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Book "A"
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BOOK 3155

BOOK 3155

FIELD NOTES

OF THE SURVEY OF THE

A PORTION OF THE SUBDIVISION LINES OF TOWNSHIP 20 NORTH, RANGE 4 WEST,

AND THE RESURVEY OF

THE 5th STANDARD PARALLEL NORTH, THROUGH RANGE 4 WEST,

THE 1st GUIDE MERIDIAN WEST, THROUGH TOWNSHIP 20 NORTH,

A PORTION OF THE SOUTH BOUNDARY OF TOWNSHIP 20 NORTH, RANGE 4 WEST,

A PORTION OF THE WEST BOUNDARY OF TOWNSHIP 20 NORTH, RANGE 3 WEST,

AND

A PORTION OF THE SUBDIVISION LINES OF TOWNSHIP 20 NORTH, RANGE 4 WEST.

Of the Gila and Salt River Base and Meridian,

In the State of Arizona,

EXECUTED BY

Fred Mensch, U. S. Surveyor,

and

William R. Johnston, U. S. Transitman.

~~In the capacity of U. S. Surveyor~~, under instructions dated October 5, 1915,

issued by the United States Surveyor General to govern surveys included in

Group No. 62, which were approved by the Commissioner of the General Land

Office, November 3, 1915.

~~Survey Commenced~~ February 12, 1916.

~~Survey Completed~~ March 7, 1916.

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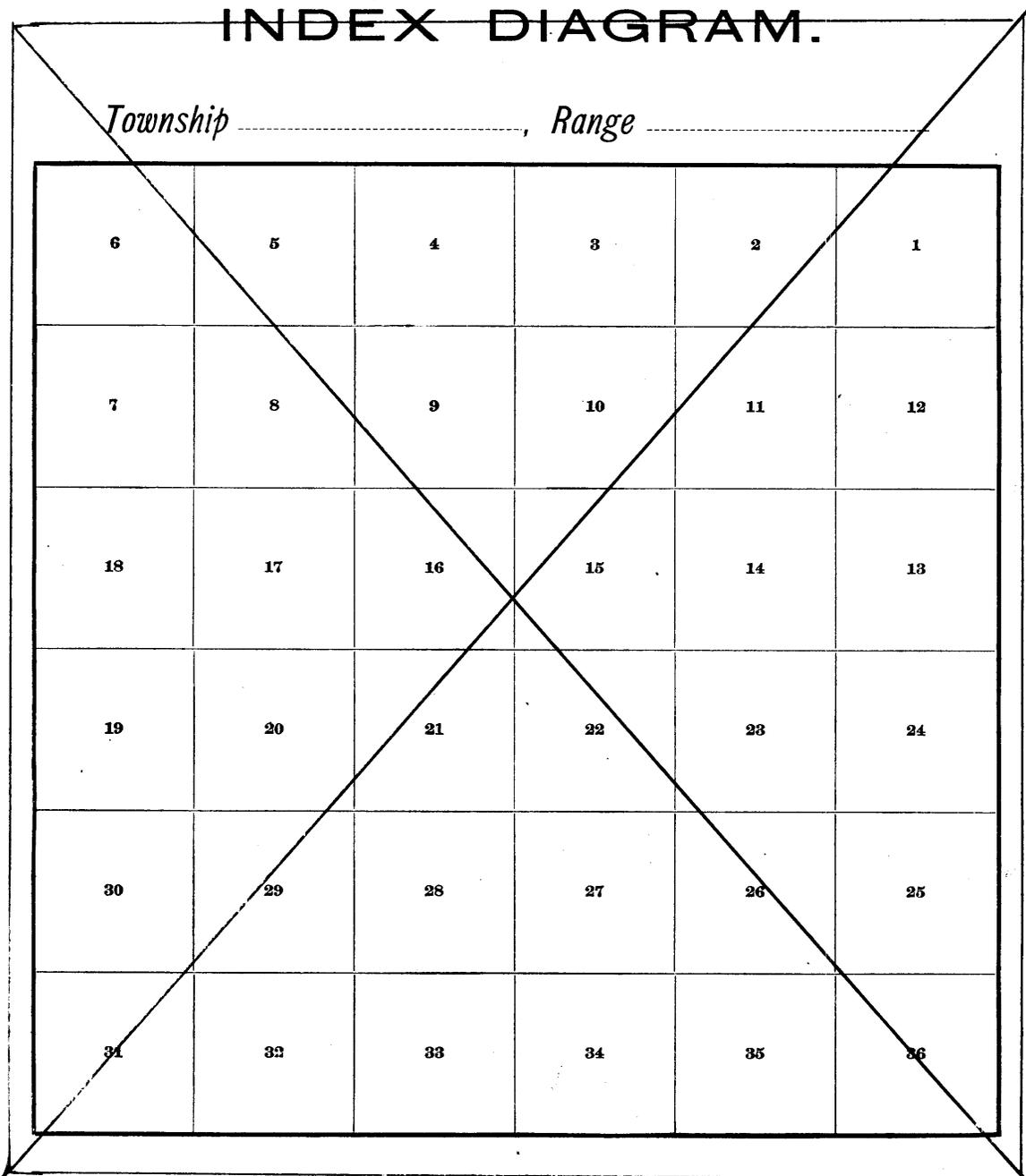
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Group 62, - - Arizona.

(See special index diagram.)

INDEX DIAGRAM.



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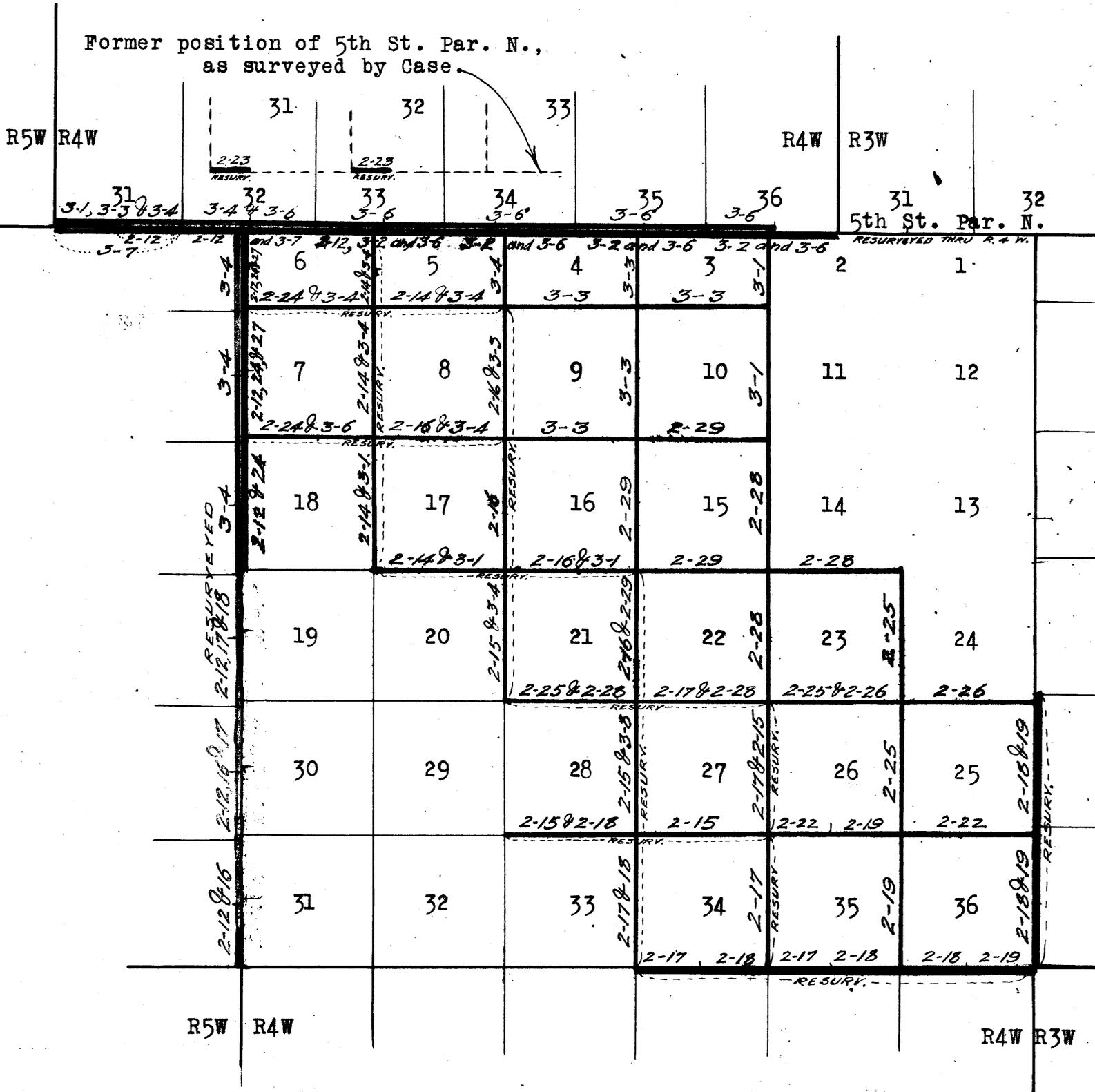
Book "A"

Group 62, -- Arizona.

Township 20 North, Range 4 West.

DATE DIAGRAM

Former position of 5th St. Par. N.,
as surveyed by Case.



Surveys and resurveys executed on dates shown in red on above diagram by Fred Mensch, U. S. Surveyor.

Surveys and resurveys executed on dates shown in green on above diagram by Wm. R. Johnston, U. S. Transitman.

Work executed in 1916.

Resurvey of 5th St. Par. N., through R. 4 W.

Resurvey of 1st G. M. W., through T. 20 N.,

Resurvey of Portion of S. Bdy. of T. 20 N., R. 4 W.,

Resurvey of Portion of W. Bdy. of T. 20 N., R. 3 W., and

Resurvey and Survey of Portion of Subdivisional Lines, T. 20 N., R. 4 W.

3

Work executed on dates shown on diagram on page 2 of this book, by Fred Mensch, U. S. Surveyor, using a W. & L. E. Gurley solar compass, (not numbered) and Wm. H. Johnston, U. S. Transitman, using a Young and Sons transit No. 8589, with Smith solar attachment. Both instruments are provided with two double verniers placed opposite to each other, reading to single minutes of arc, which is the least count of the verniers of the latitude and declination arcs of the transit, and of the latitude arc of the solar compass. The declination arc of the latter reads to half minutes.

The instruments were approved, subject to satisfactory field tests, a record of which follows herein, by the Assistant Supervisor of Surveys, District No. 5, on Feb. 3, 1916.

Test of Instruments, by Fred Mensch.

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

Feb. 11, 1916.

At my camp in the center of sec. 18, T. 20 N., R. 4 W., in lat. $35^{\circ}08'N.$; long. $112^{\circ}43'W.$; I set off $35^{\circ}08'$ on the lat. arc, and $14^{\circ}11'S.$ on the decl. arc of each instrument; and at 3h 00m, p.m., l.m.t., determine a meridian with each solar, the indications being identical. I mark a point in the same on a stake driven firmly in the ground 5 chs. N. of my station.

At 10h 2m, 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 on a stake firmly set in the ground 5 chs. N. of my station.

Feb. 12, 1916.

At 8h 00m, a.m., I turn off the azimuth of Polaris $1^{\circ}23'$ to the east. The true meridian thus determined coincides with the line defined by the solars on Feb. 11.

At 9h 00m, a.m., l.m.t., I set off $35^{\circ}08'$ on the lat. arc, and $13^{\circ}56\frac{1}{2}'S.$ on the decl. arc of each instrument and determine a meridian with each solar, both of which agree with that determined by the Polaris observation.

From the above described indications, I conclude that the adjustments of the instruments are satisfactory. These adjustments were thereafter frequently checked and maintained throughout the survey by similar tests.

All measurements were made with 5 chain steel tapes, correcting measurements made on sloping ground to the horizontal by reductions according to vertical angles as measured with clinometers.

The magnetic variation is $15^{\circ}30' E.$

Resurvey of 5th St. Par. N., through R. 4 W.

Chains

The 5th St. Par. N., through Rs. 4 and 5 W., was originally surveyed by O. H. Case, in 1872, and the partial subdivision of T. 20 N., R. 4 W., and the 1st. G. M. W., surveyed by C. B. Foster, in 1876, were closed against this line.

In surveying the Tps. N. of the parallel, in 1883, U. S. Deputy Surveyor J. T. Smith failed to find the corners of the Case survey, and established a complete new set of corners approximately 35 chains south of the position of the original line; initiating therefrom the township and subdivision lines pertaining to the area N. of same.

Preliminary to commencing surveys in Tps. 20 N., Rs. 4 and 5 W., I retrace and resurvey the 5th St. Par. N. as surveyed by Smith, as follows:

I commence at the standard cor. of Tps. 21 N., Rs. 3 and 4 W., established by Smith in 1883, which is a malpais stone, 16x14x6 ins., set in a mound of stone on solid rock, marked as described by the Surveyor General, and witnessed by two bearing trees, not mentioned in the original notes, as follows:

- A cedar, 6 ins. diam., bears N.56½°E., 48 lks. dist., marked T21N R3W S31 BT.
- A cedar, 16 ins. diam., bears N.0¼°W., 37 lks. dist., marked T21N R4W S36 BT.

Thence N.89°57'W., on S. bdy. of sec. 36, over mountainous land.

- .10 Rim of canyon, bears NW. and SE.; desc. steep rocky SW. slope to Partridge Creek.
- 6.40 Ft. of steep descent; desc. gradually.
- 9.00 Partridge Creek, 50 lks. wide, course NW.; desc. gradually along creek bottom.
- 27.25 Partridge Creek, 50 lks. wide, course SE.
- 31.80 Ft. of rocky point, slopes S.
- 40.35 Partridge Creek, 50 lks. wide, course NW.
- 40.55 True pt. for standard ¼ sec. cor., (missing) on low gravel bed of creek, subject to overflow, where a permanent monument cannot be established. Therefore at
- 41.40 Establish witness cor. as follows:
 - Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for witness cor. to missing standard ¼ sec. cor., with brass cap, marked

SC
 $\frac{1}{4}$ S36
 WC

1916

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

- 45.65 Thence asc. steep rocky NE. slope of Partridge Creek Canyon. Rim of canyon bears NW. and SE.; thence over rolling land, through scattering timber.

- 81.10 The standard cor. of secs. 35 and 36, which is a malpais stone, 18x16x5 ins., firmly set in a mound of stone, marked and witnessed as described by the Surveyor General. Slight discrepancy noted regarding bearing trees. I reestablish this cor. as follows: With the original stone Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, with brass cap, marked

SC
 T21N | R4W
 S35 | S36

1916

from which
 A cedar, 12 ins. diam., bears N.70°E., 180 lks. dist., marked T21N R4W S36 BT (original bearing tree)

Resurvey of 5th St. Par. N. through R. 4 W.

Chains

A cedar, 4 ins. diam., bears N.2°W., 74 lks. dist., marked T21N R4W S35 BT.

Land, mountainous and rolling.
Soil, to 7 chs., rocky, 4th rate; to 40 chs., sandy loam, medium texture, 2nd rate; to 50 chs., rocky, 4th rate; remainder, sandy loam, quite stony, 3rd rate.
Timber, cedar.
Undergrowth, greasewood and rabbit brush.

S.89°23'W., on S. bdy. of sec. 35, over rolling land, through scattering timber and undergrowth.

- 15.00 Enter dense timber, bears N. and S.
- 20.40 Dry ravine, 2 chs. wide, 25 ft. deep, course NW.
- 25.60 Leave dense and enter scattering timber, bearing N. and S.
- 40.08 Intersect old standard 1/4 sec. cor., which is a sandstone, 20x12x8 ins., firmly set in a mound of stone, marked and witnessed as described by the Surveyor General. I reestablish this cor. as follows:
With original stone, set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, with brass cap, marked

SC
1/4S35

1916

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.

Thence S.89°24'W., on W. half of S. bdy. of sec. 35.
7.40 Leave scattering timber, bearing N. and S.; begin descent of rocky W. slope into Partridge Creek Canyon.

- 20.40 Ft. of steep descent.
- 20.90 Partridge Creek, 50 lks. wide, course SW.; asc. steep rocky SE. slope.

- 40.00 Rim of canyon bears NE. and SW.
- 41.72 The standard cor. of secs. 34 and 35, which is a malpais stone, 20x12x6 ins., firmly set in a mound of stone, marked as described by the Surveyor General. I reestablish cor. as follows:

With original stone, set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, with brass cap, marked

SC
T21N | R4W
S34 | S35

1916

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.

Land, rolling and mountainous.
Soil, rocky; 4th rate.
Timber, cedar and pinyon.
Undergrowth, greasewood, catclaw and rabbit brush.

S.89°44'W., on S. bdy. of sec. 34, over mountainous land, descending gradual SW. slope.

- 10.00 Begin steep descent into Partridge Creek Canyon.
- 30.00 Partridge Creek, 75 lks. wide, course NW.; descend along S. side of same.

Resurvey of 5th St. Par. N., through R. 4 W.

Chains

35.50 Partridge Creek, 75 lks. wide, course SW.; asc. steep rocky wall of canyon.
 36.40 Rim of canyon, bears NE. and SW.; asc. gradually.
 41.08 The standard $\frac{1}{4}$ sec. cor., which is a malpais stone, 14x11x5 ins., firmly set in a mound of stone, marked and witnessed as described by the Surveyor General. I reestablish same as follows:
 With original cor., set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, with brass cap, marked

SC
 $\frac{1}{4}$ S34

1916

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

Thence S.88°44'W., on W. half of S. bdy. of sec. 34, over rolling land.

26.07 Rim of small canyon, bearing N. and S.; desc.
 29.40 Bottom of canyon; dry wash, 10 lks. wide, course S.; asc.
 32.80 Rim of canyon, bearing N. and S.; thence over rolling land.
 40.51 The standard cor. of secs. 33 and 34, which is a malpais stone, 16x14x6 ins., firmly set in a mound of stone, marked and witnessed as described by the Surveyor General. I reestablish same as follows:
 With original stone, set an iron post, 3 ft long, 3 ins. diam., 24 ins. in the ground, with brass cap, marked

SC
 T21N | R4W
S33 | S34

1916

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

Land, mountainous and rolling.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, rabbit brush and greasewood.

S.89°09'W., on S. bdy. of sec. 33, over rolling land, descending slight W. slope.
 26.00 Ft. of descent; enter Chino Valley, bearing N. and S. Thence over gently rolling land.
 40.08 The standard $\frac{1}{4}$ sec. cor., which is a malpais stone, 20x8x6 ins. loosely set, marked as described by the Surveyor General. I reestablish same as follows:
 With original stone, set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, with brass cap, marked

SC
 $\frac{1}{4}$ S33

1916

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

40.04 Thence S.88°43'W., on W. half of S. bdy. of sec. 33. The standard cor. of secs. 32 and 33, which is a limestone rock, 10x15x8 ins. above ground, marked as described by the Surveyor General. I reestablish same as follows:

Resurvey of 5th St. Par. N., through R. 4 W.

7

Chains

With original stone, set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, with brass cap, marked

SC
T21N | R4W
S32 | S33

1916

dig pits, 24x18x12 ins., crosswise on each line, E. and W., 3 ft., and N. of stone, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, N. of cor.

Land, rolling.

Soil, to 26 chs., stony, 3rd rate; remainder, deep sandy loam, mixed with fine gravel, 2nd rate.

No timber.

Undergrowth, rabbit brush.

31.50
40.12

S.88°37'W., on S. bdy. of sec. 32, over gently rolling prairie land.
Wash, 10 lks. wide, 3 ft. deep, course S.
The standard $\frac{1}{4}$ sec. cor., which is identified by a small mound of stone with marked stake; no marked stone being found. I reestablish cor. as follows:
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, with brass cap, marked

SC
 $\frac{1}{4}$ S32

1916

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;

37.80
39.00
40.02

Thence S.89°14'W., on W. half of S. bdy. of sec. 32.
Road to Seligman, bears NW. and SE.
Wash, 30 lks. wide, 2 ft. deep, course SE.
Reestablish standard cor. of secs. 31 and 32, which is missing, as follows:
Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, with brass cap, marked

SC
T21N | R4W
S31 | S32

1916

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

Land, rolling.

Soil, deep sandy loam, mixed with fine gravel; 2nd rate.

No timber.

Undergrowth, rabbit brush.

40.02

S.89°14'W., on S. bdy. of sec. 31, over gently rolling land.
The standard $\frac{1}{4}$ sec. cor., which is a malpais stone, 18x8x7 ins., loosely set, marked as described by the Surveyor General. I reestablish same as follows:

Resurvey of 5th St. Par. N., through R. 4 W.

Chains

With original stone, set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, with brass cap, marked

SC
 $\frac{1}{2}$ S31

1916

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

40.02

Thence S.89°22'W., on W. half of S. bdy. of sec. 31. The standard cor. of Tps. 21 N., Rs. 4 and 5 W., which is a malpais stone, 13x8x6 ins., loosely set, marked as described by the Surveyor General. I reestablish same as follows:

With original stone, set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, with brass cap, marked

SC
 T21N
 R5W | R4W
 S36 | S31

1916

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

Land, rolling.

Soil, deep sandy loam, mixed with fine gravel; 2nd rate.

No timber.

Undergrowth, rabbit brush.

Resurvey of 1st G. M. W., through T. 20 N.

I begin at the cor. of Tps. 19 and 20 N., Rs. 4 and 5 W., which is a cedar post, properly marked, set in a mound of stone; and which I reestablish as follows:

Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, with brass cap, marked

T20N
 R5W | R4W
 S36 | S31
 S1 | S6

1916

dig pits, 24x24x12 ins. on each line, N., E. and W., 4 ft. and S. of post 8 ft. dist.; and raise a mound of earth, 5 ft. base, $2\frac{1}{2}$ ft. high, S. of cor.

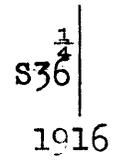
Thence N.1°49'W., on W. bdy. of sec. 31, T. 20 N., R. 4 W., over gently rolling land.

- 15.75 Desc. on NW. slope.
- 24.75 Ft. of slope; enter draw, course NE.
- 30.00 Leave same; asc. on S. slope.
- 32.75 Low spur, sloping E.; desc. on N. slope.
- 35.40 Ft. of slope; thence across flat.
- 38.00 Leave flat and asc. on SE. slope.
- 39.75 Summit of ascent; thence over gently rolling land.

Resurvey of 1st G. M. W. through T. 20 N.

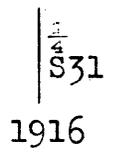
Chains

40.02 (40.00 chs. N. of Tp. cor.) establish $\frac{1}{4}$ sec. cor. of sec. 36 only, as follows:
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, with brass cap, marked



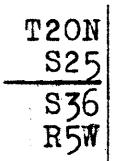
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

41.27 The old $\frac{1}{4}$ sec. cor., which is a limestone, 12x12x6 ins., loosely set, marked as described by the Surveyor General. I reestablish this cor. to pertain solely to sec. 31, as follows:
With original stone, set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, with brass cap, marked



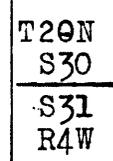
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor.

38.75 Thence N.0°13'W., on N. half of W. bdy. of sec. 31. (80.00 chs. N. of Tp. cor.) establish cor. of secs. 25 and 36 as follows:
Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, with brass cap, marked



1916

40.24 dig pits, 24x24x12 ins., in each sec., 6 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. The old cor. of secs. 25, 30, 31 and 36, which is a limestone rock, 14x10x6 ins., loosely set, marked as described by the Surveyor General. I reestablish this cor. to pertain solely to secs. 30 and 31, as follows:
With original stone, set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, with brass cap, marked



1916

dig pits, 24x24x12 ins. in each sec., 6 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, E. of cor.

Land, rolling.
Soil, gravelly clay loam; 2nd and 3rd rate.
No timber.
Undergrowth, rabbit brush.

30.90 N.0°33'W., on W. bdy. of sec. 30, descending gradually over rolling land.
Wash, 30 lks. wide, course NE.

10

Resurvey of 1st G. M. W., through T. 20 N.

Chains

38.51 (40.00 chs. N. of the cor. of secs. 25 and 36) establish $\frac{1}{4}$ sec. cor. of sec. 25 only as follows:
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, with brass cap, marked

$$\begin{array}{c} \frac{1}{4} \\ \hline S25 \end{array}$$

1916

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

40.27 The old $\frac{1}{4}$ sec. cor., which is a limestone, 14x10x8 ins., loosely set, marked as described by the Surveyor General. I reestablish this cor. to pertain solely to sec. 30 as follows:

With original stone, set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, with brass cap, marked

$$\begin{array}{c} \frac{1}{4} \\ \hline S30 \end{array}$$

1916

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

38.24 Thence N.0°15'W., on N. half of W. bdy. of sec. 30. (80.00 chs. N. of the cor. of secs. 25 and 36) establish cor. of secs. 24 and 25 as follows:
Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, with brass cap, marked

$$\begin{array}{c} T20N \\ \hline S24 \\ \hline S25 \\ R5W \end{array}$$

1916

39.63 dig pits, 24x24x12 ins. in each sec., 6 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. The old cor. of secs. 19, 24, 25 and 30, located by reference to marked stake originally set in SE. pit. I reestablish this cor. as cor. of secs. 19 and 30 only, as follows:

Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, with brass cap, marked

$$\begin{array}{c} T20N \\ \hline S19 \\ \hline S30 \\ R4W \end{array}$$

1916

dig pits, 24x24x12 ins., in each sec., 6 ft. dist., and raise a mound of earth, 4 ft. base, $1\frac{1}{2}$ ft. high, E. of cor;

Land, rolling.

Soil, stony clay and sandy loam, 2nd and 3rd rate.

No timber.

Undergrowth, scanty rabbit brush and cactus.

6.46 Thence N.1°01'W., on W. bdy. of sec. 19, descending gradually over rolling land.
Wire fence, bearing E. and W.

Resurvey of 1st G. M. W., through T. 20 N.

Chains

38.62 (40.00 chs. N. of the cor. of secs. 24 and 25) establish $\frac{1}{4}$ sec. cor. of sec. 24, as follows:
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, with brass cap, marked

$\frac{1}{4}$
S24

1916

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.

40.38 The old $\frac{1}{4}$ sec. cor., which is a charred stake, with pits and mound nearly obliterated. I reestablish this cor. to pertain solely to sec. 19, as follows:

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

$\frac{1}{4}$
S19

1916

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, E. of cor.

5.23 Thence N.0°20'W., on N. half of W. bdy. of sec. 19. Ft. of gradual descent; leave low rolling hills and enter Chino valley, bearing NW. and SE.

15.73 Wire fence bears NW. and SE.

17.53 Old road, bears NW. and SE.

24.28 Road from Seligman to Prescott bears NW. and SE.

38.24 (80.00 chs. N. of the cor. of secs. 24 and 25) establish cor. of secs. 13 and 24, as follows;

Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of secs. 13 and 24, with brass cap, marked

T20N
S13

S24
R5W

1916

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

40.40 The old cor. of secs. 13, 18, 19 and 24, marked by a small mound of stone, and identified as corner point. I reestablish this cor. as the cor. of secs. 18 and 19 only, as follows:

Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, with brass cap, marked

T20N
S18

S19
R4W

1916

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

Land, rolling and level.

Soil, to 47 chs., gravelly; 3rd rate; remainder, deep sandy loam, fine texture; 2nd rate.

No timber.

Undergrowth, rabbit brush and cactus.

Chains

37.88 N. 2° 25' W., on W. bdy. of sec. 18, over level land.
 (40.00 chs. N. of the cor. of secs. 13 and 24) establish $\frac{1}{4}$ sec. cor. of sec. 13, as follows:
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, with brass cap, marked

$\frac{1}{4}$
 S13
 1916

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.

39.60 Right bank of Chino Creek wash--water in holes--course E.
 40.26 $\frac{1}{2}$ True point for $\frac{1}{4}$ sec. cor., in Chino Creek wash. It is impracticable to permanently reestablish the missing cor., so I return to point on right bank of wash and establish a witness cor., pertaining solely to sec. 18, as follows:

39.47 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, with brass cap, marked

W C
 $\frac{1}{4}$
 S18
 1916

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, E. of cor.

40.60 Leave Chino Creek wash, course E.
 42.94 Wash, 10 lks. wide, course E.
 45.84 Begin ascent of S. slope.
 51.84 Summit of ascent; thence over rolling mesa.
 77.92 (80.00 chs. N. of the cor. of secs. 13 and 24) establish cor. of secs. 12 and 13, as follows:
 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, with brass cap, marked

T20N
 S12
 S13
 R5W

1916

80.53 dig pits, 24x24x12 ins., in each sec., 6 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. The old cor. of secs. 7, 12, 13 and 18, now marked by a small mound of stone--evidently the "mound of earth" denuded of soil--and dim remains of pits. I reestablish this cor. as cor. of secs. 7 and 18 only, as follows:
 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, with brass cap, marked

T20N
 S7
 S18
 R4W

1916

dig pits, 24x24x12 ins., in each sec., 6 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, E. of cor.

Land, level and rolling.
 Soil, to 48 chs., deep sandy loam, fine texture, 2nd rate; remainder, deep sandy loam, mixed with fine gravel, 2nd and 3rd rate.
 No timber. Undergrowth, rabbit brush.

Resurvey of 1st G. M. W. through T. 20 N

13

Chains

No corners were found on the 1st G. M. W. north of the one just described, and at approximately 2 miles north, on retracing E. and W., I find the standard cor. of Tps. 21 N., Rs. 4 and 5 W., the standard cors. of secs. 31 and 32 and of 32 and 33, and the standard $\frac{1}{4}$ sec. cors. on S. bdrs. of secs. 32 and 33, which are all stones, properly marked and witnessed, and at approximately correct distances, as described by the Surveyor General. These are the cors. on the 5th St. Par. N. which were established by Case, and which Smith failed to find, as hereinbefore described. The standard $\frac{1}{4}$ sec. cor. on the S. bdy. of sec. 31 is missing, as is also the closing cor. of Tps. 20 N., Rs. 4 and 5 W., on 1st G. M. W., and the closing cor. of secs. 5 and 6, T. 20 N., R. 4 W. As these closing cors. determine the length and bearing of the respective lines from the south terminated by them, I reestablish them at the correct proportionate distances as follows:

At position of old closing cor. of Tps. 20 N., Rs. 4 and 5 W., a point on the old parallel 10.22 chs. N. $89^{\circ}31'$ E. of the standard cor. of Tps. 21 N., Rs. 4 and 5 W. as established by Case, set a basalt stone, 15x12x8 ins., 10 ins. in the ground, for reference point, marked RP on S. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of stone.

At position of old closing cor. of secs. 5 and 6, T. 20 N., R. 4 W., on the old standard parallel as established by Case, at a point 7.20 chs. N. $89^{\circ}24'$ E. from the old standard cor. of secs. 31 and 32, set a basalt stone, 15x10x8 ins., 10 ins. in the ground, for reference point, marked RP on S. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of stone.

I return to the reestablished cor. of secs. 7 and 18, and proceed with the resurvey of the 1st G. M. W. as follows:

N. $4^{\circ}13'$ W., on W. bdy. of sec. 7,
over rolling land.
37.50 (40.00 chs. N. of the cor. of secs. 12 and 13) establish
 $\frac{1}{4}$ sec. cor. of sec. 12 as follows:
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, with brass cap, marked

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

$$S12$$

1916

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.

40.11 Reestablish missing $\frac{1}{4}$ sec. cor. as $\frac{1}{4}$ sec. cor. of sec. 7
only, as follows:
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, with brass cap, marked

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

$$S7$$

1916

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,
E. of cor.

77.61 (80.00 chs. N. of the cor. of secs. 12 and 13) establish
cor. of secs. 1 and 12, as follows:
Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the
ground, with brass cap, marked

14

Resurvey of 1st G. M. W., through T. 20 N.

Chains

T20N
S1
S12
R5W

1916

- 80.22 dig pits, 24x24x12 ins., in each sec., 6 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Reestablish missing cor. as cor. of secs. 6 and 7 only, as follows:
Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, with brass cap, marked

T20N
S6
S7
R4W

1916

- dig pits, 24x24x12 ins., in each sec., 6 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, E. of cor.
Land, rolling.
Soil, deep sandy loam, medium texture, mixed with fine gravel; 2nd and 3rd rate.
No timber.
Undergrowth, rabbit brush.

- 27.50 N.4°13'W., on W. bdy. of sec. 6, over rolling land.
Road to Seligman bears NW. and SE.; leave rolling and enter level land, bearing NW. and SE.
37.50 (40.00 chs. N. of the cor. of secs. 1 and 12) establish $\frac{1}{4}$ sec. cor. of sec. 1 as follows:
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, with brass cap, marked

$\frac{1}{4}$
S1

1916

- 40.11 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.
Reestablish missing $\frac{1}{4}$ sec. cor. as $\frac{1}{4}$ sec. cor. of sec. 6 only, as follows:
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, with brass cap, marked

$\frac{1}{4}$
S6

1916

- 47.64 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, E. of cor.
Intersect 5th St. Par. N., established by Smith in 18⁸³, 13.42 chs. S.89°14'W. of the reestablished standard $\frac{1}{4}$ sec. cor. on S. bdy. of sec. 32, T. 21 N., R. 4 W., hereinbefore described.
Secs. 5 and 6 of T. 20 N., R. 4 W. being unentered, and no other lines being closed on the Case standard; and a considerable portion of the area north of the Smith standard being entered, I terminate the 1st. G. M. W. at the point of intersection with said Smith standard,

Resurvey of 1st G. M. W., through T. 20 N. 15

Chains

(approved by the Surveyor General of Arizona in letter dated March 3, 1916) and establish closing cor. as follows: Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for closing cor. of Ts. 20 N., Rs. 4 and 5 W., with brass cap, marked

T21N R 4W
S32
S1 S6
R5W R4W
T20N
CC
1916

dig pits, 30x24x12 ins., crosswise on each line, E. and W., 4 ft., and S. of post, 8 ft. dist., and raise a mound of earth, 5 ft. base, 2 1/2 ft. high, S. of cor. Former closing cor. of Ts. 20 N., Rs. 4 and 5 W., on the "Case" Parallel--reestablished for reference pt., as hereinbefore described--brs. N.4°13'W., 35.17 chs. dist.

Land, rolling and level.

Soil, deep sandy loam, medium texture, mixed with fine gravel; 2nd and 3rd rate.

No timber.

Undergrowth, rabbit brush.

Resurvey of Portion of S. Bdy. of T. 20 N., R. 4 W.

I begin at the cor. of secs. 3, 4, 33 and 34, on S.bdy. of Tp., which is a limestone, 12x10x8 ins., loosely set, properly marked, instead of a post as described in the original record. I reestablish this cor. as follows:

With stone, set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, with brass cap, marked

T20N R 4W
S33 S34
S4 S3
T19N
1916

dig pits, 24x24x12 ins., in each sec., 6 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Thence N.89°44'E., on S. bdy. of sec. 34, over gently rolling prairie land.

12.15
40.05

Wash, 20 lks. wide, 3 ft. deep, course S. The 1/4 sec. cor., which is a stake set in a small mound of stone, marked as described by the Surveyor General. I reestablish this cor. as follows:

With stake, set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, with brass cap, marked

1/4 S34
S 3

1916

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.

40.07

Thence EAST, bet. E. halves of secs. 3 and 34. Reestablish missing cor. of secs. 2, 3, 34 and 35 as follows:

Chains

Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, with brass cap, marked

T20N	R4W
S34	S35
S3	S2

T19N
1916

dig pits, 18x18x12 ins., in each sec., 5½ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Land, gently rolling.

Soil, deep sandy loam, mixed with fine gravel; 2nd rate.

No timber.

Undergrowth, rabbit brush.

EAST, bet. secs. 2 and 35, ascending gradually over rolling land.

30.50
40.07

Wash, 25 lks. wide, 2 ft. deep, course SW.

The old ¼ sec. cor., which is a stake 2 ins. sq., 10 ins. above ground, marked as described by the Surveyor General.

I reestablish this cor. as follows:

With stake, set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, with brass cap, marked

¼	S35
	S 2

1916

dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, 3½ ft. base, 1½ ft. high, N. of cor.

27.28
34.33
38.83
40.13

Thence N.89°49'E., bet. E. halves of secs. 2 and 35.

Wash, 25 lks. wide, 2½ ft. deep, course SW.

Wash, 15 lks. wide, 3 ft. deep, course SW.

Wash, 20 lks. wide, 5 ft. deep, course S.

Reestablish missing cor. of secs. 1, 2, 35 and 36, as follows:

Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, with brass cap, marked

T20N	R 4W
S35	S36
S2	S1

T19N
1916

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

Land, rolling.

Soil, deep sandy loam, mixed with fine gravel; 2nd rate.

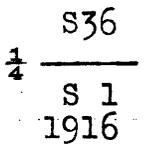
No timber.

Undergrowth, rabbit brush.

Resurvey of Portion of S. Bdy., T. 20 N., R. 4 W.

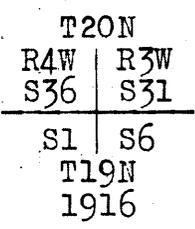
Chains

N. 89°49'E., bet. secs. 1 and 36,
 over rolling land.
 17.00 Begin ascent of gradual SW. slope.
 27.90 Wash, 15 lks. wide, 3 ft. deep, course SW.; asc. hill,
 on SW. slope.
 35.00 Summit of ascent; thence over rolling land.
 40.13 The old $\frac{1}{4}$ sec cor., which is a limestone rock, 13x10x6
 ins., loosely set, marked as described by the Surveyor
 General. I reestablish cor. as follows:
 With stone, set an iron post, 3 ft. long, 1 in. diam.,
 26 ins. in the ground, with brass cap, marked



from which
 A pinyon tree, 7 ins. diam., bears N. 33 $\frac{1}{4}$ ° W., 223 lks.
 dist., marked $\frac{1}{4}$ S36 BT.
 No other bearing trees available; raise a mound of stone,
 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

 2.17 Thence N. 85°01'E., bet. E. halves of secs. 1 and 36,
 Road from Ash Fork to Prescott bears N. and S.; desc. on
 NE. slope.
 9.77 Wash, 20 lks. wide, 4 ft. deep, course SE.; asc. on SW.
 slope.
 16.72 Summit of ascent; thence over rolling land.
 36.72 The cor. of Tps. 19 and 20 N., Rs. 3 and 4 W., which is
 a limestone, 14x12x10 ins., loosely set, marked as des-
 cribed by the Surveyor General. I reestablish this cor.
 as follows:
 With stone, set an iron post, 3 ft. long, 3 ins. diam.,
 24 ins. in the ground, with brass cap, marked



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

Land, rolling.
 Soil, to 20 chs., deep sandy loam, medium texture, mixed
 with fine gravel; 2nd rate; remainder, same soil, but
 stony; 3rd rate.
 Timber, scattering cedar and pinyon.
 Undergrowth, greasewood, rabbit brush and cactus.

Resurvey of Portion of W. Bdy. of T. 20 N., R. 3 W.

From the reestablished cor. of Tps. 19 and 20 N., Rs. 3
 and 4 W., hereinbefore described,
 N. 0°33'W., on W. bdy. of sec. 31, T. 20 N., R. 3 W.,
 over rolling land.
 9.50 Desc. into ravine.
 16.75 Wash, 15 lks. wide, 1 $\frac{1}{2}$ ft. deep, in ravine, course SW.
 Asc.
 22.00 Leave ravine; thence over rolling land.
 33.50 Road from Ash Fork to Prescott bears NE. and SW.

Chains

- 40.21 The $\frac{1}{4}$ sec. cor., which is a limestone, 18x8x6 ins., loosely set, marked and witnessed as described by the Surveyor General. I reestablish this cor. as follows for sec. 31. With stone, set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, with brass cap, marked
- $\frac{1}{4}$
 S31
 1916
- from which
 A cedar, 10 ins. diam., bears S.62 $\frac{1}{2}$ °E., 286 lks. dist., marked $\frac{1}{4}$ S31 BT.
 No other tree available; raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, E. of cor.
- Thence N.0°03'W., on N. half of W. bdy. of sec. 31.
- 9.80 Enter scattering timber; bears E. and W.
 12.30 Wash, 30 lks. wide, 15 ft. deep, course SW.
 18.80 Begin ascent of rocky S. slope.
 26.80 Spur, sloping SE.; thence along rocky E. slope.
 40.45 The cor. of secs. 25, 30, 31 and 36, which is a sandstone, 14x8x4 ins., loosely set, marked and witnessed as described by the Surveyor General. I reestablish this cor. as cor. of secs. 30 and 31 only, as follows:
 With stone, set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, with brass cap, marked
- T20N
 S30

 S31
 R3W
 1916
- from which
 A cedar, 10 ins. diam., bears N.77 $\frac{1}{2}$ °E., 222 lks. dist., marked T20N R3W S30 BT.
 A cedar, 10 ins. diam., bears S.63°E., 227 lks. dist., marked T20N R3W S31 BT.
- Land, rolling and mountainous.
 Soil, to 60 chs., stony clay and sandy loam; 3rd rate; remainder, rocky; 4th rate.
 Timber, scattering cedar and pinyon.
 Undergrowth, scrub oak, greasewood, catclaw and cactus.
-
- N.1°55'W., on W. bdy. of sec. 30, T. 20 N., R. 3 W., over mountainous land, along rocky E. slope.
- 3.75 Ravine, course SE.; asc. on rocky SE. slope.
 8.50 Spur sloping E.; desc. on rocky N. slope.
 12.95 Ravine, course E.; asc. on rocky SE. slope.
 16.00 Spur sloping E.; desc. on NE. slope.
 20.90 Ravine, course SE.; asc. on rocky S. slope.
 27.00 Spur, sloping W.; desc. on NE. slope.
 39.75 Old road, bears NW. and SE.
 40.80 The old $\frac{1}{4}$ sec. cor., which is a sand stone, 28x6x4 ins., in a mound of stone, marked and witnessed as described by the Surveyor General, I reestablish this cor. as $\frac{1}{4}$ sec. cor. of sec. 30 only, as follows:
 With stone, set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, with brass cap, marked
- $\frac{1}{4}$
 S30
 1916
- from which

Resurvey of Portion of W. Bdy. of T. 20 N., R. 3 W.

19

Chains

A pinyon, 20 ins. diam., bears N.14°E., 28 lks. dist., marked $\frac{1}{4}$ S30 BT.

A pinyon, 5 ins. diam., bears S.5°45'E., 198 lks. dist., marked $\frac{1}{4}$ S30 BT.

Thence N.0°34'E., on N. half of W. bdy. of sec. 30, ascending on S. slope.

36.20 Spur, sloping SW.; desc. on NW. slope.

41.32 The cor. of secs. 19, 24, 25 and 30, which is a sandstone, 24x12x5 ins., set in a mound of stone, marked and witnessed as described by the Surveyor General; except that the position of the bearing trees does not agree with the original field notes. I reestablish cor. as cor. of secs. 19 and 30 only, as follows:

With stone, set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, with brass cap, marked

T20N
S19

S30
R3W

1916

from which

A pinyon, 12 ins. diam., bears N.77°E., 44 lks. dist., marked T20N R3W S19 BT.

A cedar, 24 ins. diam., bears S.39°E., 49 lks. dist., marked T20N R3W S30 BT.

I destroy marks on former bearing tree referring to sec. 25.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, cedar and pinyon.

Undergrowth, scrub oak, greasewood, catclaw and cactus.

Resurvey of Portion of Subdivisional Lines, T. 20 N., R. 4 W.

After retracement of the lines, and diligent search, no corners can be found on the subdivisional lines on the boundary of the unsurveyed land in this Tp., except the cor. of secs. 26, 27, 34 and 35, and the $\frac{1}{4}$ sec. cor. bet. secs. 34 and 35.

Therefore, to reestablish the NE. cors. of secs. 8, 21 and 27, (depending for position on one meridional and one latitudinal line), I proceed from the nearest identified corners on each line, as follows:

I commence at the cor. of secs. 20, 21, 28 and 29, hereinafter described; thence S.89°57'E., retracing line bet. secs. 21 and 28. At 80.12 chs. set temp. sec. cor. Thence N.89°50'E., retracing line bet. secs. 22 and 27. At 79.90 chs. set temp. sec. cor.

I then commence at the cor. of secs. 26, 27, 34 and 35, hereinafter described; thence N., retracing line bet. secs. 26 and 27. At 80.00 chs., the temp. cor. set at termination of line bet. secs. 22 and 27 bears N.80°22'W., 2.81 chs. dist.

I therefore move this temp. cor. S.80°22'E., 187 $\frac{1}{2}$ lks., to point for reestablished NE. cor. of sec. 27, hereinafter described.

Chains

I commence at the cor. of secs. 17, 18, 19 and 20; thence E., retracing line bet. secs. 17 and 20. At 80.00 chs. set temp. sec. cor.; thence N.89°53'E., retracing line bet. secs. 16 and 21, and at 79.94 chs., set temp. sec. cor.

I then commence at the cor. of secs. 3, 4, 33 and 34, on S. bdy. of Tp., reestablished as hereinbefore described; Thence N., retracing line bet. secs. 33 and 34. At 80.00 chs., set temp. sec. cor. At 160.73 chs., the temp. sec. cor. set at termination of retracement of line bet. secs. 21 and 28 bears W., 2.26 chs. dist. At 240 chs., the temp. sec. cor. set at termination of retracement of line bet. secs. 16 and 21 bears N.77°56'W., 3.59 chs. dist.

I therefore move this temp. cor. S.77°56'E., 1.436 chs., to point for reestablished NE. cor. of sec. 21, hereinafter described.

I commence at the reestablished cor. of secs. 6 and 7, on W. bdy. of Tp., hereinbefore described; thence S.89°57'E., retracing line bet. secs. 6 and 7. At 76.62 chs. set temp. sec. cor.; thence N.89°52'E., retracing line bet. secs. 5 and 8, and at 79.80 chs. set temp. sec. cor.

I then commence at the cor. of secs. 20, 21, 28 and 29, hereinafter described; thence N., retracing line bet. secs. 20 and 21. At 79.89 chs., the temp. cor. set at termination of retracement of line bet. secs. 17 and 20 bears W., 111 lks. dist. At 160 chs. set temp. sec. cor. At 240 chs., the temp. cor. set at termination of retracement on line bet. secs. 5 and 8 bears N.85°04'W., 12.91 chs. dist.

I therefore move this temp. cor. S.85°04'E., 5.09 chs., to point for reestablished NE. cor. of sec. 8, hereinafter described.

I commence at the $\frac{1}{4}$ sec. cor. bet. secs. 27 and 34, hereinafter described; thence W. bet. W. halves of secs. 27 and 34. At 40.34 chs., the temp. cor. set at termination of retracement of line bet. secs. 33 and 34, bears N., 42 lks. dist. At 80.00 chs. I make careful search, but find no trace of the $\frac{1}{4}$ sec. cor. of secs. 28 and 33. At 120.45 chs. fall 48 lks. S. of the cor. of secs. 28, 29, 32 and 33, hereinafter described.

I then commence at the cor. of secs. 7, 8, 17 and 18, hereinafter described; thence E., retracing line bet. secs. 8 and 17. At 40 chs. I make careful search, but find no trace of the $\frac{1}{4}$ sec. cor.; and at 82.95 chs. fall 10 lks. S. of the temp. cor. set at termination of retracement of line bet. secs. 16 and 17.

I return to the cor. of secs. 7, 8, 17 and 18; thence N., retracing line bet. secs. 7 and 8. At 81.14 chs. the temp. cor. set at termination of retracement of line bet. secs. 6 and 7 bears W., 9.64 chs. dist. At 130.63 chs. intersect 5th St. Par. N. established by Smith in 1883, 3.77 chs. S.88°43'W. of standard $\frac{1}{4}$ sec. cor. of sec. 33; and at 164.30 chs. fall 14.95 chs. E. of position of closing cor. of secs. 5 and 6, on 5th St. Par. N. as established by Case in 1872, now marked by reference point as hereinbefore described.

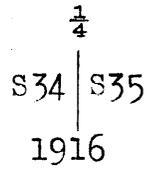
Resurvey of Portion of Subdivisional Lines, T. 20 N., R. 4 W.

Chains

From the cor. of secs. 2, 3, 34 and 35, on S. bdy. of Tp., reestablished as hereinbefore described; N.0°32'E., bet. secs. 34 and 35, ascending gradually over rolling land.

24.25
39.93

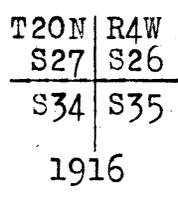
Wash, 30 lks. wide, 6 ft. deep, course SW.
The 1/4 sec. cor., which is a limestone, 18x14x14 ins., set in a mound of stone, marked as described by the Surveyor General. I reestablish this cor. as follows: With stone, set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, with brass cap, marked



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

28.27
40.07

Thence N.0°08'W., bet. N. halves of secs. 34 and 35. Wash, 20 lks. wide, 4 ft. deep, course SW.; enter scattering timber; bears NE. and SW.
The cor. of secs. 26, 27, 34 and 35, which is a limestone, 18x14x14 ins., loosely set, properly marked, instead of a marked stone and stake as described in the original field notes. I reestablish this cor. as follows: With stone, set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, with brass cap, marked

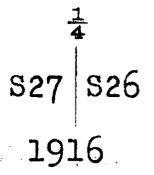


No bearing trees available; raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Land, rolling.
Soil, deep sandy loam, mixed with fine gravel, stony in places; 2nd and 3rd rate.
Timber, scattering cedar and pinyon.
Undergrowth, greasewood, rabbit brush and cactus.

12.00
16.00
21.50
27.00
33.00
37.15
40.08

N.0°39'W., bet. secs. 26 and 27, over mountainous land, ascending on rocky SE. slope, through scattering timber.
Top of ridge; bears NE. and SW.; desc. on N. slope.
Ravine, course SW.; asc. on SE. slope.
Top of ridge, bears NE. and SW.; desc. on NW. slope.
Ravine, course SW.; Asc. S. slope.
Spur slopes SW.; desc. N. slope.
Head of ravine, course W.; asc. SW. slope.
Reestablish missing 1/4 sec. cor. as follows: Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, with brass cap, marked



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

22

Resurvey of Portion of Subdivisional Lines, T. 20 N., R. 4 W.

Chains

46.50 Small spur, slopes SW.; desc. gradual NW. slope.
 53.85 Ravine, course SW.; asc. steep rocky SW. slope.
 65.50 Spur, slopes SW.; desc. NW. slope.
 76.75 Ravine, course SW.; asc. S. slope.
 80.16 As the line bet. secs. 23 and 26 will be within allowable limits of error in alinement, but not in measurement, I reestablish the missing cor. of secs. 22, 23, 26 and 27 as cor. of secs. 26 and 27 only, as follows:
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, with brass cap, marked

S27	S26
T20N	R4W

1916

from which

A pinyon, 8 ins. diam., bears S.77½°E., 38 lks. dist., marked T20N R4W S26 BT.

A pinyon, 8 ins. diam., bears S.11°W., 50 lks. dist., marked T20N R4W S27 BT.

Land, mountainous.

Soil, rocky; 4th rate.

Timber, cedar and pinyon.

Undergrowth, scrub oak, greasewood, century plant and cactus.

40.07½ From the cor. of secs. 3, 4, 33 and 34, on S. bdy. of Tp., reestablished as hereinbefore described; N.0°08'E., bet. secs. 33 and 34, ascending gradually, over rolling land.
 Reestablish the missing ¼ sec. cor. as follows:
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, with brass cap, marked

S33	S34
-----	-----

1916

dig pits, 18x18x12 ins., N. and S. of post, 3 ft dist., and raise a mound of earth, 3½ ft. base, 1½ ft. high, W. of cor.

80.15 Reestablish missing cor. of secs. 27, 28, 33 and 34 as follows:
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, with brass cap, marked

T20N	R4W
S28	S27
S33	S34

1916

dig pits, 24x24x12 ins., in each sec., 6 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Land, gently rolling.

Soil, deep sandy loam, mixed with fine gravel; 2nd rate.

No timber.

Undergrowth, rabbit brush.

25.50 S.89°45'E., bet. secs. 27 and 34,
 over gently rolling prairie.
 40.15 Begin gradual ascent, over low rolling hills.
 The old ¼ sec. cor., which is a limestone, 16x10x5 ins., loosely set, marked as described by the Surveyor General.
 I reestablish this cor. as follows:

Resurvey of Portion of Subdivisional Lines, T. 20 N., R. 4 W. 23

Chains

With original stone,
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, with brass cap, marked

$\frac{1}{4}$ S27
S34
1916

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

- 8.95 Thence N.89°30'E., bet. E. halves of secs. 27 and 34.
- 19.15 Wash, 25 lks. wide, 2 ft. deep, course SW.
- 28.35 Wash, 10 lks. wide, 5 ft. deep, course S.
- 35.35 Enter scattering timber, bears NW, and SE.
- 38.70 Ravine, course SW.
- 40.01 Low spur, slopes S.
- The cor. of secs. 26, 27, 34 and 35, reestablished as hereinbefore described.

Land, rolling.
Soil, to 25 chs., deep sandy loam, mixed with fine gravel, 2nd rate; remainder, same soil, but stony; 3rd rate.
Timber, scattering cedar and pinyon.
Undergrowth; rabbit brush.

- 7.30 N.89°47'W., bet. secs. 28 and 33,
descending gradually over gently rolling land.
- 40.15 Wash, 60 lks. wide, 1 ft. deep, course S.
- Reestablish missing $\frac{1}{4}$ sec. cor. as follows:
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, with brass cap, marked

$\frac{1}{4}$ S28
S33
1916

- 80.30 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.
- The old cor. of secs. 28, 29, 32 and 33, now marked by a fence post, with the old marked stake, split and broken, lying on the ground alongside. I reestablish this cor., against the fence post, as follows:
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, with brass cap, marked

T20N	R4W
S29	S28
S32	S33

1916

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

Land, gently rolling.
Soil, deep sandy loam, mixed with fine gravel; 2nd rate.
No timber.
Undergrowth, rabbit brush.

- 10.00 N.1°05'W., bet. secs. 27 and 28,
ascending gradually over rolling land.
- 40.08 Wash, 20 lks. wide, 6 ft. deep, course SW.
- Reestablish missing $\frac{1}{4}$ sec. cor. as follows:

Chains

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

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

S28	S27
-----	-----

1916

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

60.00 Enter scattering timber, bears NE. and SW.; asc. S. slope.

65.00 Spur, slopes SW.; desc. NW. slope.

76.00 Wash, course SW.; asc. SE. slope.

80.16 Reestablish missing cor. of secs. 21, 22, 27 and 28 as follows:

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, with brass cap, marked

T20N	R4W
S21	S22
S28	S27

1916

from which

A cedar, 12 ins. diam., bears N.79°E., 114 lks. dist., marked T20N R4W S22 BT.

A pinyon, 12 ins. diam., bears S.69°E., 83 lks. dist., marked T20N R4W S27 BT.

A cedar, 10 ins. diam., bears S.17½°W., 96 lks. dist., marked T20N R4W S28 BT.

A cedar, 18 ins. diam., bears N.65°W., 93 lks. dist., marked T20N R4W S21 BT.

Land, rolling and mountainous.

Soil, to 60 chs. deep sandy loam, mixed with fine gravel, 2nd rate; remainder, same soil, but stony; 3rd rate.

Timber, cedar and pinyon.

Undergrowth, rabbit brush and cactus.

N.89°44'E., bet. secs. 22 and 27, over rolling hills, through scattering timber, descending SE. slope.

7.50 Wash, 10 lks. wide, 4 ft. deep, course SW.; asc. NW. slope.

15.00 Low ridge, bears NE. and SW.; desc. gradual SE. slope.

29.45 Ravine, course SW.; asc. NW. slope.

34.00 Low spur, slopes S.; desc. SE. slope.

40.41 Reestablish missing ¼ sec. cor. as follows:

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

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

S22	S27
-----	-----

1916

from which

A pinyon, 8 ins. diam., bears N.1°E., 298 lks. dist., marked ¼ S22 BT.

A pinyon, 14 ins. diam., bears S.50°45'E., 259 lks. dist., marked ¼ S27 BT.

44.50 Ravine, course SW.; asc. SW. slope.

60.00 Summit of ascent, on S. slope; desc. SE. slope.

65.20 Ravine, course SW.; asc. NW. slope.

76.50 Spur, slopes SW.; asc. gradually along spur.

80.82 The reestablished cor. of secs. 26 and 27, hereinbefore described.

Land, rolling and mountainous.

Soil, stony; 3rd and 4th rate.

Timber, cedar and pinyon.

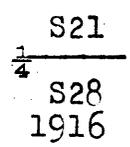
Undergrowth, scrub oak, greasewood, catclaw, century plant and cactus.

Resurvey of Portion of Subdivisional Lines, T. 20 N., R. 4 W. 25

Chains

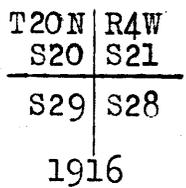
N. 89° 38' W., bet. secs. 21 and 28,
over rolling land, through scattering timber, along S.
slope.

- 5.00 Low spur, slopes SW.; desc. W. slope.
- 15.00 Leave scattering timber, bears N. and S.; foot of descent;
thence over gently rolling land.
- 40.52½ Reestablish missing ¼ sec. cor. as follows:
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
the ground, with brass cap, marked



dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist.,
and raise a mound of earth, 3½ ft. base, 1½ ft. high,
N. of cor.

- 81.05 The cor. of secs. 20, 21, 28 and 29, which is a post in
small mound of stone, marked as described by the Sur-
veyor General. I reestablish this cor. as follows:
With post, set an iron post, 3 ft. long, 2 ins. diam., 24
ins. in the ground, with brass cap, marked

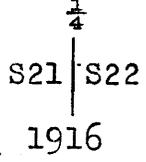


and raise a mound of stone, 2 ft. base, 1½ ft. high,
W. of cor.

Land, rolling.
Soil, to 15 chs., stony; 3rd rate; remainder, deep
sandy loam, mixed with fine gravel, 2nd rate.
Timber, cedar and pinyon.
Undergrowth, rabbit brush and cactus.

N. 0° 34' W., bet. secs. 21 and 22,
over rolling hills, through scattering timber, ascending
S. slope.

- 2.00 Low spur, slopes SW.; desc. NW. slope.
- 8.00 Wash, course W.; asc. S. slope.
- 10.00 Low spur, slopes W., desc. N. slope.
- 19.25 Wash, course W.; asc. S. slope.
- 27.00 Spur, slopes W.; desc. NW. slope; leave scattering timber,
bears E. and W.
- 32.50 Wash, course W.; asc. rocky S. slope.
- 40.07½ Reestablish missing ¼ sec. cor. as follows:
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
the ground, with brass cap, marked



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

- 47.00 Spur, slopes W.; desc. rocky NW. slope.
- 53.75 Ravine, course W.; asc. steep rocky S. slope.
- 59.00 Summit of ascent; thence along W. slope.
- 75.00 Begin descent of NW. slope.
- 80.15 As the line bet. secs. 15 and 22 will be within allowable
limits of error in alinement, but not in measurement, I
reestablish the missing cor. of secs. 15, 16, 21 and 22
as cor. of secs. 21 and 22 only, as follows:

Chains

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, with brass cap, marked

S21	S22
T20N	R4W

1916

and raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.

Land, rolling and mountainous

Soil, stony; 3rd and 4th rate.

Timber, cedar and pinyon.

Undergrowth, scrub oak, greasewood, catclaw and cactus.

40.11

N.0°18'W., bet. secs. 20 and 21, ascending gradually over gently rolling land.

Reestablish missing ¼ sec. cor. as follows:

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

S20	S21
-----	-----

1916

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

42.50

Wash, 100 lks. wide, 20 ft. deep, course SW.

68.00

Leave valley, bears E. and W., and enter rolling hills; asc. S. slope.

72.00

Top of hill, bears NE. and SW.; desc. on NW. slope.

78.00

Wash, course SW.

80.22

Reestablish missing cor. of secs. 16, 17, 20 and 21 as follows:

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, with brass cap, marked

T20N	R4W
S17	S16

S20	S21
-----	-----

1916

from which

A cedar, 12 ins. diam., bears N.32°E., 95 lks. dist., marked T20N R4W S16 BT.

A cedar, 18 ins. diam., bears S.46°45'E., 323 lks. dist., marked T20N R4W S21 BT.

A cedar, 12 ins. diam., bears S.85°W., 63 lks. dist., marked T20N R4W S20 BT.

A cedar, 12 ins. diam., bears N.82°W., 77 lks. dist., marked T20N R4W S17 BT.

Land, rolling.

Soil, sandy loam, mixed with fine gravel; stony in places, 2nd and 3rd rate.

Timber, scattering cedar.

Undergrowth, rabbit brush and cactus.

.75

S.89°40'E., bet. secs. 16 and 21, over rolling land, through scattering timber.

6.00

Wash, course SW.; asc. E. slope. Low spur, slopes SW.; desc. E. slope. Leave scattering timber, bears NE. and SW.

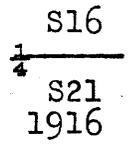
18.00

Wash, 30 lks. wide, 8 ft. deep, course S. Asc. gradual SW. slope.

Resurvey of Portion of Subdivisional Lines T. 20 N. R. 4 W. 27

Chains

40.32 Reestablish missing 1/4 sec. cor. as follows:
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, with brass cap, marked



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.

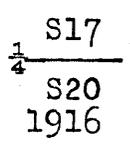
45.00 Asc. steep rocky W. slope.
56.00 Spur, slopes SW.; desc. rocky E. slope.
62.75 Ravine, course SW.; asc. rocky E. slope.
80.64 The cor. of secs. 21 and 22, reestablished as hereinbefore described.

Land, rolling and mountainous.
Soil, stony; 3rd and 4th rate.
Timber, scattering cedar and pinyon.
Undergrowth, rabbit brush and cactus.

S.89°46'W., bet. secs. 17 and 20,
over rolling land, ascending gradual E. slope.

7.00 Top of low hill, bears NE. and SW.; desc. W. slope.
10.90 Wash, course S.; asc. E. slope.
14.00 Spur, slopes S.; desc. SW. slope.
20.75 Ft. of descent; thence over level land.
30.00 Asc. E. slope.
35.00 Summit of ascent; thence over rolling mesa.

40.35 Reestablish missing 1/4 sec. cor. as follows:
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, with brass cap, marked

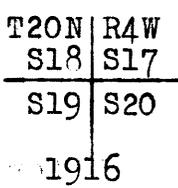


dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of cor.

52.00 Leave mesa, bears NW. and SE. Desc. SW. slope.
63.50 Wash, 50 lks. wide, 4 ft. deep, course S.; enter valley, bears NW. and SE.

71.85 Road, bears N. and S.

80.70 The cor. of secs. 17, 18, 19 and 20, which is a stake, marked as described by the Surveyor General, set in a small mound of stone. I reestablish this cor. as follows:
With original cor., set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, with brass cap, marked



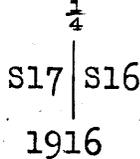
dig pits, 18x18x12 ins., in each sec., 5 1/2 ft. ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Land, rolling and level.
Soil, deep sandy loam, mixed with fine gravel, 2nd rate.
Timber, a few scattering cedars.
Undergrowth, low rabbit brush.

Chains

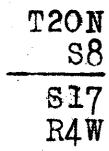
N.2°38'W., bet. secs. 16 and 17,
over rolling land, through scattering timber.

- 2.00 Leave scattering timber, bears NE. and SW.
- 38.00 Enter scattering timber, bears NE. and SW.; desc. into ravine.
- 40.16 Reestablish missing $\frac{1}{4}$ sec. cor. as follows:
Set an iron post, $\frac{3}{4}$ ft. long, 1 in. diam., 26 ins. in the ground, with brass cap, marked



from which
 A cedar, 4 ins. diam., bears S.83°E., 120 lks. dist., marked $\frac{1}{4}$ S16 BT.
 A cedar, 24 ins. diam., bears S.51°W., 22 lks. dist., marked $\frac{1}{4}$ S17 BT.

- 40.35 Ravine, course SW.
- 53.55 Wash, 30 lks. wide, 3 ft. deep, course SW.
- 70.00 Leave scattering timber, bears E. and W.
- 77.00 Road bears E. and W.
- 80.32 Reestablish missing cor. of secs. 8, 9, 16 and 17 as cor. of secs. 8 and 17 only, as follows:
Set an iron post, $\frac{3}{4}$ ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 8 and 17, with brass cap, marked



1916

dig pits, 24x24x12 ins., in each sec., 6 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Land, rolling.
 Soil, deep sandy loam, stony in places; 2nd and 3rd rate.
 Timber, scattering cedar and pinyon.
 Undergrowth, greasewood, rabbit brush and cactus.

N.2°38'W., resurveying E. bdy. of sec. 8,
over rolling land, ascending gradually along foot of rocky hill sloping W.

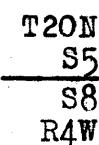
- 40.16 Reestablish missing $\frac{1}{4}$ sec. cor. as $\frac{1}{4}$ sec. cor. of sec. 8 only, as follows:
Set an iron post, $\frac{3}{4}$ ft. long, 1 in. diam., 26 ins. in the ground, with brass cap, marked



1916

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

- 80.31 Reestablish the missing cor. of secs. 4, 5, 8 and 9 as cor. of secs. 5 and 8 only, as follows:
Set an iron post, $\frac{3}{4}$ ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 5 and 8, with brass cap, marked



1916

Resurvey of Portion of Subdivisional Lines T. 20 N. R. 4 W.

Chains

from which
A granite boulder, 5x5x4 ft., bears S.36 $\frac{1}{2}$ °W., 88 lks. dist.,
marked X B O 8.
Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

Land, rolling.
Soil, stony; 3rd and 4th rate.
No timber.
Undergrowth, rabbit brush and cactus.

40.07 N.1°02'W., bet. secs. 17 and 18,
over gently rolling land.
The old $\frac{1}{4}$ sec. cor., which is a limestone, 20x14x12 ins.,
loosely set, marked as described by the Surveyor Gen-
eral. I reestablish this cor. as follows:
With original stone, set an iron post, 3 ft. long, 1 in.
diam., 26 ins. in the ground, with brass cap, marked

S18		S17
1916		

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

40.01 Thence N.1°33'W., bet. N. halves of secs. 17 and 18.
The old cor. of secs. 7, 8, 17 and 18, which is now marked
by a fence post, in place of old charred stake. I rees-
tablish this cor. alongside fence post as follows:
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

T20N		R4W
S7		S8
S18		S17
1916		

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

Land, gently rolling.
Soil, deep sandy loam, mixed with fine gravel; 2nd rate.
No timber.
Undergrowth, rabbit brush.

7.00 N.89°36'E., bet. secs. 8 and 17,
19.00 over level land.
39.42 Leave level valley land, bears N. and S.; asc. NW. slope.
Summit of ascent, on mesa; thence over rolling land.
Reestablish missing $\frac{1}{4}$ sec. cor. as follows:
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, with brass cap, marked

$\frac{1}{4}$		S 8
1916		

78.85 from which
A cedar, 16 ins. diam., bears N.44 $\frac{1}{2}$ °W., 251 lks. dist.,
marked $\frac{1}{4}$ S8 BT.
No tree available S. of line; raise a mound of stone,
2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
The reestablished cor. of secs. 8 and 17, hereinbefore
described.

Chains

Land, level and rolling.

Soil, deep sandy loam, mixed with fine gravel, stony in places, 2nd and 3rd rate.
Timber, a few scattering cedars.
Undergrowth, rabbit brush.

N.89°09'W., bet. secs. 7 and 18,
over rolling land.

- .75 Desc. left bank of Partridge Creek, bears NE. and SW.
- 1.25 Partridge Creek, 50 lks. wide, course SW.; asc.
- 3.50 Summit of ascent, on right bank of Partridge Creek; thence over rolling land.
- 23.60 Road to Seligman, bears NW. and SE.
- 33.00 Wash, course SE.
- 41.85 Reestablish missing $\frac{1}{4}$ sec. cor. as follows:
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, with brass cap, marked

S 7
$\frac{1}{4}$
S 18
1916

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.

- 80.25 The cor. of secs. 7 and 18, on W. bdy. of Tp., reestablished as hereinbefore described.

Land, rolling.

Soil, deep sandy loam, mixed with fine gravel, 2nd rate.
No timber.
Undergrowth, rabbit brush.

N.5°03'W., bet. secs. 7 and 8,
over rolling land.

- 2.00 Partridge Creek, 50 lks. wide, course SW.
- 40.68 Reestablish missing $\frac{1}{4}$ sec. cor. as follows:
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, with brass cap, marked

S 7 S 8
$\frac{1}{4}$
1916

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.

- 81.36 Reestablish missing cor. of secs: 5, 6, 7 and 8, as follows:
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, with brass cap, marked

T20N R4W
S6 S5
S7 S8
1916

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

Resurvey of Portion of Subdivisional Lines, T. 20 N., R. 1 W.

Chains

Land, rolling.
Soil, deep sandy loam, mixed with fine gravel; 2nd rate.
No timber.
Undergrowth, rabbit brush.

- S. 89° 54' E., bet. secs. 5 and 8,
over rolling land.
- 18.00 Begin ascent of rocky W. slope.
 - 24.00 Summit of ascent, on low flat spur, slopes S.
 - 33.00 Begin descent of E. slope.
 - 41.19 Reestablish missing $\frac{1}{4}$ sec. cor. as follows:
Set an iron post, $\frac{3}{4}$ ft. long, 1 in. diam., 26 ins. in
the ground, with brass cap, marked

S 5
 $\frac{1}{4}$ —————
S 8
1916

- 46.00 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
N. of cor.
Partridge Creek, 60 lks. wide, course S.; asc. steep rocky
E. slope.
- 52.00 Summit of ascent; thence over rolling land.
- 61.25 Wash, 100 lks. wide, 30 ft. deep, course SW.
- 82.39 The cor. of secs. 5 and 8, reestablished as hereinbefore
described.

Land, rolling.
Soil, deep sandy loam, stony in places; 2nd, 3rd and
4th rate.
Timber, a few scattering cedars.
Undergrowth, rabbit brush.

- N. 89° 53' W., bet. secs. 6 and 7,
over rolling land.
- 41.29 Reestablish missing $\frac{1}{4}$ sec. cor. as follows:
Set an iron post, $\frac{3}{4}$ ft. long, 1 in. diam., 26 ins. in
the ground, with brass cap, marked

S 6
 $\frac{1}{4}$ —————
S 7
1916

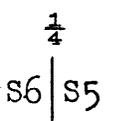
- 45.00 dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist.,
and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,
N. of cor.
- 48.75 Wash, 10 lks. wide, 3 ft. deep, course SW.
- 79.10 Road to Seligman, bears NW. and SE.
The reestablished cor. of secs. 6 and 7, hereinbefore
described.

Land, gently rolling.
Soil, deep sandy loam, mixed with fine gravel; 2nd rate.
No timber.
Undergrowth, rabbit brush.

- N. 5° 21' W., bet. secs. 5 and 6,
over gently rolling land.
- 40.69 Reestablish missing $\frac{1}{4}$ sec. cor. as follows:
Set an iron post, $\frac{3}{4}$ ft. long, 1 in. diam., 26 ins. in
the ground, with brass cap, marked

Resurvey of Portion of Subdivisional Lines, T. 20 N., R. 4 W.

Chains

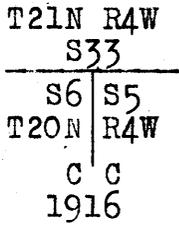


1916

Dig pits 18x18x12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth 3 ft. base, 1 1/2 ft. high, W. of cor.

49.54

Intersect 5th St. Par. N. established by Smith in 1883, 15.5 chs. S. 88° 43' W. of the standard 1/4 sec. cor. on S. bdy. of sec. 33, reestablished as hereinbefore described. That portion of secs. 5 and 6 lying N. of this point and S. of the 5th St. Par. N. as surveyed by Case, hereinbefore described, being unentered, I terminate the line bet. secs. 5 and 6 at the point of intersection with the "Smith" parallel, and establish a closing cor. as follows:
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for closing cor. of secs. 5 and 6, with brass cap, marked



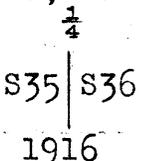
dig pits, 24x18x12 ins., crosswise on each line, E. and W. 3 ft., and S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, S. of cor.
 Former closing cor. of secs. 5 and 6, on "Case" Parallel ~~land~~ --reestablished for reference pt., as hereinbefore described--bears N. 5° 20' W., 33.15 chs. dist. 2nd rate.
 Land, gently, rolling, brush.
 Soil, deep sandy loam, mixed with fine gravel; 2nd rate.
 No timber.
 Undergrowth, rabbit brush.

Survey of Portion Of Subdivisional Lines, T, 20 N., R. 4 W.

The E. bdy. of the E. range and W. bdy. of 2nd range of secs. being out of allowable limits of error in alignment or measurement or both, I survey the 1st meridional line in the partial subdivision of this Tp. as a sectional guide meridian.

14.00
20.80
30.00
40.00

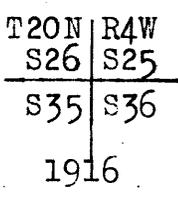
From the reestablished cor. of secs. 1, 2, 35 and 36, on S. bdy. of Tp., hereinbefore described;
 North, on sectional guide meridian, bet. secs. 35 and 36, over rolling prairie, ascending slightly.
 Left bank of wash, 15 ft. deep, course SW.
 Right bank of same.
 Enter scattering pinyon and juniper timber, bears NE. and SW.
 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 pinyon, 12 ins. diam., bears N. 79° 30' W., 22 lks. dist., marked 1/4 S35 BT.
 A juniper, 7 ins. diam., bears S. 53° 30' E., 101 lks. dist., marked 1/4 S36 BT.

Survey of Portion of Subdivisional Lines T. 20 N. R. 4 W. 33

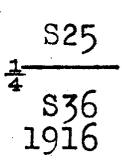
Chains
 48.20 Wash, 40 lks. wide, 8 ft. deep, course W. Asc. gradually.
 67.05 Wash, 20 lks. wide, 4 ft. deep, course SW. Asc. over abrupt sandstone rim-rock cliff, 100 ft.
 74.00 Thence over steep rocky SW. slope.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., in a mound of stone, for cor. of secs. 25, 26, 35 and 36, with brass cap, marked



from which
 A pinyon, 10 ins. diam., bears N.57½°E., 131 lks. dist., marked T20N R4W S25 BT.
 A pinyon, 7 ins. diam., bears S.78½°E., 82 lks. dist., marked T20N R4W S36 BT.
 A pinyon, 6 ins. diam., bears S.45°W., 102 lks. dist., marked T20N R4W S35 BT.
 A pinyon, 20 ins. diam., bears N.30°W., 157 lks. dist., marked T20N R4W S26 BT.

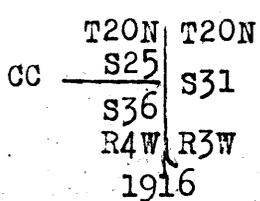
Land, rolling to mountainous.
 Soil, decomposed sandstone and gravelly loam; 2nd and 4th rate.
 Timber, juniper and pinyon.
 Undergrowth, scrub oak, greasewood, Spanish bayonet and rabbit brush.

East, on a true line, bet. secs. 25 and 36, ascending over rocky SW. slope, through scattering pinyon and juniper timber and undergrowth.
 2.50 Spur, slopes S. Desc. 50 ft., on steep slope.
 8.50 Wash, 25 lks. wide, 4 ft. deep, course SW. Asc. SW. slope.
 19.75 Spur, slopes S. Desc. over rocky SE. slope.
 34.20 Wash, 30 lks. wide, 5 ft. deep, course SW. Asc. rocky SW. slope.
 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 juniper, 10 ins. diam., bears S.38°30'W., 70 lks. dist., marked ¼ S36 BT.
 A pinyon, 6 ins. diam., bears N.28°E., 124 lks. dist., marked ¼ S25 BT.

41.50 Spur, slopes S. Desc. rocky SE. slope.
 52.10 Wash, 20 lks. wide, 4 ft. deep, course S. Asc.
 58.50 Spur, slopes S. Desc. steep rocky E. slope.
 63.23 Ravine, course S.; 90 ft. below spur. Asc. steep rocky SW. slope, 140 ft.
 73.80 Spur, slopes S. Desc. steep rocky E. slope.
 76.34 Intersect W. bdy. of T. 20 N., R. 3 W., 3.88 chs. S.0°03'E. of the reestablished cor. of secs. 30 and 31, 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. 25 and 36, with brass cap, marked



Chains

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

Land, rough rocky hills.

Soil, decomposed sandstone; 4th rate.

Timber, juniper and pinyon.

Undergrowth, prickly pear, catclaw, greasewood and rabbit brush.

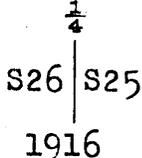
N., on sectional guide meridian, bet. secs. 25 and 26.

Asc. 490 ft., over steep, rocky SW. slope, through scattering cedar and pinyon timber and undergrowth.

20.30 Ft. of rocky cliff, 60 ft. high.

20.60 Desc. over steep rocky slope, inclines WNW.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap, marked



from which

A pinyon, 6 ins. diam., bears N.34°E., 46 lks. dist., marked ¼ S25 BT.

A pinyon, 12 ins. diam., bears S.41°W., 40 lks. dist., marked ¼ S26 BT.

Asc. 160 ft., on steep, rocky SW. slope.

52.25 Top of ridge bears NW. and SE.

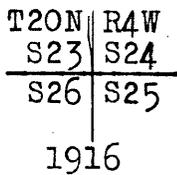
55.65 Desc. 240 ft., over rocky NW. slope.

65.00 Enter small ravine, draining N. Thence down bed of same.

76.00 Small valley from SW., drains NE.

77.00 Asc. over rocky SE. slope.

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



from which

A juniper, 10 ins. diam., bears N.28°W., 45 lks. dist., marked T20N R4W S23 BT.

A pinyon, 14 ins. diam., bears N.41°E., 30 lks. dist., marked T20N R4W S24 BT.

A pinyon, 10 ins. diam., bears S.61°W., 98 lks. dist., marked T20N R4W S26 BT.

A pinyon, 22 ins. diam., bears S.35°E., 85 lks. dist., marked T20N R4W S25 BT.

Land, mountainous.

Soil, 4th rate.

Timber, juniper and pinyon.

Undergrowth, catclaw, greasewood, prickly pear, century plant and rabbit brush.

East, on a true line, bet. secs. 24 and 25.

Desc. 50 ft., over rocky SE. slope, through juniper and pinyon timber and undergrowth.

6.80 Small valley from SW., drains NE.

9.60 Asc. 90 ft., on NW. slope.

18.50 Spur, slopes N. Desc. 90 ft., on E. slope.

25.60 Ravine, course N. Asc. 85 ft., on W. slope.

38.40 Ridge bears N.10°E. and S.10°W. Desc. E. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap, marked

Survey of Portion of Subdivisional Lines, T. 20 N., R. 4 W. 35

Chains

S24
 $\frac{1}{4}$ ———
 S25
 1916

from which
 A pinyon, 6 ins. diam., bears N.8°W., 28 lks. dist., marked $\frac{1}{4}$ S24 BT.
 A pinyon, 6 ins. diam., bears S.31°E., 237 lks. dist., marked $\frac{1}{4}$ S25 BT.
 49.20 Ravine, 125 ft. below ridge, course S. Asc. 35 ft., on W. slope.
 54.30 Spur, slopes S.15°E. Desc. 65 ft., on E. slope.
 59.30 Wash, 15 lks. wide, 2 ft. deep, course S. Asc. W. slope.
 75.33 Intersect W. bdy. of T. 20 N., R. 3 W., 5.83 chs. S.0°34'W. from the reestablished cor. of secs. 19 and 30, 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. 24 and 25, with brass cap, marked

T20N | T20N
 S24 | S30
 CC ———
 S25
 R4W | R3W
 1916

from which
 A pinyon, 12 ins. diam., bears S.44°W., 88 lks. dist., marked T20N R4W S25 BT.
 A juniper, 8 ins. diam., bears N.13°W., 27 lks. dist., marked T20N R4W S24 BT.
 Land, rolling hills.
 Soil, 3rd rate.
 Timber, juniper and pinyon.
 Undergrowth, scrub oak, catclaw, greasewood, Spanish dagger and century plant.

N., on sectional guide meridian, bet. secs. 23 and 24.
 Asc. over rocky SE. slope, through undergrowth and pinyon and juniper timber.
 2.50 Thence over E. slope.
 11.00 Desc. over gradual NE. 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

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

from which
 A juniper, 14 ins. diam., bears N.77°E., 33 lks. dist., marked $\frac{1}{4}$ S24 BT.
 A pinyon, 14 ins. diam., bears S.20°W., 27 lks. dist., marked $\frac{1}{4}$ S23 BT.
 48.00 Wash, 20 lks. wide, 3 ft. deep, course NW.; 200 ft. below 11.00 chain point.
 51.10 Wash, 30 lks. wide, 4 ft. deep, course NW.
 67.55 Wash, 20 lks. wide, 4 ft. deep, course W.
 71.45 Asc. over rocky SW. slope.
 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

T20N | R4W
 S14 | S13
 S23 | S24
 1916

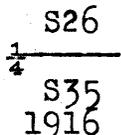
from which

Chains

- A juniper, 20 ins. diam., bears N.53°E., 76 lks. dist., marked T20N R4W S13 BT.
- A juniper, 12 ins. diam., bears S.61°E., 51 lks. dist., marked T20N R4W S24 BT.
- A juniper, 10 ins. diam., bears S.25¼°W., 32 lks. dist., marked T20N R4W S23 BT.
- A pinyon, 10 ins. diam., bears N.30½°W., 100 lks. dist., marked T20N R4W S14 BT.

Land, rolling.
 Soil, gravelly loam and decomposed sandstone; 2nd and 4th rate.
 Timber, pinyon and juniper.
 Undergrowth, scrub oak, catclaw, century plant and rabbit brush.

- 40.00 From the reestablished cor. of secs. 26, 27, 34 and 35, hereinbefore described, East, on a random line, bet. secs. 26 and 35.
- 79.94 Set temp. ¼ sec. cor. Intersect sectional guide meridian 23 lks. S. of the cor. of secs. 25, 26, 35 and 36.
- 20.23 Thence S.89°50'W., on a true line, bet. secs. 26 and 35, Desc. 215 ft., on SW. slope, through scattering undergrowth and pinyon and juniper timber.
- 30.00 Wash, 10 lks. wide, 4 ft. deep, course S. Asc. steep, rocky E. slope.
- 36.27 Thence over rolling hills, sloping S.
- 39.97 Wash, course S.20°E. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap, marked



- from which
- A pinyon, 20 ins. diam., bears N.43°E., 52 lks. dist., marked ¼ S26 BT.
- A juniper, 24 ins. diam., bears S.60°W., 50 lks. dist., marked ¼ S35 BT.
- 42.80 Wash, 30 lks. wide, 4 ft. deep, course S. Continue over rolling hills.
- 52.50 Ravine, 300 lks. wide, 30 ft. deep, course S.
- 64.10 Wash, 15 lks. wide, course SW.; 3 ft. deep.
- 76.90 Wash, 20 lks. wide, 3 ft. deep, course S.
- 79.94 The cor. of secs. 26, 27, 34 and 35.

Land, rolling hills.
 Soil, decomposed sandstone and gravelly loam; 2nd and 4th rate.
 Timber, juniper and pinyon.
 Undergrowth, scrub oak, catclaw, greasewood, prickly pear and rabbit brush.

- 40.00 From the reestablished cor. of secs. 26 and 27, hereinbefore described, East, on a random line, bet. secs. 23 and 26.
- 80.84 Set temp. ¼ sec. cor. Intersect sectional guide meridian 8 lks. N. of the cor. of secs. 23, 24, 25 and 26.
- Thence N.89°57'W., on a true line, bet. secs. 23 and 26, Asc. 350 ft., on steep, rocky E. slope, through scattering undergrowth and pinyon and juniper timber.

Survey of Portion of Subdivisional Lines T. 20 N. R. 4 W.

Chains

38.00 Ridge, bears NW. and SE. Desc.
40.00 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., with brass cap, marked

S23
 $\frac{1}{4}$
S26
1916

from which

A pinyon, 12 ins. diam., bears N.77°E., 46 lks. dist., marked $\frac{1}{4}$ S23 BT.

A pinyon, 10 ins. diam., bears S.69°30'E., 74 lks. dist., marked $\frac{1}{4}$ S26 BT.

Continue descent over steep rocky SW. slope.

56.50 Ravine, 310 ft. below ridge, course S. Asc. steep, rocky E. slope, 70 ft.

61.80 Spur, slopes S. Desc. rocky W. slope, 375 ft.

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. 22 and 23, with brass cap, marked

T20N | R4W
S22 | S23

1916

from which

A juniper, 20 ins. diam., bears N.3°W., 75 lks. dist., marked T20N R4W S22 BT.

A pinyon, 20 ins. diam., bears N.37°E., 53 lks. dist., marked T20N R4W S23 BT.

80.84 The cor. of secs. 26 and 27.

Land, mountainous.

Soil, rocky; 4th rate.

Timber, juniper and pinyon.

Undergrowth, scrub oak, catclaw, century plant, greasewood and rabbit brush.

N.0°01'W., bet. secs. 22 and 23,

(from the cor. of secs. 22 and 23, just set by me as hereinbefore described)

Desc. 20 ft., on rocky NW. slope, through scattering undergrowth and juniper and pinyon timber.

1.50 Wash, course NW.; 30 lks. wide, 3 ft deep.

4.60 Asc. 435 ft., over very steep, rocky S. slope.

23.70 Ridge bears NW. and SE. Desc. over steep, rocky NE. 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

$\frac{1}{4}$
S22 | S23

1916

from which

A pinyon, 12 ins. diam., bears S.17 $\frac{1}{2}$ °E., 54 lks. dist., marked $\frac{1}{4}$ S23 BT.

A pinyon, 18 ins. diam., bears N.82°W., 59 lks. dist., marked $\frac{1}{4}$ S22 BT.

43.89 Ravine, course NW.; 440 ft. below ridge. Asc. SW. slope.

55.00 Spur, slopes W. Desc. 100 ft., on N. slope.

63.40 Ravine, course NW. Asc. 160 ft., on SW. slope.

79.00 Spur, slopes W. Desc. 20 ft., on NW. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 14, 15, 22 and 23, with brass cap, marked

T20N | R4W
S15 | S14
S22 | S23

1916

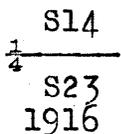
Chains

from which
 A pinyon, 10 ins. diam., bears N.15½°E., 46 lks. dist., marked T20N R4W S14 BT.
 A pinyon, 8 ins. diam., bears S.27°E., 24 lks. dist., marked T20N R4W S23BT.
 A pinyon, 8 ins. diam., bears N.30°W., 29 lks. dist., marked T20N R4W S15 BT.
 A juniper, 20 ins. diam., bears S.55°W., 48 lks. dist., marked T20N R4W S22 BT.

Land, mountainous.
 Soil, rocky; 4th rate.
 Timber, pinyon and juniper.
 Undergrowth, scrub oak, greasewood, Spanish dagger, century plant and rabbit brush.

40.00 East, on a random line, bet. secs. 14 and 23.
 79.98 Set temp. ¼ sec. cor.
 Intersect sectional guide meridian 12 lks. S. of the cor. of secs. 13, 14, 23 and 24.

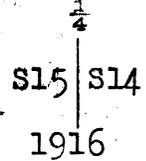
9.50 Thence S.89°55'W., on a true line, bet. secs. 14 and 23.
 Desc. 50 ft., over rocky W. slope, through scattering undergrowth and pinyon and juniper timber.
 39.99 Wash, 30 lks. wide, 5 ft. deep, course NW. Asc. over gentle NE. slope.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap, marked



from which
 A juniper, 11 ins. diam., bears S.82°E., 14 lks. dist., marked ¼ S23 BT.
 A juniper, 12 ins. diam., bears N.56°W., 84 lks. dist., marked ¼ S14 BT.
 49.00 Asc. on steep NE. slope.
 58.30 Thence on E. slope.
 60.60 On steep, rocky N. slope, 370 ft. above wash. Thence along N. slope.
 76.80 Desc. on rocky NW. slope.
 79.98 The cor. of secs.14, 15, 22 and 23.

Land, mountainous.
 Soil, 3rd and 4th rate.
 Timber, juniper and pinyon.
 Undergrowth, scrub oak, greasewood, rabbit brush and century plant.

21.80 N.0°01'W., bet. secs. 14 and 15.
 Desc. 310 ft., over rocky NW. slope, through juniper and pinyon timber and scattering undergrowth.
 40.00 Wash, 10 lks. wide, 4 ft. deep, course W. Thence over rolling land.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap, marked



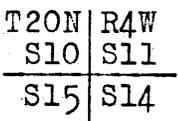
from which
 A juniper, 16 ins. diam., bears W., 13 lks. dist., marked ¼ S15 BT.
 A juniper, 6 ins. diam., bears S.6½°E., 79 lks. dist.,

Survey of Portion of Subdivisional Lines, T. 20 N., R. 4 W.

Chains

63.55
80.00

marked $\frac{1}{4}$ S14 BT.
Wash, 20 lks. wide, 4 ft. deep, course S.70°W.
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



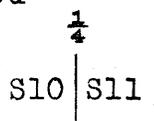
1916

from which
A juniper, 18 ins. diam., bears N.31°E., 100 lks. dist., marked T20N R4W S11 BT.
A juniper, 20 ins. diam., bears S.24 $\frac{1}{2}$ °E., 190 lks. dist., marked T20N R4W S14 BT.
A juniper, 20 ins. diam., bears S.61°W., 223 lks. dist., marked T20N R4W S15 BT.
A juniper, 20 ins. diam., bears N.8 $\frac{1}{2}$ °W., 129 lks. dist., marked T20N R4W S10 BT.

Land, mountainous and rolling.
Soil, decomposed sandstone and gravelly loam; 2nd and 4th rate.
Timber, pinyon and juniper.
Undergrowth, scrub oak, catclaw, greasewood and rabbit-brush.

40.00

N.0°01'W., bet. secs. 10 and 11, over rolling bottom land, through juniper and pinyon timber and scattering undergrowth.
Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, surrounded by a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap, marked

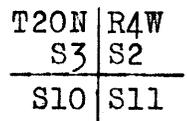


1916

from which
A juniper, 14 ins. diam., bears N.75 $\frac{1}{2}$ °E., 153 lks. dist., marked $\frac{1}{4}$ S11 BT.
A juniper, 18 ins. diam., bears N.73°W., 27 lks. dist., marked $\frac{1}{4}$ S10 BT.

46.00
62.30
74.75
80.00

Desc; NW. slope. Timber becomes very scant.
Wash, 35 lks. wide, 4 ft. deep, course NE.; 120 ft. below 46.00 ch. pt. Asc. 100 ft., on SE. slope.
Thence along broken E. slope.
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 2, 3, 10 and 11, with brass cap, marked



1916

from which
A juniper, 5 ins. diam., bears N.68 $\frac{1}{2}$ °W., 224 lks. dist., marked T20N R4W S3 BT.
A juniper, 6 ins. diam., bears S.54 $\frac{1}{2}$ °W., 235 lks. dist., marked T20N R4W S10 BT.
No other trees available.
Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

Land, rolling.
Soil, gravelly loam, 2nd rate; and malpais rock, 4th rate.
Timber, pinyon and juniper.
Undergrowth, greasewood, catclaw and rabbit brush.

Chains

N.0°01'W., bet. secs. 2 and 3.

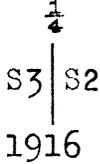
Asc. steep SE. slope, through scattering undergrowth and juniper and pinyon timber.

1.40 Thence over top of mesa, 100 ft. high.

31.00 Desc. over N. slope.

39.45 Desc. over very rocky and steep N. slope, into ravine.

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 juniper, 6 ins. diam., bears S.2°W., 70 lks. dist., marked 1/4 S3 BT.

A juniper, 10 ins. diam., bears S.73 1/2°E., 202 lks. dist., marked 1/4 S2 BT.

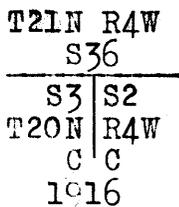
42.50 Left edge of same ravine, course NE.

49.67 Desc. over vertical cliff, 100 ft. high. Thence desc. steep, rocky NE. slope.

53.39 Intersect 5th St. Par. N. 251 lks. N.89°57'W. from the true pt. for standard 1/4 sec. cor. of sec. 36, and 166 lks. N.89°57'W. from the witness cor. to the standard 1/4 sec. cor. on S. bdy. of sec. 36, 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. 2 and 3, with brass cap, marked



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, S. of cor.

Land, rolling and mountainous.

Soil, malpais formation, 3rd and 4th rate.

Timber, juniper and pinyon.

Undergrowth, greasewood, sage brush, catclaw, scrub oak and rabbit brush.

East, on a random line, bet. secs. 15 and 22.

40.00 Set temp. 1/4 sec. cor.

82.47 Intersect N. and S. line 7 lks. N. of the cor. of secs. 14, 15, 22 and 23.

Thence N.89°57'W., on a true line, bet. secs. 15 and 22.

Desc. 250 ft., over rocky SW. slope, through scattering timber and undergrowth.

27.10 Ravine, course NW. Asc. 80 ft., on rocky NE. slope.

36.45 Spur, slopes NW. Desc. 40 ft., on rocky SW. slope.

40.00 Establish 1/4 sec. cor. for sec. 15 only, as follows:

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



1916

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.

40.40 Bottom of ravine, course NW. Asc. steep, rocky NE. slope.

42.47 (40.00 chs. from the cor. of secs. 21 and 22, reestablished as hereinbefore described) establish 1/4 sec. cor. for

Survey of Portion of Subdivisional Lines, T. 20 N., R. 4 W.

Chains

sec. 22 only, as follows:
Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, surrounded by a mound of stone, with brass cap, marked

1/4 S22

1916

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, S. of cor.

49.45 Spur, slopes N.; 100 ft. above bottom of ravine. Desc. 70 ft., on steep, rocky W. slope. Leave timber, bears NW. and SE.

57.25 Ravine, course N. Asc. 180 ft., on steep E. slope.

72.80 Ridge bears N. and S. Desc. 100 ft., on rocky W. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 15 and 16 only, with brass cap, marked

T20N | R4W
S16 | S15

1916

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.

82.47 The cor. of secs. 21 and 22.

Land, mountainous.
Soil, decomposed sandstone; 4th rate.
Timber, juniper and pinyon.
Undergrowth, scrub oak, catclaw, greasewood and rabbit-brush.

From the cor. of secs. 15 and 16,
N. 0° 01' W., bet. secs. 15 and 16,
over rocky W. slope, through scattering undergrowth.

3.00 Asc. over steep S. slope.

7.50 Enter scattering juniper and pinyon timber, bears NE. and SW.

17.50 Top of hill. Desc. over N. slope.

29.50 Leave timber, bears NE. and SW.

33.00 Spur extends NW. Desc. over steep, rocky NE. slope.

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
S16 | S15

1916

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

43.22 Wash, 50 lks. wide, 2 ft. deep, course W.; 370 ft. below hill at 7.50 ch. pt. Thence over small valley.

69.35 Wash, course W., 20 lks. wide, 5 ft. deep.

69.40 Asc. steep, rocky SE. slope.

76.50 Thence over rocky W. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in the ground, surrounded by a mound of stone, for cor. of secs. 9, 10, 15 and 16, with brass cap, marked

T20N | R 4W
S 9 | S10
S16 | S15

1916

Chains

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

Land, mountainous.

Soil, gravelly loam, 2nd rate; and sandstone, 4th rate.

Timber, pinyon and juniper.

Undergrowth, greasewood, scrub oak, rabbit brush and prickly pear.

40.00

East, on a random line, bet. secs. 10 and 15.

Set temp. ¼ sec. cor.

79.90

Intersect N. and S. line at the cor. of secs. 10, 11, 14 and 15.

Thence West, on a true line, bet. secs. 10 and 15, over rolling land, through scattering timber and undergrowth.

12.13

Wash, 6 lks. wide, 1 ft. deep, course SW.

15.40

Asc. over steep SE. slope, 135 ft.

25.70

Ridge bears N. and S. Leave timber, and desc. on rocky NW. slope.

39.95

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap, marked

S10
¼
S15
1916

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

43.90

Ft. of slope.

44.80

Wash, 10 lks. wide, 2 ft. deep, course SW. Thence on SE. slope.

77.25

Spur, slopes SW. Desc. steep rocky W. slope.

79.90

The cor. of secs. 9, 10, 15 and 16.

Land, rolling and broken.

Soil, sandstone, 4th rate.

Timber, scattering juniper and pinyon.

Undergrowth, rabbit brush, catclaw and prickly pear.

N.0°01'W., bet. secs. 9 and 10, over rocky W. slope, through scattering undergrowth.

4.50

Desc. over NW. slope.

18.63

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

22.50

Asc. steep rocky SW. slope.

31.80

Point of spur from E.

32.50

Desc. steep, rocky NW. slope.

40.00

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, surrounded by a mound of stone, for ¼ sec. cor., with brass cap, marked

¼
S 9 | S10
1916

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

44.70

Ravine, course S.70°W.

45.25

Asc. rocky slope; inclines about WSW.

73.00

Top of spur, sloping S.10°E.

74.10

Enter scattering juniper timber.

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. 3, 4, 9 and 10, with brass cap, marked

Survey of Portion of Subdivisional Lines, T. 20 N., R. 4 W.

Chains

T20N	R 4W
S4	S3
S 9	S10

1916

from which

- A pinyon, 8 ins. diam., bears N.64½°E., 178 lks. dist., marked T20N R4W S3 BT.
- A juniper, 12 ins. diam., bears S.56½°E., 95 lks. dist., marked T20N R4W S10 BT.
- A juniper, 10 ins. diam., bears S.24°W., 62 lks. dist., marked T20N R4W S9 BT.
- A juniper, 8 ins. diam., bears N.8°W., 60 lks. dist., marked T20N R4W S4 BT.

Land, rolling and broken.
 Soil, sandstone formation, 4th rate.
 Timber, juniper.
 Undergrowth, prickly pear, greasewood, catclaw and rabbit brush.

40.00
79.90

East, on a random line, bet. secs. 3 and 10.
 Set temp. ¼ sec. cor.
 Intersect N. and S. line 11 lks. N. of the cor. of secs. 2, 3, 10 and 11.

1.40
39.95

Thence N.89°55'W., on a true line, bet. secs. 3 and 10, ascending rocky SE. slope, through scattering timber and undergrowth.
 Summit of ascent. Thence over rolling mesa, draining N.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap, marked

S 3
¼
S10
1916

69.90
79.90

dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, 3½ ft. base, 1½ ft. high, N. of cor.
 Asc. 100 ft., over rocky NE. slope.
 The cor. of secs. 3, 4, 9 and 10.

Land, rolling and broken.
 Soil, sandstone formation, 2nd to 4th rate.
 Timber, scattering juniper and pinyon.
 Undergrowth, rabbit brush, greasewood and prickly pear.

13.50
26.00
40.00

N.0°01'W., bet. secs. 3 and 4.
 Desc. 75 ft., over NE. slope, through scattering timber and undergrowth.
 Thence asc. rocky S. slope.
 Rocky spur, slopes SE. Desc. rocky NE. slope.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap, marked

S4	S3
1916	

from which

- A juniper, 12 ins. diam., bears S.89°E., 37 lks. dist., marked ¼ S3 BT.
- A juniper, 10 ins. diam., bears S.5°W., 34 lks. dist., marked ¼ S4 BT.

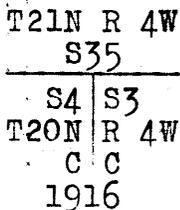
44 Survey of Portion of Subdivisional Lines, T. 20 N., R. 4 W.

Chains

53.03 Intersect 5th St. Par. N., 172 lks. S.89°24'W. from the reestablished standard 1/4 sec. cor. on S. bdy. of sec. 35, T. 21 N., R. 4 W., 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



from which

A juniper, 10 ins. diam., bears S.11°E., 159 lks. dist., marked T20N R4W S3 BT.

A juniper, 24 ins. diam., bears S.53 1/2°W., 248 lks. dist., marked T20N R4W S4 BT.

Land, rolling.

Soil, sandstone formation; 2nd and 4th rate.

Timber, juniper.

Undergrowth, greasewood, prickly pear and rabbit brush.

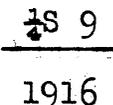
West, on a true line, bet. secs. 9 and 16.

Desc. 110 ft., over rocky W. slope, through scattering undergrowth.

7.60 Thence over rolling bottom land.

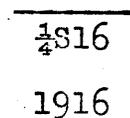
13.10 Wash, 40 lks. wide, 2 ft. deep, course SW.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor. of sec. 9 only, with brass cap, marked



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

46.61 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/2 sec. cor. of sec. 16 only, with brass cap, marked



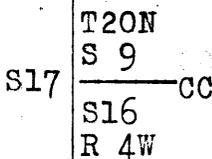
dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, S. of cor.

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

86.61 Intersect E. bdy. of sec. 17, 61 lks. S.2°30'E. of reestablished cor. of secs. 8 and 17, 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. 9 and 16, with brass cap, marked



1916

Dig pits 24x18x12 ins., crosswise on each line, N. and S. 3 ft. and E. of post, 7 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, E. of cor.

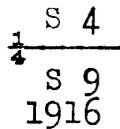
Survey of Portion of Subdivisional Lines, T. 20 N., R. 4 W.

Chains

Land, rolling.
Soil, gravelly loam and decomposed sandstone; 2nd and 4th rate.
Timber, none.
Undergrowth, rabbit brush.

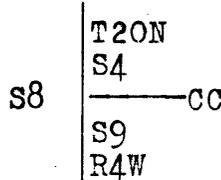
West, on a true line, bet. secs. 4 and 9, ascending on NE. slope, through scattered junipers and undergrowth.

- 24.50 Spur, slopes S.70°E. Desc. SW. slope, 100 ft.
- 34.80 Ravine, course S. Asc. E. 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 juniper, 6 ins. diam., bears N.33°W., 28 lks. dist., marked $\frac{1}{4}$ S4 BT.
- A juniper, 14 ins. diam., bears S.77°W., 63 lks. dist., marked $\frac{1}{4}$ S9 BT.
- 43.50 Ridge bears N. and S., 120 ft. above ravine. Desc. NW. slope, 235 ft.
- 67.90 Ravine, course N. Leave timber, bears NE. and SW.
- 69.00 Spur, slopes NW. Desc. 490 ft., on steep W. slope.
- 89.96 Intersect E. bdy. of sec. 8, 71 lks. S.2°38"E. of the reestablished cor. of secs. 5 and 8, 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 9, with brass cap, marked



1916

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

Land, mountainous.
Soil, sandstone, formation; 2nd and 4th rate.
Timber, juniper and pinyon.
Undergrowth, scrub oak, greasewood, catclaw, prickly pear and rabbit brush.

- From the cor. of secs. 5 and 8, N.0°02'W., bet. secs. 4 and 5. Asc. 95 ft., on rocky SW. slope, through scattering undergrowth.
- 9.50 Spur, slopes NW. Desc. rocky NW. slope, 210 ft.
- 20.66 Left bank of Partridge Creek, 60 lks. wide, water 8 ins. deep, course W.
- 21.26 Right bank of same.
- 21.50 Asc. rocky SE. slope, 125 ft.
- 30.30 Thence over rolling mesa.
- 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. 5, marked on brass cap,

Chains

S 5

1916

Raise a mound of stone 2 ft. base, 1 1/2 ft. high, W. of cor.

51.42 Intersect 5th St. Par. N., 8.96 chs. S. 88° 44' W., of the standard 1/4 sec. cor. on S. bdy. of sec. 34, reestablished as 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

T21N R 4W

S34

S5 | S4

T20N | R 4W

C C

1916

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, S. of cor.

Land, rolling and mountainous.

Soil, sandstone formation; 4th rate; gravelly loam, 2nd rate.

No timber.

Undergrowth, greasewood and rabbit brush.

LATITUDES, DEPARTURES, AND CLOSING ERRORS.

Portion of T. 20 N., R. 4 W.							
Line designated	True Course	Dist.	Latitudes		Departures		
			N.	S.	E.	W.	
		chs.	chs.	chs.	chs.	chs.	
South Boundary	S.85°01'W.	36.72		3.19		36.58	
	S.89°49'W.	80.26		.26		80.26	
	WEST	80.14				80.14	
	S.89°44'W.	40.05		.19		40.05	
West Boundary, (Subdivisional)	N.0°08'E.	80.15	80.15		.19		
	N.1°05'W.	80.16	80.15			1.52	
	N.89°38'W.	81.05	.52			81.05	
	N.0°18'W.	80.22	80.22			.42	
	S.89°46'W.	80.70		.33		80.70	
	N.1°02'W.	40.07	40.06			.72	
	N.1°33'W.	40.01	40.00			1.08	
	N.89°09'W.	80.25	1.19			80.24	
(1st G. M. W.)	N.4°13'W.	127.86	127.51			9.40	
North Boundary, (5th St. Par. N.)	N.89°14'E.	13.42	.18		13.42		
	N.88°37'E.	40.12	.97		40.11		
	N.88°43'E.	40.04	.90		40.03		
	N.89°09'E.	40.08	.59		40.08		
	N.88°44'E.	40.51	.90		40.50		
	N.89°44'E.	41.08	.19		41.08		
	N.89°24'E.	41.72	.44		41.72		
	N.89°23'E.	40.08	.43		40.08		
	S.89°57'E.	38.04		.03	38.04		
East Boundary, (Subdivisional)	S.0°01'E.	213.39		213.39	.06		
	N.89°55'E.	79.98	.12		79.98		
	SOUTH	80.00		80.00			
	EAST	75.33			75.33		
(On Rge. Line)	S.0°34'W.	35.49		35.49		.35	
	S.1°55'E.	40.80		40.78	1.36		
	S.0°03'E.	40.45		40.45	.04		
	S.0°33'E.	40.21		40.21	.39		
Totals			454.52	454.32	492.41	492.51	
			454.32			492.41	
Error in latitude			.20				
Error in departure						.10	

The NW. portion of the part of this township surveyed and resurveyed under this group consists of level and rolling land in the bottom of the Big Chino Valley; the NE. edge of which extends in a southeasterly direction through sections 5, 8, 17, 16, 21, 28, 27, 34, 35 and 36. From this valley the land rises over foothills, steep spurs and ridges, to high, broken mesas and buttes. Deeply eroded ravines carry the drainage southwesterly to the Chino Wash, the largest tributary of which is Partridge Creek, which flows through sections 2, 3, 4, 5, 8 and 7, and enters Chino Wash in section 18.

The soil varies from 1st and 2nd rate deep sandy loam in the valley--well suited to agriculture if irrigated--to 4th rate stony land and bare rocks on the slopes and ridges. On the more smoothly rolling tops of mesas the soil is a 2nd rate sandy loam.

The valley land is open, with a small amount of undergrowth of rabbit brush and cactus. The remainder of the area supports a growth varying from scant to dense, of cedar, juniper, pinyon, scrub oak, greasewood, catclaw cactus, and occasional examples of other species. Fair grazing exists over the entire area, a part of which is under fence. The Bailey Ranch is located on Partridge Creek, in section 18, near the NE. corner.

No indications of valuable mineral were noted.

CERTIFICATE OF UNITED STATES TRANSITMAN.

I, William R. Johnston U. S. Transitman, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Group 62, Arizona, bearing date of the 5th day of October, 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, ^{re-} surveyed all those parts or portions of the 5th. Standard North, through Range 4 West, and a portion of the West boundary of Township 20 North, Range 4 West, of the Gila and Salt River Base and Meridian, in the State of State of Arizona, which are represented in the foregoing field notes ^{and by the diagram on page 2 hereof} as having been executed by me, and under my direction; and that all the corners of said ^{re} 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 62, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of ^{re-} such survey.

William R. Johnston
U.S. 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.

I, Fred Mensch, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Group 62, Arizona, bearing date of the 5th day of October, 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 20 North, Range 4 West, and resurveyed all those parts or portions of the 5th Standard Parallel North, through Range 4 West, the 1st the 1st Guide Meridian West, through Township 20 North, the South boundary and subdivision lines of Township 20 North, Range 4 West and the West boundary of Township 20 North, Range 3 West, of the Gila and Salt River Base and Meridian, in the State of Arizona, which are represented in and by the diagram on page 2 hereof the foregoing field notes, as having been executed by me, and under my direction; and that all the corners of said survey, and resurvey 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 62, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey and resurvey.

Fred Mensch
 U. S. Surveyor.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,
 Phoenix, Arizona, October 16, 1918.

The foregoing field notes of the survey of a portion of the Subdivision lines of Township 20 North, Range 4 West, and the resurvey of

The 5th Standard Parallel North, through Range 4 West,
The 1st Guide Meridian West, through Township 20 North,
A portion of the South boundary of Township 20 North, Range 4 West,
A portion of the West Boundary of Township 20 North, Range 3 West, and
A portion of the subdivision lines of Township 20 North, Range 4 West,
of the Gila and Salt River Base and Meridian, in the State of Arizona,
 executed by Fred Mensch, U.S. Surveyor, and Wm. R. Johnston, U.S. Transitman,
 under ~~his~~ special instructions for Group 62, Arizona, dated Oct. 5, 1915, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved and resurveys

Frank O. Frost
 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.~~