



Original

4-679

Book B.

BOOK 4024

FIELD NOTES

of the

resurvey of a portion of the East boundary of Township 4 South, Range
17 East; and surveyed the North boundary and subdivisional lines of
fractional Township 4 South, Range 18 East.

Of the Gila and Salt River Meridian,

In the State of Arizona

EXECUTED BY

Charles E. Hunter, U.S. Transitman

In the capacity of U. S. Surveyor..., under Special Instructions dated March 22, 1933,
~~19xx~~, issued by the District Cadastral Engineer to govern surveys included in Group
No. 182, which were approved by the Commissioner of the General Land
Office, April 17, 1933, and Assignment Instructions dated April 7, 1933.

Survey commenced April 12, 19 33.

Survey completed May 29, 19 33.

4024

4024

BOOK 4024

INDEX DIAGRAM.

Township 4 South, Range 18 East

6	5	4	3	2	2
6 52 51	5 39 50	4 31 38	3 23 30	2 15 22	1 14
7 49 48	8 47	37 9 30 37	10 21 29	11 13 21	12 13
18 45	17 36 45	16 28 35	15 20 27	14 12 19	13 11
46 19 44 43	20 35 43	21 27 34	22 19 26	23 10 18	24 9
30 42 41	29 33 40	28 25 32	27 17 25	26 8 16	25 7
31 40 40	32 32 32	33 24 33	34 16 34	35 7 35	36 36

Fractional
North boundary of T. 4 S., R. 18 E.

4024

The survey of the north boundary and subdivision lines of T. 4 S., R. 18 E. was executed with a Young and Sons solar transit, serial No. 8292, constructed in accordance with the standard specifications of the General Land Office. The horizontal circle has a diameter of $4 \frac{3}{4}$ ins., with two double opposite verniers reading to single minutes; the vertical circle has a diameter of 5 ins., with one double vernier reading to single minutes. The instrument is equipped with the improved Smith solar attachment; radius of latitude arc $3 \frac{1}{4}$ ins., and of declination arc 3 ins., each with verniers reading to single minutes. The instrument was in good condition, and having been placed in satisfactory adjustment prior to beginning the survey, and tested and found free from appreciable error, was approved by the district cadastral engineer, November 16, 1932. I examine all of the instrumental adjustments before making the field tests hereinafter recorded.

The directions of all lines were determined by solar transit method. The measurements were made with a steel tape, 5 chains in length, graduated every link for the first 100 links, and the balance at intervals of 10 links. 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 furnished with the special instructions gives the geographic position for the SE. cor. of T. 5 S., R. 18 E., as follows: latitude $32^{\circ} 56' 40''$ N., and longitude $110^{\circ} 26' 48''$ W.

April 11, 1933, in camp about 12 chains west of the cor. of secs. 13, 18, 19, and 24, on the east boundary of the tp., in latitude $33^{\circ} 04' N.$, longitude $110^{\circ} 26' 48'' W.$, I make an hour angle observation on Polaris, west of the meridian at 6h 58.8m p.m., by my watch, which reads correct 105th meridian time, making four readings, two each with the telescope in direct and reversed positions, and mark the line thus determined by a tack in a peg driven firmly in the ground 5 chs. N.

Mean watch time of observation	6h 58.8m
Watch fast	21.8m
L.m.t. of observation	6h 37.0m

I lay off the azimuth of Polaris $1^{\circ} 15'$ to the right, and mark the meridian by a tack in a peg driven firmly in the ground 5 chs. N.

April 12, at 8h 30m a.m., appt. t., I set off $33^{\circ} 04' N.$ on the lat. arc; $8^{\circ} 41' 45'' N.$ on the decl. arc; and orient the instrument with the solar; the line of sight agrees with the meridian established by Polaris observation.

At 4h 0m p.m., appt t., I set off $33^{\circ} 04' N.$ on the lat arc; $8^{\circ} 48' 30'' N.$ on the decl. arc; and orient the instrument with the solar; the line of sight agrees with the meridian established by Polaris observation.

I repeat the tests of the arcs daily by noon observations, and verify the meridional indications at frequent intervals throughout the survey.

Fractional North boundary of T. 4 S., R. 18 E.

- Chains From the cor. of Tps. 3 and 4 S., Rs. 17 and 18 E., East on a random line between Tps. 3 and 4 S., R. 18 E., setting temporary $\frac{1}{4}$ sec. and sec. cors. at intervals of 40 and 80 chs.
- 416.85 Intersect the south boundary of the White Mountain Indian Reservation.
Set an iron post 3 ft. long, 3 ins. diam., 6 ins in the ground to bedrock, and in a mound of stone 5 ft. base, $2\frac{1}{2}$ ft. high, for closing corner of Tps. 3 and 4 S., R. 18 E., with brass cap marked
- | | | |
|----|---|------|
| | T 3 S | |
| | R 18 E S 36 | WMIR |
| CC | <hr style="width: 100%; border: 0.5px solid black;"/> | |
| | T 4 S S 1 | |
| | R 18 E | |
- 1933 from which
- A Juniper, 6 ins diam., bears S. $52\frac{1}{2}^{\circ}$ E., 298 lks. dist., marked T4S R18E S1 CCBT.
- A juniper, 15 ins. diam., bears N. 86° E., 137 lks. dist. marked T4S R18E S36 CCBT.
- From point of intersection, the $24\frac{1}{2}$ mile cor. on the White Mountain Indian Reservation boundary bears S. 68° E., 1.28 chs. dist; a limestone 18 x 5 x 7 ins. above ground marked and witnessed as described in the official record.
- From the same point the 25 mile cor. on the White Mountain Indian Reservation boundary bears N. 68° W., 38.72 chs. dist; a sandstone 18 x 10 x 6 ins. above ground, marked and witnessed as described in the official record.
- Thence
West, on a true line bet. secs. 1 and 36.
- Descend SW. slope, through dense oakbrush,
- 13.80 Ravine, 50 lks. wide, course NW.; along N. slope.
- 18.82 A point 78.71 chs. N. $0^{\circ} 01'$ W. of the cor. of secs. 1, 2, 11, and 12, hereinafter described.
The point for the cor. of secs. 1, 2, 35, and 36, falls in the bottom of a gulch, course N. 80° E. Not practicable to set a cor. at this point. Witness corner hereinafter described.
- Land, hilly.
Soil, rocky, 3rd rate.
No timber; undergrowth, oakbrush.
-
- West, on a true line bet. secs. 2 and 35.
- Ascend NE. slope, 46 ft.
- 2.80 Drain, 15 lks wide, course N. 55° E.
- 5.05 Limestone ledge, bears N. and S.
- 10.50 Broad ridge, bears N. 10° E. and S. 10° W. Descend W. slope, 200 ft.
- 34.08 Ravine, 15 lks. wide, course N. 25° W. Ascend E. slope 45 ft.
- 39.80 Spur, slopes N. 35° W. Descend W. slope 110 ft.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

Fractional North Boundary of T. 4 S., R. 18 E.

4024

Chains

S 35
 $\frac{1}{4}$ —————
 S 2
 1933

A cedar, 5 ins. diam. bears N. 6° E., 32 lks. dist., from which
 marked $\frac{1}{4}$ S 35 BT.
 A cedar, 10 ins diam., bears S. 28 $\frac{1}{4}$ ° W., 230 lks. dist.,
 marked $\frac{1}{4}$ S 2 BT.
 Continue descent over broken W. slope.

- 51.54 Gulch, 30 lks. wide, course N. 25° W. Over N. slope.
- 54.15 Toe of spur, slopes N. 20° E.
- 55.25 Gulch, Course NE. Ascend E. slope 300 ft.
- 72.10 Spur, slopes S. 60° E. Descend slightly over S. slope.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in
 the ground for cor. of secs. 2, 3, 34, and 35, with
 brass cap marked

T 3 S	R 18 E
S 34	S 35
S 3	S 2
T 4 S	
1933	

A catclaw, 8 ins. diam., bears S. 79 $\frac{1}{4}$ ° W., 218 lks. dist. from which
 marked T4S R18 E S3 BT.
 A catclaw, 10 ins. diam., bears S. 14 $\frac{3}{4}$ ° E., 462 lks.
 dist., marked T4S R18E S2 BT.
 No other accessories available.

Land, broken hills.
 Soil, rocky and gravelly, 2nd and 3rd rate.
 No timber; undergrowth, oakbrush, catclaw and scrub cedar.

West, on a true line bet. secs. 3 and 34.

Ascend E. slope, 5 ft.

- 1.23 Spur, slopes S. 5° E. Over gentle W. slope.
- 3.27 4 strand barb wire fence, bears S. 63° W. and N. 63° E.
- 4.73 Descend steep NW. slope, 100 ft.
- 6.95 Ravine, 20 lks. wide, course N. 5° E. Asc. E. slope, 20 ft
- 10.04 4 strand barb wire fence, bears N. 63° W. and S. 63° E.
- 13.00 Spur, slopes N. 25° W. Descend NW. slope, 100 ft.
- 16.30 Ravine, 30 lks. wide, course N. 10° E. Ascend broken E.
 slope, 200 ft.
- 19.96 Drain, 20 lks. wide, course N. 55° E.
- 24.20 Same drain, course S. 80° E.
- 32.30 Spur. slopes S. 25° E. Descend SW. slope, 50 ft.
- 35.68 Ravine, 30 lks. wide, course S. 25° E. Ascend E. slope,
 250 ft.
- 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, 3 ft.
 base, 1 $\frac{1}{2}$ ft. high, for $\frac{1}{4}$ sec cor., with brass cap
 marked

Fractional North Boundary of T. 4 S., R. 18 E.

Chains	
	$\frac{1}{4} \frac{S \ 34}{S \ 3}$ <p>1933 from which A cedar 10 ins. diam., bears N. 50° W., 107 lks. dist., marked $\frac{1}{4}$ S34 BT.</p>
44.30	Spur, slopes S. 40° E. Descend 20 ft.
51.12	Small ravine, course S. 10° W. Ascend SE. and E. slope, 200 ft.
60.05	Spur, slopes S. 15° E. Descend over SW. slope, 100 ft.
64.25	Drain, 10 lks. wide, course S. 30° W.
66.25	Drain, 8 lks. wide, course S. 10° E.
67.70	Spur, slopes S. 40° E. Continue descent.
72.00	Head of ravine, 15 lks. wide, course S. 40° E. Ascend NE. slope, 200 ft.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground, to bedrock, and in a mound of stone to top, for cor. of secs. 3, 4, 33, and 34, with brass cap marked
	$\begin{array}{r} T \ 3 \ S \ R \ 18 \ E \\ S33 \ S34 \\ S \ 4 \ S \ 3 \\ T \ 4 \ S \\ 1933 \end{array}$ <p>from which A cedar, 12 ins. diam., bears S. 45½° E. 269 lks. dist., marked T4S R18E S3 BT. Land, mountainous. Soil, rocky and gravelly, 2nd and 3rd rate. No timber; undergrowth, oakbrush and scrub cedar.</p>
	West, on a true line bet. secs. 4 and 33. Ascend 140 ft. over N. slope of bare rocky peak.
13.75	Rocky spur, slopes NW. Descend 460 ft. over NW. and W. slopes.
32.80	Head of ravine, 8 lks. wide, course S. 15° W. Ascend SE. slope 185 ft.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 25 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4} \frac{S \ 33}{S \ 4}$ <p>1933 raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.</p>
44.50	Precipitous rocky ridge, bears N. 63° E. and S. 63° W. Descend 350 ft. over steep W. slope.
59.36	Head of ravine, 10 lks. wide, course S. 16° W. Ascend 45 ft. over SE. slope.
64.50	Rocky spur, slopes S. 14° W. Descend 170 ft. over steep NW. slope.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground, to bedrock, and in a mound of stone to top, for cor. of secs. 4, 5, 32, and 33, with brass cap marked

Fractional North Boundary of T. 4 S., °R. 18 E.

Chains	T 3 S R 18 E S 32 S 33 S 5 S 4 T 4 S 1933
	from which A limb of mesquite, 6 ins. diam., bears S. 72° W. 11 lks. dist., marked T4S R18E S5 BT. Land, mountainous, Soil, rocky, 3rd rate. No timber; undergrowth, mesquite.
	West on a true line bet. secs. 5 and 32.
	Descend over short W. slope.
1.90	Small ravine, course N. Thence over general N. slope.
4.30	Small spur, slopes N. 40° W.
8.70	Small ravine, course N. 15° W.
15.35	Small spur, slopes N. 10° E.
20.25	Small ravine, course, N. 30° E.
25.00	Small spur, slopes N. 30° E.
30.30	Head of small ravine, course N. 30° W.
33.70	Spur, slopes N. 55° W. Descend W. slope.
38.80	Small ravine, course N. 10° W. Ascend NE. slope,
40.00	Set an iron post, 3 ftl long., 1. in. diam., 26 ins in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	S 32 $\frac{1}{4}$
	S 5 1933
	from which A fork of a cedar, 12 ins. diam., bears N. 49° W., marked $\frac{1}{4}$ S32 BT. No other accessories available.
40.90	Small spur slopes NW. Descend NW slope.
42.05	Small ravine, course N. 55° W.
53.75	Small ravine, course N. 38° W. Ascend over rolling NE. slope.
62.20	Small ravine, course N. 15° E.
64.88	Spur, slopes N. 15° E.
67.25	Drain, 10 lks. wide, course N. 15° E.
69.25	Spur. slopes N. 25° E.
71.75	Head of drain, course N. 33° E.
75.45	Ridge, bears N. 25° W. and S. 25° E. Descend SW. slope 50 ft.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground, and in a mound of stone to top, with a stone marked "X" at base of post, for cor. of secs. 5, 6, 31, and 32, with brass cap marked

Fractional North Boundary of T. 4 S., R. 18 E.

Chains

T 3 S R 18 E

S 31	S 32
S 6	S 5

T 4 S

1933

Land, mountainous,
Soil, rocky and gravelly, 2nd and 3rd rate.
No timber; under brush, scrub cedar.

West on a true line bet. secs. 6 and 31.
Descend 250 ft. over rocky SW. slope, through greasewood
and sage brush.

- 6.30 Drain, 10 lks wide, course S. 55° W.
- 10.34 Small ravine, courses N. 50° W.
- 16.05 Enter bottom of Hawk Canyon, bears N. and S.
- 19.35 Hawk Creek, 60 lks wide, course N. 8° E.
- 20.70 Leave bottom of Hawk Canyon. Ascend E. slope 220 ft.
- 33.50 Spur, slopes S. 60° E. Descend 50 ft. over SW. slope.
- 38.30 Ravine, course S. 10° E. Ascend 100 ft. over NE. slope.
- 40.00 Set an iron post, 3 ft. long., 1 in. diam., 27 ins. in
the ground, for $\frac{1}{4}$ sec. cor. with brass cap marked.
- S 31
 $\frac{1}{4}$ —————
S 6
1933
- from which
- A fork of a cedar, 10 ins. diam., bears N. 5 $\frac{1}{4}$ ° W.,
85 lks. dist., marked $\frac{1}{4}$ S31 BT
- A cedar, 12 ins. diam., bears S. 18 $\frac{1}{2}$ ° E.,
86 lks. dist., marked $\frac{1}{4}$ S6 BT.
- 49.00 Spur, slopes S. 75° E. Descend slightly.
- 51.20 Ravine, 15 lks. wide, course S. 60° E. Ascend 300 ft.
over broken E. slope.
- 63.60 Ridge, bears S. 10° E., and N. 10° W. Descend 90 ft.
over SW. slope.
- 70.76 Ravine, 10 lks. wide, course NW. Ascend 60 ft. over
NE. slope.
- 77.50 Spur, slopes N. 40° W.
- 78.03 The corner of Tps. 3 and 4 S., Rs. 17 and 18 E.

An iron post, 3 ins. diam., projecting 10 ins. out of
the ground, alongside a sandstone 12 x 10 x 6 ins. above
ground, marked and witnessed as described in the
official record.

Land, mountainous.
Soil, rocky, 2nd and 3rd rate.
No timber; undergrowth, scrub cedar.

Subdivision of T. 4 S. R. 18 E.

Chains	<p>From the corner of secs. 1, 2, 35, and 36, on the S. boundary of the township, which is an iron post, 2 ins. diam., 24 ins. above ground, in a mound of stone, with brass cap, marked and witnessed as described in the official record. N. 0° 01' W. bet. secs. 35 and 36.</p> <p>Ascend 54 ft. over rocky S. slope, through thickets of pine, juniper, scrub oak and manzanita brush.</p> <p>16.50 Leave pine and juniper thickets, and ascend steep rocky S. slope 615 ft.</p> <p>31.20 Top of ridge, bears S. 52° E. and N. 52° W. Descend 165 ft. over N. slope, through dense thickets of pine, juniper and manzanita brush,</p> <p>40.00 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, supported on the N. side by a large rock, for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <p style="text-align: center;"> $\frac{1}{4}$ S35 S36 1933 </p> <p>A pinyon, 10 ins. diam., bears N. 81° E., 20 lks. dist., marked $\frac{1}{4}$S36 BT. A pinyon, 10 ins. diam., bears S. 80° W., 54 lks. dist., marked $\frac{1}{4}$S35 BT.</p> <p>Descend N. slope, 266 ft. through dense pinyon, juniper, scrub oak, manzanita and laurel brush,</p> <p>50.26 Rawhide Canyon, course N. 80° W. Ascend 330 ft. over rolling SW. slope, through scattering junipers.</p> <p>76.80 Spur, slopes S. 50° W. Thence across W. face of spur.</p> <p>80.00 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, to bedrock, and in a mound of stone to top, with a stone marked "X" at base of post, for cor. of secs. 25, 26, 35, and 36, with brass cap marked</p> <p style="text-align: center;"> T 4 S R 18 E S26 S25 S35 S36 1933 </p> <p>No BTs available.</p> <p>Land, mountainous, ridges and canyons. Soil, none. Timber, pinyon and cedar; undergrowth, oak, laurel and manzanita brush.</p>
40.00	<p>N. 89° 48' E. on a random line bet. secs. 25 and 36.</p> <p>Set temp. $\frac{1}{4}$ sec. cor.</p>
80.03	<p>Intersect the E. bdy. of the tp. 15 lks. S. of the cor. of secs. 25, 30, 31, and 36, which is an iron post, 2 ins. diam., 12 ins. above ground, with brass cap, marked and witnessed as described in the official record.</p> <p>Thence</p> <p>S. 89° 41' W. on a true line bet. secs. 25 and 36. Over mountainous land.</p>
1.35	<p>Head of ravine, course, N. 50° E. Ascend 548 ft. over steep, rocky NE. slope, through pinyons, junipers, oak and laurel brush.</p>

Subdivision of T. 4 S., R. 18 E.

- Chains
18.52 Ledge of large rocks, bears NW and SE. Over gradual NE slope, through dense brush, ascend 36 ft.
- 36.60 Precipitous rock ledge, bears NW and SE. Descend SW. slope 53 ft.
- 39.20 Set an iron post, 3 ft. long, 1 in. diam, on the surface of a huge rock, mark a "X" on the rock at base of post, and raise a mound of stone around post to top, for witness corner to the $\frac{1}{4}$ sec. cor., with brass cap marked
- WC
 $\frac{1}{4}$ S 25
S 36
1933
- 40.01 Point for $\frac{1}{4}$ sec. cor. falls on an insecure place for cor. Continue descent over rocky SW. slope. 822 ft.
- 80.03 The cor. of secs. 25, 26, 35, and 36.
- Land. mountainous, with steep slopes.
Soil, rocky and shaly, very thin.
Timber, short pines and junipers; undergrowth, scrub oak, laurel and manzanita.

N. 0° 01' W. bet. secs. 25 and 26.

Descend steep, rocky NW. slope, 431 ft., through dense oak brush and scattering junipers.

- 18.50 Ravine, 10 lks. wide, course N. 30° W.
- 21.00 Ravine, 10 lks. wide, course W. Ascend 210 ft. over rolling SW. slope.
- 36.50 Ridge, bears N. 50° W. and S. 50° E. Descend 70 ft. over rocky NE. slope, through pinyon and laurel thickets.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor, with brass cap marked
- $\frac{1}{4}$
S26 | S25
1933
- A pinyon, 10 ins. diam. bears S. 57° W. 79 lks. dist., marked $\frac{1}{4}$ S26 BT. from which
- A pinyon, 9 ins. diam., bears N. 11° E. 39 lks. dist., marked $\frac{1}{4}$ S25 BT.
- Continue descent 175 ft.
- 59.15 Edge of rock ledge.
- 60.00 Head of ravine, course NW. Ascend steep SW. slope
- 67.15 Ridge, bears N. 22° W. and S. 22° E. Descend NE. slope
- 70.00 Head of ravine, course NE. Thence over E. slope.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, to bedrock, with a stone marked "X" at base of post, and in a mound of stone to top, for cor. of secs, 23, 24, 25, and 26, with brass cap marked

T 4 S R 18 E

S23 | S24

S26 | S25

1933

A pinyon, 8 ins. diam., bears S. 4 $\frac{1}{2}$ ° W. 92 lks. dist., marked T4S R18E S26 BT from which

Subdivision of T. 4 S., R. 18 E.

BOOK 4024

Chains

A pinyon, 6 ins. diam., bears N. $18\frac{3}{4}^{\circ}$ W., 58 lks. dist., marked T4S R18E S23 BT.

A pinyon, 11 ins. diam. bears N. $51\frac{1}{4}^{\circ}$ E. 150 lks. dist., marked T4S R18E S24 BT.

A pinyon, 6 ins. diam., bears S. $54\frac{1}{2}^{\circ}$ E., 59 lks. dist., marked T4S R18E S25 BT.

Land, mountainous, ridges and ravines.
Soil, gravelly and rocky, only a few inches in depth.
Timber, short pines and junipers; undergrowth, oak brush, laurel brush and manzanita.

N. $89^{\circ} 41'$ E. on a random line bet. secs. 24 and 25.

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

80.12 Intersect the E. boundary of tp. 2 lks. N. of the cor. of secs. 19, 24, 25, and 30, which is an iron post, 2 ins. diam., 12 ins. above ground, with brass cap, marked and witnessed as described in the official record.

Thence

S. $89^{\circ} 42'$ W. on a true line bet. secs. 24 and 25.

Ascend gradually over general N. slope.

2.40 Ravine, course N. 10° W.

4.75 Spur, slopes N. Enter thickets of scrub oak and pine.

8.15 Ravine, 25 lks. wide, course N. 10° E. Ascend SE. slope.

12.36 Spur, slopes N. 10° E. Continue ascent over general NE. slope.

16.60 Drain, 8 lks. wide, course N. 10° E.

20.23 Drain, 5 lks. wide, course N. 45° E.

25.85 Ridge, bears N. and S. Descend W. slope, 60 ft.

29.00 Ravine, 5 lks. wide, course N. Ascend NE. slope, 65 ft.

38.85 Ridge, bears N. 30° W., and S. 30° E. Descend 11 ft.

40.06 Set an iron post, 3 ft. long., 1 in. diam., 8 ins. in the ground, to bedrock, with a stone marked "X" at base of post, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor. with brass cap marked

S24

$\frac{1}{4}$

S25

1933

from which

A limb of juniper, 10 ins. diam., bears S. 7° W., 269 lks. marked $\frac{1}{4}$ S25 BT.

A juniper, 18 ins. diam., N. $1\frac{1}{2}^{\circ}$ E. 186 lks. dist. marked $\frac{1}{4}$ S24 BT.

Continue to descend over SW. slope, 100 ft.

49.00 Ravine, course, N. 50° W. Ascend NE. slope 94 ft.

58.40 Top of ridge, bears NW. and SE. Descend SW. slope 140 ft.

64.80 Ravine, 10 lks. wide, course N. Ascend NE. slope, 70 ft.

68.55 Spur, slopes NW. Descend SW. slope 83 ft.

Subdivision of T. 4 S., R. 18 E.

Chains	
74.20	Ravine, 30 lks wide, course N. Ascend E. slope 122 ft.
80.12	The cor. of secs. 23, 24, 25, and 26. Land, mountainous, spurs and ravines. Soil, gravelly, thin. Timber, pinyons and cedars; undergrowth, oak, laurel and manzanita brush, and desert cactus.
	N. 0° 01' W. bet. secs. 23 and 24. Descend 153 ft. over E. and NE. slope.
14.65	Enter ravine, course N. from SE.
16.65	Junction with ravine, 5 lks. wide, course E. Ascend S. slope 90 ft.
22.30	Ridge, bears S. 70° E., and N. 70° W. Descend N. slope 40 ft.
25.90	Ravine, 5 lks wide, course E. Ascend S. slope 113 ft.
30.80	Ridge, bears E. and W. Descend N. slope, 150 ft.
38.15	Ravine, 5 lks. wide, course N. 80° E. Ascend S. slope 37 ft.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, to bedrock, with a stone marked "X" at base of post, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor. with brass cap marked $\begin{array}{r} \frac{1}{4} \\ S23 S24 \\ 1933 \end{array}$ from which A pine, 10 ins. diam. bears N. 40 $\frac{1}{2}$ ° E. 107 lks. dist., marked $\frac{1}{4}$ S24 BT. A pine, 15 ins. diam., bears N. 89 $\frac{1}{2}$ ° W. 259 lks. dist., marked $\frac{1}{4}$ S23 BT.
40.50	Top of spur, slopes N. 65° E. Descend NW. slope, 50 ft.
44.00	Ravine, 10 lks. wide, course E. Ascend S. slope 50 ft.
49.00	Spur, slopes SE. Continue ascent along E. slope over a series of spur and ravines.
66.00	Ridge, bears S. 70° E. and N. 70° W. Descend NE. slope 50 ft.
74.80	Ridge, bears N. 20° E. and S. 20° W. Descend NW. slope 50 ft.
80.00	Set an iron post, 3 ft. long., 2 ins. diam., on bedrock, with a cross, "X", marked at base of post, and in a mound of stone to top, for cor. of secs. 13, 14, 23, and 24, with brass cap marked $\begin{array}{r} T\ 4\ S\ R\ 18\ E \\ S14 S13 \\ S23 S24 \\ 1933 \end{array}$ from which A pinyon, 10 ins. diam., bears N. 46 $\frac{1}{2}$ ° E. 107 lks. dist., marked T4S R18 E S13 BT. A pinyon, 14 ins. diam., bears S. 36 $\frac{1}{2}$ ° E. 178 lks. dist., marked T4S R18 E S24 BT. A pinyon, 10 ins. diam., bears S. 26 $\frac{1}{4}$ ° W. 111 lks. dist., marked T4S R18 E S23 BT.

Subdivision of T. 4 S., R. 18 E.

Chains

A pinyon, 12 ins. diam., bears N. $32\frac{1}{4}^{\circ}$ W. 204 lks. dist., marked T4S R18E S14 BT.

Land, mountainous, ravines and ridges.

Soil, rocky and shaly, very thin.

Timber, scattered pinyons and junipers; undergrowth, oak, laurel and manzanita brush.

N. $89^{\circ} 42'$ E. on a random line bet. secs. 13 and 24.

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

80.12 Intersect the E. boundary of tp. 2 lks. S. of the cor. of secs. 13, 18, 19, and 24, which is an iron post, 2 ins. diam., 8 ins. above ground, with brass cap, marked and witnessed as described in the official record.

Thence

S. $89^{\circ} 41'$ W. on a true line bet. secs. 13 and 24.

Descend SW. slope, 62 ft. along N. side of a small drain.

12.55 Change to W. slope. Descend 50 ft.

14.00 Ravine, course NW. Descend NW. slope 40 ft.

22.50 Drain, course NW. Descend NW. slope 120 ft.

30.00 Slope changes to W. Descend 220 ft.

39.00 Ravine, 50 lks. wide, course SW. Ascend SE. slope

40.06 Set an iron post; 3 ft. long, 1 in. diam., 6 ins. in the ground, to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

S13

$\frac{1}{4}$ —

S24

1933

from which

A juniper, 18 ins. diam., bears N. $83\frac{1}{4}^{\circ}$ E., 137 lks. dist., marked $\frac{1}{4}$ S13 BT.

A juniper, 20 ins. diam., bears S. $35\frac{1}{2}^{\circ}$ E., 68 lks. dist., marked $\frac{1}{4}$ S24 BT.

Ascend SE. slope 62 ft.

44.50 Slope changes to W. Descend 184 ft.

52.90 Bottom of Hawk Canyon. Over nearly level land.

54.20 Road, bears N. 5° E. and S. 5° W.

54.50 Hawk Creek, course N.

57.60 Ascend steep E. slope, 220 ft.

77.40 Ridge, bears N. 20° E. and S. 20° W. Descend NW slope 40 ft.

80.12 The cor. of secs. 13, 14, 23, and 24.

Land, mountainous, spurs and ravines.

Soil, gravelly, thin.

Timber, scrub pinyon and cedar; undergrowth, oak brush, catclaw, mesquite and desert cactus.

Subdivision of T. 4 S., R. 18 E.

Chains	N. 0° 01' W. bet. secs. 13 and 14.
	Descend broken NW. slope 150 ft., through short pines and oak brush.
11.20	Ravine, 10 lks. wide, course N. 15° E. Over broken E. slope, descend 100 ft.
20.10	Ravine, 10 lks. wide, course NE. Ascend 50 ft. over rolling SE. slope.
29.45	Ravine, 5 lks. wide, course, SE.
31.00	Spur, slopes SE. Descend 60 ft.
33.70	Ravine, 10 lks. wide, course NE., at base of rocky falls 12 ft high. Ascend 117 ft. over SE. slope.
39.65	Spur, bears S. 75° E. Descend E. slope.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 22 ins in the ground, to bedrock, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$ S14 S13 1933
	A pinyon, 8 ins. diam., bears N. 38 $\frac{1}{2}$ ° E. 43 lks. dist., marked $\frac{1}{4}$ S13 BT. from which
	A pinyon, 10 ins. diam., bears N. 39 $\frac{1}{2}$ ° W. 158 lks. dist., marked $\frac{1}{4}$ S14 BT.
	Thence over broken E. slope, descend 95 ft.
47.60	Ravine, 15 lks. wide, course S. 80° E. Ascend S. slope 200 ft.
55.90	Sharp rocky ridge, bears N. 55° W. and S. 55° E. Descend rocky NE. slope 350 ft.
71.00	Enter bottom of Hawk Creek Canyon, course N. 60° W. Across flat bottom, through mesquite and willow brush.
76.00	Hawk Creek at N. side of canyon, course N. 60° W. Ascend rocky SW. slope.
78.70	Sharp rocky spur, slopes NW. Descend NE slope 61 ft.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 25 ins. in the ground, for cor. of secs. 11, 12, 13, and 14, with brass cap marked
	T 4 S R 18 E S11 S12 S14 S13 1933
	A limb of a juniper, 12 ins. diam., bears N. 60 $\frac{3}{4}$ ° E., 390 lks. dist. marked T4S R18E S12 BT. from which
	A juniper, 19 ins. diam., bears S. 77 $\frac{1}{2}$ ° E., 249 lks. dist., marked T4S R18E S13 BT.
	A juniper, 5 ins. diam., bears N. 59 $\frac{1}{4}$ ° W., 190 lks. dist., marked T4S R18E S11 BT.
	Raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
	Land, mountainous, ravines and ridges.
	Soil, rocky and gravelly, very thin.
	Timber, scattered pinyons and junipers; undergrowth, Oak brush and some mesquite.

Subdivision of T. 4 S., R. 18 E.

Chains	N. 89° 41' E. on a random line bet. secs. 12 and 13.
40.00	Set. temp. $\frac{1}{4}$ sec. cor.
80.20	Intersect the E. boundary of the tp. at the cor. of secs. 7, 12, 13, and 18, which is an iron post, 2 ins. diam., 10 ins. above ground, with brass cap, marked and witnessed as described in the official record.
	Thence
	S. 89° 41' W. on a true line bet. secs. 12 and 13.
	Along rocky S. slope at head of ravine, course SW.
4.40	Descend steep SW. slope 250 ft.
26.40	Ravine, 10 lks. wide, course N. 40° W. Ascend E. slope 130 ft.
35.70	Ridge, Bears N. 5° W. and S. 5° E. Descend W. slope 90 ft.
40.10	Set an iron post, 3 ft. long., 1 in. diam., 18 ins. in the ground, to bedrock, with a stone marked "X" at base of post, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	S12 $\frac{1}{4}$ S13 1933
	Descend steep W. slope, 500 ft.
63.10	Ravine, 10 lks. wide, course N. 85° W. Along S. side of ravine over N. slope.
80.20	The cor. of secs. 11, 12, 13, and 14.
	Land, mountainous, ridges and ravines. Soil, rocky and gravelly, very thin. Timber, scattered junipers and palo verde; undergrowth, oak brush and ocotillo.
	N. 0° 01' W. bet. secs. 11 and 12.
	Descend 12 ft. over N. slope.
1.25	Ravine, 10 lks. wide, course westerly. Over W. end of short spur.
15.10	Ravine, 10 lks. wide, course W. Over W. end of short spur.
28.10	Ravine, 10 lks. wide, course W. Ascend 60 ft. over S. slope.
33.20	Spur, slopes S. 40° W. Descend W. slope, 20 ft.
36.60	Ravine, 10 lks. wide, course S. 25° W. Ascend S. slope 60 ft.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground, to bedrock, with a stone marked "X" at base of post, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$ S11 S12 1933
	Ascend S. slope, 200 ft.

Subdivision of T. 4 S., R. 18 E.

Chains	
52.50	Ridge, bears N. 70° W. and S. 70° E. Descend NE. slope 300 ft.
63.20	Ravine, 10 lks. wide, course N. 70° W. Ascend SW. slope 90 ft.
71.80	Ridge, bears NW. and SE. Descend steep, rocky NE. slope 160 ft.
79.70	Ravine, 10 lks. wide, course N. 55° W. Ascend 10 ft.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 1, 2, 11, and 12, with brass cap marked
	T 4 S R 18 E S 2 S 1 S11 S12 1933
	A pinyon, 12 ins. diam., bears N. 76° from which dist., marked T4S R18E S1 BT. E. 191 lks. A pinyon, 18 ins. diam., bears S. 38½° E. 224 lks. dist., marked T4S R18E S12 BT. A pinyon, 10 ins. diam., bears S. 15½° W. 55 lks. dist., marked T4S R18E S11 BT. A juniper, 5 ins diam., bears N. 75° W. 112 lks. dist., marked T4S R18E S2 BT.
	Land, mountainous, ridges and ravines. Soil, rocky and gravelly, very thin. Timber, pinyons and junipers in spots; undergrowth, oak brush, sotos, mescal, catclaw.
	N. 89° 41' E. on a random line bet. secs. 1 and 12.
40.00	Set temp. ¼ sec. cor.
80.22	Intersect the E. boundary of the tp. at the cor. of secs. 1, 6, 7, and 12, which is an iron post, 2 ins. diam., 10 ins. above ground, with brass cap, marked and witnessed as described in the official record.
	Thence
	S. 89° 41' W. on a true line bet. secs. 1 and 12.
	Descend broken, rocky SW. slope, 300 ft.
11.80	Ravine, 20 lks. wide, course N. 80° W. Along N. slope of spur, ascending.
33.40	Spur, slopes NW. Descend broken, rocky SW. slope 70 ft.
40.11	Set an iron post, 3 ft. long, 1 in. diam., 29 ins. in the ground, for ¼ sec. cor., with brass cap marked
	S 1 ¼ ——— S12 1933
	of stone, 2½ ft. base, 2 ft. high, N. of cor. raise a mound
	Descend 185 ft. over broken SW. slope.
56.10	Ravine, 30 lks. wide, course, N. 25° W. Ascend E. slope 95 ft.
62.50	Ridge, bears N. and S. Descend 215 ft. over broken SW. slope.

Subdivision of T. 4 S., R. 18 E.

4024

Chains

80.22 The cor. of secs. 1, 2, 11, and 12.
 Land, mountainous, ridges and ravines.
 Soil, rocky and gravelly, very thin.
 Timber, practically none; undergrowth, oak and laurel
 brush, palo verdes, sotes and meseals.

N. 0° 01' W. bet. secs. 1 and 2.

Ascend W. slope, 10 ft.

11.40 Spur slopes W. Descend 65 ft.

17.70 Drain, 10 lks. wide, course W. Ascend SW. slope 95 ft.

24.00 Drain, 7 lks. wide, course SW.

32.35 Spur, slopes N. 25° W. Descend NE. slope 20 ft.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in
the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$$\begin{array}{c} \frac{1}{4} \\ S2 | S1 \end{array}$$

1933

raise a mound

of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Descend NE. slope 30 ft.

47.50 Drain, 5 lks wide, course NE. Descend general NE.
slope, 130 ft. over spurs and gulches.

70.80 Slope changes to N.

78.21 As the true point for cor. of secs. 1, 2, 35, and 36
falls in the bottom of a gulch, at this point I

Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in
the ground, to bedrock, and in a mound of stone to top,
for witness corner of secs. 1, 2, 35, and 36, with
brass cap marked

T3S R18E

WC

S35 | S36

S 2 | S 1

T4S

1933

from which

A cedar, 6 ins. diam., bears S. $69\frac{1}{2}^\circ$ E. 154 lks.
dist., marked WC T4S R18 E S1 BT.

A cedar, 12 ins. diam., bears S. 80° W. 186 lks.
dist., marked WC T4S R18E S2 BT.

78.71 True point for cor. of secs. 1, 2, 35, and 36.

Land, mountainous, ridges and ravines.
Soil, rocky and gravelly, very thin.
Timber, a few scrub cedars; undergrowth, oakbrush.

Subdivision of T. 4 S., R. 18 E.

Chains	<p>From the corner of secs. 2, 3, 34, and 35, on the S. boundary of the township, which is an iron post, 2 ins. diam., 20 ins. above ground, in a mound of stone, with brass cap, marked and witnessed as described in the official record.</p> <p>N. 0° 01' W. bet. secs. 34 and 35.</p> <p>Ascend over gradual S. slope, through dense growths of pinyons, junipers, oak brush, and various other desert growths.</p> <p>14.00 Leave dense timber and ascend steep SW. slope 90 ft., through scattered growths.</p> <p>27.80 Small swale, drains W. Over W. slope of small knoll.</p> <p>40.00 Set an iron post, 3 ft. long, 1 in. diam., 22 ins. in the ground, to bedrock, in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <p style="text-align: center;">$\frac{1}{4}$ S34 S35 1933</p> <p>A pinyon, 6 ins. diam., bears N. 16$\frac{1}{2}$° W., 106 lks. dist., marked $\frac{1}{4}$S34 BT.</p> <p>A limb of a juniper, 6 ins. diam., bears N. 68° E., 12 lks. dist., marked $\frac{1}{4}$S35 BT.</p> <p>This corner is on the NW slope of small knoll.</p> <p>43.30 Small drain, course SW. Ascend gradually over broken SW. slope, 48 ft.</p> <p>52.00 Begin 20° ascent over SW. slope, 530 ft.</p> <p>80.00 Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in the ground, to bedrock, in a mound of stone to top, for cor. of secs. 26, 27, 34, and 35, with brass cap marked</p> <p style="text-align: center;">T 4 S R 18 E S27 S26 S34 S35 1933</p> <p>from which</p> <p>A limb of a juniper, 8 ins. diam., bears N. 31$\frac{1}{4}$° W., 100 lks. dist., marked T4S R18E S27 BT.</p> <p>A juniper, 14 ins. diam., bears N. 83$\frac{1}{2}$° E., 93 lks. dist., marked T4S R18E S26 BT.</p> <p>Land, mountainous. Soil, gravelly, thin. Timber, pinyon and cedar; undergrowth, oak, laurel, manzanita and desert cactus.</p> <hr/> <p>N. 89° 48' E. on a random line bet. secs. 26 and 35.</p> <p>40.00 Set temp $\frac{1}{4}$ sec. cor.</p> <p>79.86 Intersect N. and S. line 25 lks. N. of cor. of secs. 25, 26, 35, and 36.</p> <p>Thence</p> <p>S. 89° 59' W. on true line bet secs. 26 and 35.</p> <p>Descend 275 ft. over NW. slope.</p> <p>12.40 Ravine, 5 lks. wide, course N. 20° W. Ascend NE. slope 25 ft.</p> <p>19.50 Spur, slopes N. 20° W. Descend NW. slope 400 ft.</p>
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Subdivision of T. 4 S., R. 18 E.

1933 4024

Chains	
33.60	Rawhide Canyon, 30 lks wide, course N. Ascend gradually.
38.65	Short drain, 30 lks. wide, course S. 50° E.
39.93	Set an iron post, 3 ft. long, lin. diam., 12 ins. in the ground, to bedrock, in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	S26 $\frac{1}{4}$ ——— S35 1933
	A pinyon, 12 ins. diam., bears S. 40 $\frac{1}{2}$ ° E., 72 lks. dist., marked $\frac{1}{4}$ S35 BT. from which
	A pinyon, 10 ins. diam., bears N. 75 $\frac{1}{2}$ ° W., 191 lks. dist., marked $\frac{1}{4}$ S26 BT
	Ascend SE. slope, 100 ft.
48.00	Spur, slopes N. 65° E. Over NE. slope, ascend
77.00	Ridge, bears N. 36° W. and S. 36° E. Descend SW. slope 35 ft.
79.86	The cor. of secs. 26, 27, 34, and 35.
	Land, mountainous and canyons. Soil, gravelly, thin. Timber, cedar and pinyon; undergrowth; oak, laurel, manzanita and desert cactus.
	N. 0° 01' W. bet secs. 26 and 27.
	Ascend SW. slope 55 ft., through scattered undergrowth.
3.55	Limestone ridge, bears N. 36° W. and S. 36° E. Descend NE. slope 260 ft.
27.00	Drain, 3 lks. wide, course N. 85° E. Along general E. slope, continue descent 100 ft.
29.80	Spur, slopes N. 85° E.
33.90	Ravine, 10 lks. wide, course N. 85° E.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to bedrock, in a mound of stone to top, for $\frac{1}{4}$ sec. cor. with brass cap marked
	$\frac{1}{4}$ S27 S26 1933
	A juniper, 25 ins. diam., bears S. 75° W. 24 lks. dist., marked $\frac{1}{4}$ S27 BT. from which
	A pinyon, 8 ins. diam., bears N. 4 $\frac{1}{2}$ ° E. 105 lks. dist., marked $\frac{1}{4}$ S26 BT.
	Continue descending over general E. slope, 185 ft.
58.20	Ravine, 5 lks. wide, course N. 80° E. Ascend SE. slope 80 ft.
62.75	Spur, slopes N. 75° E. Over gradual N. slope.
79.90	Ravine, 35 lks. wide, course N. 10° E.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 15 ins. in the ground to bedrock, in a mound of stone to top, and with a stone marked "X" at base of post,

Subdivision of T. 4 S., R. 18 E.

Chains	<p>for cor. of secs. 22, 23, 26, and 27, with brass cap marked</p> <p style="text-align: center;">T 4 S R 18 E $\frac{S22}{S27} \frac{S23}{S26}$ 1933</p> <p>No BTs. Land, mountainous. Soil, none. Timber, pinyon and cedar; undergroeth, oak, laurel and manzanita brush, catclaw, mesquite, and desert cactus.</p>
	<p>N. 89° 59' E. on a random line bet. secs. 23 and 26.</p>
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.92	Intersect N. and S. line 21 lks. S. of cor. of secs. 23, 24, 25, and 26.
	Thence
	S. 89° 50' W. on true line bet. secs. 23 and 26. Over E. slope, ascend 14 ft.
1.30	Top of ridge, bears N. 10° E. and S. 10° W. Descend NW. slope 103 ft.
8.21	Ravine, 10 lks. wide, course N. 10° E. Ascend NE. slope 33 ft.
11.70	Spur, slopes N. Descend W. slope. 44 ft.
16.00	Ravine, 40 lks wide, course N. 5° E. Ascend E. slope 365 ft.
30.90	Top of rocky bluff, bears N. and S. Over rolling SW. slope, descend 62 ft.
37.64	Ravine, 10 lks wide, course S. 10° E. Over SE. slope.
39.96	Set an iron post, 3 ft. long, 1 in. diam., on solid surface of rock, in a mound of stone to top, for $\frac{1}{4}$ sec. cor. with brass cap marked
	$\frac{1}{4}$ $\frac{S23}{S26}$ 1933
	A pinyon, 6 ins. diam., bears S. 66 $\frac{1}{4}$ ° W. 141 lks. dist., marked $\frac{1}{4}$ S26 BT. from which
	A pinyon, 6 ins. diam., bears N. 11 $\frac{1}{4}$ ° W. 119 lks. dist., marked $\frac{1}{4}$ S23 BT.
41.00	Drain, course S. 10° E. Ascend gradual E. slope, 25 ft.
67.00	Ridge, N. 10° E. and S. 10° W. Descend W. slope, 25 ft.
68.75	Head of ravine, course N. Ascend E. slope, 50 ft.
74.00	Ridge, bears N. 10° E. and S. 10° W. descend W. slope. 20 ft.
79.00	Ravine, course N. 20° E. Ascend
79.92	The cor. of secs. 22, 23, 26, and 27.
	<p>Land, mountainous, ravines and ridges. Soil, rocky, very thin. Timber, scattered pinyons and junipers; undergrowth, oak brush, scattering sotos.</p>

Subdivision of T. 4 S., R. 18 E.

BOOK 601A

Chains	N. 0° 01' W. bet. secs. 22 and 23.
	Descend NE. slope, 80 ft., through oak and laurel brush and scattered pinyons and junipers.
10.45	Ravine, 7 lks. wide, course E. Descend 115 ft. over a series of ravines and spurs sloping easterly.
35.00	Ascend SW. slope 35 ft.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$ S22 S23 1933
	A pinyon, 8 ins. diam., bears N. 87 $\frac{1}{2}$ ° E. 49 lks. dist., marked $\frac{1}{4}$ S23 BT. from which cap
	A pinyon, 12 ins. diam., bears S. 60° W. 78 lks. dist., marked $\frac{1}{4}$ S22 BT.
43.10	Cross low saddle on ridge, bears N. 30° W. and S. 30° E. Descend rocky NE. slope 200 ft. through scattered timber and brush.
72.10	Goat corral 120 lks. E.
74.60	Enter ravine, course N. from SE. Along W. side of ravine.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 25 ins. in the ground, for cor. of secs. 14, 15, 22, and 23, with brass cap marked
	T 4 S R 18 E S15 S14 S22 S23 1933
	A pinyon, 12 ins. diam., bears N. 16° E. 270 lks. dist., marked T4S R18E S14 BT. from which
	A pinyon, 14 ins. diam., bears S. 44 $\frac{3}{4}$ ° E. 274 lks. dist., marked T4S R18E S23 BT.
	A cedar, 8 ins. diam., bears S. 25 $\frac{1}{2}$ ° W. 113 lks. dist., marked T4S R18E S22 BT.
	A pinyon, 10 ins. diam., bears N. 44° W. 128 lks. dist., marked T4S R18E.S15 BT.
	Land, mountainous, ravines and ridges. Soil, rocky, very thin. Timber, scattered pinyons and junipers; undergrowth, oak brush, sotos and mescals.
	N. 89° 50' E. on a random line bet. secs. 14 and 23.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.84	Inter sect N. and S. line 5 lks. S. of the cor. of secs. 13, 14, 23, and 24.
	Thence
	S. 89° 48' W. on true line bet. secs. 14 and 23.
	Descend NW. slope 45 ft.
4.20	Ravine, 10 lks wide, course N. 10 E.
14.00	Ravine, 10 lks. wide, course N.
15.70	Ravine, 15 lks. wide, course N. 70° E. Ascend NE. slope

Subdivision of T. 4 S., R. 18 E.

Chains	350 ft.
30.50	Rocky ledge, bears N. and S. Descend NW. slope 85 ft.
35.00	Head of ravine, course N. Ascend 20 ft.
39.92	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor. with brass cap marked
	S 14
	$\frac{1}{4}$ ———
	S 23
	1933
	from which
	A juniper, 16 ins. diam., bears S. $8\frac{1}{2}^{\circ}$ W. 132 lks. dist. marked $\frac{1}{4}$ S23 BT.
	A pinyon, 8 ins. diam., bears N. $41\frac{1}{2}^{\circ}$ E. 268 lks. dist. marked $\frac{1}{4}$ S14 BT.
41.50	Ridge, bears N. 20° E. and S. 20° W. Descend
49.00	Ravine, 5 lks. wide, course SW. Descend 100 ft. over S. slope.
77.90	Ravine, 40 lks. wide, course N. 50° W. from S.
79.84	The cor. of secs. 14, 15, 22, and 23.
	Land, mountainous, ravines and ridges. Soil, rocky, very thin. Timber, scattered pinyons and junipers; undergrowth, oak and laurel brush and soto.
	N. $0^{\circ} 01'$ W. bet. secs. 14 and 15.
	Descend N. slope 24 ft.
1.46	Ravine, 40 lks. wide, course W. from S. 50° E. Over end of spur, slopes SW.
6.75	Gulch, course SW. Ascend SE. slope 100 ft.
16.10	Spur, slopes SW. Continue ascent along W. slope.
40.00	Set an iron post, 3 ft. long., 1 in. diam., 15 ins. in the ground, to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$
	S15 S14
	1933
	from which
	A cedar, 9 ins. diam., bears S. $40\frac{1}{2}^{\circ}$ E. 70 lks. dist., marked $\frac{1}{4}$ S14 BT.
	A cedar, 12 ins. diam., bears S. $39\frac{1}{2}^{\circ}$ W. 163 lks. dist., marked $\frac{1}{4}$ S15 BT.
	Corner stands on a spur, slopes N. 30° W. Descend NE. slope, 145 ft.
52.75	Ravine, 7 lks. wide, course N. 35° W. Ascend SW. slope 30 ft.
57.00	Spur, slopes N. 35° W. Descend NE. slope 170 ft.
63.50	Canyon, 35 lks. wide, course N. 40° W. Ascend SW. slope 100 ft.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the ground to bedrock, with a stone marked "X" at base of post, and in a mound of stone to top, for cor. of secs. 10, 11, 14, and 15, with brass cap marked

Subdivision of T. 4 S., R. 18 E.

BOOK 4024

Chains

T 4 S R 18 E
 S10 | S11
 S15 | S14
 1933

Land mountainous, ravines and spurs.

Soil, Gravelly, very thin.

Timber, scrub cedars and pinyons, scattered; undergrowth, oak brush and desert cactus.

N. 89° 48' E. on a random line bet. secs. 11 and 14.

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

79.94 Intersect N. and S. line 12 lks. S. of the cor. of secs. 11, 12, 13, and 14.

Thence

S. 89° 43' W. on true line bet. secs. 11 and 14.

Over end of spur, slopes NW.

1.90 Hawk Canyon, course N. Over nearly level land.

3.70 Hawk Creek, 50 lks. wide, course N.

5.50 Ascend E. slope, 160 ft.

12.20 Short spur, slopes N. 20° W. Over N. slope.

20.30 Descend NW. slope, 75 ft.

24.80 Ravine, 40 lks. wide, course N. 15° E. Ascend NE. slope 250 ft.

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

S 11

$\frac{1}{4}$

S 14

from which

A cedar, 12 ins. diam., bears S. 21° W. 122 lks. dist., marked $\frac{1}{4}$ S14 BT.

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

Ascend 150 ft. over NE. slope.

53.00 Ridge, bears N. 30° W. and S. 30° E. Descend SW. slope 80 ft.

60.15 Head of ravine, course N. 55° W. Ascend NE and N. slope 60 ft.

70.50 Spur, slopes NW. Descend 130 ft.

79.94 The cor. of secs. 10, 11, 14, and 15.

Land, mountainous, spurs and ravines.

Soil, rocky and gravelly, about 2 ft. deep.

Timber, scattered pinyons and cedars, undergrowth, oak brush, mesquite, catclaw and desert cactus.

N. 0° 01' W. bet. secs. 10 and 11.

Descend 100 ft. over NW. slope of spur.

5.14 Ravine, 15 lks. wide, course W. Ascend 100 ft. over S. slope.

Subdivision of T. 4 S., R. 18 E.

Chains	
17.50	Top of sharp spur, slopes N. 30° W. Descend along NE. slope.
39.50	Gulch, 15 lks. wide, course N. 15° E.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, at base of E. edge of large granite boulder. for $\frac{1}{4}$ sec. cor. with brass cap marked
	$\frac{1}{4}$ S10 S11 1933
	A pinyon, 15 ins. diam., bears S. 7° W. 225 lks. . dist., marked $\frac{1}{4}$ S10 BT.
	A pinyon, 10 ins. diam., bears N. 43° E. 290 lks. . dist., marked $\frac{1}{4}$ S11 BT.
48.40	Hawk Canyon, course W. Over nearly level land.
53.00	Hawk Creek, 85 lks. wide, course W.
57.10	Ascend broken S. slope, 300 ft.
76.60	Spur, slopes S. 40° E. Over E. slope.
79.20	Drain, course S. 75° E.
80.00	Set an iron post, 3 ft. long., 2 ins. diam., 14 ins. in the ground to bedrock, in a mound of stone to top, for cor. of secs. 2, 3, 10, and 11, with brass cap marked
	T 4 S R 18 E S 3 S 2 S10 S11 1933
	A cedar, 8 ins. diam., bears S. 0 $\frac{1}{2}$ ° E. 94 lks. dist., marked T4S R18E S11 BT.
	A cedar, 9 ins. diam., bears S. 57 $\frac{1}{2}$ ° W. 79 lks. dist., marked T4S R18E S10 BT.
	Land, mountainous, spurs and ravines. Soil, gravelly and rocky, about 2 ft. deep. Timber, scattered groups of pinyons and cedars; undergrowth, oak brush, mesquite, catclaw and desert cactus.
	N. 89° 43' E. on a random line bet. secs. 2 and 11.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.90	Intersect N. and S. line 9 lks. S. of the cor. of secs. 1, 2, 11, and 12, Thence
	S. 89° 39' W. on true line bet. secs. 2 and 11.
0.72	Gulch, 15 lks. wide, course N. 40° W. Ascend NE. slope 136 ft.
6.55	Short ridge, bears N. 20° W. and S. 45° E. Descend
17.75	Head of ravine, course N. 55° W. Ascend
21.90	Short spur, slopes N. 55° W. Descend
25.60	Small ravine, course N., 65° W. Ascend broken NE slope.
28.00	Top of W. bank of ravine. Continue ascending.
29.36	A good spring bears N., 25.10 chs. dist.
39.95	Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in

Subdivision of T. 4 S., R. 18 E.

BOOK 4024

Chains	the ground to bedrock, with a stone marked "X" at base of post, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor. with brass cap marked
	$\begin{array}{r} S\ 2 \\ \frac{1}{4} \\ \hline S11 \\ 1933 \end{array}$
43.00	Drain, course N.
54.40	Sharp ridge of granite boulders, bears N. 25° W. and S. 25° E. Descend abrupt SW. slope, 280 ft.
66.30	Ravine, 20 lks. wide, course S. Ascend E. and SE. slope 60 ft.
75.70	Ravine, 12 lks wide, course S. 10° E.
79.90	The cor of secs. 2, 3, 10, and 11.
	Land, mountainous, ridges and ravines. Soil, rocky and gravelly, about 2 ft. deep. No timber; undergrowth, oak brush and laurel.
	N. 0° 01' W. on a random line bet. secs. 2 and 3.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.13	Intersect N. boundary of the tp. 17 lks. E. of the cor. of secs. 2, 3, 34, and 35.
	Thence
	S. 0° 08' E. on true line bet. secs. 2 and 3.
	Descend gradually along top, of spur.
5.60	Spur slopes S. 25° E. Descend SW. slope 30 ft.
12.00	Drain, 15 lks. wide, course N. 30° W. Ascend NE. slope 375 ft.
39.13	Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to bedrock, in amount of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\begin{array}{r} \frac{1}{4} \\ S\ 31\ S\ 2 \\ 1933 \end{array}$
	A cedar, 5 ins. diam., bears S. 20 $\frac{1}{2}$ ° W. 39 lks. dist., marked BT. from which
	A cedar, 4 ins. diam., bears N. 35 $\frac{3}{4}$ ° E., 209 lks. dist., marked BT.
	Ascend NE. slope 80 ft.
42.00	Top of flat spur, slopes s. 55° E.
46.00	Descend S. slope 370ft.
59.70	Ravine, 15 lks. wide, course E. Ascend N. slope 130 ft.
73.00	Spur, slopes N. 65° E. Descend SE. slope 80 ft.
79.13	The cor. of secs. 2, 3, 10, and 11.
	Land, mountainous, Soil, rocky and gravelly. Timber, scrub cedar; undergrowth, oak brush.

Subdivision of T. 4 S., R. 18 E.

Chains	<p>From the cor. of secs. 3, 4, 33, and 34, on the S. boundary of the tp., which is an iron post, 2 ins. diam. 18 ins. above ground, in a mound of stone, with brass cap, marked and witnessed as described in the official record.</p> <p>N. 0° 02' W. bet. secs. 33 and 34.</p> <p>Over end of low spur, slopes N. 75° W.</p> <p>6.30 Bend in ravine, course S. 40° W. Up ravine.</p> <p>8.30 Leave ravine, course S. 10° W.</p> <p>20.00 Drain, 3 lks. wide, course S. 10° W. Ascend S. slope 90 ft.</p> <p>28.60 Top of hill, bears N. 58° E. and S. 58° W. Descend N. slope 150 ft.</p> <p>38.20 Ravine, 5 lks. wide, course N. 80° W. Over W. slope of low spur.</p> <p>40.00 Set an iron post, 3 ft. long, 1 in. diam., 22 ins. in the ground to bedrock, for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <div style="text-align: center;"> $\frac{1}{4}$ S33 S34 1933 </div> <p>A pinyon, 12 ins. diam., bears N. 44° W. 3 lks. dist., marked $\frac{1}{4}$S33 BT.</p> <p>A pinyon, 16 ins. diam., bears S. 37° E. 45 lks. dist., marked $\frac{1}{4}$S34 BT.</p> <p>44.00 Ravine, 40 lks. wide, Course S. 55° W. Over E. end of low spur.</p> <p>52.00 Ravine, 35 lks. wide, course S. 12° E. Over W. end of low spur.</p> <p>55.00 Ravine, 35 lks. wide, course S. 40° W. Ascend S slope</p> <p>62.00 Spur, slopes E. Descend</p> <p>65.00 Junction of two ravines, 5 lks. wide, course N. 45° E. and N. 85° E., thence E. Ascend gradually over broken bottom land.</p> <p>80.00 Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground to bedrock, in a mound of stone to top, for cor. of secs. 27, 28, 33, and 34, with brass cap marked</p> <div style="text-align: center;"> T 4 S R 18 E S28 S27 S33 S34 1933 </div> <p>A pinyon, 8 ins. diam., bears N. 64° E. 85 lks. dist., marked T4S R18E S27 BT.</p> <p>A pinyon, 12 ins. diam., bears S. 59° E. 101 lks. dist., marked T4S R18E S34 BT.</p> <p>A pinyon, 7 ins. diam., bears S. 58 3/4° W. 79 lks. dist., marked T4S R18E S33 BT.</p> <p>A pinyon, 14 ins diam., bears N. 50° W. 89 lks. dist., marked T4S R18E S28 BT.</p> <p>Land, mountainous, spurs and ravines. Soil, rocky, very thin. Timber, scattering pinyons and junipers; undergrowth, oak brush, mesquite, catclaw and cactus.</p>
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Subdivision of T. 4 S., R. 18 E.

BOOK 4024

- Chains N. 89° 48' E. on a random line bet. secs. 27 and 34.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.98 Intersect N. and S. line 5 lks. S. of the cor. of secs. 26, 27, 34, and 35.
- Thence
- S. 89° 46' W. on true line bet. secs. 27 and 34.
- Descend 640 ft. over SW. slope, through scattered junipers, catclaw, sotos, prickly pears and mescal cactus.
- 39.99 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
- S 27
 $\frac{1}{4}$ —————
S 34
1933
- A juniper, 12 ins. diam., bears N. 85 $\frac{1}{4}$ ° E. 204 lks. dist., marked $\frac{1}{4}$ S27 BT. from which
- A pinyon, 6 ins. diam., bears S. 24 $\frac{1}{4}$ ° E. 275 lks. dist., marked $\frac{1}{4}$ S34 BT.
- 47.00 Drain, 10 lks. wide, course N. 65° W. Thence over rolling flat.
- 56.28 Gulch, 35 lks. wide, course SW. Along S. side of low knoll.
- 73.00 Ravine, 10 lks. wide, course S. 55° W. Ascend NE. slope.
- 75.60 Drain, course N. 75° E.
- 79.98 The cor. of secs. 27, 28, 33, and 34.
- Land, mountainous.
Soil, rocky and gravelly, very thin.
Timber, scattering junipers and pinyons; undergrowth, Catclaw, sotos and cactus.
-
- N. 0° 02' W. bet. secs. 27 and 28.
- Through thickets of juniper, pinyon and underbrush.
Ascend over low knoll.
- 1.20 Top of knoll. Descend.
- 7.00 Bottom of descent. Over broken flats draining westerly.
- 40.00 Set an iron post, 3 ft. long., 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
- $\frac{1}{4}$
S28 | S27
1933
- A pinyon, 10 ins. diam., bears N. 60 $\frac{1}{4}$ ° E. 165 lks. dist., marked $\frac{1}{4}$ S27 BT. from which
- A pinyon, 6 ins. diam., bears N. 19 $\frac{3}{4}$ ° W. 269 lks. dist., marked $\frac{1}{4}$ S28 BT.
- 44.30 Enter gulch, 15 lks. wide, course SW. Up gulch.
- 48.15 Leave gulch, course SW. Leave timber and undergrowth. Ascend SW. slope 280 ft.

Subdivision of T. 4 S., R. 18 E.

Chains

- 61.90 Ravine, 3 lks. wide, course SW.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground to bedrock, in a mound of stone to top, for cor. of secs. 21, 22, 27, and 28, with brass cap marked

T 4 S R 18 E

S21 | S22
S28 | S27

1933

from which

- A juniper, 8 ins. diam., bears N. 21° E. 118 lks. dist., marked T4S R18E S22 BT.
- A limb of a juniper, 10 ins. diam., bears S. 43 3/4° E. 116 lks. dist., marked T4S R18E S27 BT.
- A juniper, 20 ins. diam., bears S. 56 1/2° W. 108 lks. dist., marked T4S R18E S28 BT.
- A pinyon, 10 ins. diam., bears N. 39 1/2° W. 78 lks. dist., marked T4S R18E S21 BT.

Land, broken flats and mountainous.

Soil, rocky and gravelly,

Timber, scattering pinyons and junipers; undergrowth, oak brush and other short desert growths.

N. 89° 46' E. on a random line bet. secs. 22 and 27.

- 40.00 Set temp. 1/4 sec. cor.

- 79.90 Intersect N. and S. line 5 lks. N. of cor. of secs. 22, 23, 26, and 27.

Thence

S. 89° 48' W. on true line bet. secs. 22 and 27.

Ascend general NE. slope 850 ft. to top of ridge, through dense oak brush and other desert growths.

- 13.40 Spur, slopes NE.

- 19.70 Head of ravine, 5 lks wide, course NE.

- 21.50 Spur, slopes NE.

- 23.90 Ravine, 5 lks. wide, course NE.

- 32.90 Spur, slopes NE.

- 39.95 Set an iron post, 3 ft. long, 1 in. diam., 26 ins in the ground, for 1/4 sec. cor. with brass cap marked

S 22

1/4

S 27

1933

raise a mound of

stone, 2 ft. base, 1 1/2 ft. high, N. of cor.

- 45.50 Top of limestone ridge, bears NW. and SE. Descend general SW. slope 160 ft.

- 70.20 Head of gulch, course S. 35° W.

- 79.90 The cor. of secs. 21, 22, 27, and 28.

Land, mountainous, blue limestone ridge.

Soil, practically none.

No timber; undergrowth, oak brush and other desert growths.

Subdivision of T. 4 S., R. 18 E.

BOOK 402A

- Chains N. 0° 02' W. bet. secs. 21 and 22.
- Ascend 385 ft. over SW. slope of ridge, through scrub cedar and pinyon trees and oak and laurel brush.
- 1.30 Head of ravine, 5 lks. wide, course S. 15° W.
- 20.30 Top of limestone ridge, bears N. 60° W and N. 70° E. Descend N. slope 420 ft.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., on solid rock, with a mark "X" at base of post, and in a mound of stone to top, for. $\frac{1}{4}$ sec. cor., with brass cap marked

$$\begin{array}{c} \frac{1}{4} \\ \text{S21} | \text{S22} \\ 1933 \end{array}$$

Descend 275 ft.

- 45.40 Ravine, 8 lks. wide, course N. 45° E. Over end of spur slopes E.
- 50.80 Ravine, 5 lks wide, course S. 80° E. Ascend S. slope 300 ft.
- 64.80 Spur, slopes S. 55° E. Descend NE. slope 210 ft.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground to bedrock, in a mound of stone to top, for cor. of secs. 15, 16, 21, and 22, with brass cap marked

$$\begin{array}{c} \text{T 4 S R 18 E} \\ \text{S16} | \text{S15} \\ \text{S21} | \text{S22} \\ 1933 \end{array}$$

- A pinyon, 10 ins. diam., bears N. 35 $\frac{1}{2}$ ° E., 44 lks. dist., marked T4S R18E S15 BT.
- A pinyon, 9 ins. diam., bears S. 74° E., 55 lks. dist., marked T4S R18E S22 BT.
- A pinyon, 14 ins. diam., bears S. 40 $\frac{1}{2}$ ° W., 21 lks. dist., marked T4S R18E S21 BT.
- A cedar 10 ins. diam., bears N. 70° W., 16 lks. dist., marked T4S R18E S16 BT.

Land, mountainous, very rough.

Soil, none.

Timber, scattered pinyons and cedars; undergrowth, oak, laurel and manzanita brush, mesquite, catclaw and cactus.

- N. 89° 48' E. on a random line bet. secs. 15 and 22.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.90 Intersect N. and S. line 6 lks. S. of the cor. of secs. 14, 15, 22, and 23.
- S. 89° 45' W. on true line bet. secs. 15 and 22.
- Ascend NE. slope 160 ft. through scattered pinyons and junipers, oak and manzanita brush.
- 13.70 Ravine, 25 lks. wide, course N.
- 29.50 Low spur, slopes N. Continue ascent over N. and NE. slopes, 260 ft.
- 32.80 Drain, 6 lks. wide, course N. 55° W

Subdivision of T. 4 S., R. 18 E.

Chains

- 39.95 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. with brass cap marked
- S 15
 $\frac{1}{4}$ ———
S 22
1933
- from which
- A pinyon, 5 ins. diam., bears N. $72\frac{1}{2}^{\circ}$ W.,
3 lks. dist. marked $\frac{1}{4}$ S15 BT.
- A pinyon, 6 ins. diam., bears S. $33\frac{1}{2}^{\circ}$ E.,
60 lks. dist., marked $\frac{1}{4}$ S22 BT.
- The cor. stands on top of a spur slopes N. 15° W.
Descend 100 ft. over W. slope.
- 47.40 Gulch, 15 lks. wide, course NW. Ascend E. slope 100 ft.
- 61.80 Limestone outcrop, bears N. 25° W. and S. 25° E.
- 66.10 Spur, slopes NE. Descend 50 ft.
- 69.00 Ravine, 12 lks wide, course NE. Ascend NE. slope 350 ft.
- 79.90 The cor. of secs. 15, 16, 21, and 22.
- Land, rough mountainous.
Soil, gravelly, very thin.
Timber, scrub cedars and pinyons; undergrowth, oak,
laurel and manzanita brush.
-
- N. $0^{\circ} 02'$ W. bet secs. 15 and 16.
- Descend NE. slope 750 ft. through dense brush of oak
and manzanita.
- 38.56 Ravine, 8 lks. wide, course N. 50° W. Ascend.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to bedrock, in a mound on stone to top, for $\frac{1}{4}$ sec. cor. with brass cap marked
- S 16 | S 15
 $\frac{1}{4}$ ———
1933
- from which
- A pinyon, 5 ins. diam., bears S. $47\frac{1}{2}^{\circ}$ W.,
78 lks. dist., marked $\frac{1}{4}$ S16 BT.
- Ascend SW. slope 370 ft.
- 43.40 Drain, 5 lks. wide, course W.
- 53.70 Head of short drain, course S. 55° W.
- 59.90 Spur, slopes W. Descend N. slope 70 ft.
- 67.50 Ravine, 10 lks. wide, course N. 75° W.
- 68.70 Ravine, 10 lks. wide, course S. 85° W. Ascend general
SW. and W. slope
- 73.00 Spur, slopes W. Descend NW. slope 120 ft.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to bedrock, in a mound of stone to top, for cor. of secs. 9, 10, 15, and 16, with brass cap marked

T 4 S R 18 E

S 9 | S10

S16 | S15

1933

from which

Subdivision of T. 4 S., R. 18 E.

BOOK 4024

Chains	<p>A pinyon, 8 ins. diam., bears S. 84° E., 249 lks. dist., marked T4S R18E S15 BT.</p> <p>A fork of a cedar, 12 ins. diam., bears N. 14° W 112 lks. dist., marked T4S R18E S9 BT.</p> <p>Land, rough mountainous. Soil, gravelly, very thin. Timber, scrub cedars and pinyons; undergrowth, oak, laurel and manzanita brush.</p>
40.00	<p>N. 89° 45' E. on a random line bet. secs, 10 and 15. Set temp. $\frac{1}{4}$ sec. cor.</p>
79.92	<p>Intersect N. and S. line 4 lks. S. of the cor. of secs. 10, 11, 14, and 15.</p> <p>Thence</p> <p>S. 89° 43' W. on true line bet. secs. 10 and 15. Descend 250 ft. over W. slope.</p>
10.95	<p>Ravine of white chalk formation, 15 lks. wide, course S. 15° W. Continue over SW. slope, descend 185 ft.</p>
23.85	<p>Ravine, 15 lks. wide, course S. 15° W.</p>
33.90	<p>Ravine, 30 lks. wide, course N. 20° W. Ascend NE: slope 60 ft.</p>
39.96	<p>Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <p style="text-align: center;">S 10 $\frac{1}{4}$ ——— S 15 1933</p> <p>A cedar, 14 ins. diam., bears N. 43° W., 76 lks. dist., marked $\frac{1}{4}$S10 BT. A pinyon, 9 ins. diam., bears S. 59$\frac{1}{2}$° E., 49 lks dist., marked $\frac{1}{4}$S15 BT.</p> <p>The cor stands on top of a spur , slopes N. Descend NW. slope 140 ft.</p>
49.90	<p>Martin Canyon, 50 lks. wide, course N. 15° E. Ascend NE. slope 190 ft.</p>
65.24	<p>Top of conglomerate bluffs, bears N. 75° W. and S. 75° E. Over flat top.</p>
71.60	<p>Descend W. slope 110 ft.</p>
79.92	<p>The cor. of secs. 9, 10, 15, and 16.</p> <p>Land, mountainous, ravines and spurs. Soil, gravelly, thin. Timber, scattered scrub cedar and pinyon; undergrowth, oak brush and desert cactus.</p>

Subdivision of T/ 4 S., R. 18 E.

Chains	N. 0° 02' W. bet. secs. 9 and 10. Ascend 40 ft. over broken SW. slope.
8.40	Rocky spur, slopes N. 65° W. Descend over N. face of precipice, thence descend N. slope 610 ft.
23.38	Martin Canyon, 50 lks. wide, course S. 85° W. Ascend over S. and SE. slope 200ft.
35.00	Drain, 5 lks. wide, course S. 60° E.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\begin{array}{c} \dagger \\ S\ 9\ S10 \\ 1933 \end{array}$
	raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
44.60	Small saddle, bears N. 40° E. and S. 40° W. Descend 400 ft. over broken NW. slope.
69.40	Enter bottom of Hawk Canyon, course W.
70.00	Hawk Creek, 30 lks. wide, course W.
71.40	Ascend S. slope 150 ft.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to bedrock, in a mound of stone to top, for cor. of secs. 3, 4, 9, and 10, with brass cap marked
	$\begin{array}{c} T\ 4\ S\ R\ 18\ E \\ S\ 4\ S\ 3 \\ S\ 9\ S10 \\ 1933 \end{array}$
	from which
	A cedar, 5 ins. diam., bears N. 66° E., 138 lks. dist., marked T4S R18E S3 BT.
	A cedar, 5 ins. diam., bears S. 42° E., 28 lks. dist., marked T4S R18E S10 BT.
	Land, mountainous, Soil, gravelly, Timber, scrub cedar; undergrowth, oakbrush and laurel.
	N. 89° 43' E. on a random line bet. secs. 3 and 10.
40.00	Set. temp. $\frac{1}{4}$ sec. cor.
79.94	Intersect N. and S. line 2 lks. N. of cor. of secs. 2, 3, 10, and 11.
	Thence
	S. 89° 44' W. on true line bet. secs. 3 and 10.
	Ascend broken SE. slope 150 ft.
2.60	Drain, 15 lks. wide, course S. 65° E.
4.20	Spur, slopes S. 60° E.
8.60	Spur, slopes S. Descend W. slope 520 ft.
26.45	Ravine, 8 lks. course S. 10° W.
28.90	Ravine, 35 lks. wide, course SW. Ascend E. slope 210 ft.
35.15	Spur, slopes S. 12° E. Descend over SW. and S. slope

Subdivision of T. 4 S., R. 18 E.

BOOK 4024

Chains 39.97	Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to bedrock, with a stone marked "X" at base of post, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked $\begin{array}{r} S\ 3 \\ \frac{1}{4} \\ \hline S10 \\ 1933 \end{array}$
55.20	Spur, slopes SW. Descend NW. slope 40 ft.
64.80	Ravine, 40 lks. wide, course S. Ascend E. slope 110 ft.
79.94	The cor. of secs. 3, 4, 9, and 10. Land, mountainous, spurs and ravines. Soil, rocky and gravelly. No timber; undergrowth, scattered oak brush and laurel.
40.00	N. $0^{\circ} 08'$ W. on a random line bet. secs. 3 and 4. Set. temp. $\frac{1}{4}$ sec. cor
79.51	Intersect N. boundary of tp. 4 lks. E. of the cor. of secs. 3, 4, 33, and 34. Thence S. $0^{\circ} 10'$ E. on true line bet. secs. 3 and 4. Ascend bare NE. slope 120 ft.
10.40	Spur slopes S. 30° E. Descend 750 ft. over broken S. and SW. slope.
13.00	strand wire fence, bears N. 72° W. and S. 72° E:
19.55	Head of ravine, 15 lks. wide, course S. 20° W.
39.51	Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to bedrock, with a stone marked "X" at base of post, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked $\begin{array}{r} \frac{1}{4} \\ S4 S3 \\ 1933 \end{array}$
47.60	Spur, slopes S. 40° W. Descend SE. slope 165 ft.
51.90	Edge of sharp SE. slope, descend 220 ft.
56.90	Ravine, 35 lks. wide, course S. 35° W. Ascend W. slope 200 ft.
73.10	Spur, slopes S. 30° W. Descend over SE. slope 145 ft.
79.51	The cor. of secs. 3, 4, 9, and 10. Land, rough mountainous, Soil, rocky and gravelly, thin. No timber nor undergrowth.

Subdivision of T. 4 S., R. 18 E.

Chains	
	From the cor. of secs. 4, 5, 32, and 33, on the S. boundary of the tp., which is an iron post, 2 ins. diam., 28 ins. above ground, in a mound of stone, with brass cap, marked and witnessed as described in the official record.
	N. 0° 02' W. bet. secs. 32 and 33.
	Ascend general S. and SW. slope 750 ft.
15.00	Ravine, 10 lks. wide, course S. 75° W.
22.00	Spur, slopes S. 55° W.
27.20	Ravine, 10 lks. wide, course S. 50° W.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, to bedrock, in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\begin{array}{c} \frac{1}{4} \\ S32 S33 \\ 1933 \end{array}$
	from which
	A pinyon, 12 ins. diam., bears S. 79 $\frac{1}{2}$ ° W., 133 lks. dist., marked $\frac{1}{4}$ S32 BT.
	A pinyon, 7 ins. diam., bears N. 42° E., 204 lks. dist., marked $\frac{1}{4}$ S33 BT.
40.70	Drain, 3 lks. wide, course SW.
46.70	Drain, 5 lks. wide, course S. 55° W.
57.75	Spur, slopes S. 55° W. Descend NW. slope 200 ft.
74.35	Head of ravine, course S. 60° W. Ascend SE, slope, 50 ft.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to bedrock, in a mound of stone to top, for cor. of secs. 28, 29, 32, and 33, with brass cap marked
	$\begin{array}{c} T\ 4S\ R\ 18\ E \\ S29 S28 \\ S32 S33 \\ 1933 \end{array}$
	From which
	A pinyon, 12 ins. diam., bears N. 44 $\frac{1}{2}$ ° E., 19 lks. dist., Marked T4S R18E S28 BT.
	A pinyon, 10 ins. diam., bears S. 71 $\frac{1}{2}$ ° E., 226 lks. dist., marked T4S R18E S33 BT.
	A juniper limb, 4 ins. diam., bears S. 86 $\frac{1}{2}$ ° W., 70 lks. dist., marked T4S R18E S32 BT.
	A pinyon, 7 ins. diam., bears N. 6° W., 148 lks. dist., marked T4S R18E S29 BT.
	Land, mountainous, spurs and ravines. Soil, rocky and gravelly, thin. Timber, scattered pinyons and junipers; undergrowth, oak and laurel brush and cactus.
	N. 89° 48' E. on a random line bet. secs. 28 and 33.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.98	Intersect N. and S. line 9 lks. S. of cor. of secs. 27, 28, 33, and 34.
	Thence
	S. 89° 44' W. on true line bet. secs. 28 and 33.
	Through dense growths of pinyon and juniper timber,

Chains	oak and laurel brush, Ascend gradually over S. slope of low ridge.
15.42	Top of ridge, bears nearly E. and W. /Descend W. slope 80 ft.
21.00	Cross a shallow hollow.
39.99	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\begin{array}{c} S\ 28 \\ \frac{1}{4} S\ 33 \end{array}$
	from which
	A pinyon, 12 ins. diam., bears N. 26° W., 25 lks. dist., marked $\frac{1}{4}$ S28 BT.
	A pinyon, 12 ins. diam., bears S. $73\frac{1}{2}^{\circ}$ W., 104 lks. dist., marked $\frac{1}{4}$ S33 BT.
42.00	Cross sharp sandstone outcrop, bears N. 50° E. and S. 50° W. Descend NW. slope 70 ft.
52.00	Drain, 10 lks. wide, course N. 10° W. Ascend gradually
68.85	Drain, 5 lks. wide, course N. 15° W.
72.40	Drain, 5 lks. wide, course N. 15° E. Ascend E. slope 60 ft.
79.98	The cor. of secs. 28, 29, 32, and 33.
	Land, mountainous. Soil, gravelly, thin. Timber, pinyons and junipers; undergrowth, oak and laurel brush and cactus.
	N. $0^{\circ} 02'$ W. bet. secs. 28 and 29.
	Through dense growths of pinyon and juniper timber, and oak and laurel brush. Over top of low ridge.
1.10	Descend N. slope 200 ft.
9.30	Ravine, 20 lks. wide, course N. 50° W. Over W. end of spur.
23.15	Gulch, general course S. 20° W. Ascend W. bank, thence ascend gradually over broken basin bottom.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\begin{array}{c} \frac{1}{4} \\ S29/S28 \\ 1933 \end{array}$
	from which
	A pinyon, 9 ins. diam., bears S. $81\frac{1}{2}^{\circ}$ W., 18 lks. dist., marked $\frac{1}{4}$ S29 BT.
	A pinyon, 7 ins. diam., bears N. $0\frac{1}{2}^{\circ}$ E., 9 lks. dist., marked $\frac{1}{4}$ S28 BT.
70.60	Small ravine, 3 lks. wide, course S. 75° W.
75.40	Spur, slopes S. 80° W.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 32 ins. in the ground, for cor. of secs. 20, 21, 28, and 29, with brass cap marked

Subdivision of T. 4 S., R. 18 E.

Chains	T 4 S R 18 E S20 S21 S29 S28 1933	from which
	A pinyon, 8 ins. diam., bears N. $39\frac{1}{4}^{\circ}$ E., 91 lks. dist., marked T4S R18E S21 BT.	
	A pinyon, 11 ins. diam., bears S. 35° E., 68 lks. dist., marked T4S R18E S28 BT.	
	A pinyon, 11 ins. diam., bears S. $34\frac{1}{2}^{\circ}$ W., 88 lks. dist., marked T4S R18E S29 BT.	
	A juniper, limb, 10 ins. diam., bears N. 19° W., 16 lks. dist., marked T4S R18E S20BT.	
	Land mountainous. Soil, rocky and gravelly, Timber, pinyon and juniper; undergrowth, oak and laurel brush and cactus.	
	N. $89^{\circ} 44'$ E. on a random line bet. secs. 21 and 28.	
40.00	Set temp. $\frac{1}{4}$ sec. cor.	
79.96	Intersect the cor. of secs. 21, 22, 27, and 28.	
	Thence	
	S. $89^{\circ} 44'$ W. on true line bet. secs. 21 and 28.	
	Descend 230 ft. over SW. slope, through oak and laurel brush.	
0.60	Small ravine, course SW.	
15.80	Ravine, 5 lks. wide, course S. 55° W.	
22.20	Ravine, 5 lks. wide, course S.	
28.00	Ledge of sandstone, N. 78° W. and S. 78° E.	
39.98	Set an iron post, 3 ft. long, 1 in. diam., 25 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked	
	S 21 $\frac{1}{4}$ S 28 1933	raise a mound
	of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.	
43.10	Ravine, 30 lks. wide, course S. 50° E.	
45.20	Same ravine, course N. 80° E. Ascend E. slope 170 ft.	
50.60	Spur, slopes S. 30° E.	
54.00	Descend W. slope 150 ft.	
79.96	The cor. of secs. 20, 21, 28, and 29.	
	Land, mountainous, Soil, thin Timber, pinyon and juniper; undergrowth, oak and laurel brush and cactus.	

Subdivision of T. 4 S., R. 18 E.

BOOK 4024

Chains	N. 0° 02' W., bet. secs. 20 and 21. Ascend 500 ft. over general SW. slope of limestone ridge, through scattered timber and brush.
0.55	Head of ravine, 10 lks. wide, course S. 10° W.
3.60	Small limestone spur, slopes S. 55° E.
18.20	Head of ravine, 5 lks. wide, course S. 25° W.
36.00	Limestone spur, slopes S. 55° W.; descend NW. slope 90 ft.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to bedrock, in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked $\frac{1}{4}$ S20 S21 1933 from which A pinyon, 10 ins. diam., bears S. 71° W., 141 lks. dist., mkd. $\frac{1}{4}$ S20 BT A pinyon 6 ins. diam., bears S. 19 $\frac{1}{4}$ ° E., 245 lks. dist., mkd. $\frac{1}{4}$ S21 BT
49.48	Ravine, 15 lks. wide, course S. 30° W.; ascend 450 ft. over SE. slope.
69.50	Limestone ridge, bears E. and W.; descend NE. slope 357 ft.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 16, 17, 20, and 21, with brass cap marked T 4 S R 18 E S17 S16 S20 S21 1933 raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Land, mountainous. Soil, none, limestone rock. Timber, scattered pinyons and junipers; undergrowth; oak, laurel and manzanita brush and cactus.
40.00	N. 89° 44' E., on a random line bet. secs. 16 and 21. Set temp. $\frac{1}{4}$ sec. cor.
79.90	Intersect N. and S. line 8 lks. S. of the cor. of secs. 15, 16, 21, and 22. Thence S. 89° 41' W., on true line bet. secs. 16 and 21. Descend NW. slope 170 ft. through brush.
13.30	Ravine, 20 lks. wide, course N. 40° E.; ascend NE. slope of ridge 1060 ft.
31.10	Spur, slopes N. 15° E.
35.30	Ravine, 10 lks. wide, course N. 10° E.
39.00	Spur of limestone boulders, slopes N.
39.95	Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to bedrock, with a stone marked "X" at base of post, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor. with brass cap marked $\frac{1}{4}$ S 16 S 21 1933
47.00	Draw, 10 lks. wide, course N. 10° W.
54.90	Spur, slopes NW.

Subdivision of T. 4 S., R. 18 E.

Chains	
61.20	Ravine, 10 lks. wide, course NW.
72.40	Ravine, 10 lks. wide, course NW.
76.50	Small spur, slopes NW.
79.90	The cor. of secs. 16, 17, 20, and 21.
	Land, mountainous, high spurs and deep ravines. Soil, gravelly and rocky. Timber, scattered pinyons and cedars; undergrowth, oak, laurel and manzanita brush, desert cactus, mountain mahogany.
	N. 0° 02' W., bet. secs. 16 and 17. Descend 300 ft. over broken NW. slope, through dense brush.
13.85	Ravine, 10 lks. wide, course N. 35° W.; ascend gradual SW. slope.
35.27	N. face of limestone boulders; over steep W. slope, descend 190 ft.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground to bedrock, with a stone marked "X" at base of post, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor. with brass cap marked $\frac{1}{4}$ S17 S16 1933
45.90	Slope changes to NW.; descend 300 ft.
57.45	Gulch, 25 lks. wide, course N. 30° E.; over NE. slope, descend 210 ft.
64.40	Gulch, 20 lks. wide, course N. 20° E.
73.10	Spur, slopes N. 40° E.
74.50	Gulch, 12 lks. wide, course N. 40° E.
76.50	Gulch, 10 lks. wide, course NE.; ascend 120 ft.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground to bedrock, with a stone marked "X" at base of post, and in a mound of stone to top, for cor. of secs. 8, 9, 16, and 17, with brass cap marked T 4 S R 18 E S 8 S 9 S17 S16 1933 From this cor., a U.S.G.S. B.M. bears S. 22° 51' E., 102.57 chs. dist., elevation 1680 ft. above cor.; a brass tablet in rock, marked KISS Elevation above sea △ + Feet Datum Mya BM Land, mountainous, high ridges and ravines. Soil, gravelly, very thin. Timber, a few scattered cedars and young pinyons; under- growth, oak, laurel and manzanita brush, bear grass and cactus.

Subdivision of T. 4 S., R. 18 E.

BOOK 4024

- Chains N. 89° 41' E. on a random line bet. secs. 9 and 16.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.94 Inter sect N. and S. line 12 lks. N. of the cor. of secs. 9, 10, 15, and 16.
- Thence
- S. 89° 46' W. on true line bet. secs. 9 and 16.
- Descend 60 ft. over broken SW. slope, through brush.
- 3.78 Ravine, 15 lks. wide, course N. 70° W. Over general NW. slope.
- 12.70 Small ridge, bears N. 25° W. and S. 25° E. Over broken W. slope, descend 360 ft.
- 36.60 Canyon, 35 lks. wide, course N. 50° W. Ascend E. slope 180 ft.
- 39.97 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to bedrock, in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
- $\frac{1}{4}$ S 9

S 16
1933
- from which
- A cedar, 14 ins. diam., bears S. 33 $\frac{1}{2}$ ° E.,
66 lks. dist., marked $\frac{1}{4}$ S16 BT.
- A cedar limb, 6 ins. diam., bears N. 21 $\frac{1}{4}$ ° W.,
273 lks. dist., marked $\frac{1}{4}$ S9 BT.
- 44.60 Short limestone ridge, bears N. 5° W. and S. 5° E. Descend SW. slope 200 ft.
- 51.30 Drain, 5 lks. wide, course N. 85° W.
- 54.60 Ravine, 15 lks. wide, course N. Ascend 100 ft.
- 61.70 Spur, slopes N. 40° E. Descend 50 ft.
- 69.40 Canyon, 20 lks. wide, course N. 40° E. Over S. and SE. slope, ascend 230 ft.
- 79.94 The cor. of secs. 8, 9, 16, and 17.
- Land, mountainous, high spurs and deep ravines.
Soil, gravelly and rocky, very thin.
Timber, scattered cedars and pinyons; undergrowth, oak, laurel and manzanita brush, cactus.
-
- N. 0° 02' W. bet. secs. 8 and 9.
- Ascend 80 ft. over bare S. slope of red rock formation.
- 5.00 Slope changes to W. Continue ascending 60 ft.
- 25.00 Spur, slopes N. 50° W. Descend over NE. slope 750 ft.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground to bedrock, in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
- $\frac{1}{4}$ S8 | S9
1933
- from which

Subdivision of T. 4 S., R. 18 E.

Chains	. A cedar, 5 ins. diam., bears N. $57\frac{1}{2}^{\circ}$ E., 57 lks. dist., marked $\frac{1}{4}$ S9 BT.
42.50	Spur, slopes N. 25° E. Over N. slope.
50.95	Martin Canyon, 45 lks. wide, course W. at bend from SE. Ascend 120 ft.
58.40	Spur, slopes S. 60° W.
66.90	Hawk Canyon, 150 lks. wide, with running water, course S. 40° W. Ascend SE. slope 190 ft.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 15 ins. in the ground to bedrock, in a mound of stone to top, for cor. of secs. 4, 5, 8, and 9, with brass cap marked
	T 4 S R 18 E S5 S4 S8 S9 1933
	from which A fork of cedar, 10 ins. diam., bears N. $71\frac{1}{2}^{\circ}$ E., 136 lks. dist., marked T4S R18E S4 BT. A fork of cedar, 6 ins. diam., bears S. 48° E., 229 lks. dist., marked T4S R18E S9 BT. A fork of cedar, 8 ins. diam., bears N. $31\frac{1}{2}^{\circ}$ W., 95 lks. dist., marked T4S R18E S5 BT.
	Land, mountainous, high ridges and canyons. Soil, rocky and gravelly, very thin, red granite formation. Timber, scattered scrub cedar and palo negro; undergrowth, oak brush and cactus.
	N. $89^{\circ} 46'$ E. on a random line bet. secs. 4 and 9.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.96	Intersect N. and S. line 4 lks. S. of the cor. of secs. 3, 4, 9, and 10.
	Thence
	S. $89^{\circ} 44'$ W. on true line bet. secs. 4 and 9.
	Over S. slope.
3.25	Spur, slopes S. 20° W. Descend broken W. slope 250 ft.
14.50	Mouth of ravine, 60 lks. wide, course S. Over S. slope.
20.95	Water tank, 6 ft. diam., 8 ft. high, bears N. 10 lks. dist.
21.95	N. cor. of Miller's residence bears S. 50 lks. dist.
24.00	Hawk Creek, 70 lks. wide, course NW. Over end of spur.
26.77	3 strand barb wire fence, bears N. 5° E. and S. 5° W.
37.30	Hawk Creek, in canyon, 110 lks. wide, course S. 40° W. Ascend SE. slope 110 ft.
39.98	Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground to bedrock, in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	S 4 $\frac{1}{4}$ — S 9 1933
	from which A mesquite fork, 15 ins. diam., bears N. $75\frac{3}{4}^{\circ}$ W.,

Subdivision of T. 4 S., R. 18 E.

S. 1/4 Sec. 4, 1/4 Sec. 5, 1/4 Sec. 8, 1/4 Sec. 9

Chains 109 lks. dist., marked $\frac{1}{4}$ S4 BT.
 A mesquite, 15 ins. diam., bears S. $29\frac{1}{2}^{\circ}$ E.,
 146 lks. dist., marked $\frac{1}{4}$ S9 BT.

46.00 Spur, slopes S. Descend SW. slope 200 ft.

53.95 Hawk Canyon and creek 90 lks. wide, course N. 50° W.
 Ascend NE. slope 180 ft.

59.00 Precipitous spur, slopes N. Descend NW. slope 280 ft.

64.40 Enter Hawk Canyon. Over gradual slope.

64.70 4 strand barb wire fence, bears N. 31° E. and S. 31° W.

69.16 5 strand barb wire fence, bears N. 2° E. and S. 2° W.

69.90 Hawk Creek, 70 lks. wide, course S.

70.30 Leave Hawk Canyon, ascend E. and SE. slope, 175 ft.

74.63 Ravine, 18 lks. wide, course S. 5° E.

79.96 The cor. of secs. 4, 5, 8, and 9.

Land, mountainous,
 Soil, rocky and gravelly, thin.
 Timber, scattered mesquite; undergrowth, oak brush.

N. $0^{\circ} 10'$ W. on a random line bet. secs. 4 and 5.

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

79.97 Intersect N. boundary of tp. 2 lks. E. of the cor. of
 secs. 4, 5, 32, and 33.

Thence

S. $0^{\circ} 11'$ E. on true line bet. secs. 4 and 5.
 Ascend NW. slope, 510 ft.

14.60 Ravine, 35 lks. wide, course N. 30° W.

19.20 Spur, slopes N. 30° W.

33.90 Ravine, 15 lks. wide, course N. 30° W. Ascend N. slope
 200 ft.

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

$\frac{1}{4}$
 S5 | S4
 1933

from which

A cedar, 5 ins. diam., bears S. $9\frac{1}{2}^{\circ}$ W.,
 35 lks. dist., marked $\frac{1}{4}$ S5 BT.

A cedar limb, 8 ins. diam., bears S. 82° E.,
 136 lks. dist., marked $\frac{1}{4}$ S4 BT.

48.00 Spur, slopes NW. Descend S. and SE. slope 510 ft.

75.90 Gulch, 15 lks. wide, course E.

79.97 The cor. of secs. 4, 5, 8, and 9.

Land, mountainous,
 Soil, rocky and gravelly, thin.
 Timber, scattered cedar; undergrowth, oak brush.

Subdivision of T. 4 S., R. 18 E.

Chains	<p>From the cor. of secs. 5, 6, 31, and 32, on the S. boundary of the tp., which is an iron post, 2 ins. diam., 28 ins. above ground, in a mound of stone, with brass cap, marked and witnessed as described in the official record.</p> <p>N. 0° 03' W. bet. secs. 31 and 32.</p> <p>Over broken land sloping W. Ascend gradually.</p> <p>5.80 Spur, slopes SW.</p> <p>9.20 Head of ravine, 10 lks. wide, course SW.</p> <p>22.00 Low ridge, bears N. 75° W. and S. 75° E.</p> <p>29.70 Ravine, 15 lks. wide, course N. 35° W.</p> <p>40.00 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to bedrock, in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <p style="text-align: center;"> $\frac{1}{4}$ S31 S32 1933 </p> <p style="text-align: right;">from which a</p> <p>A pinyon, 12 ins. diam., bears S. 68° E., 273 lks. dist., marked $\frac{1}{4}$S32 BT.</p> <p>A pinyon, 24 ins. diam., bears S. 39$\frac{1}{2}$° W., 231 lks. dist., marked $\frac{1}{4}$S31 BT.,</p> <p>45.00 Gulch, 50 lks. wide, course N. 50° W.</p> <p>53.55 Spur, slopes S. 75° W.</p> <p>67.00 Drain, 3 lks. wide, course SW.</p> <p>72.60 Small drain, course W.</p> <p>80.00 Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, on N. side of a granite boulder, for cor. of secs. 29, 30, 31, and 32, with brass cap marked</p> <p style="text-align: center;"> T 4 S R 18 E S30 S29 S31 S32 1933 </p> <p style="text-align: right;">from which</p> <p>A pinyon, 9 ins. diam., bears N. 83$\frac{1}{2}$° E., 147 lks. dist., marked T4S R18E S29 BT.</p> <p>A pinyon, 5 ins. diam., bears S. 79° E., 140 lks. dist., marked T4S R18E S32 BT.</p> <p>A pinyon, 7 ins. diam., bears S. 42$\frac{1}{4}$° W., 25 lks. dist., marked T4S R18E S31 BT.</p> <p>A pinyon, 14 ins. diam., bears N. 83° W., 89 lks. dist., marked T4S R18E S30 BT.</p> <p>Land, mountainous, broken. Soil, rocky, very little dirt. Timber, scattered cedars and pinyons; undergrowth, oak brush and desert cactus.</p>
	<p>N. 89° 48' E. on a random line bet. secs. 29 and 32.</p> <p>40.00 Set temp. $\frac{1}{4}$ sec. cor.</p> <p>80.04 Intersect N. and S. line 12 lks. S. of the cor. of secs. 28, 29, 32, and 33.</p> <p>Thence</p> <p>S. 89° 43' W. on true line bet. secs. 29 and 32.</p>

Subdivision of T. 4 S., R. 18 E.

BOOK 4024

Chains	Over broken land, ascend E. slope of low hill.
5.86	Top of hill, bears E. and W. Across top.
11.65	Begin to descend along S. slope of low ridge, bears N. 80° W. and S. 80° E. Through brush and timber.
34.80	Head of ravine, course S.
40.02	Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the ground to bedrock, in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\begin{array}{r} S29 \\ \frac{1}{4} \hline S32 \end{array}$
	A pinyon, 9 ins. diam., bears N. 34° W., 291 lks. dist., marked $\frac{1}{4}$ S29 BT. from which
	A pinyon, 14 ins. diam., bears S. 85° E., 152 lks. dist., marked $\frac{1}{4}$ S32 BT.
46.90	Descend SW. and W. slope 480 ft.
80.04	The cor. of secs. 29, 30, 31, and 32.
	Land, mountainous, broken. Soil, rocky, very thin. Timber, scattered cedars and pinyons; undergrowth, oak brush and desert cactus.
	S. 89° 48' W. on a random line bet. secs. 30 and 31.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.04	Intersect W. boundary of the tp. 12 lks. N. of the cor. of secs. 25, 30, 31, and 36, which is a granite 8 x 8 x 7 ins. above ground, marked and witnessed as described in the official record.
	Thence
	N. 89° 43' E. on true line bet. secs. 30 and 31.
	Ascend over broken mountains, through brush and timber.
3.70	Spur, slopes S.
16.40	Ravine, 15 lks. wide, course S. 15° W.
27.50	Spur, slopes S.
33.30	Ravine, 5 lks. wide, course S. 40° W. Up ravine.
35.30	Leave ravine.
37.00	Spur, slopes SW.
39.04	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\begin{array}{r} S 30 \\ \frac{1}{4} \hline S 31 \end{array}$
	of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. raise a mound
44.40	Head of ravine, course S.
53.60	High spur, slopes S. 10° E. Descend SE. slope 230 ft.
70.00	Canyon (box canyon) 50 lks. wide, course S, 25° W.

Subdivision of T. 4 S., R. 18 E.

Chains	
	Ascend 50 ft
79.04	The cor of secs. 29, 30, 31, and 32. Land, mountainous, broken. Soil, rocky, very thin. Timber, scattered cedars and pinyons; undergrowth, oak brush and desert cactus.
	N. 0° 03' W. bet. secs. 29 and 30. Ascend SW. slope 80 ft.
0.40	Drain, 5 lks. wide, course W.
7.00	Spur, slopes W. Descend NW. slope 200 ft.
15.10	Bottom of canyon, course W.
17.10	Ascend rocky S. slope 360 ft.
33.00	High spur, slopes SW. Along W. slope, descend
40.00	Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to bedrock, in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$ S30 S29 1933 from which
	A pinyon, 12 ins. diam., bears S. 43° W., 150 lks., dist., marked $\frac{1}{4}$ S30 BT.
	A pinyon, 5 ins. diam., bears N. 20 $\frac{1}{2}$ ° E., 237 lks. dist., marked $\frac{1}{4}$ S29 BT.
45.50	Head of ravine, course SW. Ascend S. slope 200ft.
54.90	Top of knoll. Over small saddle
66.70	Descend NW. slope 160 ft.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., on solid rock, in bottom of small drain, with a stone marked "X" at base of post, and in a mound of stone to top, for cor. of secs. 19, 20, 29, and 30, with brass cap marked
	T 4 S R 18 E S19 S20 S30 S29 1933 from which
	A pinyon 7 ins. diam., bears N. 67° E., 71 lks. dist., marked T4S R18E S20 BT.
	A pinyon 8 ins. diam., bears S. 61° E., 84 lks. dist., marked T4S R18E S29 BT.
	A pinyon, 7 ins. diam., bears S. 19 $\frac{1}{2}$ ° W., 34 lks. dist., marked T4S R18E S30 BT.
	A pinyon 14 ins diam., bears N. 76 $\frac{1}{2}$ ° W., 134 lks. dist., marked T4S R18E S19 BT.
	Land, mountainous, broken. Soil, rocky, very thin. Timber, scattered cedars and pinyon; undergrowth, oak brush and cactus.

Chains	N. 89° 43' E. on a random line bet. secs. 20 and 29.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.92	Intersect N. and S. line 4 lks. S. of the cor. of secs. 20, 21, 28, and 29.
	Thence
	S. 89° 41' W. on true line bet. secs. 20 and 29
	Descend SW. slope 180 ft.
0.50	Ravine, 50 lks. wide, course SW., bed of limestone.
5.00	Small spur, slopes SW.
17.00	Ravine, 5 lks. wide, course S. 50° W.
23.80	Ravine, 15 lks. wide, course S. 70° W.
33.35	Enter ravine, 30 lks. wide, course W. Down ravine.
39.96	Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	S 20 $\frac{1}{4}$ ——— S 29 1933
	from which
	A pinyon, 6 ins. diam., bears S. 67 $\frac{1}{2}$ ° E., 33 lks. dist., marked $\frac{1}{4}$ S29mBT.
	A pinyon, 5 ins. diam., bears N. 13° W., 131 lks. dist., marked $\frac{1}{4}$ S20 BT.
41.80	Leave ravine, course SW. Ascend NE. slope 225 ft.
54.00	Head of ravine, 3 lks. wide, course N.
62.00	Spur, slopes S.
67.45	Head of ravine, course N. 60° W. Over N. slope.
79.92	The cor. of secs. 19, 20, 29, and 30.
	Land, mountainous. Soil, No soil, limestone rock. Timber, scattered cedar and pinyon; undergrowth, oak brush and cactus.
	S. 89° 43' W. on a random line bet. secs. 19 and 30.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
78.97	Intersect W. boundary of the tp. at the cor. of secs. 19, 24, 25, and 30, which is a granite 7 x 8 x 8 ins. above ground, marked and witnessed as described in the official record.
	Thence
	N. 89° 43' E. on true line bet. secs. 19 and 30.
	Ascend NW. slope 70 ft.
3.30	Low ridge, bears N. 20° E. and S. 20° W. Descend SE. slope 90 ft.
22.40	Short drain, course SE.

Subdivision of T. 4 S., R. 18 E.

Chains

- 38.00 Canyon, 30 lks. wide, course SW. Ascend NW. slope
240 ft.
- 38.97 Set an iron post, 3 ft. long, 1 in. diam., 22 ins. in
the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
S 19
 $\frac{1}{4}$
S 30
1933 from which
A pinyon, 10 ins. diam., bears S. $2\frac{3}{4}^{\circ}$ E.,
53 lks. dist., marked $\frac{1}{4}$ S 30 BT.
A pinyon, 12 ins. diam., bears N. 71° E.,
88 lks. dist., marked $\frac{1}{4}$ S 19 BT.
- 53.60 Low ridge, bears N. 50° E. and S. 50° W. Descend.
165 ft.
- 68.50 Gulch, 10 lks. wide, course SW. Over N. slope.
- 78.97 The cor of secs. 19, 20, 29, and 30.
Land, mountainous,
Soil, rocky, thin.
Timber, scattered cedar and pinyon; undergrowth, oak
brush and cactus.
-
- N. $0^{\circ} 03'$ W. bet. secs. 19 and 20.
- 0.28 Head of ravine, 10 lks. wide, course S. 80° W.
Ascend 200 ft. over S. slope of limestone formation,
through scattered brush.
- 10.10 Head of ravine, course S. 40° W.
- 26.90 Limestone spur, slopes SW. Over top of spur.
- 34.30 Begin sharp descent over NW. slope, 65 ft. through
brush.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in
the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
 $\frac{1}{4}$
S19|S20
1933 from which
A pinyon, 12 ins. diam., bears N. $8\frac{1}{4}^{\circ}$ E.,
130 lks. dist., marked $\frac{1}{4}$ S20 BT.
A pinyon, 10 ins. diam., bears N. $17\frac{3}{4}^{\circ}$ W.,
209 lks. dist., marked $\frac{1}{4}$ S19 BT.
- 42.85 Head of ravine, course S. 80° W. Ascend SW. slope
130 ft.
- 65.00 S. rim of ravine, course W.
- 67.00 Ravine, 25 lks. wide, course W. Ascend 150 ft. over
SW. slope
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in
the ground, for cor. of secs. 17, 18, 19, and 20,
with brass cap marked
T 4 S R 18 E
S18 S17
S19 S20 raise a mound
of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Land, mountainous.
Soil, No soil, limestone rock.
Timber, cedar and pinyon; undergrowth, oak brush.

Subdivision of T. 4 S., R. 18 E.

Chains	N. 89° 41' E. on a random line bet. secs. 17 and 20.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.06	Intersect N. and S. line at the cor. of secs. 16, 17, 20, and 21.
	Thence
	S. 89° 41' W. on true line bet. secs. 17 and 20.
	Ascend N. and NE. slope of limestone ridge, 250 ft., through dense brush.
1.20	Head of ravine, course N.
5.70	Head of ravine, 10 lks. wide, course N. 10° E.
26.30	Limestone ridge, bears NW. and SE. Descend over general SW. slope, 400 ft.
40.03	Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to bedrock, in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	S 17 $\frac{1}{4}$ ————— S 20 1933
	from which
	A cedar, 10 ins. diam., bears N. 81 $\frac{1}{2}$ ° E., 174 lks. dist., marked $\frac{1}{4}$ S17 BT.
	A cedar, 10 ins. diam., bears S. 29 $\frac{1}{4}$ ° W., 129 lks. dist., marked $\frac{1}{4}$ S20 BT.
80.06	The cor. of secs. 17, 18, 19 and 20.
	Land, mountainous, limestone formation. Soil, none. Timber, cedars and pinyons; undergrowth, oak, laurel, manzanita brush and cactus.
	S. 89° 43' W. on a random line bet. secs. 18 and 19.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
78.99	Intersect W. bdy. of Tp. 11 lks. N. of the cor. of secs. 13, 18, 19 and 24.
	Return to the cor. of secs. 17, 18, 19, and 20.
	Thence
	West on true line bet. secs. 18 and 19.
	Across shallow swale, through scattered brush, over general SW. slope.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the ground to bedrock, in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	S 18 $\frac{1}{4}$ ————— S 19 1933
	from which
	A cedar, 5 ins. diam., bears S. 70° W., 37 lks. dist., marked $\frac{1}{4}$ S19 BT.

Subdivision of T. 4 S., R. 18 E.

Chains
41.20

Edge of limestone ledge. Begin sharp descent over W. slope.

48.35

Haas Canyon, 35 lks. wide, course S. 55° W. Ascend over SE. slope 140 ft.

72.65

Limestone spur, slopes S. 18° W. Descend 50 ft.

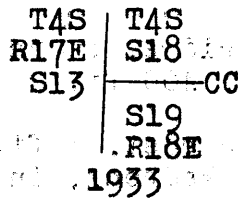
75.60

Ravine, 20 lks. wide, course SW. Ascend SE. slope.

78.99

Intersect the W. boundary of the Tp.

Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to bedrock, with a stone marked "X" at base of post, and in a mound of stone to top, for closing corner of secs. 18 and 19, with brass cap marked



From point of intersection the cor. of secs. 13, 18, 19, and 24, bears S. 50 lks. dist.; a limestone, 5 x 8 ins., 12 ins. above ground, with 3 grooves on N. and S. sides, witnessed as described in the official record.

This cor. now refers to R. 17 E. only. Reset the stone 8 ins. deeper, and raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.

Land, mountainous, limestone formation.
Soil, gravelly, very thin.
Timber, scattered bush cedars; undergrowth, oak brush and cactus.

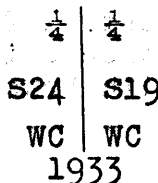
The witness ¼ sec. cor. of secs. 19 and 24, on the W. bdy. of the Tp., which now refers to sec. 24 only, of R. 17 E., is a cross "X", with ¼ along side, chiseled on NE. cor. of a limestone rock in place, 4 x 4 x 3 ft. above ground.

from which

A laurel, 12 ins. diam., bears S. 45° 00' E., 16 lks. dist., marked WC ¼ S19 BT.

A pinyon, 8 ins. in diam., bears N. 5° 30' W., 170 lks. dist., marked WC ¼ S24 BT.

Adjacent to the cross "X" on limestone rock, set an iron post, 3 ft. long, 1 in. diam., on rock surface in a mound of stone, 4 ft. base, 3 ft. high, for the witness ¼ sec. cor. of sec. 19, and for the witness ¼ sec. cor. of sec. 24, with brass cap marked



This witness corner is 2.00 chs. S. of the true point for the ¼ sec. cor. of sec. 24, and 2.25 chs. S. of the true point for the ¼ sec. corner of sec. 19.

The true point for the ¼ sec. cor. of sec. 19., is midway between the NW. and SW. corners of sec. 19, and 25 lks.

Subdivision of T. 4 S., R. 18 E.

BOOK 402

Chains north of the true point for the 1/4 sec. cor. of sec. 24.

From the cor. of secs. 17, 18, 19, and 20.

N. 0° 03' W. bet. secs. 17 and 18.

Ascend over rolling general SW. slope of limestone ridge 100 ft.

26.13 Drain, 3 lks. wide, course SW.

39.50 Drain, 12 lks. wide, course S. 40° W.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., with brass cap marked

S18 | S17

1933

from which

A limb on the E. side of a cedar, 5 ins. diam., bears S. 15 1/2° E., 262 lks. dist., marked S17 BT.

A cedar 14 ins. diam., bears S. 75 1/4° W., 103 lks. dist., marked S18 BT.

Continue to ascend 310 ft.

55.50 Spur, slopes SW.

61.20 Limestone ridge, bears N. 22° W. and S. 22° E. Descend NE. slope 220 ft.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 7, 8, 17 and 18, with brass cap marked

T4S | R18E

S7 | S8

S18 | S17

1933

from which

A cedar, 8 ins. diam., bears S. 42° E., 46 lks. dist., marked T4S R18E S17 BT.

A pinyon, 4 ins. diam., bears S. 35 1/2° W., 67 lks. dist., marked T4S R18E S18 BT.

Raise a mound of stone around post to top.

Land, mountainous, across main high ridge. Soil, very little.

Timber, cedar, pinyon and mountain mahogany; undergrowth. oak, laurel, manzanita, catclaw, mesquite and cactus.

N. 89° 51' E., on a random line bet. secs. 8 and 17.

40.00 Set temp. 1/4 sec. cor.

79.90 Intersect N. and S. line at the cor. of secs. 8, 9, 16, and 17.

Thence

S. 89° 41' W., on true line bet. secs. 8 and 17.

Descend 40 ft. over SW. slope of bare red granite spur,

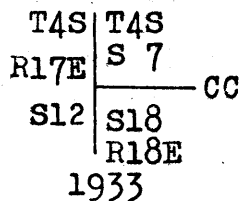
Subdivision of T. 4 S., R. 18 E.

Chains	across saddle.
5.00	Ascend 320 ft. over NE. slope.
20.75	Over broken N. slope. Continue ascending.
38.70	Ravine, 25 lks. wide, course NE. Ascend SE. slope 70 ft.
39.95	Set an iron post, 3 ft. long, 1 in. diam., on solid rock, with a mark "X" at base of post, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4} \frac{S \ 8}{S17}$
	1933 from which
	A cedar limb, 8 ins. diam., bears S. $19\frac{1}{2}^\circ$ W., 96 lks. dist., marked $\frac{1}{4}$ S17 BT.
	A cedar limb, 8 ins. diam., bears N. 31° W., 178 lks. dist., marked $\frac{1}{4}$ S8 BT.
41.10	E. edge of rocky bluff. Continue over SE. slope 540 ft.
71.50	High, limestone spur, slopes N. 40° E. Descend NW. slope 120 ft.
79.90	The cor. of secs. 7, 8, 17 and 18. Land, mountainous, limestone formation. Soil, very little. Timber, scattered cedars; undergrowth, oak and laurel brush.
	West on true line, bet. secs. 7 and 18.
	Along N. slope of main ridge, through dense brush, desc. 250 ft.
10.50	Ravine, 25 lks. wide, course N. 30° W.; asc. 10 ft.
18.00	Spur, slopes N. 30° W.; asc. 110 ft.
26.00	Ravine, 20 lks. wide, course N. 40° E. Asc. NE. slope 264 ft.
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bedrock, in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4} \frac{S \ 7}{S \ 18}$
	1933 from which
	A cedar limb, 5 ins. diam., bears N. 10° W., 142 lks. dist., marked $\frac{1}{4}$ S7 BT.
	a cedar limb, 5 ins. diam., bears S. 26° E., 258 lks. dist., marked $\frac{1}{4}$ S18 BT.
41.40	Limestone ridge, bears NW. and SE. Across slight depression, over S. slope.
49.00	Ascend over E. slope 135 ft.
62.15	Descend SW. slope, 165 ft.
78.72	Intersect the W. boundary of the Tp.
	Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in

Subdivision of T. 4 S., R. 18 E.

Chains

the ground to bedrock, in a mound of stone to top, for closing cor. of secs. 7 and 18, with brass cap marked



from which

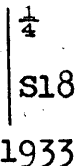
- A pinyon, 6 ins. diam., bears N. $3\frac{1}{2}^\circ$ E., 187 lks. dist., marked T4S R18E S7 CC BT.
- A cedar, 10 ins. diam., bears S. $28\frac{1}{4}^\circ$ E., 165 lks. dist., marked T4S R18E S18 CC BT.

From point of intersection, the cor. of secs. 7, 12, 13 and 18, which now refers to secs. 12 and 13, R. 17 E. only, bears south, 50 lks. dist.; a limestone, $3\frac{1}{2} \times 8$ ins. 11 ins. above ground, which I reset more firmly, marked and witnessed as described in the official record.

Land, mountainous.
Soil, rocky and gravelly, very little soil.
Timber, cedar and pinyon; undergrowth, oak brush.

The $\frac{1}{4}$ sec. cor. bet. secs. 13 and 18, which now refers to sec. 13 only, of R. 17 E., is a limestone, 8 x 10 ins., 5 ins. above ground, marked and witnessed as described in the official record.

At a point north, 50 lks. dist., set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to bedrock, with a stone marked "X" at base of post, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor. of sec. 18 only, with brass cap marked



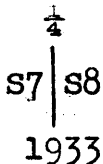
This cor. is midway bet. the NW. and SW. cors. of sec. 18.

From the cor. of secs. 7, 8, 17 and 18.

N. $0^\circ 03'$ W., bet. secs. 7 and 8.

Descend NW. slope of limestone spur, through dense brush, 560 ft.

- 4.95 Drain, 15 lks. wide, course N. 80° W.
- 14.50 Drain, 15 lks. wide, course N. 80° W.
- 29.50 Edge of limestone bluffs, continue descent over steep N. slope.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to bedrock, in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked



from which

- A cedar, 5 ins. diam., bears S. 43° W.,

Subdivision of T. 4 S., R. 18 E.

Chains	162 lks. dist., marked $\frac{1}{4}$ S7 BT.										
50.00	Ravine, 18 lks. wide, course NE. Over NE. slope.										
55.00	Small spur, slopes NE. Across small swale, along E. slope of ridge, near top.										
80.00	Small depression on top of ridge, bears N. 15° E. and S. 15° W.										
	Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 5, 6, 7 and 8, with brass cap marked										
	<table style="margin-left: auto; margin-right: auto;"> <tr> <td>T4S</td> <td>R18E</td> </tr> <tr> <td>S6</td> <td>S5</td> </tr> <tr> <td colspan="2" style="border-top: 1px solid black;"></td> </tr> <tr> <td>S7</td> <td>S8</td> </tr> <tr> <td colspan="2" style="text-align: center;">1933</td> </tr> </table>	T4S	R18E	S6	S5			S7	S8	1933	
T4S	R18E										
S6	S5										
S7	S8										
1933											
	raise a mound										
	of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.										
	Land, mountainous.										
	Soil, very thin, 4th rate.										
	Timber, scattered cedars; undergrowth, oak, laurel and manzanita.										
	N. 89° 41' E., on a random line bet. secs. 5 and 8.										
40.00	Set temp. $\frac{1}{4}$ sec. cor.										
79.94	Intersect N. and S. line, 2 lks. N. of the cor. of secs. 4, 5, 8 and 9.										
	Thence										
	S. 89° 42' W., on true line bet. secs. 5 and 8.										
	Ascend over E. and SE. slopes, 80 ft.										
3.40	Spur, slopes SE. Descend SW. slope, 140 ft.										
8.25	Ravine, 10 lks. wide, course S. Ascend SE. slope 70 ft.										
23.25	Head of ravine, course S. 50° E.										
26.30	Spur, slopes S. 70° W. Descend NW. slope, 350 ft.										
39.97	Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked										
	<table style="margin-left: auto; margin-right: auto;"> <tr> <td>S 5</td> </tr> <tr> <td>$\frac{1}{4}$ <u> </u></td> </tr> <tr> <td>S 8</td> </tr> <tr> <td>1933</td> </tr> </table>	S 5	$\frac{1}{4}$ <u> </u>	S 8	1933						
S 5											
$\frac{1}{4}$ <u> </u>											
S 8											
1933											
	from which										
	A mesquite, 14 ins. diam., bears N. 30 $\frac{1}{4}$ ° W., 108 lks. dist., marked $\frac{1}{4}$ S5 BT.										
	A cedar, 14 ins. diam., bears S. 19 $\frac{1}{2}$ ° E., 171 lks. dist., marked $\frac{1}{4}$ S8 BT.										
40.50	Enter Hawk Canyon. Over nearly level land.										
47.75	Hawk Creek, 85 lks. wide, course N.										
48.50	Ascend general NE. slope, 150 ft.										
56.70	Spur, slopes N. 10° E.										
59.10	Ravine, 10 lks. wide, course N.										
66.90	Ravine, 10 lks. wide, course N. 10° E.										

Subdivision of T. 4 S., R. 18 E.

Chains 77.00	Head of ravine, course N. 80° E.
79.94	The cor. of secs. 5, 6, 7 and 8. Land, mountainous. Soil, rocky and gravelly, thin. Timber, scattered cedar; undergrowth, oak and laurel brush, manzanita.
	West, on true line, bet. secs. 6 and 7. Descend 110 ft. over W. slope.
4.00	Ravine, 10 lks. wide, course N. 40° W. Ascend NE. slope, 130 ft.
13.00	Spur, slopes NE. Descend NW. slope 185 ft.
19.65	A good spring bears south, about 34 chs. dist.
23.20	"Water Canyon", 30 lks. wide, course N. Ascend 400 ft. over steep E. and SE. slope.
39.55	Head of ravine, course S. 25° E.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked
	$\begin{array}{r} S\ 6 \\ \frac{1}{4} \\ \hline S\ 7 \\ 1933 \end{array}$
	from which
	A cedar, 8 ins. diam., bears N. 38° W., 54 lks. dist., marked ¼S6 BT. No other tree available.
45.20	Spur, slopes N. 50° E. Descend general NW. slope, 300 ft.
49.10	Ravine, 20 lks. wide, course N. 40° E.
54.65	Spur, slopes N. 30° E.
57.00	Small ravine, course N. 20° W.
59.15	Spur, slopes N.
63.80	Ravine, 12 lks. wide, course N. 40° E.
76.60	Ravine, 30 lks. wide, course N. 20° W.
78.56	Intersect the W. boundary of the Tp. Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground to bedrock, in a mound of stone to top, for closing cor. of secs. 6 and 7, with brass cap marked
	$\begin{array}{r} T4S \\ R18E \\ \hline R17E\ S6 \\ S1\ S7 \\ R18E \end{array} \quad \text{CC}$
	from which
	1933
	A cedar, 14 ins. diam., bears S. 50½° E., 227 lks. dist., marked T4S R18E S7 CC BT. This is the same bearing tree as that used for the cor. of secs. 1, 6, 7 and 12.
	From point of intersection, the cor. of secs. 1, 6, 7 and 12, which now refers to secs. 1 and 12 only, of R. 17 E.

Subdivision of T. 4 S., R. 18 E.

Chains

bears south, 61 lks. dist.; a limestone, 10 x 8 ins., 5 ins. above ground, marked and witnessed as described in the official record.

Land, mountainous.

Soil, rocky and gravelly, thin.

Timber, scattered cedar; undergrowth, oak and laurel.

At a point on the W. boundary of sec. 7, midway between the closing cor. of secs. 7 and 18, and the closing cor. of secs. 6 and 7.

Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to bedrock, in a mound of stone to top, for $\frac{1}{4}$ sec. cor. of sec. 7 only, with brass cap marked

 $\frac{1}{4}$

S7

1933

from which

A cedar, 32 ins. diam., bears S. $49\frac{1}{2}^{\circ}$ E., 238 lks. dist., marked $\frac{1}{4}$ S7 BT.

A cedar fork, 18 ins. diam., bears N. $47\frac{3}{4}^{\circ}$ E., 497 lks. dist., marked $\frac{1}{4}$ S7 BT.

From this cor., the witness $\frac{1}{4}$ sec. cor. of secs. 7 and 12, which now refers to sec. 12 only, of R. 17 E., bears south, 11.05 chs. dist.; a mark "X" on N. face of limestone ledge, marked and witnessed as described in the official record.

From the cor. of secs. 5, 6, 7 and 8.

N. $0^{\circ} 11'$ W., on a random line, bet. secs. 5 and 6.

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

80.40 Intersect the N. boundary of the Tp., 14 lks. E. of the cor. of secs. 5, 6, 31 and 32.

Thence

S. $0^{\circ} 17'$ E., on true line, bet. secs. 5 and 6.

Descend 240 ft. over SW. slope.

1.20 Ravine, 10 lks. wide, course W.

10.25 Ravine, 25 lks. wide, course W.

19.90 Ravine, 7 lks. wide, course N. 60° W. Ascend N. slope 180 ft.

26.60 Ridge, bears E. and W. Descend SW. slope 240 ft.

35.00 Ravine, 12 lks. wide, course S. 35° W.

40.40 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

 $\frac{1}{4}$

S6 | S5

1933

from which

Subdivision of T. 4 S., R. 18 E.

BOOK 402

Chains	A cedar limb, 5 ins. diam., bears N. 17½° E., 212 lks. dist., marked ½s BT. No other trees.
45.80	Junction of two ravines, courses, W. and SW., thence S. 50° W.
52.00	Enter Hawk Canyon. Over nearly level land.
53.00	Hawk Creek, 60 lks. wide, course W.
54.80	Ascend N. and NW. slope, 580 ft.
65.60	Head of ravine, course NE.
80.40	The cor. of secs. 5, 6, 7 and 8. Land, mountainous. Soil, rocky and gravelly, thin. Timber, scattered cedar; undergrowth, oak and laurel.
Resurvey of the east boundary of sec. 1, T. 4 S., R. 17 E.	
From the cor. of secs. 1 and 12, T. 4 S., R. 17 E., here- inbefore described.	
North, on a random line, on the E. bdy. of sec. 1.	
40.02	The ¼ sec. cor. of secs. 1 and 6.
80.88	The cor. of Tps. 3 and 4 S., Rs. 17 and 18 E.
Return to the cor. of secs. 1 and 12, T. 4 S., R. 17 E., hereinbefore described.	
Thence	
North, on true line on the E. boundary of sec. 1.	
Over mountainous land, through scattering timber and dense undergrowth, desc. 100 ft.	
.61	The closing cor. of secs. 6 and 7, R. 18 E., hereinbefore described.
13.00	Gulch, 30 lks. wide, course NW. Ascend 200 ft. over SW. slope.
20.00	Ridge, bears NW. and SE. Descend.
40.02	The ¼ sec. cor. of secs. 1 and 6, which now refers to sec. 1 only, of R. 17 E.; a quartzite rock in place, 24 x 12 x 18 ins. above ground, marked and witnessed as describ- ed in the official record.
40.61	A point on the W. boundary of sec. 6, 40 chs. dist., north, of the closing cor. of secs. 6 and 7, R. 18 E., Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to bedrock, with a stone marked "X" at base of post, and in a mound of stone to top, for ¼ sec. cor. of sec. 6 only, with brass cap marked
<div style="display: flex; align-items: center; justify-content: center;"> <div style="border-left: 1px solid black; padding-left: 5px; margin-right: 5px;"> $\frac{1}{4}$ S6 </div> </div> <p>1933</p>	

Resurvey of the east boundary of sec. 1,
T. 4 S., R. 18 E.

Chains 45.00	Begin steep descent over ledges.
70.00	Gulch, 20 lks. wide, course NW., about 400 ft. below the $\frac{1}{4}$ sec. cor. Ascend 200 ft. over SW. slope.
80.88	The cor. of Tps. 3 and 4 S., Rs. 17 and 18 E., hereinbefore described.

Final test of solar attachment

May 31, 1933.

In the NE $\frac{1}{4}$ of sec. 33, at 8h 00m a.m., app.t., I set off 33° 03' N., on the lat. arc; 21° 55 $\frac{1}{2}$ ' N., on the decl. arc, and orient the instrument with the solar; the line of sight agrees with the meridian established by Polaris observation.

At 4h 00m p.m., app.t., I set off 33° 03' N. on the lat. arc; 21° 58 $\frac{1}{2}$ ' N., on the decl. arc, and repeat the test of the solar; the line of sight agrees with the meridian established by Polaris observation.

General Description

A high ridge of limestone formation crosses the township in a northwesterly and southeasterly direction. All of the township is broken and mountainous in character, consisting of many high spurs and deep ravines.

Hawk Creek, which carries a good stream of water, crosses the northern portion of the township, in a general northwest direction. Hawk Creek Canyon is deep and rugged in places. There is one good spring of water in sec. 7, and also a smaller spring in sec. 2.

The soil is generally thin, rocky and gravelly. The vegetation consists of scattered growths of scrub cedar and pinyon trees, and thickets of oak, laurel, manzanita brush and cactus.

There are no indications of valuable mineral deposits.

4-680
(Revised May 1934)

FIELD ASSISTANTS

NAMES	CAPACITY
E. Allen Blout	1st. Chainman
J. D. Harris	2nd. Chainman
Howard Blout	Flagman
Edd Winsor	Cornerman

CERTIFICATE OF UNITED STATES SURVEYER

I, Charles E. Hunter, U.S. Transitman, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 22nd day of March 1933, received from the district cadastral engineer for Arizona, with assignment instructions dated April 7, 1933, I have surveyed a portion of the East boundary of Township 4 South, Range 17 East; and surveyed the North boundary and subdivisional lines of fractional Township 4 South, Range 18 East, 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 survey and resurvey 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.

Apache, Arizona, March 17, 1934.

Charles E. Hunter U.S. Transitman

CERTIFICATE OF APPROVAL

OFFICE OF U.S. SUPERVISOR OF SURVEYS, Denver, Colorado, February 4, 1935.

The foregoing field notes of the survey of a portion of the East boundary of Township 4 South, Range 17 East; and surveyed the North boundary and subdivisional lines of fractional Township 4 South, Range 18 East, of the Gila and Salt River Meridian, in the State of Arizona,

executed by Charles E. Hunter, U.S. Transitman, under special instructions dated March 22, 1933, and assignment instructions dated April 7, 1933, having been critically examined, and the necessary corrections made prior to their certification by the engineer, the said field notes, and the survey and resurvey therein described, are hereby approved.

U.S. Supervisor of Surveys.

CERTIFICATE OF TRANSCRIPT

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

U.S. Supervisor of Surveys.