ft. on NE. slope.
57.35	Spur, slopes N.; desc. 103 ft. on NW. slope.
69.14	Chimney on sawmill building bears N.26 $\frac{1}{2}$ °W.
71.41	A spring of good water, 6 ft. long, 2 ft. wide and 2 ins. deep, bears S.6° 45'E., 230 lks. dist.;
71.70	Wash, 10 ft. wide, course N., about 1 chain to mouth, at Pine creek wash.
73.17	4 strand barbwire fence, bears NW. and SE.
73.17	4 strand barbwire fence, bears NW. and SE.
74.80	Enter washland, bears NE. and SW.
75.09	A point 2 lks. S. of the point for orig. stan. cor. of secs. 34 and 35, determined from old bearing trees: A white oak, 12 ins. diam.; bears N.21°E., 285 lks. dist., mkd. SC T17N R6W S35 BT. A white oak, 36 ins. diam., bears N.34 $\frac{1}{2}$ °W., 218 lks. dist., mkd. SC T17N R6W S34 BT. I obliterate all marks on these trees.
75.45	Center of main channel of Pine creek wash, 35 ft. wide, 4 ft. deep, course N.67°E., from S.30°W. From this point the same sawmill building chimney bears N.47 $\frac{1}{2}$ °E.
76.00	Leave washland, bears NE. and SW.; continue over lumber yard dump pile.
77.14	4 strand barbwire fence, bears N. and S.; enter enclosed grassy meadowland, about 5 acres.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for stan. cor. of secs. 34 and 35, with brass cap mkd.

Resurvey of the ~~Fourth~~ Standard Parallel North

4140

thru R. 6 W.

chains

S C
T 17 N R 6 W
S 34 S 35
T 16 N R 6 W
S 3
1937

from which

A black oak fork, 12 ins. diam., bears N. $14\frac{1}{2}^{\circ}$ E., 264 lks. dist., mkd. T17N R6W S35 SC BT.

A juniper, 6 ins. diam., bears N. $69^{\circ}45'$ W., 294 lks. dist., mkd. T17N R6W S34 SC BT.

Land, rolling mountainous.
Soil, rocky, over sandy loam, 3d and 4th rate.
Timber, juniper, yellow pine and oak.
Undergrowth, oakbrush, manzanita and laurel.

S. $89^{\circ}58'$ W., on true line on S. bdy. of sec. 34.

Over rolling land, across enclosed meadow; asc. 64 ft. over gentle SE. slope.

3.05 4 strand barbwire fence, bears NE. and SW.; leave enclosure and meadow; continue thru pine and juniper timber.

4.10 Traveled road, bears NE. to Walnut Creek Ranger Station and SW. to Camp Wood-Prescott graded road.

15.27 Camp meridian flag, on line, on N. side of Camp Wood Transient Relief camp (about 40 buildings on a 7 acre site). Camp is abandoned and buildings are being removed from time to time.

19.50 Change to NE. slope; asc. 41 ft.

35.10 A point 5 lks. S. of the orig. stan. $\frac{1}{4}$ sec. cor., which is a granite rock, 12x10x7 ins. above ground, firmly set and mkd. $\frac{1}{4}$ on N. side; from which the old bearing trees:

A yellow pine, 14 ins. diam., bears N. $11\frac{1}{4}^{\circ}$ E., 78 lks. dist., mkd. SC $\frac{1}{4}$ S34 BT.

A yellow pine, 12 ins. diam., bears N. 30° W., 62 lks. dist., mkd. SC $\frac{1}{4}$ S34 BT.

I obliterate all evidence of this cor. and accessories.

37.10 Shallow ravine; wash 5 ft. wide, course NE.; asc. 10 ft. along gentle NE. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to bedrock, and in a mound of stone to top, for stan. $\frac{1}{4}$ sec. cor., with brass cap mkd.

S C
 $\frac{1}{4}$ S 34

1937

from which

A white oak fork, 8 ins. diam., bears N. $73\frac{1}{2}^{\circ}$ E., 101 lks. dist., mkd. $\frac{1}{4}$ S34 SC BT.

A white oak, 6 ins. diam., bears N. $16\frac{1}{2}^{\circ}$ W., 119 lks. dist., mkd. $\frac{1}{4}$ S34 SC BT.

A spring of good water in concrete and rock box, 6x $2\frac{1}{2}$ x1 ft. deep, bears N. 58° W., 452 lks. dist.; spring is in head of wash, course N. 75° W., and water sinks in a short distance.

Resurvey of the Fourth Standard Parallel North

thru R. 6 W.

chains

SE. cor. of log cabin, 13x20 ft., bears S.74 $\frac{1}{2}$ °W., 266 lks. dist.

Asc. 72 ft. along gentle NE. slope.

50.30 Old dim road, not traveled, bears NW. and SE.

68.05 Forest service telephone line, 1 wire, bears NW. to Hyde Mtn. Lookout and SE.

69.35 Wash, 6 ft. wide, 2 ft. deep, course NE.; asc. 62 ft. on E. slope; thru heavy undergrowth and less pine timber.

75.14 A point 1 lk. S. of the orig. stan. cor. of secs. 33 and 34, which is a sandstone, 8x8x3 ins. above ground, firmly set and mkd. with 3 notches on E. and W. sides, and SC on N. side, from which the old bearing trees:

A juniper, 14 ins. diam., bears N.32 $\frac{1}{4}$ °E., 64 lks. dist., mkd. SC T17N R6W S34 BT.

A juniper, 14 ins. diam., bears N.30°45'W., 106 lks. dist., mkd. SC T17N R6W S33 BT.

I obliterate all evidence of this cor. and its accessories.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground to bedrock, and in a mound of stone to top, for stan. cor. of secs. 33 and 34, with brass cap mkd.

S C
T 17 N R 6 W
S 33 S 34
T 16 N R 6 W
S 4
1937

from which

A black oak, 6 ins. diam., bears N.60 $\frac{1}{4}$ °E., 81 lks. dist., mkd. T17N R6W S34 SC BT.

A juniper, 12 ins. diam., bears N.40°45'W., 101 lks. dist., mkd. T17N R6W S33 SC BT.

Land, gently rolling mountainous.
Soil, rocky over sandy and gravelly loam, 3d and 4th rate.
Timber, yellow pine, juniper, scrub oak and white oak.
Undergrowth, manzanita, oakbrush and laurel.

S.89°58'W., on true line on S. bdy. of sec. 33.

Over rolling mountainous land, thru dense undergrowth and scattering timber.

Asc. 43 ft. on NE. slope.

5.85 Low ridge, bears N. and S.; desc. 43 ft. on NW. slope.

11.53 Wash, 5 ft. wide, 1 ft. deep, course N.15°E.; asc. 32 ft. on SE. slope.

17.00 Ridge, bears NW. and S.; desc. 12 ft. on broken SW. slope.

23.60 Change to E. slope; asc. 83 ft.

34.64 Same ridge, bears NE. and W.; continue over top.

35.08 A point 5 lks. S. of the orig. stan. $\frac{1}{4}$ sec. cor., which is a granite rock, 8x8x8 ins. above ground, firmly set and mkd. $\frac{1}{4}$ on N. side, witnessed by a mound of stone to N.

Resurvey of the Fourth Standard Parallel North

thru R. 6 W.

4140

chains

From which the original bearing tree;
A juniper, 8 ins. diam., bears N.13 $\frac{1}{4}$ °E., 76 lks.
dist., mkd. SC $\frac{1}{4}$ S33 BT.

I obliterate all evidence of this cor. and its accessories.

40.00

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the
ground to bedrock, and in a mound of stone to top, for
stan. $\frac{1}{4}$ sec. cor., with brass cap mkd.

S C
 $\frac{1}{4}$ S 33

1937

from which

A juniper, 5 ins. diam., bears N.67°E., 54 lks. dist.,
mkd. $\frac{1}{4}$ S33 BT.

A juniper, 6 ins. diam., bears N.32°W., 48 lks. dist.,
mkd. $\frac{1}{4}$ S33 BT.

45.00

Leave top of ridge, bears E. and SW.; desc. 54 ft. on SW.
slope.

53.40

Wash, 10 ft. wide, 1 ft. deep, course N.15°W.; asc. 118
ft. on E. slope.

61.40

Ridge-spur, slopes NE.; desc. 128 ft. on broken NW. slope.

75.07

A point 8 lks. S. of the orig. stan. cor. of secs. 32 and
33, which is a granite rock, 7x7x5 ins. above ground,
firmly set and mkd. SC on N., with 4 notches on E. and 2
notches on W. sides; from which the old bearing trees:

A juniper, 24 ins. diam., bears N.71 $\frac{1}{4}$ °E., 109 lks.
dist., mkd. SC T17N R6W S33 BT.

A yellow pine, 14 ins. diam., bears N.25°W., 90 lks.
dist., mkd. SC T17N R6W S32 BT.

I obliterate all evidence of this cor. and its accessories.

77.13

Rocky wash, 10 ft. wide, course NE.; asc. 30 ft. on NE.
slope.

80.00

Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the
ground to bedrock, and in a mound of stone to top, for
stan. cor. of secs. 32 and 33, with brass cap mkd.

S C
T 17 N R 6 W
S 32 S 33
T 16 N R 6 W

S 5
1937

from which

A pinyon, 6 ins. diam., bears N.46 $\frac{1}{2}$ °E., 80 lks. dist.,
mkd. T17N R6W S33 SC BT.

A juniper, 7 ins. diam., bears N.57 $\frac{1}{4}$ °W., 77 lks. dist.,
mkd. T17N R6W S32 SC BT.

Land, mountainous.

Soil, rocky over sandy and gravelly loam, 3d and 4th rate.

Timber, scrub oak, juniper, white oak and yellow pine and
pinyon.

Undergrowth, manzanita, oakbrush and laurel.

Resurvey of the ~~Fourth~~ Standard Parallel North
thru R. 6 W.

chains	
	S.89°58'W., on true line on S. bdy. of sec. 32. Over rolling mountainous land, thru dense undergrowth and some timber; scattering on slopes to heavy in bottoms. Asc. 94 ft. on NE. slope.
10.00	Spur, slopes N.; desc. 32 ft. on NW. slope.
14.14	Wash, 8 ft. wide, 1 ft. deep, course N.60°E.; asc. 133 ft. over NE. slope, strewn with large sandstone boulders.
23.25	Rocky ridge, bears NE. and SW.; desc. 157 ft. over broken NW. slope.
26.90	Sidehill ravine, 5 ft. wide, course N.30°W.; a small spring seep bears S.30°E., 110 lks. dist.; water is 6 ins. in diam., 2 ins. deep, and disappears in a few feet.
34.96	A point 7 lks. S. of the orig. stan. $\frac{1}{4}$ sec. cor., which is a granite rock, 10x10x4 ins. above ground, firmly set and mkd. SC $\frac{1}{4}$ on N. side; from which the old bearing trees: A black oak, 8 ins. diam., bears N.68°E., 69 lks. dist., mkd. SC $\frac{1}{4}$ S32 BT. A yellow pine, 12 ins. diam., bears N.45°45'W., 34 lks. dist., mkd. SC $\frac{1}{4}$ S32 BT. I obliterate all evidence of this cor. and its accessories.
36.65	Wash, 10 ft. wide, 2 ft. deep, course S.20°W.; asc. 13 ft.
37.45	Short spur, slopes S.; desc. 14 ft.
39.03	Wash, 25 ft. wide, 2 ft. deep, course S.30°E.; asc. 14 ft.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground, to bedrock, and in a mound of stone to top, for stan. $\frac{1}{4}$ sec. cor., with brass cap mkd. S C <u>$\frac{1}{4}$ S 32</u> 1937 from which A juniper, 5 ins. diam., bears N.24 $\frac{1}{4}$ °E., 93 lks. dist., mkd. $\frac{1}{4}$ S32 SC BT. A juniper, fork, 14 ins. diam., bears N.31 $\frac{1}{4}$ °W., 154 lks. dist., mkd. $\frac{1}{4}$ S32 SC BT. Asc. 195 ft. on broken SE. slope.
51.00	Change to NE. slope.
57.04	Rocky ridge, bears N. and S.; desc. 170 ft. on broken NW. slope.
69.50	Wash, 10 ft. wide, course SW.; continue along S. slope.
71.80	Wash, 10 ft. wide, course SE.; asc. 50 ft. on E. slope.
74.89	A point 3 lks. N. of the orig. stan. cor. of secs. 31 and 32, which is a cross X marked on bedrock, from which The old bearing trees: A yellow pine, 12 ins. diam., bears N.11 $\frac{1}{4}$ °E., 81 lks. dist., mkd. SC T17N R6W S32 BT.

Resurvey of the ~~Fourth~~ Standard Parallel North
thru R. 6 W.

4040

checks

A yellow pine stump, 12 ins. diam., bears N.43 $\frac{1}{2}$ °W.,
43 lks. dist., mkd. SC T17N R6W S31 BT.

I obliterate all evidence of this cor. and its accessories.

78.50 Low spur, slopes S.; desc. 15 ft.

79.50 Wash, 10 lks. wide, course S.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 3 ins. in the
ground to bedrock, and in a mound of stone to top, for
stan. cor. of secs. 31 and 32, with brass cap mkd.

S C
T 17 N R 6 W
S 31 S 32
T 16 N R 6 W
S 6
1937

from which

A juniper, 6 ins. diam., bears N.29°E., 111 lks.
dist., mkd. T17N R6W S32 SC BT.

A juniper, 10 ins. diam., bears N.51 $\frac{1}{2}$ °W., 43 lks.
dist., mkd. T17N R6W S31 SC BT.

Land, mountainous, low and rocky.
Soil, rocky and boulders over sandy ~~dark~~ loam, 4th rate.
Timber, scrub oak, juniper, pinyon and scattering yellow
pine.
Undergrowth, manzanita, oakbrush and laurel.

S.89°58'W., on true line on S. bdy. of sec. 31.

Over broken, boulder strewn, low mountainous land, thru
dense undergrowth and some timber.

Asc. 30 ft. over general SE. slope.

22.25 Low ridge, bears N. and S.; desc. 70 ft. over general SW.
slope.

34.78 The orig. stan. $\frac{1}{4}$ sec. cor. sec. 31, which is a granite
rock, 11x10x4 ins. above ground, firmly set and mkd. SC $\frac{1}{4}$
on N. side.

As this cor. now becomes an angle point on S. bdy. sec. 31,

I change marks on N. side of rock to AP, from which

The old bearing trees:

A juniper, 20 ins. diam., bears N.5 $\frac{1}{2}$ °E., 81 lks.
dist., mkd. SC $\frac{1}{4}$ S31 BT., I obliterate these marks
and remark AP S31 BT.

A yellow pine, 20 ins. diam., bears N.48°W., 82 lks.
dist., mkd. SC $\frac{1}{4}$ S31 BT., I change marks to AP S31 BT.

Thence, N.89°57'W., on true line on S. bdy. of sec. 31,
continuing measurement.

Desc. 7 ft. over SW. slope.

35.30 Traveled road, bears N.75°W. to Hill's and S.75°E. to
Camp Wood and Prescott.

40.00 True point for stan. $\frac{1}{4}$ sec. cor.; falls in wash, 15 ft.
wide, 1ft. deep, course S.75°E.

24. BOOK 4140

Resurvey of the Fourth Standard Parallel North
thru R. 6 W.

chains

40.40 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, and in a mound of stone to top, for wit. stan. $\frac{1}{4}$ sec. cor., with brass cap mkd.
$$\begin{array}{r} S C \\ \frac{1}{4} S 31 \\ \hline WC \end{array}$$

1937

from which

A juniper, 20 ins. diam., bears N. $13\frac{1}{4}^{\circ}$ E., 59 lks. dist., mkd. WC $\frac{1}{4}$ S31 SC BT.A yellow pine, 20 ins. diam., bears N. 53° W., 104 lks. dist., mkd. WC $\frac{1}{4}$ S31 SC BT.

Asc. 52 ft. over broken NE. slope.

46.30 Boulder strewn spur, slopes N.; asc. 24 ft. on NE. slope.

53.60 Rocky ridge, bears NW. and SE.; desc. 35 ft. on SW. slope.

62.44 Intersect the orig. clos. cor. of T.16 N., Rs.6 and 7 W., which is a granite rock, 8x8x6 ins. above ground, firmly set and marked with CC on S., 6 notches on each of E., W. and S. sides.

In place of rock, which is set alongside,

Set an iron post, 3 ft. long, 3 ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone to top, for clos. cor. of T.16 N., Rs.6 and 7 W., with brass cap mkd.

$$\begin{array}{r} T 17 N R 6 W \\ S 31 \\ \hline S 1 S 6 \\ R 7 W R 6 W \\ T 16 N \\ C C \\ 1937 \end{array}$$

from which

The old bearing trees:

A juniper, 16 ins. diam., bears S. $18\frac{1}{2}^{\circ}$ E., 56 lks. dist., mkd. CC T16N R6W S6 BT.A juniper, 14 ins. diam., bears S. 28° W., 103 lks. dist., mkd. CC T16N R7W S1 BT.68.12 Wash, 3 ft. wide, 2 ft. deep, course S. 10° E.; asc. 22 ft. over top of low long spur, slopes S. 75° E.

74.69 The orig. stan. cor. of T.17 N., Rs.6 and 7 W., which is a granite rock, 14x8x6 ins. above ground, firmly set and mkd. SC on N., with 6 notches on each of E., W. and N. sides.

In place of the rock, which is set alongside,

Set an iron post, 3 ft. long, 3 ins. diam., 27 ins. in the ground, for stan. cor. of T.17 N., Rs.6 and 7 W., with brass cap mkd.

$$\begin{array}{r} S C \\ T 17 N \\ R 7 W R 6 W \\ S 36 S 31 \\ \hline \end{array}$$

1937

from which

Resurvey of the **Fourth** Standard Parallel North

thru R. 6 W.

chains

The original bearing trees:

A black oak, 12 ins. diam., bears N. $29\frac{1}{2}^{\circ}$ E., 73 lks. dist., marks on old blaze are illegible from decay.

A yellow pine, 32 ins. diam., bears N. $16\frac{1}{2}^{\circ}$ W., 44 lks. dist., mkd. SC T17N R7W S36 BT.

The new bearing tree:

A yellow pine, 20 ins. diam., bears N. $54\frac{1}{2}^{\circ}$ E., 147 lks. dist., mkd. T17N R6W S31 SC BT.

Land, rolling mountainous, strewn with massive boulders.

Soil, rocky over sandy loam, 4th rate.

Timber, scrub oak, juniper, pinyon and yellow pine.

Undergrowth, manzanita, oakbrush and laurel.

FINAL TEST OF SOLAR ATTACHMENT

August 22, 1937, at 9h 0m a.m., app.t., at my station in camp in sec. 3, T.16 N., R.6 W., I set off $34^{\circ}48'N.$ on the latitude arc, $11^{\circ}47'N.$ on the decl. arc, and orient the transit with the solar; the line of sight agrees with the meridian established by Observation on Polaris.

At app. noon, with latitude arc unchanged, I observe the sun on the meridian; the resulting reading of the declination arc is $11^{\circ}44'N.$, which agrees with the computed declination.

At 3h 0m p.m., app.t., with latitude arc unchanged, I set off $11^{\circ}42'N.$ on the decl. arc and determine a meridian with the solar; the line of sight agrees with the meridian established by observation on Polaris.

I conclude that the transit has been maintained in proper adjustment.

August 22, 1937

CERTIFICATE OF ~~UNITED STATES~~ SURVEYOR

I, Roger F. Wilson, Surveyor, General Land ^{Office} ~~Land~~, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 19th day of July, 1937 received from the district cadastral engineer for Arizona, with assignment instructions dated July 26, 1937, I have ~~surveyed~~ dependently and independent-ly resurveyed the 4th Standard Parallel North, through Ranges 5 and 6 West, along the South boundary of Township 17 North, Ranges 5 and 6 West, of the Gila and Salt ^{River} Meridian, in the State of Arizona, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said ^{re} survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Glendale, California,
October 29, 1937.

Roger F. Wilson
Surveyor, General Land Office

CERTIFICATE OF APPROVAL

OFFICE OF ~~U.S.~~ SUPERVISOR OF SURVEYS,

Denver, Colorado, March 14, 1938.

The foregoing field notes of the ~~survey of~~ the dependently and independent resurvey of the 4th Standard Parallel North, through Ranges 5 and 6 West, along the South boundary of Townships 17 North, Ranges 5 and 6 West, of the Gila and Salt River Meridian, in the State of Arizona, executed by Roger F. Wilson, Surveyor, General Land Office, under special instructions dated July 19, 1937, and assignment instructions dated July 26, 1937, having been critically examined, and the necessary corrections made prior to their certification by the engineer, the said field notes, and the ^{re} survey therein described, are hereby approved.

Charles E. Cannon
U.S. Supervisor of Surveys.

CERTIFICATE OF TRANSCRIPT

I ~~CERTIFY~~ that the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes on file in the public survey office.

U.S. Supervisor of Surveys.