

3091

Book "E."

4-679

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BOOK 3091

FIELD NOTES

OF THE SURVEY OF THE

SOUTH BOUNDARY OF TOWNSHIP 23 NORTH, RANGE 12 W.,

and

SUBDIVISION LINES

of

TOWNSHIP 22 NORTH, RANGE 12 WEST,

3091

3091

Of the Gila and Salt River Base and Meridian,*

In the State of Arizona.

EXECUTED BY

Walter D. Long, U. S. Surveyor,

and

James C. Hooper, U. S. Transitman,

~~In the capacity of U. S. Surveyor~~, under instructions dated February 23, 1915,
issued by the United States Surveyor General to govern surveys included in
Group No. 51, which were approved by the Commissioner of the General Land
Office, March 3, 1915.

Survey commenced April 7, 1916.

Survey completed April 29, 1916.

Executed under Assignment
Instructions dated November 29, 1915.

1A

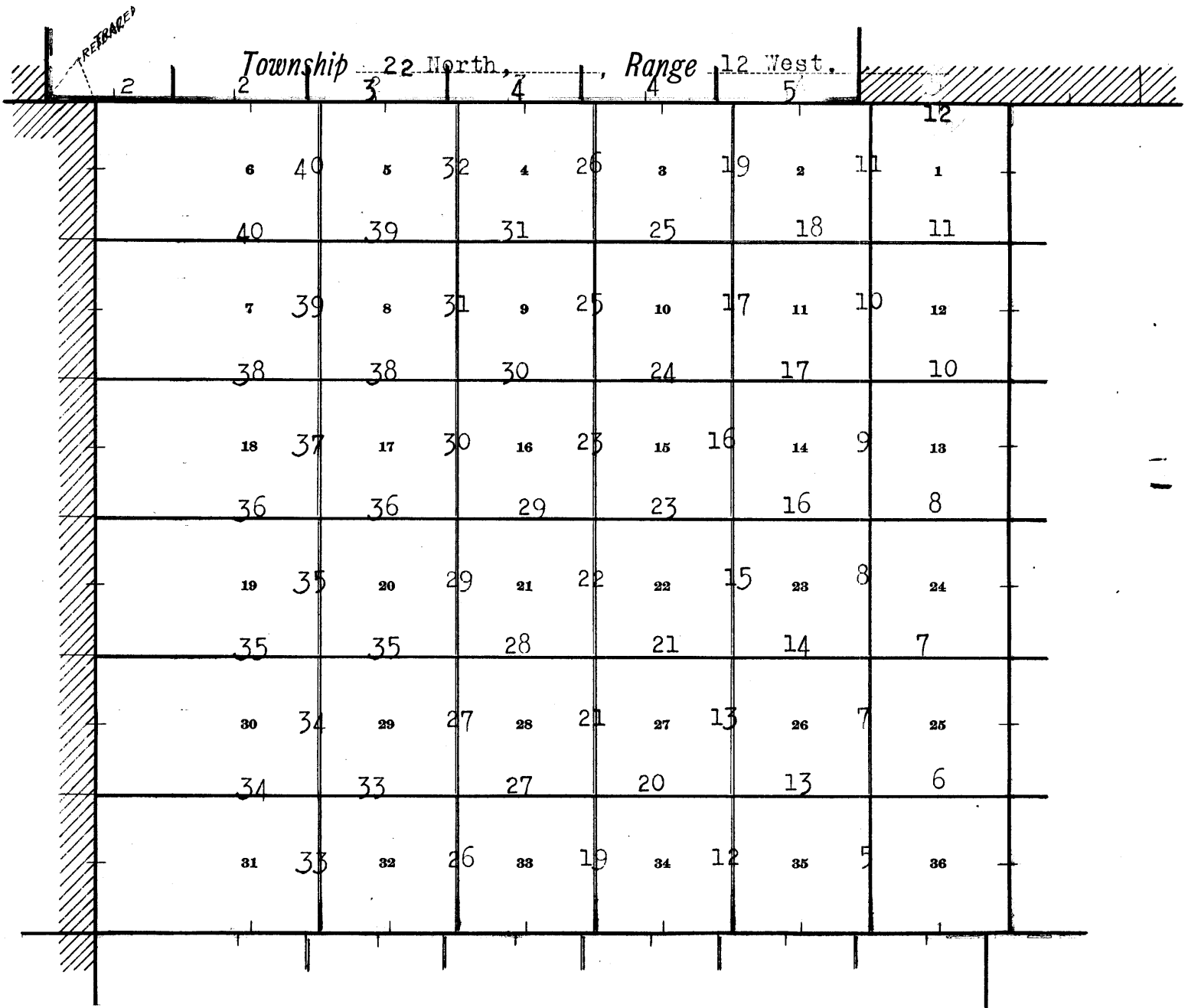
3091






Book "E."

Group 51 - - - Arizona.

BOOK 3091

INDEX DIAGRAM.



-  Subdivision lines surveyed under this group.
-  Township lines surveyed under this group.
-  Township lines resurveyed or retraced under this group.
-  Accepted surveys.
-  Areas surveyed as, per accepted plats on file.

S. bdy., T. 23 N., R. 12 W.,
and
Subdivision of T. 22 N., R. 12 W.

13

Chains

Survey executed jointly by Walter D. Long, U. S. Surveyor,
and James C. Hooper, U. S. Transitman.

The instruments used are described, with record of approval by the assistant supervisor of surveys, and field tests, in Book A. Further tests follow herein.

Polaris Observation.-- Walter D. Long, Observer.

Apr. 15, 1916.

At my camp, near the SW. cor. of sec. 22, in latitude $35^{\circ}16' N.$, longitude $113^{\circ}32' W.$, at 5h 50m, p.m., l.m.t., I observe Polaris at western elongation, in accordance with instructions in the Manual, and mark a point in the line thus determined by a nail driven in a wooden stake 5 chs. N. of my station.

Apr. 16, 1916.

At 7h 00m, a.m., I lay off the azimuth of Polaris, $1^{\circ}23\frac{1}{2}'$ to the E., and mark the meridian thus established by a nail driven in a wooden stake firmly set in the ground E. of the point set last night.

Tests of Instruments Numbers 8299 and 8540
(by Long and Hooper.)

Apr. 16, 1916.

We examine the adjustments of the instruments and correct the level and collimation errors. Then, to test the solar apparatus, we proceed as follows:

We place both instruments in the meridian determined by the Polaris observation, hereinabove described, and at 8h 00m, a.m., l.m.t., set off $35^{\circ}16'$ on the lat. arcs; $10^{\circ}10\frac{1}{2}' N.$ on the decl. arcs, and determine meridians with the solars, which agree within less than $01'$ of arc, with the result secured by the Polaris observation.

At 4h 00m, p.m., l.m.t., we set off $35^{\circ}16'$ on the lat. arcs; $10^{\circ}17\frac{1}{2}' N.$ on the decl. arcs, and determine a meridian with the solars, which agrees with the results previously obtained within less than $01'$ of arc.

From the above comparison of the results of a.m. and p.m. solars with the meridian determined by the Polaris observation, it is concluded that the instruments are in satisfactory adjustment.

Magnetic Declination.

The magnetic bearing of the true meridian, at 8h 00m, a.m., l.m.t., is $N.13^{\circ}45' W.$ The angle thus determined gives for the magnetic declination, $13^{\circ}45' E.$

S. Bdy., T. 23 N., R. 12 W.

From the cor. of Tps. 22 and 23 N., Rs. 11 and 12 W., which is an iron post, 3 ins. diam., with brass cap, marked, set, and witnessed as described by the surveyor general, which I change to pertain solely to Tps. 23 N., Rs. 11 and 12 W., by effacing the marks relating to area S. of Tp. line and obliterating marks on bearing trees S. of line:

West, on a random line, on S. bdy. of T. 23 N., R. 12 W., setting temp. cors. at intervals of 40 chs.
Fall 26 lks. N. of old closing cor. of Tps. 22 N., Rs. 12 and 13 W., which is an iron post, 3 ins. diam.,

446.27

Chains

with brass cap, marked, set, and witnessed as described by the surveyor general.
 480.47 Fall 28 lks. N. of the cor. of Tps. 23 N., Rs. 12 and 13 W., which is a granite stone, 18x12x10 ins. above ground, marked and witnessed as described by the surveyor general.

This falling answers to a correction of 02' of arc, or 4 2/3 lks. S. per mile. The true return course is therefore N.89°58'E.

Thence N.89°58'E., on S. bdy. of sec. 31, over mountainous land, through scattering timber and undergrowth. Asc. 85 ft.

9.85 Ridge bears N. and S. Desc.
 14.60 Enter heavy timber.
 26.90 Wash, 265 ft. below ridge, 25 lks. wide, 4 ft. deep, course N. Leave dense timber, which becomes scattering. Asc.
 34.20 The closing cor. of Tps. 22 N., Rs. 12 and 13 W., hereinbefore described.
 36.25 Spur, 210 ft. above wash, slopes N. Desc.
 40.47 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, surrounded by a mound of stone, for 1/4 sec. cor. of sec. 31, with brass cap, marked

1831

1916

from which

A cedar, 14 ins. diam., bears N.44°55'W., 101 lks. dist., marked 1/4 S31 BT, and

A piñon, 12 ins. diam., bears N.41°05'E., 204 lks. dist., marked 1/4 S31 BT.

Impracticable to set post farther in the ground.

45.25 Wash, 10 lks. wide, 3 ft. deep, course N.20°W. (130 ft. below spur). Asc. 315 ft.
 58.70 Ridge bears N. and S. Desc.
 59.40 Edge of bluffs bearing N. and S. Desc.
 62.80 Foot of bluffs, 160 ft. high. Continue descent.
 76.15 Wash, 460 ft. below ridge, 20 lks. wide, 3 ft. deep, course North. Asc. 120 ft.
 80.47 Set an iron post, 3 ft. long, 3 ins. diam., 18 ins. in the ground, surrounded by a mound of stone, for cor. of secs. 31 and 32, with brass cap, marked

T23N | R12W
S31 | S32

1916

from which

A pine, 6 ins. diam., bears N.21°20'E., 42 lks. dist., marked T23N R12W S32 BT, and

A pine, 6 ins. diam., bears N.29°25'W., 76 lks. dist., marked T23N R12W S31 BT.

Impracticable to set post farther in the ground.

Land, mountainous.

Soil, rocky; 4th rate.

Timber, cedar and piñon pine.

Undergrowth, scrub oak.

Grass, poor.

N.89°58'E., on S. bdy. of sec. 32, over mountainous land, through cedar and pinon timber and scrub oak undergrowth. Asc. steep W. slope.
 28.70 Foot of bluffs, 200 ft. high, bearing NW. and SE.
 30.65 Top of same, on sharp, rocky spur sloping N. Asc. 60 ft.
 34.95 Edge of bluffs, 145 ft. high, on ridge bearing N. and S. Desc. over bluffs.
 37.87 Foot of same.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, surrounded by a mound of stone, for 1/4 sec. cor. of sec. 32, with brass cap, marked

Chains

1/4 S32

1916

from which

A piñon, 6 ins. diam., bears N.59°10'W., 42 lks. dist., marked 1/4 S32 BT,

No other trees within limits. Raise a mound of stone, 4 ft. base, 3 ft. high, N. of cor.

44.47

Old trail bears N. and S.

55.85

Wash, 520 ft. below bluff, 12 lks. wide, 3 ft. deep, course N.20°E.

Enter dense timber, and asc. 45 ft.

64.15

Spur slopes N.

69.92

Wash, 12 lks. wide, 2 ft. deep, course N.60 ° W.

Leave dense timber, and asc. 190 ft., to

80.00

Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of secs. 32 and 33, with brass cap, marked

T23N | R12W
S32 | S33

1916

from which

A piñon, 4 ins. diam., bears N.23°40'E., 279 lks. dist., marked T23N R12W S33 BT, and

A piñon, 10 ins. diam., bears N.19°35'W., 420 lks. dist., marked T23N R12W S32 BT.

Land, mountainous.

Soil, rocky; 4th rate.

Timber, cedar and piñon.

Undergrowth, scrub oak.

N.89°58'E., on S. bdy. of sec. 33, over mountainous land, through dense undergrowth. Asc. 100 ft.

9.70

Ridge bears N. and S. Desc.

14.50

Enter dense timber.

28.50

Wash, 420 ft. below ridge, 15 lks. wide, 3 ft. deep, course N. Asc. 30 ft.

33.00

Spur slopes N.

34.60

Wash, 8 lks. wide, 2 ft. deep, course NW. Asc.

38.00

Leave dense timber, bearing N. and S. Timber becomes scattering.

39.10

Spur, 50 ft. above wash, slopes NW.

40.00

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor. of sec. 33, with brass cap, marked

1/4 S33

1916

from which

A cedar, 5 ins. diam., bears N.56°50'W., 71 lks. dist., marked 1/4 S33 BT.

No other trees within limits. Raise a mound of stone, 4 ft. base, 3 ft. high, N. of cor.

52.20

Wash, 8 lks. wide, 1 ft. deep, course NW. Asc. 30 ft.

56.00

Ridge, in saddle, bears N.30°E. and S.30°W. Desc. 15 ft.

57.70

Gulch, course N. Asc. 325 ft.

80.00

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

T23N | R12W
S33 | S34

1916

from which

A pine, 12 ins. diam., bears N.64°50'E., 188 lks. dist., marked T23N R12W S34 BT, and

A pine, 14 ins. diam., bears N.19°25'W., 380 lks. dist., marked T23N R12W S33 BT.

Land, mountainous.--Soil, rocky; 4th rate.

Timber, cedar and pinon.-- Undergrowth, oak and chamizo.

Grass, fair.

4

S. Bdy., T. 23 N., R. 12 W.

Chains

N.89°58'E., on S. bdy. of sec. 34,
 over mountainous land, through dense timber and under-
 growth. Asc. over steep NW. slope.
 12.15 Continue ascent over bluffs and boulders.
 24.50 Asc. gradually.
 28.50 Top of divide, 565 ft. above sec. cor., bears N.30°E. and
 S.30°W. Desc.
 32.40 Leave dense timber, which becomes scattering.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the
 ground, surrounded by a mound of stone, for $\frac{1}{4}$ sec. cor.
 of sec. 34, with brass cap, marked

$\frac{1}{4}$ S34

1916

from which
 A cedar, 10 ins. diam., bears N.33°15'E., 199 lks. dist.,
 marked $\frac{1}{4}$ S34 BT, and
 A cedar, 6 ins. diam., bears N.13°45'W., 63 lks. dist.,
 marked $\frac{1}{4}$ S34 BT.

Impracticable to set post farther in the ground.

67.00 Enter dense timber, bearing NE. and SW.
 80.00 (500 ft. below divide),
 Set an iron post, 3 ft. long, 3 ins. diam., 20 ins. in the
 ground, surrounded by a mound of stone, for cor. of secs.
 34 and 35, with brass cap, marked

T23N | R12W
S34 | S35

1916

from which
 A cedar, 12 ins. diam., bears N.7°25'W., 145 lks. dist.,
 marked T23N R12W S34BT, and
 A cedar, 8 ins. diam., bears N.16°40'E., 259 lks. dist.,
 marked T23N R12W S35 BT.

Impracticable to set post farther in the ground.

Land, mountainous.
 Soil, rocky; 4th rate.
 Timber, cedar and piñon.
 Undergrowth, scrub oak.
 Grass, fair.

N.89°58'E., on S. bdy. of sec. 35,
 over mountainous land, through dense timber and undergrowth.
 Desc. 15 ft. to
 3.75 Wash, 12 lks. wide, 3 ft. deep, course N.50°E.
 Asc. gradually.
 21.00 Ridge, 25 ft. above wash, bears NE. and SW. Desc. gradually.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor. of sec. 35, with brass cap, marked

$\frac{1}{4}$ S35

1916

from which
 A cedar, 12 ins. diam., bears N.9°30'W., 157 lks. dist.,
 marked $\frac{1}{4}$ S35 BT, and
 A pinon, 8 ins. diam., bears N.81°25'E., 42 lks. dist.,
 marked $\frac{1}{4}$ S35 BT.

44.43 Top of rim rock bearing N.60°W. and S.60°E. Desc.
 45.80 ft. of rim rock, 135 ft. high. continue descent along
 point of rocky ridge, through dense oak undergrowth.
 58.90 Gulch, 325 ft. below ridge, course NE., containing small
 stream, 1 ch. NE. of line. Asc. 180 ft.
 69.70 Ridge bears N.30°E. and S.30°W. Enter timber, bearing
 NE. and SW. Desc.
 75.35 Leave timber bearing N. and S.
 80.00 (160 ft. below ridge)
 Set an iron post, 3 ft. long, 3 ins. diam., 6 ins. in the
 ground, surrounded by a mound of stone, for cor. of secs.
 35 and 36, with brass cap, marked

Chains

T23N | R12W
S35 | S36

1916

from which
A cedar, 10 ins. diam., bears N.62°40'W., 230 lks. dist.,
marked T23N R12W S35 BT, and
A cedar, 12 ins. diam., bears N.12°45'E., 753 lks. dist.,
marked T23N R12W S36 BT.
Impracticable to set post farther in the ground.

Land, mountainous.
Soil, rocky; 4th rate.
Timber, cedar and piñon.
Undergrowth, scrub oak.
Grass, fair.

N.89°58'E., on S. bdy. of sec. 36,
over mountainous land, through dense undergrowth. Desc.
1.70 Enter timber, bearing N. and S.
3.75 Wash, 145 ft. below sec. cor., 25 lks. wide, 4 ft. deep,
course N.30°E. Asc. gradually.
26.65 Ridge, 160 ft. above wash, bears N.30°E. and S.30°W. Desc.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the
ground, surrounded by a mound of stone, for 1/4 sec. cor.
of sec. 36, with brass cap, marked

1/4 S36

1916

from which
A cedar, 8 ins. diam., bears N.77°05'W., 231 lks. dist.,
marked 1/4 S36 BT.
No other trees within limits. Raise a mound of stone,
2 ft. base, 1 1/2 ft. high, N. of cor.
Impracticable to set post farther in the ground.
43.05 Gulch, 170 ft. below ridge, course N.60°W. Asc. 180 ft.
54.00 Ridge bears N.10°W. and S.10°E. Asc. gradually.
80.00 The cor. of Tps. 23 N., Rs. 11 and 12 W., hereinbefore
described.

Land, mountainous.
Soil, rocky; 4th rate.
Timber, cedar.
Undergrowth, scrub oak.
Grass, fair.

Subdivision of T. 22 N., R. 12 W.

From the cor. of secs. 35 and 36, on S. bdy. of Tp.,
described in Book D,

N.0°01'W., bet. secs. 35 and 36,
over mountainous land, through cedar and piñon timber
and cedar and oak undergrowth.
5.30 Spur slopes SE.
20.95 Spur slopes S.60°E. Desc. 30 ft.
23.70 Gulch, course S.50°E. Asc.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the
ground, for 1/4 sec. cor., with brass cap, marked

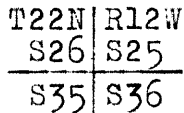
1/4
S35 | S36

1916

from which

Chains

A cedar, 8 ins. diam., bears N.57°E., 113 lks. dist., marked $\frac{1}{4}$ S36 BT, and
 A cedar, 8 ins. diam., bears N.73°55'W., 102 lks. dist., marked $\frac{1}{4}$ S35 BT.
 58.45 Ridge, 400 ft. above gulch, bears N.60°W. and S.60°E.
 Desc. 190 ft. on NW. slope.
 72.20 Wash, 30 lks. wide, 4 ft. deep, course N.15°E.
 75.10 Spur slopes E. Desc. 40 ft.
 78.22 Same wash, 30 lks. wide, 4 ft. deep, course N.20°W.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground, surrounded by a mound of stone, for cor. of secs. 25, 26, 35 and 36, with brass cap, marked



1916

from which

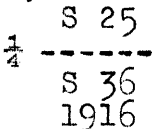
A piñon, 8 ins. diam., bears N.82°25'E., 260 lks. dist., marked T22N R12W S25 BT,
 A cedar, 8 ins. diam., bears S.1°45'E., 61 lks. dist., marked T22N R12W S36 BT,
 A piñon, 10 ins. diam., bears S.53°10'W., 105 lks. dist., marked T22N R12W S35 BT, and
 A cedar, 6 ins. diam., bears N.49°35'W., 162 lks. dist., marked T22N R12W S26.

Land, mountainous.

Soil, rocky; 4th rate.
 Timber, cedar and piñon.
 Undergrowth, cedar and scrub oak.
 Grass, poor.

40.00 S.89°55'E., on a random line, bet. secs. 25 and 36.
 Set temp. $\frac{1}{2}$ sec. cor.
 79.96 Intersect E. bdy. of Tp. at the cor. of secs. 25, 30, 31 and 36, described in Book C.

Thence N.89°55'W., on a true line, bet. secs. 25 and 36, over mountainous land, through cedar and piñon timber and scrub oak and chamizo undergrowth. Desc. 90 ft.
 6.00 Gulch, course S.20°E. Asc. 120 ft.
 16.30 Spur slopes N.
 19.60 Desc. 45 ft.
 26.75 Ravine, course N. Asc.
 39.98 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



from which

A cedar, 20 ins. diam., bears S.10°30'W., 179 lks. dist., marked $\frac{1}{4}$ S36 BT, and
 A cedar, 12 ins. diam., bears N.59°E., 138 lks. dist., marked $\frac{1}{4}$ S25 BT.
 69.25 Ridge, 340 ft. above ravine, bears N.20°W. and S.20°E. Desc.
 72.35 Leave dense timber, bearing N. and S. Thence through scat-timber.
 79.96 The cor. of secs. 25, 26, 35 and 36, (140 ft. below spur).

Land, mountainous,
 Soil, rocky; 3rd and 4th rate.
 Timber, cedar and piñon.
 Undergrowth, oak and chamizo.
 Grass, poor.

Chains

N.0°01'W., bet. secs. 25 and 26,
 over mountainous land, through scattering cedar and
 piñon timber and scrub oak undergrowth. Desc. 85 ft.

11.42 Wash, 25 lks. wide, 4 ft. deep, course NE.

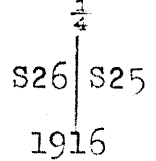
14.40 Low spur slopes N.60°E. Desc. 40 ft.

19.50 Wash, 10 lks. wide, 2 ft. deep, course E.

20.20 Low spur slopes E.

22.92 Wash, 25 lks. wide, 2 ft. deep, course SE., containing
 stream, 2 lks. wide, 4 ins. deep, asc. gradually on
 broken SW. slope.

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



from which

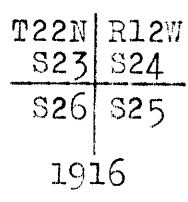
A piñon, 12 ins. diam., bears N.54°45'W., 82 lks. dist.,
 marked $\frac{1}{4}$ S26 BT, and

A piñon, 8 ins. diam., bears S.29°30'E., 106 lks. dist.,
 marked $\frac{1}{4}$ S25 BT.

65.98 Spur slopes S.80°E.

77.54 Wash, 20 lks. wide, 10 ft. deep, with granite walls,
 course S.60°E.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., in a mound of
 stone, for cor. of secs. 23, 24, 25 and 26, with brass
 cap, marked



from which

A piñon, 10 ins. diam., bears N.43°55'E., 189 lks. dist.,
 marked T22N R12W S24 BT,

A piñon, 5 ins. diam., bears S.13°55'E., 86 lks. dist.,
 marked T22N R12W S25 BT,

A piñon, 12 ins. diam., bears S.82°15'W., 167 lks. dist.,
 marked T22N R12W S26 BT, and

A piñon, 10 ins. diam., bears N.5°30'W., 155 lks. dist.,
 marked T22N R12W S23 BT.

Land, mountainous.
 Soil, rocky; 4th rate.
 Timber, cedar and piñon.
 Undergrowth, scrub oak.

40.00 S.89°55'E., on a random line, bet. secs. 24 and 25.
 Set temp. $\frac{1}{4}$ sec. cor.

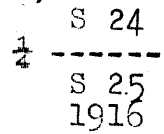
80.02 Intersect E. bdy. of Tp. 2 lks. S. of the cor. of secs.
 19, 24, 25 and 30, described in Book C.

Thence N.89°56'W., on a true line, bet. secs. 24 and 25,
 over broken and rolling land, through cedar and piñon
 timber and oak undergrowth.

4.10 Ridge bears N.20°W. and S.20°E. Desc. 65 ft.

15.90 Wash, 7 lks. wide, 1 ft. deep, course S.20°E.
 Asc. gradually.

40.01 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



from which

A piñon, 8 ins. diam., bears S.35°45'E., 74 lks. dist.,
 marked $\frac{1}{4}$ S25 BT, and

A piñon, 4 ins. diam., bears N.12°55'W., 37 lks. dist.,
 marked $\frac{1}{4}$ S24 BT.

Chains

43.79 Wash, course S.70°E.
Asc. 160 ft., over broken SE. slope.
70.00 Spur slopes S.20°E. Asc. 20 ft. on SE. slope, to
75.50 Desc. 50 ft., on SW. slope.
80.02 The cor. of secs. 23, 24, 25 and 26.

Land, broken and rolling mountainous.
Soil, rocky; 4th rate.
Timber, cedar and piñon.
Undergrowth, scrub oak and chamizo.
Grass, poor.

7.30 N.0°01'W., bet. secs. 23 and 24,
over mountainous land, through scattering cedar and piñon
timber and oak undergrowth. Asc. 60 ft.
12.92 Spur slopes E. Desc. 30 ft.
22.20 Head of wash, course S.20°E. Asc. 75 ft.
31.67 Ridge bears E. and W. Desc. 45 ft.
36.32 Wash, 15 lks. wide, 2 ft. deep, course SE.
39.80 Wash, 10 lks. wide, 2 ft. deep, course SE.
40.00 Leave timber, bearing NW. and SE.
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

	$\frac{1}{4}$	
S23	S24	
1916		

from which

A cedar, 18 ins. diam., bears S.43°10'W., 128 lks. dist.,
marked $\frac{1}{4}$ S23 BT, and
A cedar, 6 ins. diam., bears S.82°15'E., 156 lks. dist.,
marked $\frac{1}{4}$ S24 BT. Asc.

65.15 Enter timber, bearing E. and W.
67.75 Ridge, 460 ft. above $\frac{1}{2}$ sec. cor., bears N.70°W. and S.70°E.
Desc. gradually.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
ground, for cor. of secs. 13, 14, 23 and 24, with brass
cap, marked

T22N	R12W	
S14	S13	

S23	S24	
1916		

from which

A cedar, 12 ins. diam., bears N.13°05'E., 108 lks. dist.,
marked T22N R12W S13BT, and
A cedar, 10 ins. diam., bears S.27°25'E., 32 lks. dist.,
marked T22N R12W S24 BT,
A cedar, 14 ins. diam., bears S.75°45'W., 160 lks. dist.,
marked T22N R12W S23 BT, and
A cedar, 7 ins. diam., bears N.27°35'W., 99 lks. dist.,
marked T22N R12W S14 BT.

Land, mountainous.
Soil, rocky; 3rd and 4th rate.
Timber, cedar and piñon.
Undergrowth, chamizo and scrub oak.
Grass, poor.

40.00 S.89°56'E., on a random line, bet. secs. 13 and 24.
Set temp. $\frac{1}{2}$ sec. cor.
79.86 Intersect E. bdy. of Tp. 5 lks. S. of the cor. of secs.
13, 18, 19 and 24, described in Book C.

Thence N.89°58'W., on a true line, bet. secs. 13 and 24
over broken and mountainous land, through cedar timber
and oak undergrowth.

Chains

2.40 Wash, 12 lks. wide, 2 ft. deep, course N.50°E.
 14.85 Same wash, 10 lks. wide, 2 ft. deep, course S.60°E. Asc.
 39.93 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked

S 13

 $\frac{1}{4}$ -----

S 24

1916

from which

A cedar, 8 ins. diam., bears N.63°50'W., 88 lks. dist.,
 marked $\frac{1}{4}$ S13 BT, and

A cedar, 5 ins. diam., bears S.13°55'E., 243 lks. dist.,
 marked $\frac{1}{4}$ S24 BT.

Impracticable to set post farther in the ground. Raise
 a mound of stone around post.

Continue gradual ascent.

48.66 Wire fence, S. bdy. of H. B. Imus' pasture, bears N.50°W.,
 and S.50°E.

79.86 The cor. of secs. 13, 14, 23 and 24. (480 ft. above wash).

Land, broken and mountainous.

Soil, rocky; 4th rate.

Timber, cedar.

Undergrowth, scrub oak.

N.0°01'W., bet. secs. 13 and 14,
 over rolling mountainous land, through cedar and pinon
 timber, and oak undergrowth. Desc. E. slope.

12.00 Wire fence bears N.70°W. and S.70°E.

19.50 Gulch, 140 ft. below sec. cor., course N.70°E.

Asc. steep SE. slope.

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

 $\frac{1}{4}$

S14 | S13

1916

from which

A cedar, 20 ins. diam., bears S.17°45'E., 196 lks. dist.,
 marked $\frac{1}{4}$ S13 BT, and

A cedar, 12 ins. diam., bears S.6°20'W., 114 lks. dist.,
 marked $\frac{1}{4}$ S14 BT.

41.40 Ridge, 125 ft. above gulch, bears E. and W. Desc. gradually.

54.65 Wash, 55 lks. below ridge, 15 lks. wide, 2 ft. deep, course
 N.60°E. Asc. 45 ft.

61.45 Spur slopes E. Desc. 160 ft.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the
 ground, surrounded by a mound of stone, for cor. of secs.
 11, 12, 13 and 14, with brass cap, marked

T22N | R12W

S11 | S12

S14 | S13

1916

from which

A cedar, 12 ins. diam., bears N.87°20'E., 99 lks. dist.,
 marked T22N R12W S12 BT,

A cedar, 10 ins. diam., bears S.20°E., 171 lks. dist.,
 marked T22N R12W S13 BT,

A cedar, 7 ins. diam., bears S.56°20'W., 136 lks. dist.,
 marked T22N R12W S14 BT, and

A cedar, 14 ins. diam., bears N.17°25'W., 41 lks. dist.,
 marked T22N R12W S11 BT.

Impracticable to set post farther in the ground.

Land, rolling mountainous.

Soil, rocky; 4th rate.

Timber, cedar and pinon.

Undergrowth, chamizo and scrub oak.

Grass, fair.

Chains

40.00 S.89°58'E., on a random line, bet. secs. 12 and 13.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.96 Intersect E. bdy. of Tp. 5 lks. N. of the cor. of secs.
 7, 12, 13 and 18, described in Book C.

15.50 Thence N.89°56'W., on a true line, bet. secs. 12 and 13,
 over rolling land, through cedar and piñon timber and
 chamizo and oak undergrowth. Asc. gradually.
 Top of rise, 65 ft. above sec. cor., bears N.70°E. and
 S.70°W.

39.98 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 12
 $\frac{1}{4}$ -----
 S 13
 1916

from which

A cedar, 8 ins. diam., bears N.27°15'E., 57 lks. dist.,
 marked $\frac{1}{4}$ S12 BT, and

A cedar, 14 ins. diam., bears S.53°35'W., 73 lks. dist.,
 marked $\frac{1}{4}$ S13 BT.

Asc. gradually, 225 ft.

79.96 The cor. of secs. 11, 12, 13 and 14.

Land, rolling.
 Soil, rocky; 3rd and 4th rate.
 Timber, cedar and piñon.
 Undergrowth, chamizo and scrub oak.
 Grass, fair.

N.0°01'W., bet. secs. 11 and 12,
 over rolling mountainous land, through cedar timber and
 oak undergrowth. Desc. 85 ft.

7.90 Wash, 12 lks. wide, 2 ft. deep, course E. Asc. gradually.

21.00 Ridge, 50 ft. above wash, bears N.60°E. and S.60°W.
 Desc. 185 ft.

36.53 Wash, 20 lks. wide, 5 ft. deep, course NE. Asc.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the
 ground, surrounded by a mound of stone, for $\frac{1}{4}$ sec. cor.,
 with brass cap, marked

$\frac{1}{4}$
 S11 | S12
 1916

from which

A cedar, 16 ins. diam., bears N.86°20'E., 173 lks. dist.,
 marked $\frac{1}{4}$ S12 BT, and

A cedar, 10 ins. diam., bears S.10°05'W., 350 lks. dist.,
 marked $\frac{1}{4}$ S11 BT.

Impracticable to set post farther in the ground.

45.00 Spur, 30 ft. above wash, slopes N.60°E. Desc. 30 ft.

50.55 Wash, 20 lks. wide, 2 ft. deep, course S.50°E. Asc. 85 ft.

67.85 Spur slopes E.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 1, 2, 11 and 12, with brass
 cap, marked

T22N | R12W
 S2 | S1

 S11 | S12
 1916

from which

A cedar, 10 ins. diam., bears N.26°35'E., 238 lks. dist.,
 marked T22N R12W S1 BT,

A cedar, 8 ins. diam., bears S.70°05'E., 237 lks. dist.,
 marked T22N R12W S12 BT,

A cedar, 8 ins. diam., bears S.76°30'W., 242 lks. dist.,
 marked T22N R12W S11 BT, and

Subdivision of T. 22 N., R. 12 W.

Chains

A cedar, 6 ins. diam., bears N.78°20'W., 216 lks. dist., marked T22N R12W S2 BT.

Land, rolling.
Soil, rocky; 3rd rate and 4th rate.
Timber, cedar and piñon.
Undergrowth, chamizo and scrub oak.
Grass, fair.

40.00
80.00

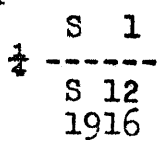
S.89°56'E., on a random line, bet. secs. 1 and 12.
Set temp. 1/4 sec. cor.
Intersect E. bdy. of Tp. 5 lks. S. of the cor. of secs. 1, 6, 7 and 12, described in Book C.

17.60
29.45
29.70

Thence N.89°58'W., on a true line, bet. secs. 1 and 12, over rolling mountainous land, through cedar and piñon timber and chamizo and oak undergrowth. Asc. 100 ft.
Ridge bears N.20°E. and S.20°W. Desc.
Wire fence, N. bdy. of H. B. Imus' pasture, bears NW. and SE.
Wash, 70 ft. below ridge, 8 lks. wide, 1 ft. deep, course N.15°E. Asc. 45 ft.

34.00
38.00
40.00

Spur slopes NE. Desc. 60 ft.
Wash, 25 lks. wide, 4 ft. deep, course N., containing stream 2 lks. wide, 2 ins. deep. Asc.
Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, surrounded by a mound of stone, for 1/4 sec. cor., with brass cap, marked



from which
A piñon, 12 ins. diam., bears S.4°40'W., 174 lks. dist., marked 1/4 S12 BT, and
A cedar, 6 ins. diam., bears N.48°40'W., 89 lks. dist., marked 1/4 S1 BT.
Impracticable to set post farther in the ground.

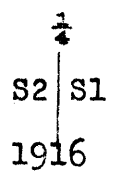
41.30
42.30
80.00

Low spur slopes NE.
Wash, 12 lks. wide, 2 ft. deep, course NE. Asc. gradually, 280 ft., to
The cor. of secs. 1, 2, 11 and 12.

Land, rolling mountainous.
Soil, rocky; 3rd and 4th rate.
Timber, cedar and piñon.
Undergrowth, chamizo and scrub oak.
Grass, fair;

7.50
27.62
40.00

N.0°01'W., on a true line, bet. secs. 1 and 2, over rolling mountainous land, through cedar and piñon timber and chamizo and scrub oak undergrowth. Asc. 35 ft.
Ridge bears N.60°E. and S.60°W. Desc.
Wire fence, N. bdy. of H. B. Imus' pasture, bears N.30°E. and S.30°W.
Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, in a mound of stone, for 1/4 sec. cor., with brass cap, marked



from which
A cedar, 10 ins. diam., brs. N.5°40'E., 76 lks. dist., marked 1/4 S1 BT.

Chains

A cedar, 12 ins. diam., brs. S.52 $\frac{1}{2}$ °W., 112 lks. dist., marked $\frac{1}{4}$ S2 BT.
 59.15 Wash, 350 ft. below ridge, 7 lks. wide, 1 ft. deep, course N.60°W.
 64.00 Enter dense timber, bearing NW. and SE.
 77.50 Top of rise, 25 ft. above wash, bears S.25°E. and N.
 87.00 Top of rise bears N.10°E. and S.10°W.
 91.99 Intersect N. bdy. of Tp. 4.77 chs. S.89°52'E. of the cor. of Tps. 23N., Rs. 11 and 12 W., hereinbefore described.

At point of intersection

Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground, surrounded by a mound of stone, for closing cor. of secs. 1 and 2, with brass cap, marked

T23N R11W
 S31

 S2 | S1
 T22N | R12W
 C | C
 1916

from which

A cedar, 18 ins. diam., bears S.34°30'E., 195 lks. dist., marked T22N R12W S1 BT, and
 A cedar, 18 ins. diam., bears S.45°05'W., 123 lks. dist., marked T22N R12W S2 BT.

Land, rolling mountainous.

Soil, rocky; 4th rate.
 Timber, cedar and piñon.
 Undergrowth, chamizo and scrub oak.
 Grass, fair.

At a point midway bet. the closing cor. of secs. 1 and 2 and the closing cor. of Tps. 22 N., Rs. 11 and 12 W., described in Book C, which is 40.02 chs. S.89°52'E. of the closing cor. of secs. 1 and 2, and 40.02 chs. N.89°52'W., of the closing cor. of Tps. 22 N., Rs. 11 and 12 W., I establish $\frac{1}{4}$ sec. cor. for sec. 1 as follows:
 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

$\frac{1}{4}$ S 1
 1916

from which

A cedar, 12 ins. diam., bears S.42°40'E., 322 lks. dist., marked $\frac{1}{4}$ S1 BT, and
 A cedar, 16 ins. diam., bears S.41°20'W., 100 lks. dist., marked $\frac{1}{4}$ S1 BT.
 Impracticable to set post farther in the ground.

From the cor. of secs. 34 and 35, on S. bdy. of Tp., described in Book D,

N.0°01'W., bet. secs. 34 and 35, over mountainous land, through cedar and piñon timber and oak undergrowth.

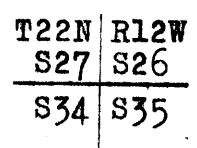
2.00 Desc. 40 ft.
 5.35 Wash, 15 lks. wide, 1 ft. deep, course E. Asc. 220 ft.
 19.00 Ridge bears E. and W. Desc. 120 ft., on NW. slope.
 34.88 Wash, 20 lks. wide, 4 ft. deep, course E. Asc.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked

$\frac{1}{4}$
 S34 | S35
 1916

Subdivision of T. 22 N., R. 12 W.

Chains

from which
 A pinon, 10 ins. diam., bears S.74°30'E., 38 lks. dist., marked $\frac{1}{4}$ S35 BT, and
 A cedar, 7 ins. diam., bears S.56°W., 41 lks. dist., marked $\frac{1}{4}$ S34 BT.
 Impracticable to set post farther in the ground. Raise a mound of stone around same.
 75.10 Ridge, 275 ft. above wash, bears NW. and SE.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground, for cor. of secs. 26, 27, 34 and 35, with brass cap, marked



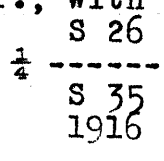
1916

from which
 A cedar, 16 ins. diam., bears N.44°15'E., 233 lks. dist., marked T22N R12W S26 BT,
 A cedar, 14 ins. diam., bears S.14°30'E., 163 lks. dist., marked T22N R12W S35 BT,
 A cedar, 8 ins. diam., bears S.52°20'W., 164 lks. dist., marked T22N R12 W S34 BT, and
 A cedar, 5 ins. diam., bears N.53°00'W., 242 lks. dist., marked T22N R12W S27 BT.
 Impracticable to set post farther in the ground.

Land, mountainous.
 Soil, rocky; 4th rate.
 Timber, cedar and pinon.
 Undergrowth, chamizo and scrub oak.

40.00 S.89°55'E., on a random line, bet. secs. 26 and 35.
 79.94 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line 2 lks. S. of the cor. of secs. 25, 26, 35 and 36.

Thence N.89°56'W., on a true line, bet. secs. 26 and 35, over rolling mountainous land, through timber and undergrowth. Desc. NW. slope.
 .70 Wash, 30 lks. wide, 3 ft. deep, course N.20°W. Asc. 200 ft.
 13.00 Top of spur from N.75°W., slopes SE. Desc. 65 ft.
 19.35 Head of ravine, course N. Asc. 40 ft.
 32.20 Spur slopes SE. Asc. gradually, along S. side of spur.
 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



from which
 A cedar, 12 ins. diam., bears S.32°02'E., 519 lks. dist., marked $\frac{1}{4}$ S35 BT, and
 A cedar, 12 ins. diam., bears N.53°40'W., 440 lks. dist., marked $\frac{1}{4}$ S26 BT.
 75.40 Wash, 200 ft. above 32.20 ch. pt., 6 lks. wide, 1 ft. deep, course S.10°E. Asc.
 79.94 The cor. of secs. 26, 27, 34 and 35.

Land, rolling mountainous.
 Soil, rocky; 3rd and 4th rate.
 Timber, cedar and piñon.
 Undergrowth, chamizo, palo verde and scrub oak.

N.0°01'W., bet. secs. 26 and 27, over mountainous land, through cedar and pinon timber and scrub oak undergrowth. Asc. 225 ft.

14

Subdivision of T. 22 N., R. 12 W.

Chains

17.60 Main divide bears N.15°E. and SW. Desc. 30 ft.
 22.60 Same divide, at bend, bears S.15°E. and N.15°E. Desc. 150 ft.
 32.20 Same divide bears S.15°E. and N.15°W. Desc. 15 ft.
 38.30 Same divide bears NE. and SW.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap, marked

S27	S26
-----	-----

1916

from which

A piñon, 8 ins. diam., bears S.27°10'E., 97 lks. dist., marked $\frac{1}{4}$ S26 BT, and

A piñon, 10 ins. diam., bears S.62°W., 159 lks. dist., marked $\frac{1}{4}$ S27 BT.

Impracticable to set post farther in the ground.

47.55 Same divide, in saddle, 180 ft. below 38.30 ch. pt., bears N.20°W. and S.20°E. Asc. SE. slope, over granite boulders, 260 ft., to

66.90 Spur sloping E. desc. 205 ft.

78.15 Ascend.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, surrounded by a mound of stone, for cor. of secs. 22, 23, 26 and 27, with brass cap, marked

T22N	R12W
S22	S23

S27	S26
-----	-----

1916

from which

A piñon, 14 ins. diam., bears N.45°25'E., 124 lks. dist., marked T22N R12W S23 BT,

A piñon, 6 ins. diam., bears S.10°40'E., 198 lks. dist., marked T22N R12W S26 BT,

A piñon, 14 ins. diam., bears S.5°35'W., 162 lks. dist., marked T22N R12W S27 BT, and

A cedar, 6 ins. diam., bears N.12°10'W., 82 lks. dist., marked T22N R12W S22 BT.

Impracticable to set post farther in the ground.

Land, mountainous and broken.

Soil, rocky; 4th rate.

Timber, cedar and piñon.

Undergrowth, scrub oak.

Grass, fair.

40.00 S.89°56'E., on a random line, bet. secs. 23 and 26.
 Set temp. $\frac{1}{4}$ sec. cor.

79.88 Intersect N. and S. line 3 lks. N. of the cor. of secs. 23, 24, 25 and 26.

Thence N.89°55'W., on a true line, bet. secs. 23 and 26, over broken land, through cedar and piñon timber and scrub oak undergrowth.

.23 Wash, 30 lks. wide, 10 ft. deep, course S.30°E.

29.25 Ridge bears N.30°W. and S.30°E. Desc. 30 ft.

35.25 Wash, 8 lks. wide, 1 ft. deep, course S.

39.94 Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap, marked

S 23

$\frac{1}{4}$	-----
---------------	-------

S 26

1916

from which

A piñon, 10 ins. diam., bears N.79°05'E., 69 lks. dist., marked $\frac{1}{4}$ S23 BT, and

A piñon, 8 ins. diam., bears S.76°50'E., 55 lks. dist., marked $\frac{1}{4}$ S26 BT.

Subdivision of T. 22 N., R. 12 W.

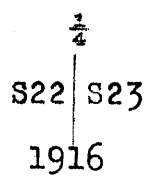
Chains

43.25 Impracticable to set post in the ground.
 45.45 Spur, 65 ft. above wash, slopes S. Desc. 30 ft.
 57.83 Wash, 10 lks. wide, 1 ft. deep, course S. Asc. 355 ft.
 71.72 Ridge bears NW. and SE. Desc. 120 ft.
 79.88 Wash, 20 lks. wide, 2 ft. deep, course SE. Asc. 52 ft.
 The cor. of secs. 22, 23, 26 and 27:

Land, broken and mountainous.
 Soil, rocky; 3rd and 4th rate.
 Timber, cedar and piñon.
 Undergrowth, scrub oak.
 Grass, fair.

N.0°01'W., bet. secs. 22 and 23.
 Asc. gradually, to

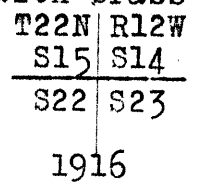
1.00 Main divide bears NE. and S.20°W. Desc. 135 ft., over steep, broken NW. slope, through scattering cedar and pine timber and dense scrub oak and chamizo undergrowth.
 8.43 Head of wash, course W. Asc. 20 ft.
 10.68 Spur slopes W. Desc. 290 ft.
 24.40 Wash, 8 lks. wide, 2 ft. deep, course N.60°W. Asc. 40 ft.
 26.55 Spur slopes N.70°W. Desc. 76 ft.
 31.20 Wash, 15 lks. wide, 6 ft. deep, course S.60°W. Asc. 55 ft.
 34.05 Spur slopes S.50°W. Desc.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, on solid rock, for $\frac{1}{4}$ sec. cor., with brass cap, marked



from which
 A piñon, 6 ins. diam., bears S.71°05'W., 292 lks. dist., marked $\frac{1}{4}$ S22 BT, and
 A cedar, 7 ins. diam., bears N.2°00'E., 394 lks. dist., marked $\frac{1}{4}$ S23 BT.

40.20 Wash, 40 ft. below spur, 20 lks. wide, 10 ft. deep, course SW., containing stream, 2 lks. wide, 3 ins. deep,
 High peak bears N.35°40'W.; vertical angle +25°30'.
 Asc. 650 ft.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground, surrounded by a mound of stone, for cor. of secs. 14, 15, 22 and 23, with brass cap, marked



from which
 A piñon, 14 ins. diam., bears N.42°35'E., 166 lks. dist., marked T22N R12W S14 BT,
 A cedar, 14 ins. diam., bears S.59°10'E., 135 lks. dist., marked T22N R12W S23 BT,
 A cedar, 5 ins. diam., bears S.53°35'W., 143 lks. dist., marked T22N R12W S22 BT, and
 A cedar, 5 ins. diam., bears N.36°15'W., 70 lks. dist., marked T22N R12W S15 BT.
 Impracticable to set post farther in the ground.

Land, mountainous.
 Soil, rocky; 4th rate.
 Timber, cedar and piñon.
 Undergrowth, scrub oak.
 Grass, poor.

Chains

40.00 S.89°55'E., on a random line, bet. secs. 14 and 23.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.96 Intersect N. and S. line 2 lks. N. of the cor. of secs.
 13, 14, 23 and 24.

Thence N.89°54'W., on a true line, bet. secs. 14 and 23.
 Asc. 200 ft, on general E. slope, through timber and
 undergrowth.

32.00 Ridge bears N.60°W. and S.60°E. Thence over broken E.
 and SE. slopes.

39.98 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the
 ground, surrounded by a mound of stone, for $\frac{1}{4}$ sec. cor.,
 with brass cap, marked

S 14
 $\frac{1}{4}$ -----
 S 23
 1916

from which

A cedar, 16 ins. diam., bears S.62°10'W., 208 lks. dist.,
 marked $\frac{1}{4}$ S23 BT, and

A cedar, 8 ins. diam., bears N.78°15'E., 252 lks. dist.,
 marked $\frac{1}{4}$ S14 BT.

63.00 Main divide bears NE. and SW. Desc. 255 ft.

75.85 Wash, 12 lks. wide, 4 ft. deep, course S. Asc.

78.75 Leave dense timber, which becomes scattering.

79.96 (80 ft. above wash)

The cor. of secs. 14, 15, 22 and 23.

Land, mountainous.

Soil, rocky; 3rd and 4th rate.

Timber, cedar and pinon.

Undergrowth, scrub oak.

Grass, fair.

N.0°01'W., bet. secs. 14 and 15,
 over mountainous land, through scattering timber and
 undergrowth. Asc. 210 ft.

14.60 Ridge bears N.25°E. and S.25°W. Desc.

18.10 N. B. Tyree's house bears N.71°30'W.

18.45 Leave timber, bearing NE. and SW.

19.77 Brush fence, around rim rock, bears NE. and SW.

29.20 Gulch, 230 ft. below ridge, course W. Asc.

36.07 Top of cliff bears NW. and SE. Brush fence around edge.

40.00 On ridge, 200 ft. above gulch, bearing NW. and SE.,

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

$\frac{1}{4}$
 S15 | S14
 1916

from which

A cedar, 28 ins. diam., bears N.62°E., 81 lks. dist.,
 marked $\frac{1}{4}$ S14 BT, and

A cedar, 16 ins. diam., bears S.10°35'W., 39 lks. dist.,
 marked $\frac{1}{4}$ S15 BT.

Desc.

53.70 Top of rim rock, 20 ft. high, bears NE. and S.20°W.

57.05 Gulch, 190 ft. below $\frac{1}{4}$ sec. cor., course W. Asc. 180 ft.

68.50 Spur slopes N.60°W. Desc. gradually, 45 ft.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 10, 11, 14 and 15, with brass
 cap, marked

T22N | R12W
 S10 | S11

 S15 | S14
 1916

from which

Subdivision of T. 22 N., R. 12 W.

Chains

A cedar, 20 ins. diam., bears N.79°05'E., 496 lks. dist.,
 marked T22N R12W S11 BT,
 A cedar, 14 ins. diam., bears S.43°30'E., 573 lks. dist.,
 marked T22N R12W S14 BT,
 A cedar, 12 ins. diam., bears S.46°30'W., 201 lks. dist.,
 marked T22N R12W S15 BT, and
 A cedar, 16 ins. diam., bears N.11°45'W., 289 lks. dist.,
 marked T22N R12W S10 BT.

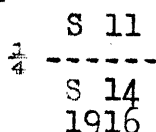
Land, mountainous.
 Soil, rocky; 4th rate.
 Timber, cedar.
 Undergrowth, chamizo, catclaw and scrub oak.
 Grass, fair.

40.00
79.94

S.89°54'E., on a random line, bet. secs. 11 and 14.
 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line at the cor. of secs. 11, 12,
 13 and 14.

25.25
33.62
39.97

Thence N.89°54'W., on a true line, bet. secs. 11 and 14,
 over mountainous land, through scattering timber and
 undergrowth. Asc. 170 ft.
 Ridge bears N.60°E. and S.60°W. Desc. 25 ft.
 Wash, 8 lks. wide, 2 ft. deep, course N.60°E. Asc.
 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the
 ground, surrounded by a mound of stone, for $\frac{1}{4}$ sec. cor.,
 with brass cap, marked



from which
 A piñon, 10 ins. diam., bears S.23°25'W., 94 lks. dist.,
 marked $\frac{1}{4}$ S14 BT, and
 A piñon, 12 ins. diam., bears N.7°45'E., 73 lks. dist.,
 marked $\frac{1}{4}$ S11 BT.

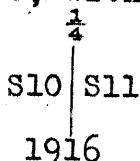
48.50
55.93
64.60
79.94

Impracticable to set post farther in the ground.
 Ridge, 340 ft. above wash, bears N. and S. Desc. 100 ft.
 Head of wash, course N. Asc. 110 ft.
 Ridge bears N.30°W. and S.30°E. Desc. 145 ft.
 The cor. of secs. 10, 11, 14 and 15.

Land, mountainous.
 Soil, rocky; 4th rate.
 Timber, cedar and piñon.
 Undergrowth, chamizo and scrub oak.
 Grass, fair.

6.37
9.15
11.35
23.40
38.86
40.00

N.0°01'W., bet. secs. 10 and 11.
 Desc. 150 ft., on N. slope, through timber and undergrowth.
 Wash, 10 lks. wide, 2 ft. deep, course W. Asc, 30 ft.
 Spur slopes W.
 Head of wash, course S.30°W. Asc. 60 ft.
 Main divide bears E. and W. Desc.
 Wire fence bears N.60°E. and S.60°W.
 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



from which
 A cedar, 16 ins. diam., bears N.13°20'E., 16 lks. dist.,
 marked $\frac{1}{4}$ S11 BT, and

Chains

- A cedar, 6 ins. diam., bears S.6°40'W., 88 lks. dist., marked $\frac{1}{4}$ S10 BT.
- 42.80 Wash, 170 ft. below divide, 12 lks. wide, 2 ft. deep, course N.70°E. Asc. 30 ft.
- 46.99 Spur slopes N.60°E. Desc.
- 53.95 Leave dense timber; thence through scattering timber.
- 64.43 Bottom of gulch, 250 ft. below spur, 50 lks. wide, on bottom, course N. comes from SE. Thence down bed of gulch.
- 66.00 Leave same, course N.60°W. Desc. along E. side, 130 ft., to
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground, surrounded by a mound of stone, for cor. of secs. 2, 3, 10 and 11, with brass cap, marked.

T22N	R12W
S3	S2

S10	S11
-----	-----

1916

from which

- A cedar, 8 ins. diam., bears N.24°45'E., 106 lks. dist., marked T22N R12W S2 BT,
- A cedar, 20 ins. diam., bears S.74°40'E., 256 lks. dist., marked T22N R12W S11 BT,
- A cedar, 24 ins. diam., bears S.32°50'W., 170 lks. dist., marked T22N R12W S10 BT, and
- A cedar, 10 ins. diam., bears N.48°55'W., 193 lks. dist., marked T22N R12W S3 BT.
- Impracticable to set post farther in the ground.

Land, mountainous.

Soil, rocky; 4th rate.

Timber, cedar and scattering piñon.

Undergrowth, chamizo and scrub oak.

Grass, fair.

- S.89°54'E., on a random line, bet. secs. 2 and 11.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.06 Intersect N. and S. line 9 lks. N. of the cor. of secs. 1, 2, 11 and 12.

- Thence N.89°50'W., on a true line, bet. secs. 2 and 11.
- Asc. 310 ft., on E. slope, through cedar timber and oak undergrowth.
- 16.75 Ridge bears N. and S. Desc.
- 28.80 Leave dense timber, bearing N.70°E. and S.30°W. Thence through scattering timber.
- 36.40 Wire fence bears NE. and SW.; N. bdy. of H. B. Imus' pasture.
- 40.03 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, surrounded by a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap, marked

S	2
$\frac{1}{4}$	-----
S	11

1916

from which

- A cedar, 18 ins. diam., bears S.9°40'W., 138 lks. dist., marked $\frac{1}{4}$ S11 BT, and
- A cedar, 8 ins. diam., bears N.59°10'W., 169 lks. dist., marked $\frac{1}{4}$ S2 BT.
- Impracticable to set post farther in the ground.
- 40.90 Wash, 390 ft. below ridge, 10 lks. wide, 4 ft. deep, course N. Asc. 75 ft.
- 51.40 Spur slopes N. Desc. 150 ft.
- 64.12 Wash, 20 lks. wide, 3 ft. deep, course N.70°W. Asc. 30 ft.
- 71.11 Spur slopes N. Desc. 80 ft.
- 80.06 The cor. of secs. 2, 3, 10 and 11.

Land, mountainous. Soil, rocky; 4th rate. Timber, cedar and piñon. Undergrowth, chamizo and oak. Grass, fair.

Subdivision of T. 22 N., R. 12 W.

Chains

N.0°01'W., bet. secs. 2 and 3, on true line,
 over mountainous land, through timber and undergrowth.
 Desc. 50 ft.
 5.00 Wash, 15 lks. wide, 3 ft. deep, course N.30°E. Asc. 180 ft.
 21.00 Spur slopes N.40°E. Desc. 95 ft.
 37.10 Head of wash, course N.30°E. Asc.
 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

$\frac{1}{4}$
 S3 | S2
 1916

from which
 A cedar, 6 ins. diam., bears N.47°40'E., 223 lks. dist.,
 marked $\frac{1}{4}$ S2 BT, and
 A cedar, 5 ins. diam., bears N.3°05'W., 141 lks. dist.,
 marked $\frac{1}{4}$ S3 BT.
 42.70 Ridge, 35 ft. above wash, bears N.30°E. and S.30°W.
 Desc. 390 ft.
 91.65 Intersect N. bdy. of Tp. 472 lks. N.89°58'E. of the cor.
 of secs. 35 and 36, T. 23 N., R. 12 W., hereinbefore
 described.

At point of intersection
 Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the
 ground, surrounded by a mound of stone, for closing cor.
 of secs. 2 and 3, with brass cap, marked

T23N R12W
 S36

 S3 | S2
 T22N R12W
 C C
 1916

from which
 A piñon, 12 ins. diam., bears S.87°45'E., 148 lks. dist.,
 marked T22N R12W S2 BT, and
 A cedar, 10 ins. diam., bears S.53°25'W., 90 lks. dist.,
 marked T22N R12W S3 BT.
 Impracticable to set post farther in the ground.

Land, mountainous.
 Soil, rocky; 4th rate.
 Timber, cedar and piñon.
 Undergrowth, scrub oak.
 Grass, fair.

 From the cor. of secs. 33 and 34, on S. bdy. of Tp.,
 described in Book D,

N.0°02'W., bet. secs. 33 and 34.
 Desc. 25 ft., through oak undergrowth.
 .93 Wash, 20 lks. wide, 10 ft. deep, course W. Bottom of gulch.
 Asc. 150 ft.
 10.85 Spur slopes SW. Desc. 60 ft.
 14.70 Wash, 20 lks. wide, 5 ft. deep, course S.30°W. Asc. 660
 ft., on steep S. slope.
 31.30 Ridge, sharp, rocky and nearly impassable, bears N.70°E.
 and S.70°W. Desc. steep, rocky, and broken NW. to W.
 slope, covered with granite boulders.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of
 stone, for $\frac{1}{4}$ sec. cor., with brass cap, marked

$\frac{1}{4}$
 S33 | S34
 1916

from which

Chains

A granite boulder, 4x3x3 ft. above ground, bears N.28°E., 41 lks. dist., marked X BO 34, and
 A granite boulder, 4x4x3 ft. above ground, bears S.25°55'W., 55 lks. dist., marked X BO 33.

53.90 Impracticable to set post in the ground.
 Wash, 445 ft. below ridge, 15 lks. wide, 4 ft. deep, course N.60°W. Bottom of gulch.
 Asc. 130 ft., on steep SW. slope.

67.00 Spur slopes W. Desc. 240 ft., on steep, rocky NW. slope.

73.40 Wash, 5 lks. wide, 1 ft. deep, course W. Desc. 140 ft.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 27, 28, 33 and 34, with brass cap, marked

T22N	R12W
S28	S27
S33	S34

1916

from which

A cedar, 6 ins. diam., bears N.79°50'E., 218 lks. dist., marked T22N R12W S27 BT,

A cedar, 8 ins. diam., bears S.34°10'E., 349 lks. dist., marked T22N R12W S34 BT,

A granite boulder, 5x3x2 ft. above ground, bears S.8°30'W., 45 lks. dist., marked X BO 33, and

A piñon, 8 ins. diam., bears N.15°10'W., 145 lks. dist., marked T22N R12W S28 BT.

Raise a mound of stone around post.

Land, mountainous.

Soil, rocky; with boulders; 4th rate.

Timber, very scattering cedar and piñon.

Undergrowth, palo verde, chamizo and scrub oak.

Grass, fair.

40.00 S.89°55'E., on a random line, bet. secs. 27 and 34.
 Set temp. $\frac{1}{4}$ sec. cor.

80.18 Intersect N. and S. line 2 lks. N. of the cor. of secs. 26, 27, 34 and 35.

Thence N.89°54'W., on a true line, bet. secs. 27 and 34.

Asc. 20 ft., on E. slope, through scattering timber and undergrowth.

3.00 Ridge bears SE. and NW. Desc. 60 ft.

11.32 Head of wash, course S. Asc. 65 ft.

20.60 Main divide bears N.20°E. and S.20°W. Desc. 265 ft., on steep NW. slope.

28.50 Head of wash, course NW. Desc. 110 ft.

35.95 Wash, 8 lks. wide, 4 ft. deep, course NW. Asc.

38.00 Spur slopes N. Desc.

40.09 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, surrounded by a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap, marked

S 27
$\frac{1}{4}$ -----
S 34
1916

from which

A cedar, 10 ins. diam., bears S.33°35'W., 12 lks. dist., marked $\frac{1}{4}$ S34 BT, and

A cedar, 18 ins. diam., bears N.58°55'W., 21 lks. dist., marked $\frac{1}{4}$ S27 BT.

44.87 Wash, 115 ft. below spur, 12 lks. wide, 4 ft. deep, course N. Asc. 25 ft.

50.00 Spur slopes N. Desc. 135 ft. on NW. slope.

55.27 Wash, 12 lks. wide, 7 ft. deep, course N.10°W. Asc. 90 ft.

57.70 Spur slopes NW. Desc. 200 ft., on NW. slope.

69.62 Wash, 15 lks. wide, 6 ft. deep, course NW. Asc. gradually, on NE. slope.

Subdivision of T. 22 N., R. 12 W.

Chains

74.70 Spur slopes NW. Desc. 75 ft., on rocky NW. slope.
80.18 The cor. of secs. 27, 28, 33 and 34.

Land, mountainous.
Soil, rocky; 4th rate.
Timber, cedar and piñon.
Undergrowth, scrub oak.

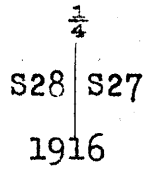
N.0°02'W., bet. secs. 27 and 28.
Desc. 260 ft., on NW. slope, through scattering timber
and undergrowth.

15.35 Wash, 7 lks. wide, 4 ft. deep, course NW. Desc. 30 ft.
19.25 Wash, 50 lks. wide, 6 ft. deep, course SW. Asc. 95 ft.

34.60 Spur slopes W. Desc. 35 ft.

38.68 Wash, 7 lks. wide, 2 ft. deep, course SW. Asc.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the
ground, surrounded by a mound of stone, for 1/4 sec. cor.,
with brass cap, marked



from which
A cedar, 12 ins. diam., bears S.48°10'W., 537 lks. dist.,
marked 1/4 S28 BT, and
A granite boulder, 8x6x3 ft. above ground, bears N.40°20'E.,
48 lks. dist., marked X B0 27.

53.10 Ridge, 340 ft. above wash, bears E. and W. Desc. 365 ft.

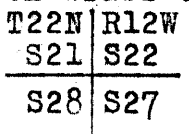
65.97 Wash, 7 lks. wide, 2 ft. deep, course N.20°W.

69.00 Spur slopes N.20°W. Desc.

76.50 Enter dense timber, bearing E. and W.

80.00 (70 ft. below spur),

Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the
ground, surrounded by a mound of stone, for cor. of secs.
21, 22, 27 and 28, with brass cap, marked



1916

from which
A cedar, 12 ins. diam., bears N.73°45'E., 108 lks. dist.,
marked T22N R12W S22 BT,
A cedar, 14 ins. diam., bears S.24°35'E., 54 lks. dist.,
marked T22N R12W S27 BT,
A cedar, 7 ins. diam., bears S.72°45'W., 201 lks. dist.,
marked T22N R12W S28 BT, and
A cedar, 10 ins. diam., bears N.1°35'W., 127 lks. dist.,
marked T22N R12W S21 BT.
Impracticable to set post farther in the ground.

Land, mountainous.
Soil, rocky; 4th rate.
Timber, cedar.
Undergrowth, scrub oak.

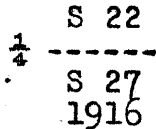
40.00 S.89°54'E., on a random line, bet. secs. 22 and 27.
Set temp. 1/2 sec. cor.

80.14 Intersect N. and S. line at the cor. of secs. 22, 23,
26 and 27.

Thence N.89°54'W., on a true line, bet. secs. 22 and 27,
over mountainous land, through scattering cedar and piñon
timber and dense undergrowth.

Chains

.15 Main divide bears N.10°E. and S.20°W. Desc. 370 ft.
 14.20 Wash, 8 lks. wide, 3 ft. deep, course N.20°W. Asc. 330 ft.
 on steep rocky NE. slope.
 25.40 Spur slopes N. Rock bluffs 1½ chs. N. of station.
 Desc. 35 ft., on N. to NW. slope.
 28.70 Spur slopes NW. Desc.
 40.07 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the
 ground, surrounded by a mound of stone, for ¼ sec. cor.,
 with brass cap, marked



from which

A piñon, 8 ins. diam., bears N.63°10'W., 189 lks. dist.,
 marked ¼ S22 BT, and
 A granite boulder, 4x2x1½ ft. above ground, bears S.4°E.,
 20 lks. dist., marked X BO 27.

Impracticable to set post farther in the ground.

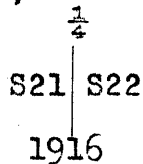
48.80 Wash, 590 ft. below spur, 20 lks. wide, 4 ft. deep, course
 N.30°W. Asc. 45 ft.
 52.90 Spur slopes N. desc. 280 ft.
 80.14 The cor. of secs. 21, 22, 27 and 28.

Land, mountainous.
 Soil, rocky; 4th rate.
 Timber, scattering cedar and piñon.
 Undergrowth, palo verde and scrub oak.
 Grass, fair.

N.0°02'W., bet. secs. 21 and 22.

Desc. 20 ft., on NW. slope, through cedar timber and
 oak undergrowth.

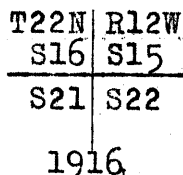
5.33 Wash, 30 lks. wide, 4 ft. deep, course S.20°W. Asc. 55 ft.
 15.45 Ridge bears N.70°E. and S.70°W.
 19.55 Wash, 60 lks. wide, 5 ft. deep, course N.80°W.
 Leave timber, bearing N.30°W. and S.30°E. Asc.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of
 stone, for ¼ sec. cor., with brass cap, marked



from which

A cedar, 8 ins. diam., bears S.66°15'W., 628 lks. dist.,
 marked ¼ S21 BT, and
 A granite boulder, 3x3x2 ft. above ground, bears N.60°E.,
 42 lks. dist., marked X BO 22.

43.60 Spur, 125 ft. above wash, slopes S.45°W. Desc. 65 ft.
 54.95 Wash, 30 lks. wide, 3 ft. deep, course S.45°W. Asc. 200 ft.
 68.35 Ridge bears NE. and SW. Saddle 1½ chs. E. Desc.
 69.25 N. B. Tyree's house, hereinbefore described, bears N.31°20'E.
 80.00 (185 ft. below ridge),
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 15, 16, 21 and 22, with brass
 cap, marked



from which

A cedar, 5 ins. diam., bears N.66°10'E., 152 lks. dist.,
 marked T22N R12W S15 BT,
 A cedar, 14 ins. diam., bears S.64°30'E., 161 lks. dist.,
 marked T22N R12W S22 BT,
 A cedar, 6 ins. diam., bears S.64°30'W., 165 lks. dist.,
 marked T22N R12W S21 BT, and

Subdivision of T. 22 N., R. 12 W.

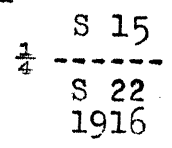
Chains

A cedar, 10 ins. diam., bears N.27°05'W., 90 lks. dist., marked T22N R12W S16 BT.

Land, mountainous.
Soil, rocky; 4th rate.
Timber, scattering cedar.
Undergrowth, dense catclaw, palo verde and scrub oak.
Grass, poor.

40.00 S.89°54'E., on a random line, bet. secs. 15 and 22.
80.12 Set temp. 1/4 sec. cor.
Intersect N. and S. line 7 lks. S. of the cor. of secs. 14, 15, 22 and 23.

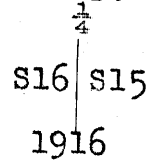
5.70 Thence N.89°57'W., on a true line, bet. secs. 15 and 22.
Asc. 155 ft., on steep E. slope, through very scattering cedar and piñon timber, and dense oak undergrowth.
21.00 Ridge bears N.25°E. and S.25°W. Desc. 515 ft., on precipitous W. to SW. slope.
Gulch, 12 lks. wide, on bottom, course N.20°W.
Thence on broken N. slope.
37.43 Wire fence bears N.70°W. and S.70°E.
37.50 Spur slopes N. Desc. on steep, broken NW. slope.
40.06 Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground, surrounded by a mound of stone, for 1/4 sec. cor., with brass cap, marked



80.12 from which
A piñon, 5 ins. diam., bears S.53°05'W., 201 lks. dist., marked 1/4 S22 BT, and
A piñon, 6 ins. diam., bears N.21°20'E., 233 lks. dist., marked 1/4 S15 BT.
Impracticable to set post farther in the ground.
(700 ft. below spur),
The cor. of secs. 15, 16, 21 and 22.

Land, mountainous.
Soil, rocky; 4th rate.
Timber, cedar and piñon.
Undergrowth, palo verde, catclaw, and scrub oak.
Grass, fair.

4.70 N.0°02'W., bet. secs. 15 and 16.
8.60 Desc. slightly on NW. slope, through scattering cedar timber and catclaw undergrowth.
Wash, 50 lks. wide, 2 ft. deep, course SW.
11.20 Road from N.B.Tyree's ranch to Hackberry bears N.70°E. and S.70°W.
16.00 Wash, 20 lks. wide, 3 ft. deep, course S.60°W. Asc.
39.47 Wire fence bears N.70°E. and S.70°W.
40.00 Head of wash, 320 ft. above 11.20 ch. pt., course SE. Asc.
Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, (impracticable to set post in the ground), for 1/4 sec. cor., with brass cap, marked



from which
A cedar, 8 ins. diam., bears N.43°35'E., 531 lks. dist., marked 1/4 S15 BT, and
A cedar, 8 ins. diam., bears N.16°W., 282 lks. dist., marked 1/4 S16 BT.

Chains

47.10 Ridge, 165 ft. above wash, bears NE. and SW. Desc. 386 ft.
 62.60 Wash, 15 lks. wide, 5 ft. deep, course W.
 63.70 Spur slopes S.30°W.
 64.45 Wash, 25 lks. wide, 8 ft. deep, course SW. Asc. 220 ft.
 77.60 Granite spur slopes S.30°W.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 9, 10, 15 and 16, with brass cap, marked

T22N	R12W
S 9	S10
S16	S15

1916

from which
 A cedar, 4 ins. diam., bears N.4°10'E., 206 lks. dist., marked T22N R12W S10 BT,
 A malpais ledge, 6x3 ft. face, bears S.53°20'E., 81 lks. dist., marked X B0 15,
 A granite boulder, 5x4x4 ft. above ground, bears S.27°10'W., 157 lks. dist., marked X B0 16, and
 A granite boulder, 12x6x5 ft. above ground, bears N.42°45'W., 65 lks. dist., marked X B0 9.

Land, mountainous.
 Soil, rocky; 4th rate.
 Timber, scattering cedar.
 Undergrowth, palo verde and scrub oak.
 Grass, fair.

40.00 S.89°57'E., on a random line, bet. secs. 10 and 15.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.12 Intersect N. and S. line at the cor. of secs. 10, 11, 14 and 15.

Thence N.89°57'W., on a true line, bet. secs. 10 and 15.
 Desc. through scattering timber and dense undergrowth.
 14.45 Leave timber. Wire fence bears N. and S.
 24.48 Wash, 620 ft. below sec. cor., 20 lks. wide, 6 ft. deep, course S.60°W. Asc. 40 ft.
 27.00 Desc. 175 ft.
 39.20 Same wash, 20 lks. wide, 6 ft. deep, course N.80°W.
 40.06 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 10
$\frac{1}{4}$ -----
S 15
1916

from which
 A malpais boulder, 6x6x5 ft. above ground, bears N.30°40'W., 11 lks. dist., marked X B0 10, and
 A cedar, 10 ins. diam., bears S.86°15'E., 405 lks. dist., marked $\frac{1}{4}$ S15 BT.

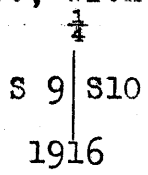
42.30 Same wash, 20 lks. wide, 6 ft. deep, course S.70°W.
 45.45 Same wash, 20 lks. wide, 6 ft. deep, course N.70°W.
 Desc. 150 ft.
 64.78 Same wash, 20 lks. wide, 4 ft. deep, course S.50°W.
 Asc. 120 ft.
 79.20 Spur slopes S.30°W. Desc.
 80.12 The cor. of secs. 9, 10, 15 and 16.

Land, mountainous.
 Soil, rocky; 4th rate.
 Timber, cedar and piñon.
 Undergrowth, chamizo, palo verde and scrub oak.
 Grass, fair.

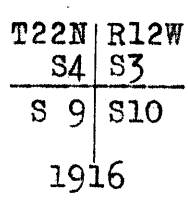
Subdivision of T. 22 N., R. 12 W.

Chains

N.0°02'W., bet. secs. 9 and 10,
 along broken W. slope, through scattering cedar timber
 and dense palo verde and oak undergrowth.
 8.10 Gulch, course SW. Asc. 640 ft. on steep, rocky S. slope.
 34.50 Asc. 80 ft. over rim rock bearing E. and W.
 35.50 Top of same. Continue ascent, through dense cedar timber,
 bearing E. and W.
 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



from which
 A piñon, 8 ins. diam., bears N.76°40'E., 57 lks. dist.,
 marked $\frac{1}{4}$ S10 BT, and
 A cedar, 10 ins. diam., bears N.53°55'W., 59 lks. dist.,
 marked $\frac{1}{4}$ S9 BT.
 44.00 Main divide bears N.70°W. and S.70°E. Desc. 95 ft., on
 slight SE. slope.
 55.72 Head of wash, course N.60°E. Asc. gradually.
 67.35 Ridge bears N.70°E. and S70°W. Desc. 60 ft.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 3, 4, 9 and 10, with brass
 cap, marked

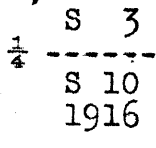


from which
 A cedar, 24 ins. diam., bears N.55°40'E., 380 lks. dist.,
 marked T22N R12W S3 BT,
 A cedar, 8 ins. diam., bears S.14°45'E., 60 lks. dist.,
 marked T22N R12W S10 BT,
 A cedar, 24 ins. diam., bears S.44°55'W., 405 lks. dist.,
 marked T22N R12W S9 BT, and
 A cedar, 10 ins. diam., bears N.63°35'W., 86 lks. dist.,
 marked T22N R12W S4 BT.

Land, mountainous.
 Soil, rocky; 4th rate.
 Timber, cedar.
 Undergrowth, chamizo, palo verde and scrub oak.
 Grass, fair.

 S.89°57'E., on a random line, bet. secs. 3 and 10.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.06 Intersect N. and S. line at the cor. of secs. 2, 3, 10
 and 11.

Thence N.89°57'W., on a true line, bet. secs. 3 and 10,
 over rolling land, through timber and undergrowth.
 2.06 Wash, 20 lks. wide, 4 ft. deep, course N.
 3.00 Spur slopes NE.
 6.35 Wash, 20 lks. wide, 3 ft. deep, course N.40°E. Asc. over
 mountainous land.
 19.20 Enter dense timber, bearing NE. and SW.
 40.03 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



from which
 A cedar, 18 ins. diam., bears S.16°W., 24 lks. dist.,
 marked $\frac{1}{4}$ S10 BT, and
 A cedar, 8 ins. diam., bears N.46°E., 63 lks. dist.,
 marked $\frac{1}{4}$ S3 BT.

Chains

73.75 Ridge, 435 ft. above wash, bears N. and S.
80.06 The cor. of secs. 3, 4, 9 and 10.

Land, rolling and mountainous.
Soil, rocky; 4th rate.
Timber, cedar and scattering piñon.
Undergrowth, chamizo, catclaw and scrub oak.
Grass, fair.

N.0°02'W., on a true line, bet. secs. 3 and 4.
Desc. gradually, on N. slope, through timber and undergrowth.

17.90 Enter dense timber.
28.35 Desc. along steep W. slope, through large granite boulders.
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

$\frac{1}{4}$
S4 | S3
1916

from which
A piñon, 8 ins. diam., bears S.66°40'E., 50 lks. dist., marked $\frac{1}{4}$ S3 BT, and
A cedar, 6 ins. diam., bears S.31°05'W., 60 lks. dist., marked $\frac{1}{4}$ S4 BT.

45.45 Wash, 500 ft. below sec. cor., 20 lks. wide, 4 ft. deep, course N.10°E.
52.85 Spur slopes NE.
56.35 Wash, 20 lks. wide, 6 ft. deep, course E. Asc. 260 ft.
78.25 Ridge bears N.50°E. and S.50°W. Desc.
91.59 Intersect N. bdy. of Tp. 461 lks. N.89°58'E. of the cor. of secs. 34 and 35, hereinbefore described.

At point of intersection
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for closing cor. of secs. 3 and 4, with brass cap, marked

T23N R12W
S35

S4 | S3
T22N | R12W
C C
1916

from which
A cedar, 6 ins. diam., bears S.49°10'E., 126 lks. dist., marked T22N R12W S3 BT, and
A cedar, 8 ins. diam., bears S.23°25'W., 135 lks. dist., marked T22N R12W S4 BT.

Land, rolling and mountainous.
Soil, rocky; 4th rate.
Timber, cedar and piñon.
Undergrowth, palo verde, chamizo and scrub oak.

From the cor. of secs. 32 and 33, on S. bdy. of Tp., described in Book D,

N.0°03'W., bet. secs. 32 and 33,
over rolling land, through scattering cedar timber.

6.70 Wash, 50 lks. wide, 3 ft. deep, course N.75°W.
25.00 Ridge bears E. and W.
39.05 Wash, 30 lks. wide, 5 ft. deep, course S.20°W.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, surrounded by a mound of stone, (impracticable to set post farther in ground), for $\frac{1}{4}$ sec. cor., with brass cap, marked

Chains

1/4
S32 | S33
1916

from which

A cedar, 14 ins. diam., bears S.30°E., 6 lks. dist., marked 1/4 S33 BT, and

A cedar, 8 ins. diam., bears N.36°30'W., 59 lks. dist., marked 1/4 S32 BT.

53.85
80.00

Wash, 30 lks. wide, 2 ft. deep, course S.80°W.
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 28, 29, 32 and 33, with brass cap, marked

T22N | R12W
S29 | S28

S32 | S33

1916

from which

A cedar, 10 ins. diam., bears N.41°30'E., 67 lks. dist., marked T22N R12W S28 BT,

A cedar, 8 ins. diam., bears S.11°55'E., 103 lks. dist., marked T22N R12W S33 BT,

A cedar, 8 ins. diam., bears S.86°W., 114 lks. dist., marked T22N R12W S32 BT, and

A cedar, 12 ins. diam., bears N.45°35'W., 72 lks. dist., marked T22N R12W S29 BT.

Land, rolling.

Soil, rocky; 4th rate.

Timber, cedar.

40.00
80.00

S.89°55'E., on a random line, bet. secs. 28 and 33.

Set temp. 1/4 sec. cor.

Intersect N. and S. line at the cor. of secs. 27, 28, 33 and 34.

Thence N.89°55'W., on a true line, bet. secs. 28 and 33, over rolling land, through scattering cedar timber.

Descend.

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

S 28

1/4 -----

S 33

1916

from which

A cedar, 6 ins. diam., bears N.8°45'E., 64 lks. dist., marked 1/4 S28 BT, and

A cedar, 8 ins. diam., bears S.8°30'W., 45 lks. dist., marked 1/4 S33 BT.

50:75

Wash, 470 ft. below sec. cor., 20 lks. wide, 2 ft. deep, course S.30°W. Asc. gradually.

80.00

The cor. of secs. 28, 29, 32 and 33.

Land, rolling.

Soil, rocky; 4th rate.

Timber, cedar.

6.32
10.00
18.35
25.00
36.97

N.0°03'W., bet. secs. 28 and 29,

over rolling land, through scattering cedar timber.

Wash, 30 lks. wide, 2 ft. deep, course S.70°W.

Top of rise bears E. and W.

Wash, 40 lks. wide, 5 ft. deep, course S.60°W.

Top of rise bears E. and W.

Wash, 20 lks. wide, 1 ft. deep, course S.80°W.

28

Subdivision of T. 22 N., R. 12 W.

Chains

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

$\frac{1}{4}$
S29 S28

1916

from which

A cedar, 5 ins. diam., bears S.86°10'E., 100 lks. dist., marked $\frac{1}{4}$ S28 BT, and

A cedar, 6 ins. diam., bears S.64°05'W., 36 lks. dist., marked $\frac{1}{4}$ S29 BT.

50.00 Leave dense timber, and enter scattering timber.

57.60 Wash, 12 lks. wide, 2 ft. deep, course S.30°W.

77.70 Wash, 75 lks. wide, 2 ft. deep, course SW.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 20, 21, 28 and 29, with brass cap, marked

T22N R12W
S20 S21

S29 S28

1916

from which

A cedar, 6 ins. diam., bears N.13°50'E., 278 lks. dist., marked T22N R12W S21 BT,

A cedar, 18 ins. diam., bears S.56°E., 55 lks. dist., marked T22N R12W S28 BT,

A cedar, 8 ins. diam., bears S.70°10'W., 646 lks. dist., marked T22N R12W S29 BT, and

A cedar, 6 ins. diam., bears N.33°20'W., 403 lks. dist., marked T22N R12W S20 BT.

Land, slightly rolling,

Soil, gravelly; 3rd rate.

Timber, cedar.

Undergrowth, palo verde, catclaw and scrub oak.

Grass, fair.

40.00 S.89°55'E., on a random line, bet. secs. 21 and 28.

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

80.10 Intersect N. and S. line at the cor. of secs. 21, 22, 27 and 28.

Thence N.89°55'W., on a true line, bet. secs. 21 and 28, over rolling land, through dense timber and undergrowth.

14.10 Leave dense timber and enter scattering timber, bearing N. and S.

31.30 Wash, 100 lks. wide, 3 ft. deep, course S.80°W.

39.45 Enter wash, course N.60°W.

40.05 Point for $\frac{1}{4}$ sec. cor. falls in wash. Therefore at

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

S 21
WC $\frac{1}{4}$ -----
S 28
1916

from which

A cedar, 7 ins. diam., bears N.12°E., 252 lks. dist., marked WC $\frac{1}{4}$ S21 BT, and

An oak, 8 ins. diam., bears S.53°50'E., 231 lks. dist., marked WC $\frac{1}{4}$ S28 BT.

47.30 Leave wash.

71.65 Same wash, 40 lks. wide, 3 ft. deep, course S.30°W.

73.10 Ridge bears SW. and NE.

74.20 Wash, 50 lks. wide, 2 ft. deep, course SW.

80.10 The cor. of secs. 20, 21, 28 and 29.

Land, rolling. Soil, gravelly and rocky; 3rd rate.

Timber, cedar. Undergrowth, catclaw and oak. Grass, fair.

Subdivision of T. 22 N., R. 12 W.

Chains

N.0°03'W., bet. secs. 20 and 21,
over rolling land, through scattering timber and under-
growth.

- 8.60 Wash, 30 lks. wide, 1 ft. deep, course S.60°W.
- 38.60 Wash, 40 lks. wide, 3 ft. deep, course S.70°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

1/4
S20 S21
1916

from which

- A cedar, 36 ins. diam., bears N.21°45'E., 259 lks. dist.,
marked 1/4 S21 BT, and
- A cedar, 7 ins. diam., bears N.83°40'W., 112 lks. dist.,
marked 1/4 S20 BT.

- 40.20 Road to N. B. Tyree's ranch bears N.50°E. and S.50°W.
- 75.30 Main road from Tyree's ranch to Hackberry bears E. and W.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
ground, for cor. of secs. 16, 17, 20 and 21, with brass
cap, marked

T22N | R12W
S17 | S16

S20 | S21
1916

from which

- A cedar, 10 ins. diam., bears N.56°E., 525 lks. dist.,
marked T22N R12W S16 BT,
- A cedar, 6 ins. diam., bears S.83°30'E., 652 lks. dist.,
marked T22N R12W S21 BT,
- A cedar, 5 ins. diam., bears S.69°45'W., 419 lks. dist.,
marked T22N R12W S20 BT, and
- A cedar, 10 ins. diam., bears N.27°50'W., 510 lks. dist.,
marked T22N R12W S17 BT.

Land, rolling.

Soil, gravelly; 3rd rate.

Timber, cedar.

Undergrowth, yucca, cactus, and scrub oak.

S.89°57'E., on a random line for distance, (the cor. of
secs. 15, 16, 21 and 22 being visible), bet. secs.
16 and 21.

- 40.00 Set temp. 1/4 sec. cor.
- 80.06 The cor. of secs. 15, 16, 21 and 22.

Thence N.89°57'W., on a true line, bet. secs. 16 and 21,
over rolling land, through scattering timber and under-
growth.

- 3.15 Wash, 50 lks. wide, 2 ft. deep, course S.80°W.
- 18.45 Road to N. B. Tyree's ranch bears NE. and SW.
- 40.03 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 16
1/4 -----
S 21

from which

- A cedar, 8 ins. diam., bears N.70°45'W., 121 lks. dist.,
marked 1/4 S16 BT, and
- A cedar, 6 ins. diam., bears S.67°E., 141 lks. dist.,
marked 1/4 S21 BT.

- 40.75 Fence bears N.60°E. and S.60°W.
- 43.22 Fence bears S.45°E. and N.45°W.
- 64.20 Wash, 20 lks. wide, 3 ft. deep, course S.
- 80.06 The cor. of secs. 16, 17, 20 and 21.

Land, rolling.

Chains

Soil, rocky; 3rd and 4th rate.
 Timber, cedar.
 Undergrowth, scrub oak.

7.10
 40.00

N.0°03'W., bet. secs. 16 and 17,
 over rolling land, through scattering timber and under-
 growth.
 Wash, 60 lks. wide, 3 ft. deep, course S.70°W.
 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the
 ground, surrounded by a mound of stone, (impracticable
 to set post farther in the ground) for $\frac{1}{4}$ sec. cor., with
 brass cap, marked

$\frac{1}{4}$
 S17 | S16
 1916

from which
 A cedar, 5 ins. diam., bears N.36°05'E., 94 lks. dist.,
 marked $\frac{1}{4}$ S16 BT, and
 A cedar, 3 ins. diam., bears S.71°05'W., 70 lks. dist.,
 marked $\frac{1}{4}$ S17 BT.

53.45
 74.53
 79.20
 80.00

Wash, 20 lks. wide, 3 ft. deep, course S.30°W. Asc. 460 ft.,
 over rolling mountainous land.
 Ridge bears N.80°E. and S.80°W. Desc. 30 ft.
 Wash, 10 lks. wide, 1 ft. deep, course W.
 Set an iron post, 3 ft. long, 2 ins. diam., in a mound of
 stone, (impracticable to set post in the ground), for cor.
 of secs. 8, 9, 16 and 17, with brass cap, marked

T22N | R12W
 S8 | S9
 S17 | S16

1916

and raise a mound of stone, 4 ft. base, 3 ft. high,
 W. of cor.

Land, rolling and rolling mountainous.
 Soil, rocky; 4th rate.
 Timber, cedar.
 Undergrowth, scrub oak.

40.00
 80.10

S.89°57'E., on a random line, bet. secs. 9 and 16.
 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line at the cor. of secs. 9, 10, 15
 and 16.

Thence N.89°57'W., on a true line, bet. secs. 9 and 16,
 over mountainous land, through scrub oak undergrowth.
 Desc. 90 ft.

2.96
 10.00
 20.57
 24.00
 32.15
 40.05

Wash, 10 lks. wide, course S. Asc. 145 ft.
 Spur slopes S.10°W. Desc. 180 ft.
 Wash, 20 lks. wide, 3 ft. deep, course S.80°W.
 Spur slopes S.50°W. Desc. 130 ft.
 Gulch, 10 lks. wide on bottom, course S.10°E. Asc.
 Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the
 ground, surrounded by a mound of stone, (impracticable
 to set post farther in the ground), for $\frac{1}{4}$ sec. cor.,
 with brass cap, marked

S 9
 $\frac{1}{4}$ -----
 S 16
 1916

from which

a granite boulder, 12x6x4 ft. above ground, bears N.70°15'E.,
 42 lks. dist., marked X B0 9
 and

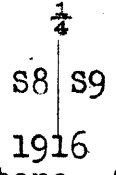
Subdivision of T. 22 N., R. 12 W.

Chains

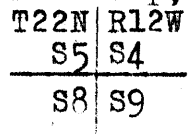
A granite boulder, 5x3x3 ft. above ground, bears S.56°45'W., 115 lks. dist., marked X B0 16.
 62.97 Fence bears N. and S.
 64.75 Spur, 515 ft. above wash, sloping S. Desc. 380 ft.
 74.20 Spur slopes S.60°W. Desc. 180 ft.
 80.10 The cor. of secs. 8, 9, 16 and 17.

Land, mountainous.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, scrub oak.

N.0°03'W., bet. secs. 8 and 9.
 Asc. 60 ft., over mountainous land, through scattering timber and undergrowth.
 3.65 Spur slopes W. Desc. 200 ft.
 19.45 Wash, 10 lks. wide, course W. Asc. 70 ft.
 24.70 Spur slopes S.70°W. Desc. 70 ft.
 29.85 Wash, 20 lks. wide, course S.80°W. Asc.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground, surrounded by a mound of stone, (impracticable to set post farther in the ground) for $\frac{1}{4}$ sec. cor., with brass cap, marked



and raise a mound of stone, 4 ft. base, 3 ft. high, W. of cor.
 68.60 Ridge, 1035 ft. above wash, bears N.40°E. and S.40°W. Desc. 200 ft.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, surrounded by a mound of stone, (impracticable to set post farther in the ground) for cor. of secs. 4, 5, 8 and 9, with brass cap, marked



1916
 from which
 A piñon, 14 ins. diam., bears N.73°45'E., 64 lks. dist., marked T22N R12W S4 BT,
 A piñon, 20 ins. diam., bears S.11°40'E., 41 lks. dist., marked T22N R12W S9 BT,
 A piñon, 10 ins. diam., bears S.51°45'W., 43 lks. dist., marked T22N R12W S8 BT, and
 A piñon, 12 ins. diam., bears N.37°30'W., 76 lks. dist., marked T22N R12W S5 BT.

Land, mountainous.
 Soil, rocky; 4th rate.
 Timber, scattering piñon and cedar.
 Undergrowth, scrub oak.

S.89°57'E., on a random line, bet. secs. 4 and 9.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.10 Intersect N. and S. line 9 lks. S. of the cor. of secs. 3, 4, 9 and 10.

Thence S.89°59'W., on a true line, bet. secs. 4 and 9, over rolling land, through scattering timber and undergrowth. Asc. 130 ft.
 25.00 Summit.

Chains

40.05 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, surrounded by a mound of stone, (impracticable to set post farther in the ground) for 1/4 sec. cor., with brass cap, marked

S 4
1/4 -----
S 9
1916

from which

A cedar, 4 ins. diam., bears N.19°45'E., 179 lks. dist., marked 1/4 S4 BT, and

A cedar, 4 ins. diam., bears S.38°40'E., 191 lks. dist., marked 1/4 S9 BT.

69.00 Leave timber, bearing N. and S.

74.00 Main divide bears N.35°E. and S.35'W. Edge of plateau. Desc. 250 ft.

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

Land, mountainous and rolling.

Soil, rocky; 4th rate.

Timber, scattering piñon and cedar.

Undergrowth, scrub oak.

N.0°03'W., on a true line, bet. secs. 4 and 5, over mountainous land, through scattering timber and undergrowth. Desc. 40 ft.

9.45 Wash, 10 lks. wide, course S.70°W. Asc. 150 ft.

12.35 Spur slopes W. Desc. 100 ft.

25.70 Gulch, course S.80°W. Asc. 225 ft.

29.95 Spur slopes W. Desc. 150 ft.

39.22 Gulch, course S.85°W. Asc.

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

1/4
S5 | S4
1916

from which

A piñon, 14 ins. diam., bears N.85°45'E., 129 lks. dist., marked 1/4 S4 BT, and

A piñon, 6 ins. diam., bears N.68°40'W., 63 lks. dist., marked 1/4 S5 BT.

47.35 Main divide, 290 ft. above gulch, bears N.80°W. and S.80°E. Desc. 160 ft.

54.45 Gulch, course N.85°W. Asc. 330 ft.

65.60 Summit. Desc. 115 ft.

91.76 Intersect N. bdy. of Tp. 460 lks. N.89°58'E. of the cor. of secs. 33 and 34, hereinbefore described.

At point of intersection

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for closing cor. of secs. 4 and 5, with brass cap, marked

T23N R12W
S34

S5 | S4
C C
T22N R12W
1916

from which

A piñon, 16 ins. diam., bears S.73°55'E., 354 lks. dist., marked T22N R12W S4 BT, and

A piñon, 10 ins. diam., bears S.52°20'W., 157 lks. dist., marked T22N R12W S5 BT.

Land, mountainous.--Soil, rocky; 4th rate.

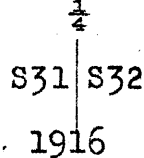
Timber, piñon and cedar. Undergrowth, scrub oak.

Chains

From the cor. of secs. 31 and 32, on S. bdy. of Tp., described in Book D,

N.0°03'W., bet. secs. 31 and 32, over rolling land, through scattering timber and undergrowth.

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



from which

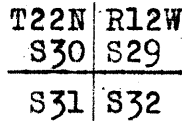
A cedar, 8 ins. diam., bears S.77°40'E., 137 lks. dist., marked 1/4 S32 BT, and

A cedar, 14 ins. diam., bears S.34°45'W., 75 lks. dist., marked 1/4 S31 BT.

48.00 Wash, 30 lks. wide, 3 ft. deep, course S.25°W.

50.00 Leave timber, bearing E. and W.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 29, 30, 31 and 32, with brass cap, marked



1916

dig pits, 18x18x12 ins., in each sec., 5 1/2 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Land, nearly level.

Soil, gravelly; 2nd rate.

Timber, scattering cedar.

Undergrowth, scrub oak.

40.00 S.89°55'E., on a random line, bet. secs. 29 and 32.

80.00 Set temp. 1/4 sec. cor.

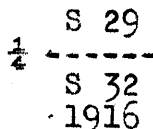
Intersect N. and S. line 3 lks. S. of the cor. of secs. 28, 29, 32 and 33.

Thence N.89°56'W., on a true line, bet. secs. 29 and 32, over gently rolling land, through scattering cedar timber and oak undergrowth.

16.80 Wash, 30 lks. wide, 4 ft. deep, course S.20°W.

36.20 Wash, 20 lks. wide, 2 ft. deep, course S.20°W.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 13 ins. in the ground, surrounded by a mound of stone, for 1/4 sec. cor., (impracticable to set post farther in the ground), with brass cap, marked



from which

A cedar, 5 ins. diam., bears S.63°55'E., 91 lks. dist., marked 1/4 S32 BT, and

A cedar, 3 ins. diam., bears N.14°40'E., 26 lks. dist., marked 1/4 S29 BT.

54.90 Wash, 30 lks. wide, 3 ft. deep, course S.

80.00 The cor. of secs. 29, 30, 31 and 32.

Land, open and gently rolling.

Soil, rocky; 4th rate.

Timber, scattering cedar.

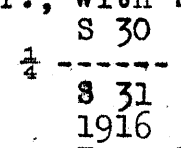
Undergrowth, scrub oak.

Chains

40.00 N. 89° 55' W., on a random line, bet. secs. 30 and 31.
Set temp. $\frac{1}{4}$ sec. cor.
130.94 Intersect W. bdy. of Tp. at the cor. of secs. 25, 30, 31 and 36, which is an iron post, 3 ins. diam., with brass cap, marked, set, and witnessed as described by the surveyor general.

25.92 Thence S. 89° 55' E., on a true line, bet. secs. 30 and 31, over level land, through scattering timber and undergrowth.
Wash, 30 lks. wide, 2 ft. deep, course S. 50° W.

45.95 Leave timber, bearing N. and S.
90.94 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



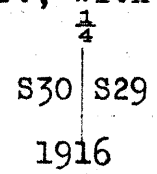
dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

130.94 The cor. of secs. 29, 30, 31 and 32.

Land, level.
Soil, gravelly loam; 2nd rate.
Timber, scattering cedar and palo verde.
Undergrowth, cactus, yucca and scrub oak.

29.10 N. 0° 03' W. bet. secs. 29 and 30,
over gently rolling land, through scattering undergrowth.
Wash, 30 lks. wide, 2 ft. deep, course S. 30° W.

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



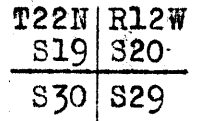
dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

59.30 Wash, 20 lks. wide, 4 ft. deep, course W.

60.00 Enter timber, bearing NE. and SW.

63.57 Wash, 20 lks. wide, 3 ft. deep, course S. 85° W.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 19, 20, 29 and 30, with brass cap, marked



from which
A cedar, 3 ins. diam., bears N. 86° 30' E., 269 lks. dist., marked T22N R12W S20 BT,
A cedar, 8 ins. diam., bears S. 22° 20' E., 147 lks. dist., marked T22N R12W S29 BT,
A cedar, 3 ins. diam., bears S. 3° 45' W., 320 lks. dist., marked T22N R12W S30 BT, and
A cedar, 8 ins. diam., bears N. 54° 25' W., 187 lks. dist., marked T22N R12W S19 BT.

Land, rolling.
Soil, gravelly loam; 2nd and 3rd rate.
Timber, cedar.
Undergrowth, scrub oak.

Chains

$\frac{1}{4}$

S19 S20

1916

from which

A cedar, 4 ins. diam., bears N.5°45'E., 264 lks. dist., marked $\frac{1}{4}$ S20 BT, and

A cedar, 8 ins. diam., bears S.28°05'W., 231 lks. dist., marked $\frac{1}{4}$ S19 BT.

51.33
70.30
80.00

Road to N. B. Tyree's ranch bears E. and W.

Wash, 20 lks. wide, 5 ft. deep, course N.80°W.

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 17, 18, 19 and 20, with brass cap, marked

T22N	R12W
S18	S17
S19	S20

1916

from which

A cedar, 10 ins. diam., bears N.40°50'E., 166 lks. dist., marked T22N R12W S17 BT,

A cedar, 14 ins. diam., bears S.74°50'E., 88 lks. dist., marked T22N R12W S20 BT,

A cedar, 6 ins. diam., bears S.65°30'W., 99 lks. dist., marked T22N R12W S19 BT, and

A cedar, 10 ins. diam., bears N.61°10'W., 109 lks. dist., marked T22N R12W S18 BT.

Land, rolling.

Soil, gravel and loam, rocky; 4th rate.

Timber, cedar.

Undergrowth, scrub oak.

40.00
80.12

S.89°56'E., on a random line, bet. secs. 17 and 20.

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

Intersect N. and S. line 4 lks. N. of the cor. of secs. 16, 17, 20 and 21.

20.72
40.06

Thence N.89°54'W., on a true line, bet. secs. 17 and 20, over rolling land, through timber and undergrowth.

Wash, 20 lks. wide, 3 ft. deep, course SW.

Set an iron post, 3 ft. long, 1 in. diam., 18 ins in the ground, surrounded by a mound of stone, (impracticable to set post farther in the ground), for $\frac{1}{4}$ sec. cor., with brass cap, marked

S	17
$\frac{1}{4}$	-----
S	20
	1916

from which

A cedar, 6 ins. diam., bears N.29°30'E., 135 lks. dist., marked $\frac{1}{4}$ S17 BT, and

A cedar, 8 ins. diam., bears S.48°40'E., 149 lks. dist., marked $\frac{1}{4}$ S20 BT.

60.25
80.12

Wash, 100 lks. wide, 3 ft. deep, course S.70°W.

The cor. of secs. 17, 18, 19 and 20.

Land, rolling.

Soil, rocky; 4th rate.

Timber, cedar.

Undergrowth, scrub oak.

40.00
130.89

N.89°51'W., on a random line, bet. secs. 18 and 19.

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

Intersect W. bdy. of Tp. 16 lks. S. of the cor. of secs.

Subdivision of T. 22 N., R. 12 W.

Chains

13, 18, 19 and 24, which is an iron post, 3 ins. diam., with brass cap, marked, set, and witnessed as described by the surveyor general.

23.00
51.30
85.14
90.89

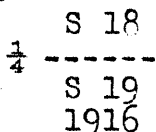
Thence S, 89°47'E., on a true line, bet. secs. 18 and 19, over rolling land, through timber and undergrowth.

Spur slopes S.

Wash, 30 lks. wide, 5 ft. deep, course S.60°W.

Wash, 50 lks. wide, 2 ft. deep, course S.10°W.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, surrounded by a mound of stone, (impracticable to set post farther in the ground), for 1/4 sec. cor., with brass cap, marked



from which

A cedar, 6 ins. diam., bears N.2°10'E., 182 lks. dist., marked 1/4 S18 BT, and

A cedar, 8 ins. diam., bears S.43°E., 114 lks. dist., marked 1/4 S19 BT.

130.89 The cor. of secs. 17, 18, 19 and 20.

Land, rolling.
Soil, rocky; 4th rate.
Timber, cedar.
Undergrowth, scrub oak.

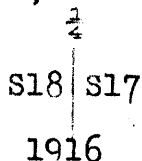
N.0°03'W., bet. secs. 17 and 18, over mountainous land, through scattering timber and undergrowth. Asc. 460 ft.

22.70
24.30
40.00

Ridge bears N.80°E. and S.80°W.Desc.

Corral bears W., 15 chs. dist., 3 chs. diam.

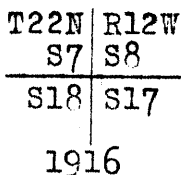
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., with brass cap, marked



and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

47.50 Wash, 280 ft. below ridge, 40 lks. wide, 2 ft. deep, course S.80°W. Asc. gradually, 70 ft., to

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



from which

A cedar, 10 ins. diam., bears N.48°10'E., 86 lks. dist., marked T22N R12W S8 BT,

A cedar, 8 ins. diam., bears S.16°10'E., 100 lks. dist., marked T22N R12W S17 BT,

A cedar, 8 ins. diam., bears S.40°40'W., 84 lks. dist., marked T22N R12W S18 BT, and

A cedar, 8 ins. diam., bears N.28°05'W., 55 lks. dist., marked T22N R12W S7 BT.

Land, mountainous and rolling.
Soil, rocky; 4th rate.
Timber, cedar and palo verde.
Undergrowth, scrub oak.

38

Subdivision of T. 22 N., R. 12 W.

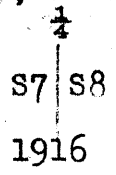
Chains	
40.00	S.89°54'E., on a random line, bet. secs. 8 and 17.
80.00	Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line 12 lks. N. of the cor. of secs. 8, 9, 16 and 17.
36.20	Thence N.89°49'W., on a true line, bet. secs. 8 and 17, over rolling mountainous land, through scattering timber and undergrowth. Desc. 460 ft.
40.00	Wash, 30 lks. wide, 5 ft. deep, course S.70°W. Asc. Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, surrounded by a mound of stone, for $\frac{1}{4}$ sec. cor., (impracticable to set post farther in the ground), with brass cap, marked
	$\begin{array}{c} S \ 8 \\ \frac{1}{4} \text{-----} \\ S \ 17 \\ 1916 \end{array}$
	from which A cedar, 5 ins. diam., bears N.50°50'E., 184 lks. dist., marked $\frac{1}{4}$ S8 BT, and A cedar, 8 ins. diam., bears S.41°20'E., 263 lks. dist., marked $\frac{1}{4}$ S17 BT.
40.70	Summit of ascent, 85 ft. above wash. Desc. 120 ft.
64.78	Wash, 80 lks. wide, 3 ft. deep, course S.10°W.
80.00	The cor. of secs. 7, 8, 17 and 18.
	Land, mountainous and rolling. Soil, rocky; 4th rate. Timber, cedar and palo verde. Undergrowth, scrub oak.

40.00	N.89°47'W., on a random line, bet. secs. 7 and 18.
130.83	Set temp. $\frac{1}{4}$ sec. cor. Intersect W. bdy. of Tp. 10 lks. N. of the cor. of secs. 7, 12, 13 and 18, which is an iron post, 3 ins. diam., with brass cap, marked, set, and witnessed as described by the surveyor general.
69.77	Thence S.89°50'E., on a true line, bet. secs. 7 and 18, over rolling land, through timber and undergrowth. Wash, 20 lks. wide, 4 ft. deep, course S.80°W. Asc. gradually.
90.83	Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground, surrounded by a mound of stone, (impracticable to set post farther in the ground), for $\frac{1}{4}$ sec. cor., with brass cap, marked
	$\begin{array}{c} S \ 7 \\ \frac{1}{4} \text{-----} \\ S \ 18 \\ 1916 \end{array}$
	from which A cedar, 4 ins. diam., bears N.17°10'E., 263 lks. dist., marked $\frac{1}{4}$ S7 BT, and A cedar, 8 ins. diam., bears S.50°30'E., 95 lks. dist., marked $\frac{1}{4}$ S18 BT.
95.10	Ridge, 150 ft. above wash, bears N.30°E. and S.30°W.
109.60	Wash, 10 lks. wide, 4 ft. deep, course S.10°W.
117.25	Iron water troughs, bear N.50°W., 150 lks. dist.
130.83	The cor. of secs. 7, 8, 17 and 18.
	Land, rolling. Soil, rocky, 4th rate. Timber, cedar and palo verde. Undergrowth, scrub oak.

Subdivision of T. 22 N., R. 12 W.

Chains

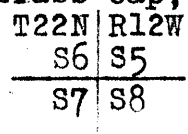
N.0°03'W., bet. secs. 7 and 8, over rolling land, through timber and undergrowth.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., with brass cap, marked



from which
A cedar, 10 ins. diam., bears S.48°10'E., 150 lks. dist., marked 1/4 S8 BT, and
A cedar, 12 ins. diam., bears S.36°30'W., 80 lks. dist., marked 1/4 S7 BT.

42.60 Wash, 10 lks. wide, 1 ft. deep, course S.30°W. Asc. 395 ft., to

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, surrounded by a mound of stone, (impracticable to set post farther in the ground), for cor. of secs. 5, 6, 7 and 8, with brass cap, marked



1916
from which
A cedar, 8 ins. diam., bears N.79°15'E., 79 lks. dist., marked T22N R12W S5 BT,
A cedar, 8 ins. diam., bears S.8°10'E., 230 lks. dist., marked T22N R12W S8 BT,
A cedar, 10 ins. diam., bears S.40°50'W., 116 lks. dist., marked T22N R12W S7 BT, and
A cedar, 20 ins. diam., bears N.9°50'W., 25 lks. dist., marked T22N R12W S6 BT.

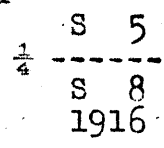
Land, rolling.
Soil, rocky; 4th rate.
Timber, cedar.
Undergrowth, scrub oak.

S.89°45'E., on a random line, bet. secs. 5 and 8, (the cor. of secs. 4, 5, 8 and 9 being visible).

40.00 Set temp. 1/4 sec. cor.
80.08 The cor. of secs. 4, 5, 8 and 9.

Thence N.89°45'W., on a true line, bet. secs. 5 and 8, over mountainous land, through timber and undergrowth. Desc. 525 ft.

17.93 Gulch, course S.70°W. Desc.
40.04 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, surrounded by a mound of stone, (impracticable to set post farther in the ground) for 1/4 sec. cor., with brass cap, marked



from which
A cedar, 8 ins. diam., bears N.5°20'E., 70 lks. dist., marked 1/4 S5 BT, and
A cedar, 6 ins. diam., bears S.61°15'W., 90 lks. dist., marked 1/4 S8 BT.

50.12 Wash, 320 ft. below 17.93 ch. pt., 40 lks. wide, 7 ft. deep, course S.60°W.

60.15 Wash, 50 lks. wide, 10 ft. deep, course S. Asc. 180 ft.
80.08 The cor. of secs. 5, 6, 7 and 8.

Land, rolling and mountainous. Soil, rocky; 4th rate.
Timber, cedar, piñon and palo verde. Undergrowth, oak.

Chains

40.00 N.89°50'W., on a random line, bet. secs. 6 and 7.
Set temp. $\frac{1}{4}$ sec. cor.

130.70 Intersect W. bdy. of Tp. 11 lks. N. of the cor. of secs. 1, 6, 7 and 12, which is an iron post, 3 ft. long, 3 ins. diam., with brass cap, marked, set, and witnessed as described by the surveyor general.

14.00 Thence S.89°53'E., on a true line, bet. secs. 6 and 7, over mountainous land, through timber and undergrowth.
Enter wash, 30 lks. wide, 5 ft. deep, course S.70°W.

17.75 Leave same.
Prospect hole bears N., 2 chs. dist.
Asc. 95 ft.

26.05 Wash, 10 lks. wide, 3 ft. deep, course S. Asc. 145 ft.

45.67 Wash, 20 lks. wide, 4 ft. deep, course S.10°W. Asc. 240 ft.

61.30 Spur slopes S.10°W. Desc. 50 ft.

68.50 Wash, 30 lks. wide, 3 ft. deep, course S.30°W. Asc. 75 ft.

79.25 Wash, 10 lks. wide, 1 ft. deep, course S.10°W. Asc. 120 ft.

90.70 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, surrounded by a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap, marked

S 6

 $\frac{1}{4}$
S 7
1916

from which
A cedar, 10 ins. diam., bears N.34°50'E., 53 lks. dist., marked $\frac{1}{4}$ S6 BT, and
A cedar, 8 ins. diam., bears S.58°20'W., 113 lks. dist., marked $\frac{1}{4}$ S7 BT.

90.88 Wash, 10 lks. wide, 1 ft. deep, course W. Asc. 365 ft.

108.30 Spur slopes SW. Asc. 25 ft.

113.40 Spur slopes S. Desc. 230 ft.

130.70 The cor. of secs. 5, 6, 7 and 8.

Land, mountainous.
Soil, rocky; 4th rate.
Timber, cedar, piñon and palo verde; scattering.
Undergrowth, scrub oak.

40.00 N.0°03'W., on a true line, bet. secs. 5 and 6, over mountainous land, through timber and undergrowth.
Ascend.
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

$\frac{1}{4}$
S6 | S5
1916

from which
A cedar, 14 ins. diam., bears N.36°45'E., 19 lks. dist., marked $\frac{1}{4}$ S5 BT, and
A cedar, 4 ins. diam., bears N.78°45'W., 49 lks. dist., marked $\frac{1}{4}$ S6 BT.

46.40 Main divide bears N.75°E. and S.75°W. Desc. 200 ft.

72.75 Ridge bears N.30°E. and S.30°W. Desc. 330 ft.

91.15 Intersect N. bdy. of Tp. 452 lks. N.89°58'E. of the cor. of secs. 32 and 33, hereinbefore described.

At point of intersection
Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground, surrounded by a mound of stone, (impracticable to set post farther in the ground) for closing cor. of secs. 5 and 6, with brass cap, marked

Subdivision of T. 22 N., R. 12 W.

Chains

T23N R12W
 S33
 S6 S5
 T22N R12W
 C C
 1916

and raise a mound of stone, 4 ft. base, 3 ft. high,
 S. of cor.

Land, mountainous.
 Soil, rocky; 4th rate.
 Timber, cedar and piñon.
 Undergrowth, scrub oak.

Boundaries of T. 22 N., R. 12 W.
Latitudes, Departures, and Closing Errors.

Line designated	True Course	Dist. Chs.	Latitudes		Departures	
			N. chs.	S. chs.	E. chs.	W. chs.
South Boundary	S. 89° 55' W.	14.70		.02		14.70
South Boundary	N. 89° 55' W.	516.27	.75			516.27
West Boundary	North	490.50	490.50			
North Boundary	N. 89° 58' E.	446.27	.26		446.27	
	S. 89° 52' E.	84.81		.20	84.81	
East Boundary	South	492.02		492.02		
Convergency					.58	
Totals			491.51	492.24	531.66	530.97
				491.51	530.97	
Error in latitude,				.73		
	Error in departure,				.69	

General Description.

With the exception of the SW. portion, this township is mountainous. A high ridge, from 1200 to 1500 ft. above valley in SW. portion, forms a watershed dividing the drainage to the N. and E. from that to the SW. and W. This ridge runs northerly from the S. bdy. of sec. 34 to the SW. part of sec. 11, and thence westerly, leaving the township in the SW. part of sec. 6.

The soil is rocky and 4th rate in the mountains, and of slightly better quality in the valley; 3rd rate.

The vegetation consists of fair grass during part of the season, cedar, piñon, palo verde, chamizo, catclaw, cactus and scrub oak.

Water exists in small streams in the SE. part of the township, in sec. 22, near SW. cor., and at a spring at N. B. Tyree's ranch, near the center of sec. 15. This ranch, with work shop, corrals and house, is the only evidence of settlement.

No indications of mineral were noted.

Book "E"

BOOK 3091

Group 51 - - - Arizona.

DATE DIAGRAM.

4-25-16 4-24-16		4-24-16		4-24-16		4-24-16 4-22-16		4-22-16	
6	4-27-16	5	4-24-16	4	4-28-16	3	4-28-16	2	4-21-16
4-26-16	4-28-16	4-28-16	4-24-16	4-27-16	4-21-27-16	4-21-16	4-21-16	4-21-16	4-21-16
7	4-25-26-16	8	4-23-16	9	4-19-16	10	4-27-16	11	4-20-16
4-25-16	4-22-16	4-22-16	4-22-16	4-19-16	4-20-16	4-20-16	4-20-16	4-20-16	4-20-16
18	4-25-16	17	4-20-22-16	16	4-19-16	15	4-15-16	14	4-15-16
4-21-16	4-21-16	4-20-22-16	T.22N.	4-17-16 &	R.12W.	4-15-16	4-15-16	4-15-16	4-14-16
19	4-21-16	20	4-20-16	21	4-17-16	22	4-13-16	23	4-14-16
4-19-16	4-20-16	4-17-16	4-13-16	4-13-16	4-13-16	4-14-16	4-14-16	4-11-16	4-11-16
30	4-19-16	29	4-17-16	28	4-13-16	27	4-10-16	26	4-8-16
4-15-16	4-18-16	4-14-16	4-15-16	4-13-16	4-13-16	4-10-16	4-10-16	4-7-16	4-7-16
31	4-18-16	32	4-14-16	33	4-12-16	34	4-10-16	35	4-7-16
4-18-16	4-14-16	4-12-16	4-10-16	4-7-16	4-7-16	4-7-16	4-7-16	4-7-16	4-7-16

— Lines dated in red were surveyed by Walter D. Long, U.S. Surveyor.

— Lines dated in blue were surveyed by James C. Hooper, U. S. Transitman.

BOOK 3091

CERTIFICATE OF UNITED STATES SURVEYOR TRANSITMAN.

I, James C. Hooper, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Group 51, Arizona, bearing date of the 23rd day of February, 1915, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the Subdivision lines of

TOWNSHIP 22 NORTH, Range 12 West,

of the Gila and Salt River

Base and Meridian, in the State of Arizona, which are represented in the diagram on page 42 hereof, and in the foregoing field notes as having been executed by me, and under my direction; and that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for Group 51, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

James C. Hooper

U. S. Surveyor Transitman.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

, 191

The foregoing field notes of the survey of

executed by

under his special instructions dated, 191, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

U. S. Surveyor General.

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

U. S. Surveyor General.

CERTIFICATE OF UNITED STATES SURVEYOR.

BOOK 3091

I, Walter D. Long, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Group 51, Arizona, bearing date of the 23rd, February, 1915, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the South boundary of TOWNSHIP 23 NORTH, RANGE 12 WEST, and the Subdivision lines of

TOWNSHIP 22 NORTH, RANGE 12 WEST,

of the Gila and Salt

River Base & Meridian, in the State of Arizona, which are represented in by the diagram on page 42 hereof, and in the foregoing field notes as having been executed by me, and under my direction; and that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for Group 51, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Walter D. Long
U. S. Surveyor.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, July 18, 1918

The foregoing field notes of the survey of the South boundary of TOWNSHIP 23 NORTH, RANGE 12 WEST, and Subdivision lines of TOWNSHIP 22 NORTH, RANGE 12 WEST,

of the Gila and Salt River Base and Meridian, in the State of Arizona,

executed by Walter D. Long, U.S. Surveyor, and James C. Hooper, U.S. Transitman, under his special instructions dated Feby. 23, 1915, for Group 51, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

James C. Hooper
U. S. Surveyor General.

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

U. S. Surveyor General.