

# FIELD NOTES

OF THE SURVEY OF

part of the Subdivision lines of

Township 28 North, Range 9 West,

Of the Gila and Salt River Base and Meridian,

In the State of Arizona

EXECUTED BY

Quintin Campbell, U. S. Surveyor,

and

Francis R. Ihrle, U. S. Transitman,

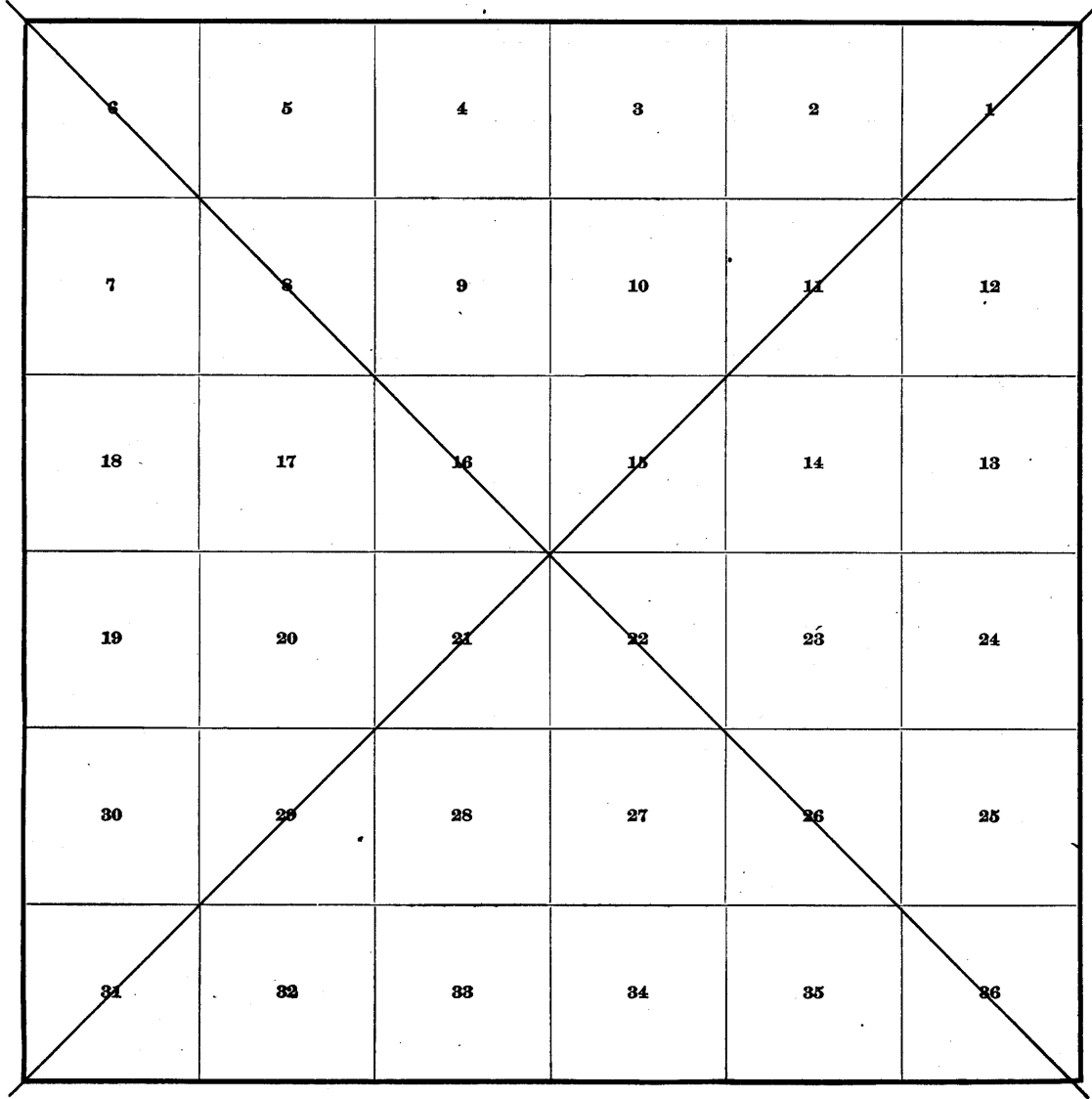
In the capacity of U. S. Surveyor, under Special Instructions dated Feb. 25, 1920, issued by the United States Surveyor General to govern surveys included in Group No. 107, Arizona, which were approved by the Commissioner of the General Land Office, March 8, 1920, and Assignment Instructions dated March 19, 1920 and November 24, 1920

Survey commenced November 29, 1920

Survey completed December 18, 1920

# ~~INDEX DIAGRAM.~~

~~Township~~-----, ~~Range~~-----



Book "J"

IA

Group 107 Arizona

Index Diagram

Township 28 North, Range 9 West

BOOK 3537

									7th Standard Parallel North		
6	5	4	3	19	2	11	1				
			27		19		11				
7	8	9	26	10	18	11	10	12			
			25		17		9				
18	17	16	24	15	16	14	8	13			
			24		16		7				
19	20	21	23	22	15	23	7	24			
			22		15		6				
30	29	28	21	27	14	26	5	25			
			21		13		4				
31	32	33	20	34	12	35	4	36			

————— Lines surveyed under this group.

————— Lines surveyed under current group No.106.

----- Unsurveyed.

Date Diagram

Township 28 North, Range 9 West

BOOK 3537

7th Standard Parallel North			
43	3	2	1
12-18-20	12-16-20	12-15-20	12-11-20
12-16-20	12-10-20	12-9-20	12-10-20
9	10	11	12
12-17-20	12-15-20	12-8-20	12-9-20
16	15	14	13
12-14-20	12-7-20	12-8-20	12-7-20
12-14-20	12-4-20	12-6-20	12-7-20
21	22	23	24
12-13-20	12-3-20	12-6-20	12-1-20
12-13-20	12-2-20	12-2-20	12-1-20
28	27	26	25
12-10-20	12-2-20	12-1-20	12-1-20
12-10-20	11-30-20	11-30-20	11-30-20
33	34	35	36
12-9-20	11-29-20	11-29-20	11-30-20

See Book "I" for dates of execution of survey of this line

see Book "H" for dates of execution of survey of this line

On above diagram:-

black lines were surveyed by Quintin Campbell, U.S. Surveyor,  
red lines were surveyed by Kenneth W. Bond, U.S. Transitman, and  
blue lines were surveyed by Francis R. Ihrie, U.S. Transitman,  
on dates shown thereon,  
and brown lines indicate surveys executed under current  
Group No. 106.

Surveys hereinafter described, executed on dates shown on diagram on page 2 hereof, by Quintin Campbell, U.S. Surveyor, and Francis R. Ihrie, U.S. Transitman, using respectively, Young and Sons light mountain transits Nos. 8491 and 8477. Each instrument is equipped with full vertical circle and the Smith solar attachment; unless otherwise specified, all azimuth determinations are accomplished with the solar attachments.

Preliminary test of instruments by Quintin Campbell, U.S.S.  
and Kenneth W. Bond, U.S. Transitman.

We examine the adjustments of each instrument, and correct all errors; then, to test the solar apparatus by comparing its indications from observations made during a.m. and p.m. hours with a meridian established by Polaris observation, proceed with each instrument as follows:

Nov. 28, 1920: At camp near the center of the SE.  $\frac{1}{4}$  of sec. 14, T.28 N., R.9 W., Gila and Salt River Base and Meridian, Arizona, in latitude  $35^{\circ}48'49''$  N., and longitude  $113^{\circ}12'27''$  W. at 3h. 2.3m. a.m., l.m.t., observe Polaris at western elongation, making four observations, two each with the telescope in direct and reversed positions and mark the mean point in the line thus determined on a peg driven firmly in the ground, 5 chs. N.

Azimuth of Polaris at western elongation =  $1^{\circ}22'25''$ .

Lay off the azimuth of Polaris  $1^{\circ}22\frac{1}{2}'$  to the east, and mark the meridian thus determined by a tack in a peg driven firmly in the ground, 5 chs. N.

At 8h. 00m., a.m., l.m.t., set off  $35^{\circ}49'$  N. on the lat. arc;  $21^{\circ}16\frac{1}{2}'$  S. on the decl. arc, and determine a meridian with the solar, which agrees with the true meridian.

At app. noon, with the lat. arc unchanged, observe the sun on the meridian; the resulting reading of the decl. arc is  $21^{\circ}20\frac{1}{2}'$  S., which agrees with the computed declination of the sun.

At 4h. 00m., p.m., l.m.t., with the lat. arc unchanged, set off  $21^{\circ}20'$  S. on the decl. arc, and determine a meridian with the solar, which agrees with the true meridian.

As all of the solar observations made during the usual hours of solar work come within  $1'30''$  of the true meridian, we conclude that the adjustments of the instruments are satisfactory.

Unless otherwise specified all measurements are made with Lallie steel tapes 2 and 5 chs. in length compared with a Lufkin standard steel tape, and found correct.

The measurements are made on the slope, the vertical angles determined, and the slope measurements properly reduced to true horizontal distances.

## 4 Survey of part of Subdivision lines of T.28 N., R.9 W.

Chains.

- From the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp., described in Book "H,"  
N. 0° 1' W., bet. secs. 35 and 36.  
Over mountainous land, thru. dense timber and scattering undergrowth.
- 1.31 Ascend 48 ft., over SE. face of cliff.  
Top of cliff, brs. N. 5° E. and S. 10° W.
- 10.70 Thence along E. slope, ascending 15 ft. to Rocky gulch, 20 lks. wide, course SE., near head.
- 22.70 Ascend 101 ft., over SE. slope, to Rocky gulch, 20 lks. wide, course SE. near head.
- 26.30 Ascend 70 ft., over S. slope. Ridge, brs. NE. and W.
- 40.00 Descend 37 ft., over NW. slope, to Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bed rock, and raise a mound of stone around post, for  $\frac{1}{4}$  sec. cor., marked on brass cap,

$$\begin{array}{c} \frac{1}{4} \\ \hline S35 \quad | \quad S36 \end{array}$$

1920

from which,

A pine, 10 ins. in diam., brs. N. 64° E., 45 lks. dist., marked  $\frac{1}{4}$  S 36 BT.

A pine, 10 ins. in diam., brs. S. 33° W., 22 lks. dist., marked  $\frac{1}{4}$  S 35 BT.

- 58.40 Ascend 151 ft., over S. slope. Spur, slopes E. from hill, the top of which brs. West 3 chs. dist.
- 61.20 Descend 70 ft. over N. slope. Gulch, 20 lks. wide, course NE., near head.
- 64.16 Ascend 70 ft., over SE. slope. Spur, from same hill, slopes NE.
- 76.33 Descend 160 ft., over N. slope, to Ascend slightly over E. slope, to
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in the ground to bed rock, and raise a mound of stone around post, for cor. of secs. 25, 26, 35 and 36, marked on brass cap,

$$\begin{array}{c} T28N \quad R9 \quad W \\ \hline S26 \quad | \quad S25 \\ \hline S35 \quad | \quad S36 \\ 1920 \end{array}$$

from which,

A pine, 8 ins. in diam., brs. N. 87 $\frac{1}{2}$ ° E., 131 lks. dist., marked T28N R9W S25 BT.

A pine, 10 ins. in diam., brs. S. 8° E., 103 lks. dist., marked T28N R9W S36 BT.

A sandstone boulder, 8x5x1 ft. above ground, brs. S. 51° W., 19 lks. dist., marked X BO S 35.

A sandstone boulder, 8x8x1 ft. above ground, brs. N. 50° W., 15 lks. dist., marked X BO S26.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, dense juniper and pine.

Undergrowth, scattering prickly ash, scrub oak and scrub juniper.

No grass.

- 40.00 N. 89° 59' E., on a random line, bet. secs. 25 and 36. Set temp.  $\frac{1}{4}$  sec. cor.

Part of Subdivision lines of Township 28 North, Range 9 West. 5

Chains.

- 80.10 Fall 23 lks.S. of the cor.of secs.25,30,31 and 36, on E. bdy. of the Tp., described in Book "I,"  
Thence,  
S.89°49'W., on a true line, bet. secs.25 and 36.  
Over mountainous land, thru. dense timber and undergrowth.  
Ascend 110 ft., over SE.slope, on N. or right wall of canyon.
- 12.73 Descend 204 ft., over S. and SW. slopes.
- 33.50 Gulch, 10 lks.wide, course SW. into bottom of canyon.  
Ascend 35 ft., over SE.slope, to
- 40.05 Point of spur, slopes SW. Set an iron post, 3 ft.long, 1 in. in diam., 26 ins.in the ground, for 1/4 sec.cor., marked on brass cap,

$\frac{1}{4}$  S 25  
 S 36  
 1920

from which,  
 A pine, 10 ins.in diam., brs.N.80°W., 39 lks.  
 dist., marked  $\frac{1}{4}$  S 25 BT.  
 A juniper, 12 ins. in diam., brs.S.20°E., 46 lks.  
 dist., marked  $\frac{1}{4}$  S 36 BT.

- 52.19 Descend 94 ft., over SW.slope, to  
Gulch, 10 lks.wide, course SW.  
Ascend 14 ft., over SE.slope.
- 54.30 Descend 40 ft., over SW.slope, to
- 65.10 Same gulch, 10 lks.wide, course NW.  
Ascend 25 ft., over NE.slope.
- 68.00 Point of low spur, slopes NW.  
Descend 28 ft., over NW.slope.
- 71.90 Bottom of canyon, 20 lks.wide, course NW.  
Ascend 30 ft., over E.slope, to
- 80.10 The cor.of secs. 25, 26, 35 and 36.  
Land, mountainous.  
Soil, rocky, 4th rate.  
Timber, dense juniper and pine.  
Undergrowth, dense prickly ash and sagebrush, scrub oak and scrub juniper.  
No grass.

N.0°1'W., bet. secs: 25 and 26.  
 Over mountainous land, thru. dense timber and undergrowth.  
 Ascend 14 ft., over E.slope.

- 3.19 Descend 85 ft., over NE.slope, to
- 11.40 Top of cliffs, bearing SE. and W., facing N., and forming E. or left rim of Diamond Creek Canyon.  
Descend 225 ft., over cliffs, to
- 16.10 Bottom of side canyon, 20 lks. wide, course N.70°W.  
Ascend 51 ft., over SW.slope, to
- 23.75 Foot of cliffs, bearing NW. and SE.  
Ascend 183 ft., to
- 31.16 Top of cliffs, bearing NW. and SE., facing SW. Thence over W.slope, ascending gradually to
- 40.00 Set an iron post, 3 ft.long, 1 in. in diam., 12 ins.in the ground, to bed rock, and raise a mound of stone around post for 1/4 sec.cor., marked on brass cap,

$\frac{1}{4}$   
 S26 | S25  
 1920

from which,  
 A pine, 8 ins.in diam., brs.S.81°E., 54 lks.  
 dist., marked  $\frac{1}{4}$  S 25 BT.  
 A pine, 8 ins. in diam., brs.N.81°W., 120 lks.  
 dist., marked  $\frac{1}{4}$  S 26 BT.

6 part of Subdivision lines of Township 28 North, Range 9 West.

Chains.

- 43.20 Ascend 10 ft., over SW. slope, to Point of spur, slopes W.
- 50.73 Descend 99 ft. over NW. slope, Rocky gulch, 25 lks. wide, course W.
- 54.10 Ascend 77 ft., over EW. slope.
- 77.10 Thence along steep broken W. slope, ascending 175 ft., to Descend gradually along W. slope, to
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 23, 24, 25 and 26, marked on brass cap,

T28N | R9 W  
 S23 | S24  
 S26 | S25  
 1920

from which,

- A pine, 14 ins. in diam., brs. S. 21° E., 12 lks. dist., marked T28N R9W S25 BT.
- A pine, 10 ins. in diam., brs. S. 47° W., 81 lks. dist., marked T28N R9W S26 BT.
- A limestone boulder, 6x6x4 ft., above ground, brs. N. 33½° E., 17 lks. dist., marked X BO S24.
- A limestone boulder, 3x3x1 ft. above ground, brs. N. 42½° W., 39 lks. dist., marked X BO S23.

Land, mountainous.

Soil, rocky 4th rate.

Timber, dense juniper and pine.

Undergrowth, dense sagebrush, prickly ash and scrub oak.

No grass.

- 40.00 N. 89° 49' E., on a random line, bet. secs. 24 and 25. Set temp. ¼ sec. cor.
- 79.92 Intersect the cor. of secs. 19, 24, 25 and 30, on E. bdy. of the Tp., described in Book "I."
- Thence,
- S. 89° 49' W., on a true line, bet. secs. 24 and 25.
- Over mountainous land, thru. dense timber and undergrowth.
- Ascend 10 ft., over N. slope.
- 3.00 Descend 64 ft., over NW. slope.
- 6.90 Head of gulch, 10 lks. wide, course NE.
- Ascend 148 ft., over NE. slope.
- 22.85 Ridge, brs. NW. and SE.
- Descend 94 ft., over SW. slope.
- 28.70 Head of gulch, 20 lks. wide, course S.
- Ascend 147 ft., over E. slope.
- 39.50 Spur, slopes S.
- 39.96 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground, to bed rock, and raise a mound of stone around post, for ¼ sec. cor., marked on brass cap,

S 24  
 ¼  
 S 25  
 1920

from which,

- A pine, 8 ins. in diam., brs. N. 51° W., 24 lks. dist., marked ¼ S 24 BT.
- A pine, 6 ins. in diam., brs. S. 78° W., 15 lks. dist., marked ¼ S 25 BT.

- 46.60 Descend 116 ft. over W. slope.
- Head of gulch, 20 lks. wide, course S.
- 58.10 Ascend 148 ft., over E. slope.
- Top of cliffs, bearing N. and S. facing W., and forming E. or left rim of Diamond Creek Canyon.
- 79.92 Descend 1056 ft. to The cor. of secs. 23, 24, 25 and 26.
- Land, mountainous.
- Soil, rocky, 4th rate.

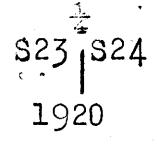


Part of Subdivision lines of Township 28 North, Range 9 West.

Chains.

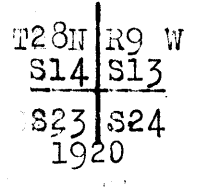
Timber, dense juniper and pine.  
Undergrowth, dense prickly ash, sagebrush and scrub oak.  
No grass.

- N.0°1'W., bet. secs.23 and 24.
- Over mountainous land, thru dense timber and undergrowth along E. or left wall of Diamond Creek Canyon, bearing N. and S.
- Descend 20 ft., over W. slope.
- 2.10 Gulch, 10 lks. wide, course SW.
- Ascend 97 ft., over SW. slope.
- 6.50 Descend 25 ft., over NW. slope.
- 12.97 Gulch, 10 lks. wide, course W.
- Ascend 210 ft., over S. slope.
- 29.95 Spur, slopes W.
- Descend 40 ft., over N. slope.
- 36.40 Gulch, 10 lks. wide, course SW.
- Ascend 70 ft., over S. slope, to
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap,



- from which,
- A pine, 8 ins. in diam., brs. S. 84° E., 78 lks. dist., marked 1/4 S 24 BT.
- A pine, 12 ins. in diam., brs. N. 61° W., 90 lks. dist., marked 1/4 S 23 BT.

- Ascend 12 ft. over S. slope.
- 43.50 Spur, slopes W.
- Descend 125 ft., over N. slope.
- 47.70 Gulch, 15 lks. wide, course W.
- Ascend 60 ft., over SW. slope.
- 63.90 Descend 29 ft., over NW. slope.
- 68.90 Gulch, 10 lks. wide, course SW.
- Ascend 167 ft., over SW. slope, to
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in the ground to bed rock, and raise a mound of stone around post, for cor. of secs. 13, 14, 23 and 24, marked on brass cap,



- from which,
- A pine, 12 ins. in diam., brs. N. 29° E., 151 lks. dist., marked T28N R9W S13 BT.
- A pine, 10 ins. in diam., brs. S. 56° E., 130 lks. dist., marked T28N R9W S24 BT.
- A pine, 8 ins. in diam., brs. S. 81° W., 49 lks. dist., marked T28N R9W S23 BT.
- A pine, 12 ins. in diam., brs. N. 17° W., 178 lks. dist., marked T28N R9W S14 BT.

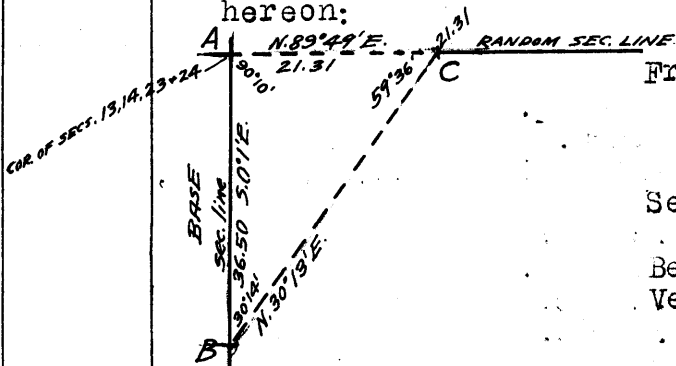
Land, mountainous.  
Soil, rocky, 4th rate.  
Timber, dense juniper and pine.  
Undergrowth, dense sagebrush, quinine brush and prickly ash.  
No, grass.

N. 89° 49' E., on a random line, bet. secs. 13 and 24.  
The western part of this sec. line passes over precipitous

8 Part of the Subdivision lines of Township 28 North, Range 9 West.

Chains.

cliffs on the E. or left wall of Diamond Creek Canyon and chaining is impracticable; therefore, triangulate as described as follows, and as shown on the diagram hereon:



From cor. of secs. 13, 14, 23 and 24, indicated on diagram at "A," measure a Base S. 0°1' E., 36.50 chs. to point "B." Set flag ahead on random sec. line at point "C." Bearing "B-C" = N. 30°13' E. Vertical angle "A" to "C" = + 25°.

Included angles of triangle "A-B-C" are 90°10', 30°14' and 59°36' the sum of which is 180°00'.

Triangulated measurement of "A-C" is obtained by  $\frac{\sin 30^{\circ}14' \times \text{Base}}{\sin 59^{\circ}36'}$  or  $\frac{.50352 \times 36.50}{.86251} = 21.31$  chs..

- 21.31 Triangulation point. Continue line and measurement by chaining.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 79.74 Fall 17 lks. N. of the cor. of secs. 13, 18, 19 and 24, on the E. bdy. of the Tp., described in Book "I." Thence, S. 89°56' W., on a true line, bet. secs. 13 and 24. Over mountainous land, thru. dense timber and undergrowth. Descend slightly along N. slope, to Descend 274 ft., over NW. slope.
- 3.00 Gulch, 15 lks. wide, course NW.
- 15.54 Ascend 368 ft. over NE. slope, to Descend 15 ft., over N. slope, to
- 30.38 Head of gulch, 10 lks. wide, course NE.
- 34.30 Ascend 50 ft., over E. slope, to
- 39.87 E. edge of flat top of ridge, bearing N. and S. Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap,
 

S 13

S 24

1920
- 52.24 from which, A juniper, 8 ins. in diam., brs. N. 68° E., 134 lks. dist., marked  $\frac{1}{4}$  S 13 BT. A pine, 8 ins. in diam., brs. S. 68° W., 39 lks. dist., marked  $\frac{1}{4}$  S 24 BT. Thence across flat top of ridge, bearing N. and S. West edge of flat top of ridge, brs. N. and S. and forming E. or left rim of Diamond Creek Canyon. Descend 200 ft. over steep W. slope, to
- 58.43 Triangulation point at top of cliffs, bearing N. and S. facing W. Discontinue chaining. Measurement to sec. cor. by triangulation.
- 79.74 Descend 656 ft., over W. and SW. faces of cliffs, to The cor. of secs. 13, 14, 23 and 24. Land, mountainous. Soil, rocky, 4th rate. Timber, dense juniper and pine. Undergrowth, dense sagebrush and quinine brush. No grass.

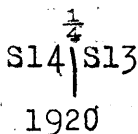
N. 0°1' W., bet. secs. 13 and 14. Over mountainous land, thru. dense timber and undergrowth,

Part of Subdivision lines of Township 28 North Range 9 West. 9

Chains.

along E. or left wall of Diamond Creek Canyon, bearing N. and S.

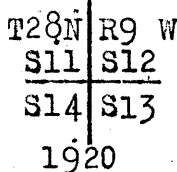
- 3.35 Ascend 42 ft., over SW. slope.
- Point of spur, sloping W.
- 12.90 Descend 306 ft., over NW. slope.
- Gulch, 20 lks. wide, course W.
- 20.80 Ascend 200 ft., over S. slope.
- Spur, slopes W.
- 33.36 Descend 165 ft., over N. slope.
- Gulch, 10 lks. wide, course W.
- 38.36 Ascend 125 ft., over S. slope.
- Spur, slopes W.
- 40.00 Descend 21 ft., over N. slope, to
- Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap,



from which,

- A juniper, 10 ins. in diam., brs. N.  $76\frac{1}{2}^\circ$  E., 45 lks. dist., marked  $\frac{1}{4}$  S 13 BT.
- A pine, 10 ins. in diam., brs. S.  $60^\circ$  W., 39 lks. dist., marked  $\frac{1}{4}$  S 14 BT.

- 46.60 Descend 143 ft., over N. slope.
- Gulch, 10 lks. wide, course W.
- Ascend 60 ft., over SW. slope.
- 50.34 Descend 130 ft., over W. slope, to
- 60.00 Bottom of Diamond Creek Canyon, 30 lks. wide, course SW.
- Ascend 20 ft., over E. slope, to
- 71.20 Gulch, 10 lks. wide, course SE. Ascend 55 ft., over SE. slope.
- 75.00 Ascend slightly over E. slope, to
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 11, 12, 13 and 14, marked on brass cap,



from which,

- A pine, 8 ins. in diam., brs. N.  $69^\circ$  E., 122 lks. dist., marked T28N R9W S12 BT.
- A pine, 12 ins. in diam., brs. S.  $70\frac{1}{2}^\circ$  E., 105 lks. dist., marked T28N R9W S13 BT.
- A pine, 12 ins. in diam., brs. S.  $40^\circ$  W., 81 lks. dist., marked T28N R9W S14 BT.
- A juniper, 14 ins. in diam., brs. N.  $18\frac{1}{2}^\circ$  W., 84 lks. dist., marked T28N R9W S11 BT.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, dense juniper and pine.

Undergrowth, dense manzanita, sagebrush and scrub oak.

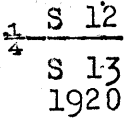
No grass.

- 
- 40.00 N.  $89^\circ 56'$  E., on a random line, bet. secs. 12 and 13.
  - 79.62 Set temp.  $\frac{1}{4}$  sec. corr.
  - Fall 28 lks. S. of the cor. of secs. 7, 12, 13 and 18, on the E. bdy. of the Tp., described in Book "I."
  - Thence,
  - S.  $89^\circ 44'$  W., on a true line, bet. secs. 12 and 13.
  - Over mountainous land, thru dense timber and undergrowth,

10 Part of Subdivision lines of Township 28 North, Range 9 West.

Chains.

near bottom of canyon.  
 Ascend 30 ft., over N. slope.  
 4.31 Descend 70 ft., over NW. slope.  
 11.10 Bottom of canyon, 20 lks. wide, course S. 88° W. Thence  
 along S. slope, near bottom of canyon.  
 Descend gradually to  
 39.81 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in  
 the ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap,

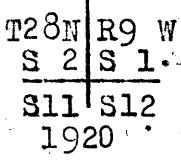


from which,  
 A pine, 8 ins. in diam., brs. N. 77° W., 75 lks. dist., marked  $\frac{1}{4}$  S 12 BT.  
 A pine, 12 ins. in diam., brs. S. 28° W., 42 lks. dist., marked  $\frac{1}{4}$  S 13 BT.  
 Descend 37 ft., over SW. slope.  
 47.60 Bottom of same canyon, 20 lks. wide, course NW.  
 Ascend slightly over N. slope, to  
 51.60 Gulch, 10 lks. wide, course N.  
 Ascend 50 ft., over NE. slope.  
 54.25 Point of spur, slopes N.  
 Descend 122 ft. over NW. slope.  
 70.10 Bottom of Diamond Creek Canyon, 20 lks. wide, course SW.  
 Ascend 37 ft., over E. slope, to  
 79.62 The cor. of secs. 11, 12, 13 and 14.  
 Land, mountainous.  
 Soil, rocky, 4th rate.  
 Timber, dense juniper and pine.  
 Undergrowth, dense sagebrush, manzanita, quinine brush  
 and scrub oak.  
 No grass.

N. 0° 1' W., bet. secs. 11 and 12.  
 Over mountainous land, thru. dense timber and undergrowth.  
 Ascend 125 ft., over E. slope.  
 14.75 Descend 39 ft., over NE. slope.  
 28.70 Gully, 15 lks. wide, course SE.  
 Ascend 98 ft., over SW. slope, to  
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in  
 the ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap,



from which,  
 A pine, 8 ins. in diam., brs. N. 83° E., 147 lks. dist., marked  $\frac{1}{4}$  S 12 BT.  
 A pine, 14 ins. in diam.; brs. N. 36° W., 23 lks. dist., marked  $\frac{1}{4}$  S 11 BT.  
 Leave dense, and enter scattering timber.  
 Ascend 541 ft., over SW. slope.  
 74.20 Spur, slopes SE.  
 Descend 90 ft., over NE. slope, to  
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in  
 the ground, for cor. of secs. 1, 2, 11 and 12, marked on  
 brass cap,



from which,

Part of Subdivision lines of Township 28 North, Range 9 West. 11

Chains.

A limestone ledge, 7x2x2 ft. high, brs. N. 70° E., 40 lks. dist., marked X B0 S1.  
 A limestone ledge 5x5x2 ft. high, brs. S. 80° E., 14 lks. dist., marked X B0 S12.  
 and raise a mound of stone 2 ft. base, 1½ ft. high, W. of post, 3 ft. dist.  
 Land, mountainous.  
 Soil, rocky, 4th rate.  
 Timber, juniper and pine; dense in S. ½; scattering in N. ½.  
 Undergrowth, dense scrub oak and prickly ash.  
 No grass.

40.00  
 79.90  
  
 2.73  
 10.10  
 12.10  
 21.34  
 30.80  
 39.95

N. 89° 44' E., on a random line, bet. secs. 1 and 12.  
 Set temporary ¼ sec. cor.  
 Fall 30 lks. N. of the cor. of secs. 1, 6, 7 and 12, on the E. bdy. of the Tp., described in Book "I."  
 Thence,  
 S. 89° 57' W., on a true line, bet. secs. 1 and 12.  
 Over mountainous land, thru. scattering timber and dense undergrowth.  
 Descend slightly along S. slope.  
 Descend 141 ft., over SW. slope, to  
 Gulch, 8 lks. wide, course SW.  
 Ascend 10 ft., over SE. slope.  
 Descend 158 ft., over S. and SW. slopes, to  
 Same gulch, 8 lks. wide, course NW.  
 Descend 92 ft., over NW. slope, to  
 Bottom of Diamond Creek, Canyon, 20 lks. wide, course SW.  
 Ascend 212 ft. over SE. slope, to  
 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap,

¼ S 1  
 S 12  
 1920

from which,  
 A pine, 14 ins. in diam., brs. N. 34° W., 144 lks. dist., marked ¼ S 1 BT.  
 A pine, 10 ins. in diam., brs. S. 81° W., 143 lks. dist., marked ¼ S 12 BT.

45.14  
 52.00  
 59.85  
 78.80  
 79.90

Ascend 140 ft., over SE. slope.  
 Point of spur, slopes S. from NW.  
 Descend 251 ft., over SW. slope, to  
 Gulch, 10 lks. wide, course SW. near head.  
 Descend 10 ft., over S. slope, to  
 Gulch, 20 lks. wide, course SE.  
 Ascend 357 ft., over NE. slope, to  
 Descend 12 ft., over N. slope, to  
 The cor. of secs. 1, 2, 11 and 12.  
 Land, mountainous.  
 Soil, rocky, 4th rate.  
 Timber, scattering juniper and pine.  
 Undergrowth, dense sagebrush.  
 No grass.

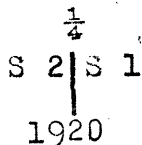
8.80  
 26.00  
 34.60  
 40.00

N. 0° 1' W., on true line, bet. secs. 1 and 2.  
 Over mountainous land, thru. scattering timber and dense undergrowth.  
 Descend 260 ft., over N. slope.  
 Gulch, 20 lks. wide, course SE.  
 Ascend 180 ft., over SE. slope, to  
 Head of gulch, 5 lks. wide, course SE.  
 Ascend 107 ft., over S. slope.  
 Spur, slopes SE.  
 Descend 25 ft., over NE. slope, to  
 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in

12 Part of Subdivision lines of Township 28 North, Range 9 West.

Chains.

the ground, for  $\frac{1}{4}$  sec.cor., marked on brass cap,

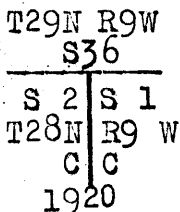


from which,

A juniper, 4 ins. in diam., brs. N.72°E., 92 lks.dist., marked  $\frac{1}{4}$  S 1 BT.

A juniper, 6 ins. in diam., brs.S.82 $\frac{1}{2}$ °W., 310 lks.dist., marked  $\frac{1}{4}$  S 2 BT.

- 43.43 Descend 70 ft., over NE. slope, to Head of gulch, 10 lks.wide, course SE.
- 47.25 Descend 53 ft. over NE. slope, to Gulch, 10 lks.wide, course E.
- 51.10 Ascend 175 ft., over S. slope. Spur, slopes E.
- 63.00 Descend 73 ft., over N. slope. Gulch, 20 lks.wide, course SE. near head.
- 66.12 Ascend 82 ft. over SW. and W. slope of hill to Intersect the N. bdy. of the Tp. (7th. Std. Par. N.) at a point 11.22 chs. W. of the std.  $\frac{1}{4}$  sec. cor. of sec. 36, T. 29 N., R. 9 W. established under current Group No. 106, which is an iron post, 1 in. in diam., projecting 16 ins. above ground, firmly set in ground, and mound of stone, properly marked on brass cap, and witnessed by a mound of stone, N. of cor. No bearing trees. At point of intersection, set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for closing cor. of secs. 1 and 2, marked on brass cap.



from which,

A pine, 8 ins. in diam., brs. S. 55 $\frac{1}{2}$ ° E., 120 lks. dist., marked T28N R9W S1 BT CC.

and raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$  ft. high, S. of post, 3 ft. dist.,

Land, mountainous.  
Soil, rocky, 4th rate.  
Timber, scattering juniper and pine.  
Undergrowth, dense sagebrush, chemisal, manzanita and scrub oak.  
No grass.

From the cor. of secs. 2, 3, 34 and 35, on the S. bdy. of the Tp., described in Book "H," N. 0° 1' W., bet. secs. 34 and 35. Over mountainous land, thru. dense timber and scattering undergrowth, along E. or left wall of Diamond Creek Canyon.

- 4.08 Descend 24 ft., over NW. slope.
- 7.70 Ascend 51 ft., over W. slope.
- 9.45 Descend 27 ft., over W. slope.
- 13.10 Ascend 34 ft., over SW. slope. Point of spur, slopes W.
- 28.14 Descend 195 ft., over NW. and W. slopes.
- 31.19 Ascend 37 ft., over W. slope.
- 40.00 Descend 112 ft., over NW. slope, to Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap,

Part of Subdivision Lines of Township 28 North, Range 9 West. 13

Chains.

$\frac{1}{4}$   
S34|S35  
1920

from which,  
 A pine, 8 ins. in diam., brs. N. 27 $\frac{1}{2}$ ° W., 9 lks. dist., marked  $\frac{1}{4}$  S 34 BT.  
 A pine, 12 ins. in diam., brs. S. 77 $\frac{1}{2}$ ° E., 26 lks. dist., marked  $\frac{1}{4}$  S 35 BT.  
 Descend 50 ft., over NW. slope, to  
 43.50 Bottom of Diamond Creek Canyon, 35 lks. wide, course SW.  
 Ascend 40 ft., over E. slope, to  
 51.25 Gulch, 15 lks. wide, course SE.  
 Ascend 32 ft., over SE. slope, to  
 58.00 Gulch, 20 lks. wide, course SE.  
 Ascend 150 ft., over S. slope.  
 69.20 Point of spur, slopes S. 25° E.  
 Descend slightly over NE. slope.  
 72.79 Ascend 30 ft., over E. slope, to  
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in the ground to bed rock, and raise a mound of stone around post, for cor. of secs. 26, 27, 34 and 35, marked on brass cap,

T28N|R9 W  
S27|S26  
S34|S35  
1920

from which,  
 A pine, 10 ins. in diam., brs. N. 70 $\frac{3}{4}$ ° E., 94 lks. dist., marked T28N R9W S26 BT.  
 A pine, 12 ins. in diam., brs. S. 66° E., 147 lks. dist., marked T28N R9W S35 BT.  
 A pine, 12 ins. in diam., brs. S. 16° W., 120 lks. dist., marked T28N R9W S34 BT.  
 A pine, 6 ins. in diam., brs. N. 55° W., 60 lks. dist., marked T28N R9W S27 BT.

Land, mountainous.  
 Soil, rocky, 4th rate.  
 Timber, dense juniper and pine.  
 Undergrowth, scattering sagebrush and prickly ash.  
 No grass.

N. 89° 59' E., on a random line, bet. secs. 26 and 35.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.38 Fall 3 lks. N. of the cor. of secs. 25, 26, 35 and 36.  
 Thence,  
 West, on a true line, bet. secs. 26 and 35.  
 Over mountainous land, thru. dense timber and scattering undergrowth.  
 Ascend 23 ft. over E. slope.  
 5.00 Ascend 32 ft. over N. slope.  
 14.98 Descend slightly over NW. slope, to  
 17.88 East, or left rim of Diamond Creek Canyon, bearing NE. and SW. Thence over cliffs, facing NW.  
 Descend 328 ft., to  
 40.19 Set an iron post 3 ft. long, 1 in. in diam., 12 ins. in the ground to bed rock, and raise a mound of stone around post, for  $\frac{1}{4}$  sec. cor., marked on brass cap,

$\frac{1}{4}$  S 26  
S 35  
1920

from which,  
 A red sandstone boulder, 5x2x2 ft. above ground, brs. S. 50° W., 26 lks. dist., marked XBOS35.

DOK 3537

Part of  
 14 Subdivision lines of Township 28 North, Range 9 West.

Chains.

A sandstone rim-rock, 15x10x10 ft. high, brs. N. 55° E., 27 lks. dist., marked X B0 S26.  
 Descend 126 ft., over steep NW. slope.  
 46.55 Gulch, 10 lks. wide, course N. 10° W.  
 Ascend 110 ft., over NE. slope.  
 53.45 Spur, slopes N. 10° W.  
 Descend 406 ft., over W. slope.  
 70.95 Bottom of Diamond Creek Canyon, 30 lks. wide, course S. 10° W.  
 Ascend 194 ft. over E. slope, to  
 80.38 The cor. of secs. 26, 27, 34 and 35.  
 Land, mountainous.  
 Soil, rocky, 4th rate.  
 Timber, dense juniper and pine.  
 Undergrowth, scattering scrub oak, chemisal, rabbit brush, prickly ash and sagebrush.  
 No grass.

N. 0° 1' W., bet. secs. 26 and 27.  
 Over mountainous land, thru. dense timber and undergrowth, along west or right wall of Diamond Creek Canyon.  
 Descend 12 ft., over E. slope.  
 9.30 Ascend 38 ft., over SE. slope.  
 13.36 Descend 73 ft., over NE. slope.  
 17.80 Gulch, 20 lks. wide, course SE.  
 Ascend 154 ft., over S. slope, to  
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to bed rock, and raise mound of stone around post for 1/4 sec. cor., marked on brass cap,

S27 | S26  
 |  
 1920

from which,  
 A pine, 10 ins. in diam., brs. S. 88 1/2° E., 112 lks. dist., marked 1/4 S 26 BT.  
 A pine, 14 ins. in diam., brs. S. 29 1/2° W., 84 lks. dist., marked 1/4 S 27 BT.  
 Ascend 270 ft., over S. slope.  
 67.20 Spur, slopes E.  
 Descend 50 ft., over N. slope.  
 73.46 Gulch, 20 lks. wide, course E.  
 Ascend 49 ft., over S. slope, to  
 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 6 ins. in the ground to bed rock, and raise a mound of stone around post, for cor. of secs. 22, 23, 26 and 27, marked on brass cap,

T28N | R9 W  
 S22 | S23  
 S27 | S26  
 1920

from which,  
 A pine, 8 ins. in diam., brs. N. 40° E., 72 lks. dist., marked T28N R9W S23 BT.  
 A pine, 10 ins. in diam., brs. S. 45° E., 47 lks. dist., marked T28N R9W S26 BT.  
 A pine, 10 ins. in diam., brs. S. 45° W., 140 lks. dist., marked T28N R9W S27 BT.  
 A pine, 12 ins. in diam., brs. N. 12° W., 120 lks. dist., marked T28N R9W S22 BT.

Land, mountainous.  
 Soil, rocky, 4th rate.  
 Timber, dense juniper and pine.  
 Undergrowth, dense sagebrush, chemisal, prickly ash and cactus.  
 No grass.



Part of  
Subdivision lines of Township 28 North, Range 8 West. 15

Chains.

40.00 East, on a random line, bet. secs. 23 and 26.  
Set temp.  $\frac{1}{4}$  sec. cor.  
80.12 Intersect the cor. of secs. 23, 24, 25 and 26.  
Thence,  
West, on true line, bet. secs. 23 and 26.  
Over mountainous land, thru. dense timber and undergrowth.  
Descend 62 ft., over W. slope, to  
2.32 Gulch, 10 lks. wide, course SW.  
Descend 347 ft. over SW. slope.  
11.72 Short barb wire fence, brs. N. and S.  
20.75 Same gulch, course NW.  
Descend 177 ft., over NW. slope, to  
31.70 Same gulch, course SW.  
Descend 92 ft., over SW. slope, to  
40.06 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in  
the ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap,

$\frac{1}{4}$  S 23  
S 26  
1920

from which,  
A pine, 10 ins. in diam., brs. N. 3° E., 66 lks.  
dist., marked  $\frac{1}{4}$  S 23 BT.  
A pine, 8 ins. in diam., brs. S. 27° W., 30 lks.  
dist., marked  $\frac{1}{4}$  S 26 BT.

Descend 70 ft., over SW. slope.  
43.45 Bottom of Diamond Creek Canyon, 40 lks. wide, course S.  
Ascend 487 ft., over E. and SE. slopes.  
77.70 Descend 12 ft., over S. slope, to  
80.12 The cor. of secs. 22, 23, 26 and 27.  
Land, mountainous.  
Soil, rocky, 4th rate.  
Timber, dense juniper and pine.  
Undergrowth, dense sage brush and prickly ash.  
No grass.

N. 0° 1' W., bet. secs. 22 and 23.  
Over mountainous land, thru. dense timber and undergrowth,  
along west or right wall of Diamond Creek Canyon.

Ascend 95 ft., over S. slope.  
8.00 Spur, slopes E.  
Descend 28 ft., over N. and NE. slopes.  
15.72 Ascend 50 ft., over SE. slope.  
22.46 Descend 60 ft., over NE. slope.  
29.03 Ascend 65 ft., over SE. slope.  
37.56 Descend 20 ft., over NE. slope, to  
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in  
the ground to bed rock, and raise a mound of stone  
around post, for  $\frac{1}{4}$  sec. cor., marked on brass cap,

$\frac{1}{4}$   
S 22 | S 23  
1920

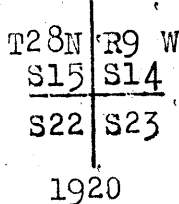
from which,  
A pine, 10 ins. in diam., brs. S. 84° E., 52 lks.  
dist., marked  $\frac{1}{4}$  S 23 BT.  
A juniper, 8 ins. in diam., brs. N. 65° W., 16 lks.  
dist., marked  $\frac{1}{4}$  S 22 BT.

Ascend 69 ft., over SE. slope.  
43.45 Descend 38 ft., over NE. slope.  
48.21 Ascend 85 ft., over SE. slope.  
56.58 Descend 167 ft., over NE. slope.  
66.75 Gulch, 30 lks. wide, course SE.  
Ascend 112 ft., over SE. slope.  
70.00 Leave timber.  
77.92 Descend slightly over E. slope, to

Part of  
16 Subdivision lines of Township 28 North, Range 9 West.

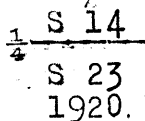
Chains.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in the ground to bedrock, deposit a stone, marked with a cross (x) at base of post, and raise a mound of stone around post, for cor. of secs. 14, 15, 22 and 23, marked on brass cap,



Land, mountainous.  
Soil, rocky, 4th rate.  
Timber, dense juniper and pine in S. 70 chs.; no timber in N. 10 chs.  
Undergrowth, dense sagebrush and prickly ash.  
No grass.

40.00 East, on a random line, bet. secs. 14 and 23  
Set temp.  $\frac{1}{4}$  sec. cor.  
80.12 Intersect the cor. of secs. 13, 14, 23 and 24.  
Thence;  
West, on a true line, bet. secs. 14 and 23.  
Over mountainous land, thru. dense timber and undergrowth.  
Descend 538 ft., over steep W. slope.  
28.40 Bottom of Diamond Creek Canyon, 30 lks. wide, course S.  
Ascend 91 ft., over NE. slope.  
38.76 Descend 24 ft., over N. slope, to  
40.06 Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in the ground to bed rock, and raise a mound of stone around post, for  $\frac{1}{4}$  sec. cor., marked on brass cap,



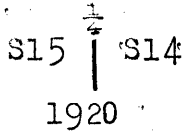
from which,  
A pine, 8 ins. in diam., brs. N. 44° W., 54 lks. dist., marked  $\frac{1}{4}$  S 14 BT.  
A pine, 5 ins. in diam., brs. S. 5° W., 22 lks. dist., marked  $\frac{1}{4}$  S 23 BT.

Ascend 55 ft., over NE. slope.  
46.30 Spur, slopes SE.  
Descend 22 ft., over SW. slope.  
50.20 Ascend 190 ft., over S. slope, to  
68.95 Gulch, 40 lks. wide, course SE. Leave timber, brs. NE. and SW.  
Ascend 1192 ft., over E. slope, to  
80.12 The cor. of secs. 14, 15, 22 and 23.  
Land, mountainous.  
Soil, rocky, 4th rate.  
Timber, dense juniper and pine in E. 69 chs.  
No timber in W. 11 chs.  
Undergrowth, dense sagebrush and prickly ash.  
No grass.

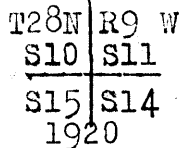
N. 0° 1' W., bet. secs. 14 and 15.  
Over mountainous land, thru. dense undergrowth.  
Descend 97 ft., over NE. slope.  
5.85 Gulch, 30 lks. wide, course SE.  
Ascend 498 ft., over steep broken S. slope.  
20.70 Spur, slopes SE. from N. 10° W. Enter dense timber.  
Ascend 254 ft., over E. slope of spur.  
35.00 Leave timber.  
37.67 Ascend 15 ft., over SE. slope, to

Part of Subdivision lines of Township 28 North, Range 9 West, 17

Chains.  
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for  $\frac{1}{4}$  sec. cor., marked on brass cap,

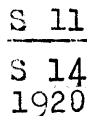


Ascend 27 ft., over S. slope.  
 41.75 Spur, slopes E.  
 Descend 80 ft., over N. slope.  
 45.87 Gulch, 20 lks. wide, course E.  
 Ascend 200 ft., over S. slope.  
 57.90 Spur, slopes E.  
 Descend 10 ft., over N. slope.  
 59.65 Descend 52 ft., over NE. slope.  
 69.56 Ascend 25 ft., over E. slope.  
 70.95 Descend 46 ft., over E. slope.  
 75.91 Ascend 12 ft., over E. slope, to  
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 10 ins. in the ground to bedrock, and raise a mound of stone around post, for cor. of secs. 10, 11, 14 and 15, marked on brass cap,



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of post, 3 ft. dist.  
 Land, mountainous.  
 Soil, rocky, 4th rate.  
 Timber, dense juniper and pine between 20.70 and 35.00 ch. station. No timber elsewhere.  
 Undergrowth, dense scrub mesquite, sagebrush and cactus.  
 No grass.

-----  
 East, on a random line, bet. secs. 11 and 14.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.10 Fall 18 lks. S. of the cor. of secs. 11, 12, 13 and 14, Thence, S. 89° 52' W., on a true line, bet. secs. 11 and 14. Over mountainous land, thru dense timber and undergrowth  
 Ascend 70 ft., over E. slope.  
 2.80 Spur, slopes SE.  
 Descend 92 ft., over SW. slope.  
 5.35 Gulch, 40 lks. wide, course SE.  
 Ascend 560 ft., along top of spur, sloping E.  
 40.05 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap,



from which,  
 A pine, 14 ins. in diam., brs. S. 60° W., 12 lks. dist., marked  $\frac{1}{4}$  S 14 BT.  
 A juniper, 18 ins. in diam., brs. N. 60° E., 37 lks. dist., marked  $\frac{1}{4}$  S 11 BT.

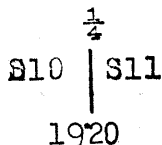
Ascend slightly along top of spur, sloping E.  
 42.45 Leave top of spur, sloping E. from N. 80° W.  
 47.05 Descend 50 ft., over S. slope.  
 Head of gulch, 10 lks. wide, course SE. Continue along S. slope, near top of same spur, sloping E.  
 Ascend 327 ft., to

18 Part of Subdivision lines of Township 28 North, Range 9 West.

Chains.

64.05 Top of same spur, slopes N. 80° E. from S.  
 Descend 51 ft., over NW. slope.  
 71.25 Gulch, 25 lks. wide, course NE. near head. Leave timber, brs.  
 NW. and SE.  
 80.10 Ascend 200 ft., over E. slope, to  
 The cor. of secs. 10, 11, 14 and 15.  
 Land, mountainous.  
 Soil, rocky, 4th rate.  
 Timber, dense juniper and pine in E. 71 chs.; no timber  
 in W. 9 chs.  
 Undergrowth, dense sagebrush, chemisal and cactus.  
 No grass.

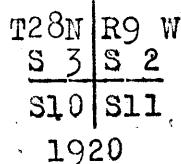
N. 0° 1' W., bet. secs. 10 and 11.  
 Over mountainous land, thru. dense undergrowth.  
 Descend 233 ft., over E. slope.  
 14.00 Descend 210 ft. over NE. slope.  
 20.30 Gulch, 12 lks. wide, course NE. Enter dense timber.  
 Ascend 253 ft., over SE. slope.  
 30.82 Point of spur, slopes E.  
 Descend 116 ft., over NE. slope.  
 37.70 Gulch, 10 lks. wide, course SE.  
 Ascend 16 ft., over SW. slope, to  
 40.00 Spur, slopes SE.  
 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in  
 the ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap,



from which,

- A pine, 6 ins. in diam., brs. S. 52° E., 38 lks.  
 dist., marked  $\frac{1}{4}$  S 11 BT.
- A pine, 10 ins. in diam., brs. N. 58 $\frac{1}{2}$ ° W., 47 lks.  
 dist., marked  $\frac{1}{4}$  S 10 BT.

42.45 Descend 40 ft., over NE. slope, to  
 Gulch, 10 lks. wide, course SE.  
 48.20 Descend 50 ft., over SE. slope, to  
 Gulch, 10 lks. wide, course SE.  
 69.75 Ascend 326 ft., over SW. slope, to  
 SW. edge of top of spur, sloping SE. Thence across nearly  
 level top of spur, ascending slightly to  
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins.  
 in the ground, for cor. of secs. 2, 3, 10 and 11, marked  
 on brass cap,



from which,

- A pine, 3 ins. in diam., brs. N. 73° E., 363 lks.  
 dist., marked S2 BT.
- A pine, 4 ins. in diam., brs. S. 8° E., 290 lks.  
 dist., marked S 11 BT.
- A pine, 3 ins. in diam., brs. S. 85° W., 128 lks.  
 dist., marked S 10 BT.
- A pine, 3 ins. in diam., brs. N. 70° W., 210 lks.  
 dist., marked S 3 BT.

No trees of larger diameter within limits.  
 Land, mountainous.  
 Soil, rocky, 4th rate.  
 Timber, dense juniper and pine in N. 60 chs. No timber  
 in S. 20 chs.  
 Undergrowth, dense chemisal, scrub oak and cactus.  
 No grass.

Part of Subdivision lines of Township 28 North Range 9 West 19

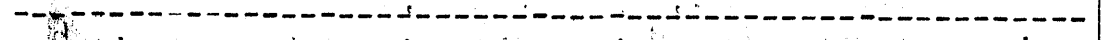
Chains.

40.00 N. 89°52'E., on a random line, bet. secs.2 and 11.  
 Set temp.  $\frac{1}{4}$  sec.cor..  
 80.14 Fall 5 lks.S. of the cor. of secs. 1,2,11 and 12.  
 Thence,  
 S.89°50'W., on a true line, bet. secs.2 and 11  
 Over mountainous land, thru scattering timber and dense  
 undergrowth.  
 Descend 148 ft., over NW.slope.  
 4.80 Gulch,10 lks.wide, course N. near head.  
 Ascend 215 ft., over NE.slope.  
 11.90 Spur, slopes SE.  
 Descend 280 ft., over SW.slope.  
 32.08 Gulch,10 lks.wide, course SE. Leave scattering and enter  
 dense timber.  
 Ascend 134 ft., over E.slope, to  
 40.07 Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in  
 the ground, for  $\frac{1}{4}$  sec.cor., marked on brass cap,

$\frac{1}{4}$  S 2  
 S 11  
 1920

from which,  
 A pine, 6 ins. in diam., brs.S.32°W., 64 lks.  
 dist., marked  $\frac{1}{4}$  S 11 BT.  
 A pine, 6 ins. in diam., brs.N.28°W., 150 lks.  
 dist., marked  $\frac{1}{4}$  S 2 BT.

Ascend 70 ft. over E.slope.  
 54.38 Spur, slopes SE.  
 Descend 189 ft., over SW. slope.  
 66.13 Gulch, 10 lks.wide, course SE.  
 Ascend 60 ft., over NE.slope, to  
 77.90 NE.edge of top of spur, brs. NW. and SE. Thence over  
 nearly level top of spur, sloping SE.  
 80.14 The cor.of secs.2,3,10 and 11.  
 Land, mountainous.  
 Soil, rocky, 4th rate.  
 Timber, juniper and pine, scattering in E.33 chs.; dense  
 in W. 48 chs.  
 Undergrowth, dense sage brush and cactus.  
 No grass.



N.0°1'W., on a true line, bet. secs.2 and 3.  
 Over mountainous land, thru. dense timber and undergrowth  
 on top of spur, sloping SE.  
 Ascend 27 ft. to  
 4.78 NE.edge of top of spur, brs.NW. and SE. Leave top of  
 spur.  
 Descend 81 ft. over NE.slope.  
 10.94 Gulch,10 lks.wide, course SE.  
 Ascend 127 ft., over SW.slope.  
 27.00 SW.edge of top of spur, brs.NW. and SE. Thence across  
 nearly level top of spur, sloping SE.  
 40.00 NE. edge of top of spur, brs.NW and SE. Set an iron post  
 3 ft.long, 1 in. in diam., 26 ins. in the ground, for  
 $\frac{1}{4}$  sec.cor., marked on brass cap,

$\frac{1}{4}$   
 S 3 S 2  
 1920

from which,  
 A pine, 6 ins. in diam., brs.S.69°E., 11 lks.  
 dist., marked  $\frac{1}{4}$  S 2 BT.  
 A pine, 6 ins. in diam., brs.N.75°W., 18 lks.  
 dist., marked  $\frac{1}{4}$  S 3 BT.  
 Leave nearly level top of spur.  
 Descend 66 ft. over NE.slope.

## Part of

20 Subdivision lines of Township 28 North, Range 9 West

Chains.

- 44.70 Ascend 30 ft., over E. slope.  
 48.12 Descend 36 ft., over NE. slope.  
 53.89 Gulch, 50 lks. wide, course SE.  
 Ascend 228 ft., over SE. and E. slopes, to  
 66.29 Intersect the North bdy. of Tp. (7th. Std. Parallel North) at  
 a point 11.26 chs. W. of the standard  $\frac{1}{4}$  sec. cor. of  
 sec. 35, T. 29 N., R. 9 W., established under current Group  
 No. 106, which is an iron post 1 in. in diam., projecting  
 26 ins. above ground, firmly set in ground and mound  
 of stone, and properly marked on brass cap, No access-  
 ories.  
 At point of intersection, set an iron post 3 ft. long, 2  
 ins. in diam., 24 ins. in the ground, for closing cor.  
 of secs. 2 and 3, marked on brass cap,

T29N R9W  
 S 35  
 S3 | S2  
 T28N R9 W  
 C | C  
 1920

from which,

- A pine, 8 ins. in diam., brs. S. 74° E., 46 lks.  
 dist., marked T28N R9W S2 CC BT.  
 A pine, 3 ins. in diam., brs. S. 15° W., 96 lks.  
 dist., marked BT.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, dense juniper and pine.

Undergrowth, dense sagebrush, and scrub oak and chemical.

No grass.

- From the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the  
 Tp., described in Book "H,"  
 N. 0° 2' W., bet. secs. 33 and 34.  
 Over mountainous land, thru. dense timber and scattering  
 undergrowth, along nearly level bench, bearing N. and  
 S.  
 Ascend 56 ft., over SE. slope, to  
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in  
 the ground to bed rock, and raise a mound of stone  
 around post, for  $\frac{1}{4}$  sec. cor., marked on brass cap,

$\frac{1}{4}$   
 S33 | S34  
 1920

from which,

- A boulder, 20x10x15 ft. above ground, brs. N. 66° E.,  
 456 lks. dist., marked X30 S34.  
 A juniper, 8 ins. in diam., brs. N. 34 $\frac{3}{4}$ ° W., 75 lks.  
 dist., marked  $\frac{1}{4}$  S 33 BT.

Continue along nearly level bench, bearing N. and S.

- Ascend 37 ft., over E. slope.  
 50.10 Descend 15 ft., over NE. slope.  
 59.80 West, or right rim of Diamond Creek Canyon, brs. NW. and  
 SE. Leave bench.  
 Descend 180 ft., over NE. slope.  
 65.05 Gulch, 40 lks. wide, course SE.  
 Ascend 267 ft., over SW. slope.  
 78.63 Spur, slopes SE.  
 Descend slightly over E. slope, to  
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 14 ins. in  
 the ground to bed rock, and raise a mound of stone  
 around post, for cor. of secs. 27, 28, 33 and 34, marked  
 on brass cap,

Chains.

T28N	R9 W
S28	S27
S33	S34
1920	

from which,

A pine, 10 ins. in diam., brs. N. 70° E., 76 lks.  
dist., marked T28N R9W S27 BT.

A pine, 8 ins. in diam., brs. S. 28¼° E., 65 lks.  
dist., marked T28N R9W S34 BT.

A pine, 10 ins. in diam., brs. S. 18½° W., 61 lks.  
dist., marked T28N R9W S33 BT.

A pine, 12 ins. in diam., brs. N. 36½° W., 90 lks.  
dist., marked T28N R9W S28 BT.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, dense juniper and pine.

Undergrowth, scattering prickly ash, scrub mesquite, sagebrush and cactus.

No grass.

40.00 N. 89° 59' E., on a random line, bet. secs. 27 and 34.  
Set temp. ¼ sec. cor.  
80.04 Fall 18 lks. S. of the cor. of secs. 26, 27, 34 and 35.  
Thence,  
S. 89° 51' W., on a true line, bet. secs. 27 and 34.  
Over mountainous land, thru. dense timber and scattering undergrowth.  
Ascend 30 ft., over E. slope.  
5.00 Spur, slopes SE.  
Descend 112 ft., over SW. slope.  
16.60 Gulch, 10 lks. wide, course SE.  
Ascend 242 ft., over E. slope, to  
40.02 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to bed rock, and raise a mound of stone around post, for ¼ sec. cor., marked on brass cap,

¼ S 27
S 34
1920

from which,

A pine, 10 ins. in diam., brs. N. 55° W., 28 lks.  
dist., marked ¼ S 27 BT.

A pine, 8 ins. in diam., brs. S. 51° W., 46 lks.  
dist., marked ¼ S 34 BT.

80.04 Ascend 605 ft., over E. slope, to  
The cor. of secs. 27, 28, 33 and 34.  
Land, mountainous.  
Soil, rocky, 4th rate.  
Timber, dense juniper and pine.  
Undergrowth, scattering sagebrush, prickly ash and cactus.  
No grass.

N. 0° 2' W., bet. secs. 27 and 28.  
Over mountainous land, thru. dense timber and scattering undergrowth.  
Descend 106 ft., over NE. slope.  
11.06 Gulch, 30 lks. wide, course E.  
Ascend 124 ft., over S. slope.  
21.20 Spur, slopes SE.  
Descend 95 ft., over NE. slope.  
28.77 Gulch, 35 lks. wide, course SE.  
Ascend 227 ft., over S. slope, to  
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bed rock, and raise a mound of stone

22 Part of Subdivision lines of Township 28 North, Range 9 West.

Chains.

around post, for  $\frac{1}{4}$  sec.cor., marked on brass cap,

$\frac{1}{4}$   
 S28 | S27  
 |  
 1920

from which,

A pine, 10 ins. in diam., brs. S.  $87\frac{1}{2}^\circ$  E., 9 lks.  
 dist., marked  $\frac{1}{4}$  S 27 BT.

A pine, 10 ins. in diam., brs. S.  $51\frac{1}{2}^\circ$  W., 50 lks.  
 dist., marked  $\frac{1}{4}$  S 28 BT.

- Ascend 34 ft., over S. slope.
- 42.43 Spur, slopes SE.
- Descend 89 ft., over NE. slope.
- 48.70 Gulch, 30 lks. wide, course E.
- Ascend 64 ft., over SE. slope.
- 56.80 Descend 15 ft., over NE. slope.
- 57.50 Gulch, 20 lks. wide, course SE. Leave timber.
- Ascend 715 ft., over steep broken S. slope, to
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., on surface  
 rock, and raise a mound of stone around post, for cor.  
 of secs. 21, 22, 27 and 28, marked on brass cap,

T28N	R9 W
S21	S22
S28	S27

  
 1920

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
 W. of post, 3 ft. dist.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, dense juniper and pine in S.  $57\frac{1}{2}$  chs. No timber  
 in N.  $22\frac{1}{2}$  chs.

Undergrowth, scattering sagebrush, chemisal, scrub mes-  
 quite and cactus.

No grass.

- 40.00 N.  $89^\circ 51'$  E. on a random line, bet. secs. 22 and 27.
- Set temp.  $\frac{1}{4}$  sec. cor.
- 80.06 Fall 12 lks. N. of the cor. of secs. 22, 23, 26 and 27.
- Thence,
- S.  $89^\circ 56'$  W., on a true line, bet. secs. 22 and 27.
- Over mountainous land, thru dense timber and scattering  
 undergrowth.
- Ascend 40 ft., over S. slope.
- 3.65 Descend 18 ft. over S. slope.
- 5.06 Gulch, 20 lks. wide, course SE. near head. Leave dense,  
 and enter scattering timber.
- Ascend 185 ft., over SE. slope.
- 18.25 Ascend 431 ft., over E. slope.
- 29.75 Spur, slopes SE.
- Descend 30 ft., over SW. slope.
- 32.15 Thence along S. slope, ascending 184 ft. to
- 40.03 Set an iron post, 3 ft. long, 1 in. in diam., on surface  
 rock, and raise a mound of stone around post, for  $\frac{1}{4}$   
 sec. cor., marked on brass cap,

$\frac{1}{4}$  S 22  
 |  
 S 27  
 1920

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
 N. of post, 3 ft. dist.

- Ascend 18 ft., over S. slope.
- 44.00 Descend 455 ft., over SW. slope.
- 66.50 Gulch, 25 lks. wide, course SE.



Part of subdivision lines of Township 28 North Range 9 West. 23

Chains.

77.50 Ascend 338 ft. over E. slope.  
 Top of cliffs, bearing N. and SW. facing E. and SE. Spur slopes SE. from this point.

80.06 Ascend slightly over steep S. slope, to  
 The cor. of secs. 21, 22, 27 and 28.  
 Land, mountainous.  
 Soil, rocky, 4th rate.  
 Timber, juniper and pine, dense in E. 5 chs.; scattering elsewhere.  
 Undergrowth, scattering sagebrush, prickly ash, chemisal and scrub mesquite.  
 No grass.

N. 0° 2' W., bet. secs. 21 and 22.  
 Over mountainous land, thru. scattering timber and undergrowth.

4.38 Ascend 235 ft. over S. faces of series of cliffs.  
 Top of cliffs, bearing SW. and N. 20° E. facing S. and SE., and forming west or right rim of Diamond Creek Canyon.  
 Thence along E. slope, ascending slightly to

7.08 Leave scattering, and enter dense timber.  
 Descend 60 ft., over NE. slope, to

12.00 West rim of Diamond Creek Canyon, brs. NW. and SE.  
 Descend 253 ft., over NE. slope.

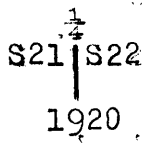
21.30 Gulch, 10 lks. wide, course SE.  
 Ascend 279 ft., over SW. slope, to

30.10 Same canyon rim, brs. NW. and SE.  
 Ascend 17 ft., over SW. slope.

32.00 Spur, slopes SE.  
 Descend 65 ft., over NE. slope.

39.50 Gulch, 20 lks. wide, course SE.  
 Ascend slightly over S. slope, to

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



from which,  
 A pine, 4 ins. in diam., brs. N. 85° E., 55 lks. dist., marked  $\frac{1}{4}$  S 22 BT.  
 A pine, 6 ins. in diam., brs. S. 35° W., 48 lks. dist., marked  $\frac{1}{4}$  S 21 BT.

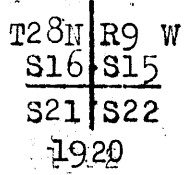
41.00 Ascend 123 ft., over S. slope.  
 Leave timber and scattering undergrowth, and enter dense undergrowth.

53.00 Spur, from west forks here into two spurs, one sloping SE. and the other N. 80° E.  
 Descend 72 ft., over N. slope.

61.00 Gulch, 10 lks. wide, course NE.  
 Ascend 80 ft., over SE. slope.

71.00 Spur, slopes NE.  
 Descend 68 ft., over NW. slope, to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 10 ins. in the ground to bed rock, and raise a mound of stone around post, for cor. of secs. 15, 16, 21 and 22, marked on brass cap,



and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of post, 3 ft. dist.  
 Land, mountainous.

## 24 Part of Subdivision lines of Township 28 North, Range 9 West.

Chains.

Soil, rocky, 4th rate.  
 Timber, juniper and pine, scattering in S. 7 chs.; dense  
 in succeeding 34 chs. No timber in N. 39 chs.  
 Undergrowth, sagebrush, chemisal and scrub mesquite, scat-  
 tering in S. 41 chs.; dense elsewhere.  
 No grass.

40.00 N. 89°56'E., on a random line, bet. secs. 15 and 22.  
 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.08 Fall 12 lks. S. of the cor. of secs. 14, 15, 22 and 23.  
 Thence,  
 S. 89°51'W., on a true line, bet. secs. 15 and 22.  
 Over mountainous land, thru. scattering undergrowth.  
 Ascend 320 ft., over E. slope, to  
 5.65 Point of steep narrow spur, sloping E. West or right  
 rim of Diamond Creek Canyon brs. SW. and NW.  
 Thence along top of spur, ascending 255 ft. to  $\frac{1}{4}$  sec. cor.  
 32.00 Enter dense timber.  
 40.04 Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in  
 the ground, to bed rock, and raise a mound of stone  
 around post, for  $\frac{1}{4}$  sec. cor., marked on brass cap,

$\frac{1}{4}$  S 15  
 S 22  
 1920

from which,

A cedar, 5 ins. in diameter, brs. S. 46°W., 44 lks.  
 dist., marked  $\frac{1}{4}$  S 22 BT.  
 A pine, 14 ins. in diam., brs. N. 47°W., 52 lks.  
 dist., marked  $\frac{1}{4}$  S 15 BT.  
 Ascend 119 ft., along top of spur, sloping E.  
 45.60 Leave top of spur, slopes E. from SW.  
 Descend 108 ft., over NW. slope.  
 59.10 Gulch, 20 lks. wide, course N. 80°E.  
 Ascend 216 ft., over SE. slope.  
 71.10 Spur, slopes NE. Leave timber.  
 Descend 30 ft., over NW. slope, to  
 80.08 The cor. of secs. 15, 16, 21 and 22.  
 Land, mountainous.  
 Soil, rocky, 4th rate.  
 Timber, dense juniper, cedar and pine between 32.00 and  
 71.10 chs. station. No timber elsewhere.  
 Undergrowth, scattering sagebrush, chemisal and scrub mes-  
 quite.  
 No grass.

N. 0°2'W., bet. secs. 15 and 16.  
 Over mountainous land, thru. scattering undergrowth,  
 Descend 78 ft., over NW. slope.  
 3.50 Gulch, 10 lks. wide, course E.  
 Descend 24 ft., over E. slope, to  
 10.45 Gulch, 10 lks. wide, course SE. Enter dense timber.  
 Ascend 173 ft., over S. slope.  
 16.80 Spur, slopes E.  
 Descend 40 ft., over N. slope.  
 29.40 Ascend 17 ft., over S. slope.  
 32.44 Spur, slopes E.  
 Descend 165 ft., over N. slope, to  
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in  
 the ground to bedrock, and raise a mound of stone,  
 around post for  $\frac{1}{4}$  sec. cor., marked on brass cap,

$\frac{1}{4}$   
 S16 | S15  
 1920

Part of Subdivision lines of Township 28 North, Range 9 West. 25.

Chains.

from which,

A pine, 10 ins. in diam., brs. N. 40° W., 30 lks.  
dist., marked  $\frac{1}{4}$  S 16 BT.

A pine, 12 ins. in diam., brs. N. 15° E., 120 lks.  
dist., marked  $\frac{1}{4}$  S 15 BT.

- 41.90 Descend 72 ft., over N. slope.
- Gulch, 10 lks. wide, course SE.
- Ascend 257 ft., over SW. slope.
- 52.43 Spur, slopes SE.
- Descend 35 ft., over NE. slope.
- 58.40 Gulch, 10 lks. wide, course SE.
- Ascend 400 ft., over S. slope.
- 76.63 Spur, slopes SE.
- Descend 80 ft., over NE. slope, to
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 9, 10, 15 and 16, marked on brass cap,

T28N	R9W
S9	S10
S16	S15

1920

from which,

A pine, 8 ins. in diam., brs. N. 44° E., 20 lks.  
dist., marked T28N R9W S10 BT.

A juniper, 8 ins. in diam., brs. S. 41° E., 78 lks.  
dist., marked T28N R9W S15 BT.

A juniper, 8 ins. in diam., brs. S. 81° W., 36 lks.  
dist., marked T28N R9W S16 BT.

A pine, 8 ins. in diam., brs. N. 23° W., 56 lks.  
dist., marked T28N R9W S9 BT.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, dense juniper and pine in N. 69 $\frac{1}{2}$  chs. No timber in S. 10 $\frac{1}{2}$  chs.

Undergrowth, scattering sagebrush, scrub mesquite, and cactus.

No grass.

- 40.00 N. 89° 51' E., on a random line, bet. secs. 10 and 15.
- Set temp.  $\frac{1}{4}$  sec. cor.
- 80.14 Fall 33 lks. N. of the cor. of secs. 10, 11, 14 and 15.
- Thence,
- N. 89° 55' W., on a true line, bet. secs. 10 and 15.
- Over mountainous land, thru. dense undergrowth.
- Ascend 50 ft., over E. slope.
- 4.43 Spur, slopes N.
- Descend 241 ft., over W. slope.
- 12.07 Gulch, 30 lks. wide, course NE. Enter dense timber.
- Ascend 160 ft., over E. slope.
- 18.50 Spur, slopes NE.
- Descend 54 ft., over NW. slope.
- 21.98 Gulch, 20 lks. wide, course N.
- Ascend 251 ft., over NE. slope, to
- 40.07 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap,

$\frac{1}{4}$ S 10
S 15

1920

from which,

A pine, 10 ins. in diam., brs. N. 43° W., 46 lks.  
dist., marked  $\frac{1}{4}$  S 10 B T.

A pine, 8 ins. in diam., brs. S. 25° W., 63 lks.  
dist., marked  $\frac{1}{4}$  S 15 BT.

Descend 35 ft., over N. slope, to

26 Part of Subdivision lines of Township 28 North, Range 9 West.

Chains.

47.00 Gulch, 20 lks. wide, course NE.  
Ascend 111 ft., over SE. slope.  
57.40 Descend 40 ft., over SW. slope.  
62.20 Same gulch, course SE.  
Ascend 418 ft., over NE. slope, to  
80.14 The cor. of secs. 9, 10, 15 and 16.  
Land, mountainous.  
Soil, rocky, 4th rate.  
Timber, dense juniper and pine in W. 68 chs. No timber  
in E. 12 chs.  
Undergrowth, dense sagebrush, scrub mesquite, cholla and  
cactus.  
No grass.

N. 0° 2' W., bet. secs. 9 and 10.  
Over mountainous land, thru. dense timber and undergrowth.  
10.60 Descend 236 ft., over NE. slope.  
Gulch, 20 lks. wide, course S. 80° E.  
24.00 Ascend 263 ft., over S. slope.  
Ridge, brs. E. and W.  
31.00 Descend 190 ft., over N. slope, to  
Head of gulch, course NE.  
34.60 Descend 54 ft., over NE. slope, to  
Gulch, 10 lks. wide, course N. 80° E.  
40.00 Ascend 180 ft., over S. slope, to  
Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in  
the ground to bed rock, and raise a mound of stone  
around post, for  $\frac{1}{4}$  sec. cor., marked on brass cap,

$\frac{1}{4}$   
 S 9 | S 10  
 1920

from which,

- A pine, 6 ins. in diam., brs. N. 2 $\frac{1}{2}$ ° E., 49 lks.  
dist., marked  $\frac{1}{4}$  S 10 BT.
- A pine, 8 ins. in diam., brs. S. 65 $\frac{1}{2}$ ° W., 52 lks.  
dist., marked  $\frac{1}{4}$  S 9 BT.

42.70 Ascend 56 ft., over S. slope.  
Spur, slopes E.  
48.55 Descend 164 ft., over N. slope.  
Gulch, 10 lks. wide, course E.  
53.80 Ascend 112 ft., over S. slope.  
Spur, slopes E.  
58.33 Descend 126 ft., over N. slope.  
Gulch, 20 lks. wide, course S. 80° E.  
70.00 Ascend 236 ft., over SE. slope, to  
Head of gulch, course SE. Leave timber.  
76.70 Ascend 85 ft., over S. slope, to  
Top of precipitous cliffs, bearing NE. and SW., facing  
NW., and forming the east or left upper rim of the  
Colorado River Canyon. Set an iron post, 3 ft. long,  
2 ins. in diam., 4 ins. in the ground to bed rock,  
and raise a mound of stone around post, for witness  
cor. to cor. of secs. 3, 4, 9 and 10, marked on brass  
cap,

T28N R9 W  
 WC  
S 4 S 3  
 S 9 | S 10  
 1920

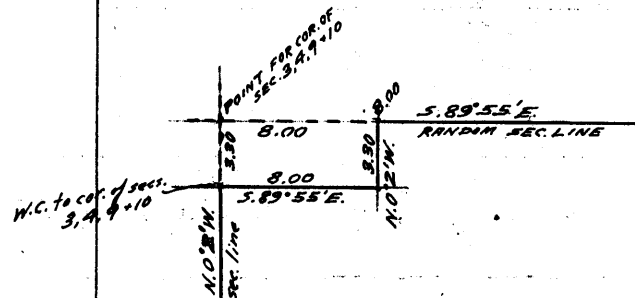
and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high,  
S. of post, 3 ft. dist.  
Impracticable to raise the mound W. of post owing to  
cliff.

Part of Subdivision lines of Township 28 North, Range 9 West. 27

Chains.

80.00 Rim of mesa, brs. S. 80° E. from this W.C.  
 True point for cor. of secs. 3, 4, 9 and 10 falls on face of cliff on the upper left wall of the Colorado River Canyon, and is inaccessible.  
 Land, mountainous.  
 Soil, rocky, 4th rate.  
 Timber, dense juniper and pine in S. 70 chs.  
 No timber in N. 10 chs.  
 Undergrowth, dense chemical, sagebrush, scrub mesquite and cactus.  
 No grass.

From true point for cor. of secs, 3, 4, 9 and 10, S. 89° 55' E., on a random line, bet. secs. 3 and 10. The beginning of this random line falls on face of cliffs on the left upper wall of the Colorado River Canyon, and the sec. cor. point is inaccessible; therefore, survey the impassable portion of the line by means of an offset line as described as follows, and as shown on the diagram hereon:



From the witness cor. to cor. of secs. 3, 4, 9 and 10, which is 3.30 chs. S. 0° 2' E. from the true point for cor. of said secs. S. 89° 55' E., on offset line parallel to the random sec. line, 8.00 chs. to offset point in sec. 10.

Thence, N. 0° 2' W., on offset line, parallel to sec. line, bet. secs. 9 and 10, to offset point on random sec. line at the canyon rim, 8.00 chs. S. 89° 55' E. from the sec. cor. point.

8.00 Offset point.  
 40.00 Continue measurement on random sec. line, S. 89° 55' E.  
 80.10 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.10 Fall 12 lks. S. of the cor. of secs. 2, 3, 10 and 11.  
 Thence, West, on true line, bet. secs. 3 and 10.  
 Over mountainous land, thru. dense timber and undergrowth, across nearly level top of spur, sloping SE.  
 9.60 Foot of SE. slope, brs. NE. and SW. Leave nearly level top of spur, dense timber and undergrowth, and enter scattering timber and undergrowth.  
 Ascend 460 ft., over SE. slope, to  
 36.81 Rim of mesa, brs. NE. and SW. Spur slopes SE. at this point.  
 Thence over gently rolling top of mesa. Leave timber.  
 Ascend 17 ft., over SE. slope, to  
 40.05 Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground, to bed rock, and raise a mound of stone around post, for  $\frac{1}{4}$  sec. cor., marked on grass cap,

S 3  
 S 10  
 1920

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of post, 3 ft. dist.  
 Continue over gently rolling surface of mesa, thru. scattering undergrowth.  
 Ascend 180 ft., over SE. slope, to  
 72.10 Offset point at east or left upper rim of the Colorado River Canyon, bearing NE. and SW. Beyond this point the sec. line passes over the canyon wall.  
 Discontinue chaining. Measurement to sec. cor. point by

28 Part of Subdivision lines of Township 28 North, Range 9 West.

Chains.

80.10 offset line thru. sec. 10 as hereinbefore described. True point for cor. of secs. 3, 4, 9 and 10 falls on face of cliffs on E. or left upper wall of the Colorado River Canyon, and is inaccessible. Witness cor. established at point 3.30 chs. S.  $0^{\circ}2'$  E. as hereinbefore described.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, juniper and pine, dense in E.  $9\frac{1}{2}$  chs.; scattering in succeeding 27 chs.

No timber in W.  $43\frac{1}{2}$  chs.

Undergrowth, chemisal, sagebrush, scrub mesquite and cactus, dense in E.  $9\frac{1}{2}$  chs.; scattering elsewhere.

No grass.

The line bet. secs. 3 and 10 falls on the left upper wall of the Colorado River Canyon, and is unsurveyable. The remaining sec. lines in this township are also unsurveyable owing to the extremely mountainous nature of the surface, which is practically impassable.

FINAL FIELD TESTS OF INSTRUMENTS.

Young and Sons' transit No. 8491, by Quintin Campbell, U. S. Surveyor.

December 12, 1920. I examine the adjustment of the instrument, and correct all errors; then, to test the solar apparatus by comparing its indications from observations made during a.m. and p.m. hours with the meridian established by Polaris observation at camp near the center of the SE.  $\frac{1}{4}$  of sec. 14, T. 28 N., R. 9 W. as hereinbefore described, proceed as follows:

At 9h.00m., a.m., l.m.t., set off  $35^{\circ}49'$  N. on the lat. arc;  $23^{\circ}03\frac{1}{2}'$  S. on the decl. arc, and determine a meridian with the solar, which agrees with the true meridian.

At app. noon, with the lat. arc unchanged, observe the sun on the meridian; the resulting reading of the decl. arc is  $23^{\circ}05'$  S., which agrees with the computed decl. of the sun.

At 3h.00m. p.m., l.m.t., with the lat. arc unchanged, set off  $23^{\circ}04\frac{1}{2}'$  S. on the decl. arc & determine a meridian with the solar which agrees with the true meridian.

As all of the solar observations made during the usual hours of solar work come within  $1'30''$  of the true meridian, I conclude that the adjustment of the instrument is satisfactory.

Young and Sons' transit No. 8477 by Francis R. Ihrie, U.S. Transitman.

December 18, 1920. I examine the adjustment of the instrument, and correct all errors; then to test the solar apparatus by comparing its indications, from observations made during a.m. and p.m. hours with the meridian established by Polaris observation at camp near the center of the SE.  $\frac{1}{4}$  of sec. 14, T. 28 N., R. 9 W., as hereinbefore described, proceed as follows:

At 9h.00m. a.m., l.m.t., set off  $35^{\circ}49'$  N. on the lat. arc;  $23^{\circ}21\frac{1}{2}'$  S. on the decl. arc, and determine a meridian with the solar, which agrees with the true meridian.

Part of Subdivision lines of Township 28 North, Range 9 West. 29.

Chains.

At app. noon, with the lat. arc unchanged, observe the sun on the meridian; the resulting reading of the decl. arc is  $23^{\circ}22\frac{1}{2}'S.$ , which agrees with the computed decl. of the sun.  
 At 3h.00m. p.m., l.m.t., with the lat. arc unchanged, set off  $23^{\circ}22'S.$  on the decl. arc, and determine a meridian with the solar, which agrees with the true meridian.  
 As all of the solar observations made during the usual hours of solar work come within  $1' 30''$  of the true meridian, conclude that the adjustment of the instrument is satisfactory.

Boundaries of that portion of Township 28 North, Range 9 West, surveyed under Group No. 107.

Latitudes, Departures, and Closing Errors.

Line designated.	True course.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
South boundary,	S. $89^{\circ}59'W.$	240.00		.07		240.00
Subdivisional boundary,	N. $0^{\circ}2'W.$	400.00	400.00			.23
	East,	80.10			80.10	
	N. $0^{\circ}1'W.$	66.29	66.29			.02
North boundary, (7th. Std. Par. N.)	East,	160.36			160.36	
East boundary,	South,	466.40		466.40		
Convergency,					.24	
Totals,			466.29	466.47	240.70	240.25
				466.29	240.25	
Error in latitude,			0.18			
Error in departure,					0.45	

GENERAL DESCRIPTION.

The portion of this township surveyed as described in the foregoing notes lies entirely within the Hualpai Indian Reservation, and includes all of the surveyable area. The surface is all mountainous, the most of the surveyed portion falling on the walls of Diamond Creek Canyon, which cuts thru. the township from N. to S. The greater part of the unsurveyed portion falls on the walls of the Colorado River Canyon, the left upper rim of which bears N. and S., thru. about the center of the township.

All of the soil is rocky, 4th rate,

The timber consists of juniper and pine, and is dense in all sections.

The undergrowth consists of sagebrush, prickly ash, chemisal, manzanita, scrub oak, quinine brush and cactus, and is dense over the greater part.

There is no grass.

No permanent running water exists in the surveyed portion.

There are no indications of valuable mineral deposits, and no settlers or roads.

The only improvement consists of a short line of fence in secs. 23 and 26.

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CERTIFICATE OF UNITED STATES ~~TRANSITMAN.~~

I, Francis R. Ibric, U. S. Transitman, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Group 107, Arizona, bearing date of the 25th day of February, 1920, 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 Subdivision lines of Township 28 North, Range 9 West,

of the Gila and Salt River Base and Meridian, in the State of Arizona, which are represented in the foregoing field notes and by diagram on page 2 hereof as having been executed by me, and under my direction; and that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General, for Group 107, Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Place - Washington D.C.  
 Date February 2<sup>nd</sup> 1922 Francis R. Ibric  
 U. S. Transitman

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

191

The foregoing field notes of the survey of

executed by

under 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.

34

I, Quintin Campbell, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 107, Arizona, bearing date of the 25th day of February, 1920, 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 28 North, Range 9 West,

of the Gila and Salt River Base and Meridian, in the State of Arizona, which are represented in and by 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 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 107, Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Place Phoenix Ariz.  
Date Mar. 31-1922.

*Quintin Campbell*  
U. S. Surveyor.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, February 13, 1923.

The foregoing field notes of the survey of part of the Subdivision lines of Township 28 North, Range 9 West, of the Gila and Salt River Base and Meridian, in the State of Arizona,

executed by Quintin Campbell, U.S. Surveyor, and Francis R. Ihrie, U.S. Transitman, under his special instructions dated Feb. 25, 1920, for Group 107, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

*Francis R. Ihrie*  
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.*