

FIELD NOTES

OF THE SURVEY OF THE

East half of the North boundary, the South $5\frac{1}{2}$ miles of the West boundary, and of a portion of the Subdivision lines of

TOWNSHIP 31 NORTH, RANGE 8 WEST,

and of $\frac{1}{2}$ mile of the Subdivision lines of

TOWNSHIP 31 NORTH, RANGE 9 WEST,

Of the Gila and Salt River Base and Meridian,

In the State of Arizona

EXECUTED BY

Horace M. Muscott, and Francis R. Ihrle, U. S. Transitmen,

In the capacity of U. S. Surveyors, under Special Instructions dated February 25, 1920, issued by the United States Surveyor General to govern surveys included in Group No. 106, which were approved by the Commissioner of the General Land Office, March 8, 1920, and Assignment Instructions dated June 2, 1920

Survey commenced July 8, 1920

Survey completed August 4, 1920

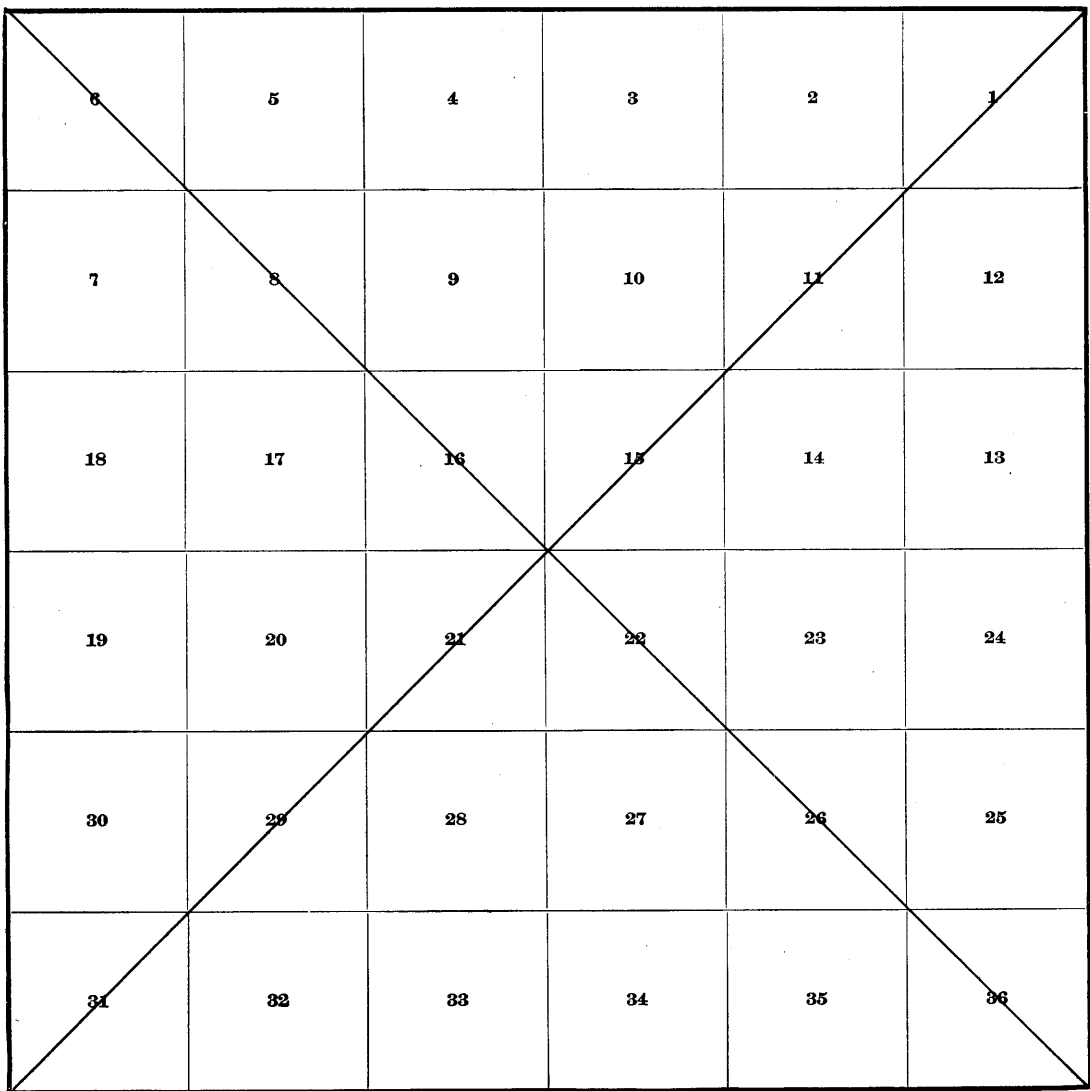
3515

3515

162

~~INDEX DIAGRAM.~~

~~Township~~ ~~Range~~



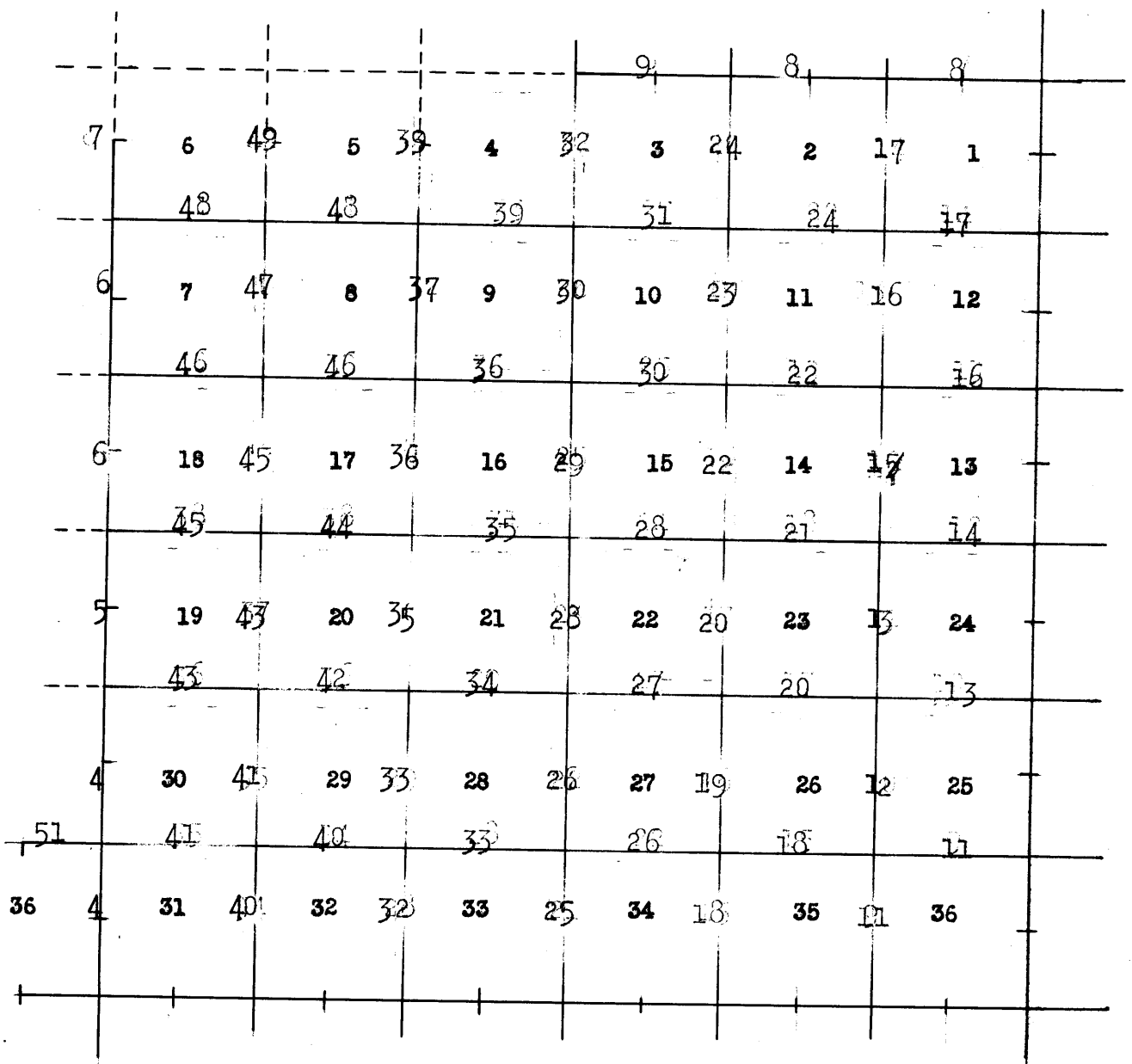
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Book "E"

BOOK 3515

INDEX DIAGRAM

TOWNSHIP 31 NORTH, RANGES 8 and 9 WEST



- Lines surveyed under this Group.
- Lines surveyed under current Group 105.
- Unsurveyed.

BOOK 3515

BOOK "E"

DATE DIAGRAM

TOWNSHIP 31 NORTH, RANGES 8 and 9 WEST

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

Surveyed under current Group 105

See book "D" for date of execution of survey of this line.

See book "C" for dates of execution of survey of this line.

Red lines on above diagram indicate surveys executed by Horace M. Muscott, U. S. Transitman, on dates shown thereon.

Blue lines on above diagram indicate surveys executed by Francis R. Ihrie, U. S. Transitman, on dates shown thereon.

Surveys hereinafter described, executed by Horace M. Muscott and Francis R. Ihrie, U.S. Transitmen, on dates shown on diagram on page 2 hereof, using respectively, Young and Sons Transit No. 8489, and Buff and Buff transit No. 9977. Each instrument is equipped with full vertical circle, and the Smith solar attachment; unless otherwise specified, all azimuth determinations are accomplished with the solar attachment.

July 8, 1920: We examine the adjustment 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:

At the cor. of secs. 5, 6, 31 and 32, on S. bdy. of T. 31 N., R. 8 W., Gila and Salt River Base and Meridian, Arizona, in latitude $36^{\circ}01'30''$ N., and in longitude, $113^{\circ}10'29''$ W., at 7h. 30m. a.m., l.m.t., make an hour angle observation on Polaris west of the meridian, two each with the telescope in direct and reversed positions, and mark the mean point in the lines thus determined on a peg driven firmly in the ground about 5 chs. N.

Lay off the azimuth of Polaris $23'$ to the east, and mark a point in the meridian thus determined by a tack in a peg driven firmly in the ground 5 chs. N.

July 8, 1920: At 8h. 00m., a.m., l.m.t., set off $36^{\circ}1\frac{1}{2}'$ N. on the lat. arc; $22^{\circ}29'$ N. 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 $22^{\circ}27\frac{1}{2}'$ N., which agrees with the computed decl. of the sun.

At 4h. 00m. p.m., l.m.t., with the lat. arc unchanged, set off $22^{\circ}26\frac{1}{2}'$ N. on the decl. arc, and determine a meridian with the solar, which agrees with the true meridian.

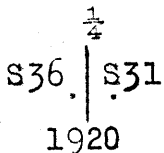
As all of the solar observations made with both instruments during the usual hours of the solar work come within $1'30''$ of the true meridian, we conclude that the adjustments of the instrument are satisfactory.

Unless otherwise specified, all measurements are made with Lufkin steel tapes, 5 chs. in length, compared with Lufkin standard steel tapes, and found correct. The measurements are made on the slope, the vertical angle determined, and the slope measurements properly reduced to the true horizontal distances.

A Survey of part of West bdy. of Township 31 North, Range 8 West.

Chains.

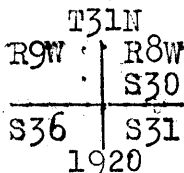
From the cor. of T_{s.} 30 and 31 N., R_{s.} 8 and 9 W., described in Book "C,"
 North, on true line, bet. secs. 31 and 36.
 Over mountainous land, thru. dense timber and undergrowth.
 Descend 125 ft., over N. slope.
 22.30 Bottom of ravine, course E. Asc. 170 ft., over S. slope, to
 40.00 Spur, slopes E. Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in the ground to bed rock, supported in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,



from which,

- A pine, 8 ins. in diam., brs. S:67° E., 4 lks.
 dist., marked $\frac{1}{4}$ S. 31 BT.
- A pine, 6 ins. in diam., brs. N. 69° W., 3 lks.
 dist., marked $\frac{1}{4}$ S 36 BT.

Descend 160 ft., over NE. slope.
 52.00 Bottom of ravine, course SE. Asc. 210 ft., over S. slope, to
 64.00 S. edge of top of spur, brs. E. and W. Leave mountainous, and enter nearly level land on top of spur, sloping E.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 20 ins. in the ground, supported in a mound of stone, for cor. of secs. 30, 31, and 36 only, marked on brass cap,

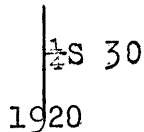


from which,

- A cedar, 12 ins. in diam., brs. N. 58 $\frac{1}{4}$ ° E., 57 lks.
 dist., marked T31N R8W S30 BT.
- A cedar, 24 ins. in diam., brs. S. 33 $\frac{1}{2}$ ° E., 7 lks.
 dist., marked T31N R8W S31 BT.
- A cedar, 6 ins. in diam., brs. S. 48 $\frac{1}{4}$ ° W., 37 lks.
 dist., marked T31N R9W S36 BT.

Land, S. 64 chs. mountainous; N. 16 chs., nearly level.
 Soil, rocky, 4th rate.
 Timber, dense pine and cedar.
 Undergrowth, dense scrub oak, chamisal and sagebrush.
 No grass.

North, on a true line, on W. bdy. of sec. 30.
 Over nearly level land, thru. dense timber and undergrowth, on top of spur, sloping E.
 1.00 N. edge of top of spur, sloping E. Leave nearly level, and enter mountainous land. Descend 52 ft. over N. slope.
 5.00 Bottom of ravine, course E. Asc. 64 ft., over SE. slope.
 8.30 Descend 30 ft., over NE. slope.
 12.00 Gulch, course SE. Asc. 105 ft., over SE. slope, to
 26.20 Rim brs. E. and W. Leave mountainous, and enter nearly level land on bench, bearing N. and S., sloping slightly E.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., of sec. 30 only, marked on brass cap,



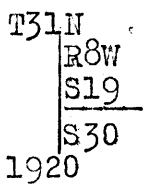
from which,

- A pine, 7 ins. in diam., brs. N. 53 $\frac{1}{4}$ ° E., 22 lks.
 dist., marked $\frac{1}{4}$ S 30 BT.

Chains.

A pine, 7 ins. in diam., brs. S. 26° W., 22 lks. dist., marked $\frac{1}{4}$ S B T.
Continue over nearly level land on bench, bearing N. and S. near the left or E. upper rim of the Colorado River Canyon.

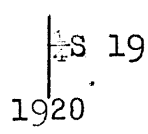
- 65.00 Leave timber, and continue thru. dense undergrowth.
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 19 and 30 only, marked on brass cap,



and raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high, E. of cor.
Land, nearly level and mountainous.
Soil, rocky, 4th rate.
Timber, dense pine and cedar in S. 65 chs. None in N. 15 chs.
Undergrowth, dense chamisal, sagebrush and scrub oak.
No grass.

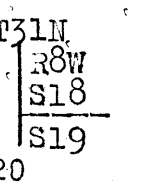
North, on true line on W. bdy. of sec. 19.
Over gently rolling land, thru. dense undergrowth, along E. slope, with slight change in elevation, on bench bearing N. and S. near left or E. upper rim of the Colorado River Canyon.

- 20.00 Enter scattering timber.
- 30.00 Descend 30 ft., over NE. 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. of sec. 19 only, marked on brass cap,



from which,
A cedar, 14 ins. in diam., brs. N. 51° E., 78 lks. dist., marked $\frac{1}{4}$ S 19 BT.
A pine, 6 ins. in diam., brs. S. 57° E., 62 lks. dist., marked $\frac{1}{4}$ S 19 BT.

- 43.10 Gully, course NE. Thence over E. slope, with slight change in elevation.
- 51.80 Gully, course E. Continue over E. slope, descending 50 ft. to
- 68.00 Gully, course E. Leave timber. Asc. 20 ft., over SE. slope, to
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 18 and 19, only, marked on brass cap,



and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, E. of cor.
Land, gently rolling.
Soil, rocky, 4th rate.
Timber, scattering pine and cedar where noted.
Undergrowth, dense chamisal, sagebrush and scrub oak.
No grass.

6 Part of West bdy. of Township 31 North Range 8 West

Chains.

North, on true line, on W. bdy. of sec. 18.
 Over nearly level land, thru scattering undergrowth at N. end of bench, bearing N. and S. Asc. slightly over SE. slope, to

10.00 Left, or E. upper rim of the Colorado River canyon, brs. NE. and SW. Leave nearly level land and bench, and enter mountainous land, over precipitous cliffs, facing NW. on the upper wall of the canyon. Desc. 1130 ft. to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., supported in a mound of stone, for $\frac{1}{4}$ sec. cor., of sec. 18 only, marked on brass cap,

S18

1920

Continue over mountainous land, on the left upper wall of Colorado River Canyon.
 Descend 200 ft.; over steep NW. slope, to

55.00 Foot of left upper wall of Colorado River Canyon, brs. NE. and SW. Leave mountainous, and enter rolling land and scattering timber on broad bench, bearing NE and SW. between the left upper and lower walls of the Colorado River Canyon. Desc. 45 ft., over NW. slope.

70.00 Ascend 35 ft., over SW. slope.

75.00 Descend 40 ft., over NW. slope, to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 7 and 18 only, marked on brass cap,

T31N

R8W

S. 7

S18

1920

from which,

A pine, 14 ins. in diam., brs. N. $76\frac{1}{2}^\circ$ E., 78 lks. dist., marked T31N R8W S7 BT.

A pine, 12 ins. in diam., brs. S. $80\frac{1}{4}^\circ$ E., 86 lks. dist., marked T31N R8W S18 BT.

A pine, 14 ins. in diam., brs. N. $76\frac{1}{2}^\circ$ E., 78 lks. dist., marked T31N R8W S7 BT.

A pine, 12 ins. in diam., brs. S. $80\frac{1}{4}^\circ$ E., 86 lks. dist., marked T31N R8W S18 BT.

Land, nearly level, mountainous and rolling.

Soil, rocky, 4th rate.

Timber, scattering pine and cedar in N. 25 chs. None in S. 65 chs.

Undergrowth, scattering sage brush, scrub oak, chamisal and manzanita.

No grass.

North, on true line, on W. bdy. of sec. 7.
 Over nearly level land, thru scattering timber and undergrowth, on broad bench, bearing NE. and SW. between the left upper and lower walls of the Colorado River canyon. Desc. slightly over NW. slope.

12.00 Gully, course W. Thence over W. slope, descending slightly, 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., of sec. 7 only, marked on brass cap,

S 7

1920

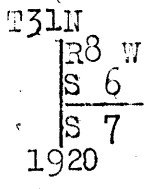
from which,

A pine, 5 ins. in diam., brs. N. $26\frac{1}{2}^\circ$ E., 75 lks. dist., marked $\frac{1}{4}$ S 7 BT.

Part of West bdy. of Township 31 North, Range 8 West. 7.

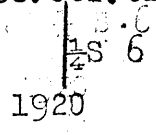
Chains

80.00 A pine, 5 ins. in diam., brs. S. 55° E., 99 lks. dist., marked $\frac{1}{4}$ S 7 BT.
 Continue over nearly level land on bench, bearing NE. and SW. Descend slightly over W. slope, to
 Set an iron post, 3 ft. long, 2 ins. in diam., on surface rock, supported in a mound of stone, for cor. of secs. 6 and 7 only, marked on brass cap,



from which,
 A cedar, 24 ins. in diam., brs. N. 82 $\frac{1}{2}$ ° E., 110 lks. dist., marked T31N R8W S6 BT.
 A cedar, 12 ins. in diam., brs. S. 8° E., 89 lks. dist., marked T31N R8W S7 BT.
 Land, nearly level.
 Soil, gravelly and rocky, 3rd and 4th rate.
 Timber, scattering pine and cedar.
 Undergrowth, scattering sage brush and cactus.
 No grass.

30.00 North, on a true line, on W. bdy. of sec. 6, (S. $\frac{1}{2}$).
 40.00 Over nearly level land, thru. scattering timber and undergrowth, on broad bench, between the left upper and lower walls of the Colorado River Canyon. Descend slightly over NW. slope.
 Gully, course NE. Ascend slightly over SE. slope, to
 Set an iron post, 3 ft. long, 1 in. in diam., over cross (x) marked on surface rock, and raise mound of stone around post, for $\frac{1}{4}$ sec. cor. of sec. 6 only, marked on brass cap,



from which,
 A pine, 6 ins. in diam., brs. S. 50 $\frac{1}{2}$ ° E., 30 lks. dist., marked $\frac{1}{4}$ S 6 BT.
 About 15 chs. N. from this cor., the township bdy. intersects the left lower rim of the Colorado River Canyon, beyond which precipitous descent over the left lower wall of the canyon renders further survey of the line impracticable.
 Land, nearly level.
 Soil, rocky, 4th rate.
 Timber, scattering pine and cedar.
 Undergrowth, scattering sage brush and cactus.
 No grass.

8 Survey of part of the North bdy. of Township 31 North, Range 8 West.

Chains.

From the cor. of T_s. 31 and 32 N., R_s. 7 and 8 W., established under current Group No. 105, which is an iron post 3 ins. in diam., projecting 12 ins. above ground firmly set, properly marked on brass cap, and witnessed by four properly marked bearing trees as follows:

- A pine, N. 58° E., 173 lks. dist.
- A pine, S. 27½° E., 102 lks. dist.
- A pine, S. 26° W., 83 lks. dist.
- A pine, N. 34½° W., 90 lks. dist.

Thence,

West, on a true line, bet. secs. 1 and 36.

Over gently rolling land, thru. dense timber and undergrowth on bench.

Descend slightly over W. slope, to

12.00 Top of sandstone cliffs 150 ft. high, bearing N. and S., facing W. Leave gently rolling land and timber, and enter mountainous land. From foot of cliffs, descend 160 ft., over steep W. slope, to

20.60 E. edge of bottom of Prospect Valley, brs. N. and S. Leave mountainous, and enter nearly level land in bottom of Prospect Valley, bearing NE. and SW.

30.60 Wash, 50 lks. wide, course N.

35.60 W. edge of bottom of Prospect Valley, brs. N. and SW. Leave nearly level bottom of valley, and enter rolling land on W. side of valley. Ascend 20 ft., over E. slope, to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 3 ins. in the ground to bed rock, supported in a mound of stone for ¼ sec. cor., marked on brass cap,

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

$$\text{S } 1$$

$$1920$$

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

Continue over rolling land, thru. dense undergrowth. Ascend 180 ft., over E. slope, to

60.00 Leave rolling, and enter mountainous land. Ascend 455 ft., over E. slope, to

80.00 Mark a cross (x) on rock ledge at exact cor. point, and over same, set an iron post, 3 ft. long, 2 ins. in diam., supported in a mound of stone, for cor. of secs. 1, 2, 35 and 36, marked on brass cap,

T32N	R8 W
S35	S36

$$\text{S } 2 \text{ | } \text{S } 1$$

$$\text{T31N}$$

$$1920$$

Land, rolling, nearly level and mountainous.

Soil, rocky, 4th rate, except in bottom of Prospect Valley, where the soil is gravelly, 3rd rate.

Timber, dense pine and cedar in E. 12 chs. None elsewhere.

Undergrowth, dense sagebrush.

Fair grass in bottom of valley.

West, on a true line, bet. secs. 2 and 35.

Over mountainous land, thru. dense undergrowth.

Ascend 550 ft., over steep E. slope, to

20.00 E. rim of bench, brs. N. and S. Leave mountainous, and enter nearly level land on bench, sloping to the north.

Enter scattering timber.

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

$$\frac{1}{4} \text{ S } 35$$

$$\text{S } 2$$

$$1920$$

Part of the North bdy. of Township 31 North, Range 8 West. 9

Chains.

from which,

A cedar, 6 ins. in diam., brs. S. 25° W., 85 lks.
dist., marked T32S 20 BT.

A cedar, 30 1/2 ins. in diam., brs. N. 42° W., 294 lks.
dist., marked 1/4 S 35 BT.

Continue over nearly level land on bench, sloping slightly to the north.

50.00

Gully, course NE. Ascend very gradually over NE. slope.

80.00

Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in the ground to bed rock, supported in a mound of stone, for cor. of secs. 2, 3, 34 and 35, marked on brass cap,

T32N | R8 W
S34 | S35
S 3 | S 2
T31N

1920

from which,

A cedar, 8 ins. in diam., brs. N. 9° E., 69 lks.
dist., marked T32N R8W S35 BT.

A cedar, 14 ins. in diam., brs. S. 16 1/2° E., 60 lks.
dist., marked T31N R8W S2 BT.

A cedar, 8 ins. in diam., brs. S. 31 1/2° W., 77 lks.
dist., marked T31N R8W S3 BT.

A pine, 6 ins. in diam., brs. N. 28 1/2° W., 66 lks.
dist., marked T32N R8W S34 BT.

Land, E. 20 chs. mountainous; remainder nearly level.

Soil, rocky, 4th rate.

Timber, scattering pine and cedar, in W. 60 chs. None in E. 20 chs.

Undergrowth, dense chamisal and sage brush.

No grass.

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

Over gently rolling land, thru. scattering timber and dense undergrowth on bench, sloping NE.

Ascend 65 ft.

20.00

Descend 75 ft., to

40.00

Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground, for 1/4 sec. cor., marked on brass cap,

1/4 S 34
S 3
1920

from which,

A cedar, 6 ins. in diam., brs. N. 51 1/2° W., 98 lks.
dist., marked 1/4 S 34 BT.

A cedar, 4 ins. in diam., brs. S. 7° W., 190 lks.
dist., marked 1/4 S 3 BT.

Continue over gently rolling land, thru. scattering timber and undergrowth on bench.

Ascend 250 ft. over E. slope, to

80.00

Set at an iron post, 3 ft. long, 2 ins. in diam., 20 ins. in the ground, supported in a mound of stone, for cor. of secs. 3, 4, 33 and 34, marked on brass cap,

T32N | R8 W
S33 | S34
S 4 | S 3
T31N
1920

from which,

A cedar, 10 ins. in diam., brs. N. 52 1/2° E., 123 lks.
dist., marked T32N R8W S34 BT.

10 Part of North bey. of Township 31 North, Range 8 West.

Chains.

A pine, 8 ins. in diam., brs. S. 34° E., 62 lks. dist.,
marked T31N R8W S3 BT.

A pine, 6 ins. diam., brs. S. 62° W., 74 lks. dist.,
marked T31N R8W S4 BT.

A cedar, 7 ins. in diam., brs. N. 45° W., 107 lks. dist.,
marked T32N R8W S33 BT.

Land, gently rolling.

Soil, rocky, 4th rate.

Timber, scattering pine and cedar.

Undergrowth, dense sage brush and chamisal.

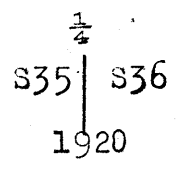
No grass.

At about 16 chs. W. from the cor. of secs. 3, 4, 33 and 34,
the Tp. bdy. intersects the left or East upper rim of
the Colorado River canyon, beyond which steep descent
over cliffs into the canyon, renders survey impracti-
cable.

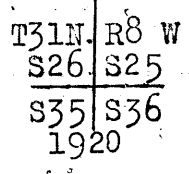
Survey of part of Subdivision lines of T. 31 North Range 8 West. 11

Chains.

From the cor. of secs. 1, 2, 35 and 36 on S. bdy. of Tp., described in Book "C,"
 N. 0° 01' W., bet. secs. 35 and 36.
 Over mountainous land, thru. dense timber and scattering undergrowth.
 Descend 235 ft., over NW. slope.
 8.65 Gulch, course N. 45° E. Asc. 107 ft., over SE. slope.
 18.00 Spur, slopes NE. Desc. 25 ft., over NW. slope, to
 20.90 East, or right rim of Prospect Valley, brs. NE. and SW.
 Leave timber. Desc. 320 ft., over steep NW. slope.
 31.40 Bottom of ravine, 60 lks. wide, course N. 70° W. Asc. 100 ft.
 over SW. slope, to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground; deposit a stone marked with a cross (X) at base of post, and raise a mound of stone around post, for 1/4 sec. cor., marked on brass cap,



80.00 Descend 400 ft., over NW. slope, to
 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 25, 26, 35 and 36, marked on brass cap,



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

Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, scattering pine and cedar in S. 21 chs. None else where.
 Undergrowth, scattering chamisal, manzanita and sagebrush.
 No grass.

40.00 N. 89° 53' E., on a random line, bet. secs. 25 and 36.
 80.00 Set temp. 1/4 sec. cor.
 Fall 7 lks. N. of the cor. of secs. 25, 30, 31 and 36, on E. bdy. of Tp., established under current group No. 105, which is an iron post, 2 ins. in diam., projecting 24 ins. above ground, firmly set in a mound of stone, properly marked on brass cap, and witnessed by four properly marked bearing trees, as follows:

- A pine, N. 50° E., 23 lks. dist.
- A pine, S. 75° E., 37 lks. dist.
- A pine, S. 35° W., 86 lks. dist.
- A cedar, N. 41 1/2° W., 652 lks. dist.

Thence,
 S. 89° 56' W., on a true line, bet. secs. 25 and 36.
 Over mountainous land, thru. dense timber and scattering undergrowth.

12.00 Descend 154 ft., over W. slope.
 Gulch, course NW. Asc. 84 ft., over NE. slope.
 19.00 Spur, slopes NW. from S. Desc. 444 ft., over steep W. slope.
 32.40 Bottom of ravine, course N. 20° W. Asc. 230 ft., over E. slope, to
 40.00 N. end of high ridge, bearing N. and S. Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to bed rock, supported in a mound of stone, for 1/4 sec. cor., marked on brass cap,

12. Part of Subdivision lines of Township 31 North Range 8 West

Chains.

1/4 S 25
S 36
1920

from which,

A pine, 4 ins. in diam., brs. S. 86° W., 4 lks.
dist., marked 1/4 S 36 BT.

A pine, 8 ins. in diam., brs. N. 23° W., 7 lks.
dist., marked 1/4 S 25 BT.

42.50 Descend 192 ft., over W. slope, to
Top of precipitous cliffs, 200 ft. high, bearing N. and S.
facing W., forming E., or right rim of Prospect Val-
ley. Leave timber.

45.50 Base of same cliffs, brs. N. and S. Descend 573 ft., over W.
slope, to

80.00 The cor. of secs. 25, 26, 35 and 36.
Land, mountainous.

Soil, rocky, 4th rate.

Timber, dense pine and cedar in E. 42 1/2 chs.

None elsewhere.

Undergrowth, scattering sage brush, scrub oak, chamisal and
manzanita.

No grass.

N. 0° 01' W., bet. secs. 25 and 26.

Over mountainous land, thru. scattering undergrowth.

6.10 Descend 40 ft., over NW. slope, to

Foot of descent, brs. NE. and SW, Road, same bearing. Thence
across bottom of Prospect Valley.

7.00 Wash, 20 lks. wide, course NE. Leave bottom of Prospect
Valley; ascend 104 ft., over SE. slope.

11.00 Enter dense timber, brs. NE. and SW.

12.20 Spur, slopes E. from NW.

Descend 50 ft., over NE. slope.

16.55 Gulch, 10 lks. wide, course N. 30° E. near head. Asc. 160
ft., over SE. slope.

33.50 Spur, slopes E. Desc. 120 ft., over NE. slope.

39.70 Bottom of ravine, 20 lks. wide, course N. 80° E. Asc. 7 ft.
over SE. slope, to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in
the ground to bed rock, supported in a mound of stone
for 1/4 sec. cor., marked on brass cap,

1/4
S 26 | S 25
1920

from which,

A pine, 7 ins. in diam., brs. N. 17° E., 43 lks.
dist., marked 1/4 S 25 BT.

A pine, 9 ins. in diam., brs. N. 54° W., 24 lks.
dist., marked 1/4 S 26 BT.

Ascend 150 ft., over SE. slope.

52.00 Spur, slopes NE. Desc. 115 ft., over NE. slope.

60.00 Bottom of ravine, 20 lks. wide, course S, 60° E., general
course E. Asc. 135 ft., over S. slope.

66.50 Spur, slopes E. Desc. 190 ft., over N. slope.

72.00 Bottom of ravine, 20 lks. wide, course E. Asc. 170 ft., over
S. 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,

T31N R8W
S 23 | S 24
S 26 | S 25
1920

from which,

Part of Subdivison lines of Township 31 North Range 8 West 13

Chains.

- A cedar, 8 ins. in diam., brs. N. 46 $\frac{1}{2}$ ° E., 50 lks. dist., marked T31N R8W S24 BT.
- A pine, 8 ins. in diam., brs. S. 18 $\frac{1}{2}$ ° E., 26 lks. dist., marked T31N R8W S25 BT.
- A pine, 4 ins. in diam., brs. S. 60 $\frac{1}{2}$ ° W., 56 lks. dist., marked T31N R8W S26 BT.
- A cedar, 8 ins. in diam., brs. N. 15° W., 104 lks. dist., marked T31N R8W S23 BT.

Land, rolling.
 Soil, rocky, 4th rate.
 Timber, dense pine and cedar in N. 69 chs. None in S. 11 chs.
 Undergrowth, scattering chamisal and scrub cedar.
 No grass.

40.00
79.96

N. 89° 56' E., on a random line, bet. secs. 24 and 25.
 Set temp. $\frac{1}{4}$ sec. cor.
 Fall 26 lks. S. of the cor. of secs. 19, 24, 25 and 30, on E. bdy. of Tp., established under current Group 105, which is an iron post, 2 ins. in diam., projecting 29 ins. above ground, firmly set in a mound of stone, properly marked on brass cap, and witnessed by four properly marked bearing trees, as follows:
 A pine, N. 31 $\frac{1}{2}$ ° E., 99 lks. dist.
 A pine, S. 23° E., 34 lks. dist.
 A pine, S. 33 $\frac{1}{2}$ ° W., 93 lks. dist.
 A twin cedar, N. 29° W., 8 lks. dist.

12.85

Thence, S. 89° 45' W., on a true line, bet. secs. 24 and 25.
 Over nearly level land, thru. dense timber and scattering undergrowth. Desc. slightly over W. slope, to East or right rim of Prospect Valley, brs. N. and S. Leave nearly level, and enter mountainous land. Desc. 680 ft., over W. slope, to

39.98

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

$\frac{1}{4}$ S 24
S 25
1920

from which,
 A pine, 4 ins. in diam., brs. N. 5 $\frac{1}{2}$ ° E., 23 lks. dist., marked $\frac{1}{4}$ S 24 BT.
 A pine, 14 ins. in diam., brs. S. 15° W., 4 lks. dist., marked $\frac{1}{4}$ S 25 BT.

58.40

Descend 166 ft., over W. slope, to Foot of descent, brs. N. and S., and road, same bearing. Thence across bottom of Prospect Valley.

59.26

Wash, 30 lks. wide, course N. Leave bottom of Prospect Valley. Asc. 390 ft., over E. and SE. slopes, to

74.00
79.96

Thence along S. slope, descending 20 ft., to The cor. of secs. 23, 24, 25 and 26.
 Land, E. 13 chs., nearly level, remainder, mountainous.
 Soil, gravelly and rocky yellow clay, 3rd and 4th rate.
 Timber, dense cedar and pine.
 Undergrowth, chamisal, sage brush and scrub cedar.
 Fair grass in E. 13 chs.

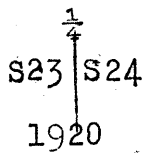
3.70
11.90

N. 0° 01' W., bet. secs. 23 and 24.
 Over mountainous land, thru. dense timber and scattering undergrowth.
 Ascend 45 ft., over SW. slope.
 Saddle in spur, sloping E. Desc. 290 ft., over NW. slope.
 Bottom of ravine, 20 lks. wide, course N. 45° E. Asc. 190 ft., over SE. slope.

Part of Subdivision lines of Township 31 North, Range 8 West.

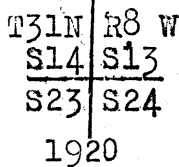
Chains.

25.00 Spur, slopes N. 50° E. Desc. 310 ft., over N. slope.
 36.10 Rocky gulch, course NE. Asc. 33 ft., over SE. slope, to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in
 the ground to bed rock, supported in a mound of stone,
 for $\frac{1}{4}$ sec. cor., marked on brass cap,



from which,
 A pine, 12 ins. in diam., brs. S. 42° E., 17 lks.
 dist., marked $\frac{1}{4}$ S 24 BT.
 A pine, 10 ins. in diam., brs. N. 31° W., 18 lks.
 dist., marked $\frac{1}{4}$ S 23 BT.

Ascend 30 ft., over SE. slope.
 46.30 Point of spur, slopes E. Desc. 175 ft., over NE. slope, to
 64.10 Wash, 20 lks. wide, course N. 20° W. at W. edge of bottom
 of Prospect Valley. Leave mountainous land, and dense
 timber, and enter nearly level land and scattering
 timber and undergrowth, in bottom of valley.
 75.00 Road, brs. S. 10° E. and N. 10° W. at E. edge of bottom of
 Prospect Valley. Leave nearly level, and enter rolling
 land. Thence along foot of W. slope, with slight change
 in elevation.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 8 ins. in
 the ground to bed rock; deposit stone marked with a
 cross (x) at base of post, and raise a mound of stone
 around post, for cor. of secs. 13, 14, 23 and 24, marked
 on brass cap,



from which,
 A cedar, 8 ins. in diam., brs. N. 36° E., 153 lks.
 dist., marked T31N R8W S13 BT.
 A cedar, 6 ins. in diam., brs. S. 72° E., 35 lks.
 dist., marked T31N R8W S24 BT.
 A cedar, 14 ins. in diam., brs. N. 14° W., 125 lks.
 dist., marked T31N R8W S14 BT.
 Land, S. 64 chs., mountainous; N. 5 chs. rolling; remainder,
 nearly level.
 Soil, rocky, 4th rate.
 Timber, pine and cedar, dense in S. 64 chs.; scattering
 in N. 16 chs.
 Undergrowth, scattering chamisal, manzanita and scrub ce-
 dar.
 No grass.

40.00 N. 89° 45' E., on a random line, bet. secs. 13 and 24.
 79.92 Set temp. $\frac{1}{4}$ sec. cor.
 Fall 5 lks. N. of the cor. of secs. 13, 18, 19 and 24, on E.
 bdy. of Tp., established under current Group No. 105,
 which is an iron post, 2 ins. in diam., projecting 21
 ins. above ground, firmly set in a mound of stone,
 properly marked on brass cap, and witnessed by four
 properly marked bearing trees, as follows:

A pine, N. 59° E., 19 lks. dist.
 A cedar, S. 49° E., 24 lks. dist.
 A pine, S. 70° W., 30 lks. dist.
 A pine, N. 36° W., 42 lks. dist.
 10.00 Thence, level land and the mountainous
 S. 89° 47' W., on a true line, bet. secs. 13 and 24.
 Descend 125 ft., over steep slope, to

Part of Subdivision lines of Township 31 North, Range 8 West. 15

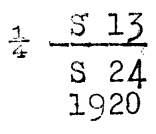
Chains.

19.00 Over nearly level land, thru. dense timber, and scattering undergrowth. Ascend slightly over E. slope, to East, or right rim of Prospect Valley, brs. N. and S. Leave nearly level land and timber, and enter mountainous land. Descend 525 ft. over steep W. slope, to

30.00 Top of almost perpendicular cliff, 200 ft. high, bearing N. and S., facing W.

31.00 Base of cliff, brs. N. and S. Desc. 225 ft., over W. slope, to

39.96 Set an iron post, 3 ft. long, 1 in. in diam., over cross (x) marked on surface rock, and raise a mound of stone around post, for $\frac{1}{4}$ sec. cor., marked on brass cap,



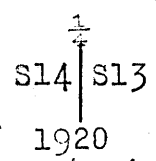
44.80 Continue over mountainous land, thru. scattering undergrowth. Descend 85 ft., over steep W. slope, to Foot of steep descent, brs. N. and S. Leave mountainous, and enter rolling land and scattering timber. Desc. 285 ft., over W. slope, to

79.92 The cor. of secs. 13, 14, 23 and 24. Land, E. 19 chs., nearly level; W. 45 chs., rolling; remainder, mountainous. Soil, E. 19 chs., gravelly, 3rd rate; remainder, rocky, 4th rate. Timber, pine and cedar, dense in E. 19 chs., scattering in W. 45 chs. None elsewhere. Undergrowth, scattering scrub oak and sagebrush. Fair grass in E. 19 chs. None elsewhere.

25.00 N. 0° 01' W., bet. secs. 13 and 14. Over rolling land, thru. scattering timber and undergrowth. Ascend 90 ft., over rolling W. slope, to

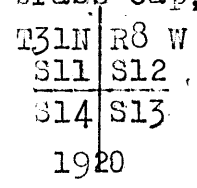
37.00 Descend 20 ft., over NW. slope. Gully, course W. Asc. slightly over SW. slope, to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 5 ins. in the ground to bed rock, supported in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,



from which,
 A pine, 10 ins. in diam., brs. S. 68 $\frac{1}{2}$ ° E., 31 lks. dist., marked $\frac{1}{4}$ S 13 BT.
 A pine, 10 ins. in diam., brs. S. 88° W., 48 lks. dist., marked $\frac{1}{4}$ S 14 BT.

80.00 Leave rolling, and enter mountainous land. Ascend 245 ft., over broken SW. slope. On the west side of a sandstone boulder, 20x20x20 ft. above ground, Set an iron post, 3 ft. long, 2 ins. in diam., over cross (x) marked on surface rock, and raise a mound of stone around post, for cor. of secs. 11, 12, 13 and 14, marked on brass cap,



from which,
 A pine, 8 ins. in diam., brs. S. 13° W., 15 lks. dist., marked T31N R8W S14 BT.
 A pine, 5 ins. in diam., brs. N. 35 $\frac{1}{2}$ ° W., 103 lks. dist., marked T31N R8W S11 BT.

16 Part of Subdivision lines of Township 31 North Range 8 West.

Chains.

Land, S. 1/2 rolling; N. 1/2 mountainous.
Soil, rocky, 4th rate.
Timber, scattering pine and cedar.
Undergrowth, scattering sagebrush and chamisal.
No grass.

40.00
79.80

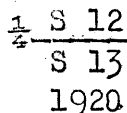
N. 89° 47' E., on a random line, bet. secs. 12 and 13.
Set temp. 1/4 sec. cor.
Fall 9 lks. S. of the cor. of secs. 7, 12, 13 and 18, on E. bdy. of Tp., established under current Group No. 105, which is an iron post, 2 ins. in diam., projecting 10 ins. above ground, firmly set, properly marked on brass cap, and witnessed by four properly marked bearing trees, as follows:

- A cedar, N. 32° E., 111 lks. dist.
- A pine, S. 27° E., 57 lks. dist.
- A pine, S. 76° W., 46 lks. dist.
- A pine, N. 32 1/2° W., 67 lks. dist.

Thence,
S. 89° 43' W., on a true line, bet. secs. 12 and 13.
Over rolling land, thru. dense timber and scattering undergrowth. Along rolling N. slope, with slight change in elevation.

26.50 Shallow draw, course NE. Continue over N. slope, ascending slightly to

39.90 Set an iron post, 3 ft. long, 1 in. in diam., 4 ins. in the ground to bed rock, supported in a mound of stone, for 1/4 sec. cor., marked on brass cap,



from which,

- A pine, 12 ins. in diam., brs. N. 70° W., 76 lks. dist., marked 1/4 S 12 BT.
- A pine, 18 ins. in diam., brs. S. 81° W., 42 lks. dist., marked 1/4 S 13 BT.

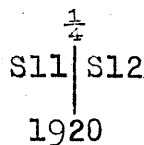
Continue over rolling land, thru. dense timber and scattering undergrowth. Descend slightly to

41.60 E. or right rim of Prospect Valley, brs. N. and S. Leave rolling land and dense timber, and enter mountainous land, scattering timber and undergrowth. Descend 1390 ft., over steep broken W. slope, to

79.80 The cor. of secs. 11, 12, 13 and 14.
Land, E. 41 1/2 chs. rolling; remainder, mountainous.
Soil, rocky, 4th rate.
Timber, pine and cedar, dense in E. 41 1/2 chs., scattering elsewhere.

Undergrowth, scattering chamisal, manzanita and sagebrush.
No grass.

N. 9° 01' W., bet. secs. 11 and 12.
Over mountainous land, thru. scattering timber and undergrowth. Asc. 85 ft. over rolling and broken W. slope, to
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to bed rock, supported in a mound of stone, for 1/4 sec. cor., marked on brass cap,



from which,

- A pine, 12 ins. in diam., brs. N. 55° E., 52 lks. dist., marked 1/4 S 12 BT.
- A pine, 15 ins. in diam., brs. N. 19 1/4° W., 47 lks. dist., marked 1/4 S 11 BT.

Part of Subdivision lines of Township 31 North, Range 8 West. 17

Chains. Descend 185 ft., over NW. slope, to
65.00 East edge of bottom of Prospect Valley, brs. NE. and SW.
Leave mountainous land and timber, and enter nearly level
land in bottom of Prospect Valley.
73.00 Trail, brs. N. 20° E. and S. 20° W.
76.00 Wash, 60 lks. wide, 2 ft. deep, course N. 20° E. Continue over
nearly level bottom of Prospect Valley.
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the
ground, for cor. of secs. 1, 2, 11 and 12, marked on brass
cap,
T31N R8 W
S 2 S 1
S11 S12
1920
and raise mound of stone, 3 ft. base, 2 1/2 ft. high, W. of cor.
Land, S. 65 chs. mountainous; N. 15 chs. nearly level.
Soil, rocky, 4th rate.
Timber, scattering pine and cedar in S. 65 chs. None in N. 15
chs. Undergrowth, scattering sage brush and chamisal.
No grass.

40.00 N. 89° 43' E., on a random line, bet. secs. 1 and 12.
Set temp. 1/4 sec. cor.
80.06 Fall 35 lks. N. of cor. of secs. 1, 6, 7 and 12, on E. bdy. of Tp.,
established under current group No. 105, which is an
iron post, 2 ins. in diam., projecting 29 ins. above ground
firmly set in mound of stone, properly marked on brass
cap, and witnessed by four properly marked bearing
trees, as follows:
A pine, N. 63° E., 87 lks. dist.
A pine, S. 38 1/2° E., 99 lks. dist.
A pine, S. 21° W., 121 lks. dist.
A pine, N. 24° W., 112 lks. dist.
Thence, S. 89° 58' W., on true line, bet. secs. 1 and 12.
Over broken and mountainous land, thru. scattering timber
and undergrowth. Desc. 130 ft., over W. slope.
12.00 Gulch, course NW. Asc. 70 ft., over NE. slope.
26.00 Descend 30 ft., over NW. slope.
30.50 Ascend 70 ft., over E. slope.
38.50 Low spur, slopes N. Desc. 12 ft., over W. slope, to
40.03 Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in the
ground to bed rock, supported in a mound of stone, for
1/4 sec. cor., marked on brass cap,
1/4 S 1
S 12
1920
from which,
A pine, 12 ins. in diam., brs. N. 63 1/4° E., 101 lks.
dist., marked 1/4 S 1 BT.
A pine, 10 ins. in diam., brs. S. 51 1/4° E., 70 lks.
dist., marked 1/4 S 12 BT.
Descend 105 ft., over W. slope, to
50.50 Top of sandstone cliffs, 40 ft. high, bearing N. and S. fac-
ing W., forming E. or right rim of Prospect Valley. From
base of cliffs, descend 230 ft., over W. slope, to
72.00 Trail, brs. N. and SW. at foot of descent, and E. edge of bottom
of Prospect Valley, bearing N. and S. Leave mountainous
land and timber, and enter nearly level land in bottom
of valley, bearing NE. and SW.
76.50 Wash, 50 lks. wide, 2 ft. deep, course N. 20° W. General course,
NE. Continue over nearly level bottom of valley, to
80.06 The cor. of secs. 1, 2, 11 and 12.
Land, E. 72 chs. mountainous; remainder, nearly level.
Soil, rocky, 4th rate.
Timber, scattering pine and cedar in E. 72 chs. None in W.
8 chs. Undergrowth, scattering chamisal & sagebrush.
No grass.

40.00 N. 0° 01' W., on random line, bet. secs. 1 and 2.
Set temp. 1/4 sec. cor.
80.06 Fall 4 lks. E. of the cor. of secs. 1, 2, 35 and 36 on N. bdy.
of Tp., hereinbefore described.
Thence

18 Part of Subdivision of lines of Township 31 North, Range 8 West.

Chains	Description
	S. 0°03' E., on true line, bet. secs. 1 and 2. Over mountainous land, thru. dense undergrowth. Gypsum deposit extends 3 chs. W. and 5 chs. E. Desc. slightly along E. slope, near foot of cliff, bearing N. & S., facing E.
5.00	Leave gypsum deposit.
6.25	Desc. 35 ft., over SE. slope.
9.15	Ascend slightly along foot of cliff, bearing N. and S.
15.00	E. rim of bench, brs. NW. and S. Desc. 237 ft. along broken E. slope near rim of bench, to
18.25	E. rim of bench, brs. N. and SW. Desc. 195 ft. over SE. slope, to
40.06	Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in ground to bed rock, deposit a stone mkd. with a cross (x) at base of post, and raise a mound of stone around post, for 1/4 sec. cor. mkd. on brass cap 52 1/2 51 1920
	Desc. 10 ft., over SE. slope.
41.60	Bottom of ravine, course N. 80° E. Asc. 75 ft. over N. slope.
54.00	Rocky, spur. slopes NE. Desc. 110 ft. over SE. slope.
63.80	Bottom of ravine, course N. 80° E. Desc. 200 ft. over SE. slope, to
75.00	W. edge of bottom of Prospect Valley, brs. NE. & SW. Leave mountainous and enter nearly level land and scattering undergrowth in bottom of Prospect Valley, bearing NE. & SW.
80.06	The cor. of secs. 1, 2, 11 and 12. Land, E. 75 chs. mountainous; S. 5 chs. nearly level. Soil, rocky, 4th rate. Timber, none. Undergrowth, scrub cedar and sagebrush, dense in N. 75 chs., scattering in S. 5 chs. No grass.

	From cor. of secs. 2, 3, 34 and 35 on S. bdy. of Tp., described in Book "C,"
	N. 0°01' W., bet. secs. 34 and 35. Over mountainous land, thru. scattering timber and dense undergrowth. Desc. 200 ft., over NE. slope, to
9.80	Wash, course NW. Thence over nearly level bottom of Prospect Valley at W. side of bend in same from SE. to NE. at mouth of a wash from W. slope, to
14.20	Same wash, course NE. Leave nearly level bottom of valley and enter mountainous land and dense timber. Asc. 362 ft. over SE. 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. 1920
	from which, S34 S35 1920
	A pine, 5 ins. diam., brs. N. 78° E., 21 lks. dist., mkd. 1/4 S35 BT. A pine, 5 ins. diam., brs. S. 24 1/4° W., 18 lks. dist., mkd. 1/4 S34 BT.
	Ascend 215 ft., over SE. slope.
50.00	Spur, slopes N. 60° E. Descend 270 ft., over N. slope.
59.00	Bottom of ravine, course N. 70° E. Asc. 405 ft. over SE. slope.
76.00	Spur, slopes NE. Descend 62 ft., over N. slope, to
80.00	Set an iron post 5 ft. long; 2 ins. in diam., 10 ins. in ground to bed rock, supported in mound of stone, for cor. of secs. 26, 27, 34 and 35, marked on brass cap, T31N R8 W S27 S26 S34 S35 1920
	from which, A pine, 4 ins. in diam., brs. N. 76 1/2° E., 52 lks. dist., marked T31N R8W S26 BT. A pine, 5 ins. in diam., brs. S. 44° E., 44 lks. dist., marked T31N R8W S35 BT. A pine, 5 ins. in diam., brs. S. 52 1/2° W., 22 lks. dist., marked T31N R8W S34 BT. A cedar, 10 ins. in diam., brs. N. 78 1/2° W., 26 lks. dist., marked T31N R8W S27 BT.
	Land, mountainous, except in bottom of Prospect Valley, where it is nearly level. Soil, rocky, 4th rate. Timber, pine & cedar, scattering in S. 14 chs.; dense elsewhere. Undergrowth, dense chamisal, scrub oak & sagebrush. No grass.

	N. 89°53' E., on a random line, bet. secs. 26 and 35.
40.00	Set temp. 1/4 sec. cor.
79.98	Fall 9 lks. N. of the cor. of secs. 25, 26, 35 and 36.

Part of Subdivision lines of Township 31 North Range 8 West. 19

Chains. Thence,
 S. 89° 57' W., on a true line, bet. secs. 26 and 35.
 Over mountainous land, thru scattering undergrowth. Desc.
 20 ft., over W. slope, to
 5.20 Road, brs. NE. and SW. at East edge of bottom of Prospect
 Valley, same bearing. Thence over nearly level bottom
 of valley.
 8.50 Wash, course NE. at W. edge of bottom of valley. Leave
 valley, and enter mountainous land, dense timber and
 scattering undergrowth. Asc. 325 ft. over E. slope.
 23.40 Descend 215 ft., over SW. slope.
 36.60 Bottom of ravine, course SE. Ascend 80 ft., over NE. slope,
 to
 39.99 Set an iron post, 3 ft. long, 1 in. in diam., in a mound of
 stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,

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

from which,
 A cedar, 4 ins. in diam., brs. N. 9 $\frac{1}{2}$ ° E., 15 lks.
 dist., marked $\frac{1}{4}$ S 26 BT
 A cedar, 5 ins. in diam., brs. S. 37 $\frac{1}{2}$ ° E., 32 lks.
 dist., marked $\frac{1}{4}$ S 35 BT.

Ascend 200 ft., over NE. slope, to
 50.00 Top of ascent; thence along N. slope, descending slightly
 to
 60.00 Gully, course NE. Asc. 256 ft., over E. slope.
 77.50 Spur, slopes NE. Desc. 17 ft., over N. slope, to
 79.98 The cor. of secs. 26, 27, 34 and 35.
 Land, mountainous, except in bottom of Prospect Valley,
 where it is nearly level.
 Soil, rocky, 4th rate.
 Timber, dense pine and cedar in W. 71 $\frac{1}{2}$ chs. None in E. 8 $\frac{1}{2}$
 chs.
 Undergrowth, scattering sagebrush and manzanita.
 No grass.

N. 0° 01' W., bet. secs. 26 and 27.
 Over mountainous land, thru dense timber and scattering
 undergrowth.
 Desc. 85 ft., over N. slope.
 4.00 Bottom of ravine, course N. 70° E. Asc. 120 ft. over SE. slope.
 11.60 Point of spur, slopes E. Desc. 145 ft., over NE. slope.
 16.10 Bottom of ravine, course E. Asc. 144 ft., over SE. slope, to
 23.25 Thence along broken E. slope, to
 25.00 Descend 70 ft., over NE. slope.
 28.00 Gulch, course N. 60° E. Asc. 160 ft., 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,

$\frac{1}{4}$
 S 27 | S 26
 1920

from which,
 A pine, 8 ins. in diam., brs. S. 72° E., 31 lks.
 dist., marked $\frac{1}{4}$ S 26 BT.
 A pine, 12 ins. in diam., brs. S. 79 $\frac{1}{2}$ ° W., 30 lks.
 dist., marked $\frac{1}{4}$ S 27 BT.

Ascend 160 ft., over S. slope, to
 57.00 S. edge of top of ridge, brs. S. 70° E., and N. 70° W. Thence
 across flat top of ridge.
 63.00 N. edge of top of ridge, brs. NW. and SE. Leave top of
 ridge, and descend 100 ft., over N. slope.
 69.00 Gulch, course N. 60° E. Asc. 45 ft., over SE. slope.

20 Part of Subdivision lines of Township 31 North, Range 8 West.

Chains.

73.70

80.00

Point of spur, slopes E. Desc. 45 ft. over NE slope.
Set an iron post, 3 ft. long, 2 ins. in diam., 8 ins. in
the ground to bed rock, supported in a mound of stone,
for cor. of secs. 22, 23, 26 and 27, marked on brass cap,

T21N	R8 W
S22	S23
S27	S26
1920	

from which,

A cedar, 10 ins. in diam., brs. N. 58° E., 71 lks.
dist., marked T31N R8W S23 BT.

A pine, 14 ins. in diam., brs. S. 69½° E., 31 lks.
dist., marked T31N R8W S26 BT.

A cedar, 8 ins. in diam., brs. S. 59° W., 28 lks.
dist., marked T31N R8W S27 BT.

A cedar, 6 ins. in diam., brs. N. 55½° W., 21 lks.
dist., marked T31N R8W S22 BT.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, dense pine and cedar.

Undergrowth, scattering chamisal, sagebrush and scrub oak.

No grass.

40.00

80.02

N. 89° 57' E., on a random line, bet. secs. 23 and 26.

Set temp. ¼ sec. cor.

Fall 2 lks. N. of the cor. of secs. 23, 24, 25 and 26.

Thence,

S. 89° 58' W., on a true line, bet. secs. 23 and 26.

Over mountainous land, thru. dense timber and scattering
undergrowth, along rolling S. slope of spur, the top
of which slopes E. at about 3 chs. N. of line. Asc. 380
ft., to

40.01

Set an iron post, 3 ft. long, 1 in. in diam., in a mound
of stone, for ¼ sec. cor., marked on brass cap,

¼ S 23
S 26
1920

from which,

A cedar, 8 ins. in diam., brs. N. 62° E., 22 lks.
dist., marked ¼ S 23 BT.

A cedar, 10 ins. in diam., brs. S. 9° E., 38 lks.
dist., marked ¼ S 26 BT.

Ascend 80 ft., over E. slope.

50.00

Ridge, brs. N. and S. Desc. 292 ft., over W. slope.

67.50

Bottom of ravine, course N. Asc. 150 ft., over E. slope, to

80.02

The cor. of secs. 22, 23, 26 and 27.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, dense pine and cedar.

Undergrowth, scattering chamisal, scrub oak, manzanita and
sage brush.

No grass.

N. 0° 01' W., bet. secs. 22 and 23.

Over mountainous land, thru. dense timber and scattering
undergrowth, along broken E. slope of spur, the top of
which slopes N. about 3 chs. W. of line.

Ascend 17 ft. to

2.50

Descend slightly to

5.60

Descend 200 ft.

15.10

Ascend 117 ft.

31.30

Descend 150 ft., over NE slope, to

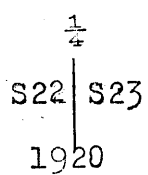
40.00

Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the

Part of Subdivision lines of Township 31 North, Range 8 West. 21

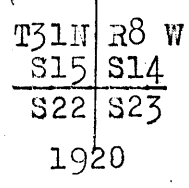
Chains.

ground, supported in a mound of stone, for 1/4 sec. cor., marked on brass cap,



from which,
 A pine, 10 ins. in diam., brs. S. 45 1/4° E., 62 lks.
 dist., marked 1/4 S 23 BT.
 A cedar, 6 ins. in diam., brs. S. 11 1/2° W., 78 lks.
 dist., marked 1/4 S 22 BT.

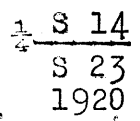
Descend slightly over NE. slope.
 40.50 Bottom of ravine, course NW. Ascend 55 ft., over SW. slope.
 50.00 Descend 65 ft., over NW. slope.
 60.00 Bottom of ravine, course E. Ascend 150 ft., over SE. slope, to
 to
 65.80 Descend 30 ft., over E. slope, to
 71.00 Ascend 60 ft., over E. slope, to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 16 ins. in the ground, supported in a mound of stone, for cor. of secs. 14, 15, 22 and 23, marked on brass cap,



from which,
 A pine, 6 ins. in diam., brs. N. 57 1/2° E., 73 lks.
 dist., marked T31N R8W S14 BT.
 A pine, 6 ins. in diam., brs. S. 53° E., 41 lks.
 dist., marked T31N R8W S23 BT.
 A pine, 12 ins. in diam., brs. S. 74 1/2° W., 25 lks.
 dist., marked T31N R8W S22 BT.
 A pine, 12 ins. in diam., brs. N. 39 1/4° W., 195 lks.
 dist., marked T31N R8W S15 BT.

Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, dense pine and cedar.
 Undergrowth, scattering chamisal and sagebrush.
 No grass.

40.00 N. 89° 58' E., on a random line, bet. secs. 14 and 23.
 Set temp. 1/4 sec. cor.
 80.10 Intersect the cor. of secs. 13, 14, 23 and 24.
 Thence,
 S. 89° 58' W., on a true line, bet. secs. 14 and 23.
 Over rolling land, thru. scattering timber and undergrowth. Desc. 10 ft., over W. slope.
 2.10 Wash, course N., and road bearing N. 10° W. and S. 10° E. at E. edge of bottom of Prospect Valley. Leave rolling, and enter nearly level bottom of valley.
 9.35 West edge of bottom of Prospect Valley, brs. N. and S. Leave nearly level, and enter mountainous land, and ascend 175 ft., over E. slope.
 23.00 Spur, slopes NE. Desc. 85 ft., over NW. slope.
 28.00 Gulch, course NE. Ascend 300 ft., over E. slope, to
 40.05 Set an iron post, 3 ft. long, 1 in. in diam., in a mound of stone, for 1/4 sec. cor., marked on brass cap,



from which,
 A pine, 8 ins. in diam., brs. N. 45° E., 211 lks.
 dist., marked 1/4 S 14 BT.
 A pine, 4 ins. in diam., brs. S. 12 3/4° W., 49 lks.
 dist., marked 1/4 S 23 BT.

22 Part of Subdivision lines of Township 31 North, Range 8 West.

Chains.

- Ascend 90 ft., over E. slope.
 43.00 Spur, slopes N. 20° E. Desc. 534 ft., over W. slope.
 61.00 Bottom of ravine, course N. 20° E. Ascend 410 ft., over E. slope, to
 80.10 The cor. of secs. 14, 15, 22 and 23.
 Land, E. 2 chs. rolling; W. 70½ chs., mountainous; remainder, nearly level.
 Soil, rocky, 4th rate.
 Timber, scattering pine and cedar.
 Undergrowth, scattering chamisal, scrub oak, sage brush and cactus.
 No grass.
-
- N. 0° 01' W., bet. secs. 14 and 15.
 Over mountainous land, thru. scattering timber and undergrowth.
 Ascend 36 ft., over E. slope.
 3.13 Spur, slopes NE. Desc. 486 ft., over NW. slope.
 19.50 Bottom of ravine, course NE. Ascend 350 ft., over SE. slope.
 36.00 Spur, slopes E. Desc. 70 ft., over NE. slope, to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground, supported in a mound of stone, for ¼ sec. cor., marked on brass cap,

¼
 S15 | S14
 1920

from which,

- A pine, 8 ins. in diam., brs. S. 22° E., 7 lks. dist., marked ¼ S 14 BT.
 A pine, 10 ins. in diam., brs. N. 41° W., 46 lks. dist., marked ¼ S 15 BT.
 Descend 230 ft., over NE. slope.
 54.60 Bottom of ravine, course E. Ascend 540 ft., over SW. slope, to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., over cross (x) marked on surface rock, and raise a mound of stone around post, for cor. of secs. 10, 11, 14 and 15, marked on brass cap,

T31N | R8 W
 S10 | S11
 S15 | S14
 1920

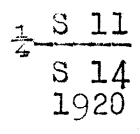
Land, mountainous.
 Soil, rocky clay, 4th rate.
 Timber, scattering pine and cedar.
 Undergrowth, scattering chamisal, scrub oak, manzanita and sage brush.
 No grass.

- N. 89° 58' E., on a random line, bet. secs. 11 and 14.
 40.00 Set temp. ¼ sec. cor.
 80.00 Fall 24 lks. S. of the cor. of secs. 11, 12, 13 and 14.
 Thence,
 S. 89° 48' W., on a true line, bet. secs. 11 and 14.
 Over mountainous land, thru. scattering timber and undergrowth.
 Descend 295 ft., over W. slope.
 21.00 Wash, course N. 20° E. in bottom of Prospect Valley.
 Ascend 395 ft.; over E. slope, to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in

Part of Subdivision lines of Township 31 North, Range 8 West. 23

Chains.

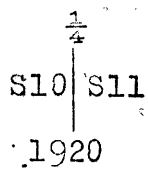
the ground, over cross (x) marked on bed rock, and raise a mound of stone around post, for 1/4 sec. cor., marked on brass cap,



- 60.50 Ascend 445 ft., over E. slope, to E. edge of top of spur, sloping E. Thence over broad rolling top of spur. Ascend 90 ft., over E. slope, to
- 75.00 W. edge of top of spur, sloping E. from NW. Leave top of spur. Descend 280 ft., over SW. slope, to
- 80.00 The cor. of secs. 10, 11, 14 and 15. Land, mountainous. Soil, rocky, 4th rate. Timber, scattering pine and cedar. Undergrowth, scattering chamisal, sagebrush, scrub oak and manzanita. No grass.

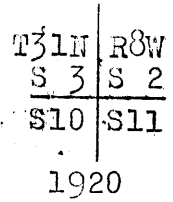
N. 0° 01' W., bet. secs. 10 and 11. Over mountainous land, thru. scattering timber and undergrowth.

- 13.66 Ascend 380 ft., over SW. slope, to W. edge of top of spur, brs. NW. and SE. Thence over nearly level top of spur, sloping SE., to
- 31.80 E. edge of top of spur, brs. NW. and SE. Leave top of spur, and descend 94 ft., over NE. slope, to
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground over cross (x) marked on bed rock, and raise a mound of stone around post, for 1/4 sec. cor., marked on brass cap,



from which, A pine, 4 ins. in diam., brs. N. 9° E., 91 lks. dist., marked 1/4 S 11 BT.

- 44.60 Descend 50 ft., over NE. slope. Wash, 10 lks. wide, course E. Ascend 45 ft., over SE. slope.
- 50.80 Spur, slopes SE. Desc. 66 ft., over NE. slope.
- 53.90 Wash, 20 lks. wide, course E. Ascend 55 ft., over S. slope.
- 58.00 Spur, slopes E. Desc. 40 ft., over N. slope.
- 63.12 Wash, 10 lks. wide, course E. Leave mountainous, and enter rolling land and dense timber. Asc. 65 ft., over SE. slope, 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, 10 ins. in diam., brs. N. 54 1/2° E., 103 lks. dist., marked T31 N R8W S2 BT.
- A pine, 8 ins. in diam., brs. S. 25 1/2° E., 41 lks. dist., marked T31N R8W S11 BT.
- A pine, 7 ins. in diam., brs. S. 23 1/2° W., 9 lks. dist., marked T31N R8W S10 BT.
- A pine, 10 ins. in diam., brs. N. 63 1/2° W., 64 lks. dist., marked T31N R8W S3 BT.

24 Part of Subdivision lines of Township 31 North, Range 8 West.

Chains.

Land, S. 63 chs. mountainous; N. 17 chs., rolling.
Soil, rocky yellow clay, 3rd and 4th rate.
Timber, pine and cedar, scattering and dense.
Undergrowth, scattering chamisal, sagebrush and cedar.
No grass.

- 40.00 N. 89°48'E., on a random line, bet. secs. 2 and 11.
- 79.96 Set temp. 1/4 sec. cor.
- 79.96 Fall 2 lks. S. of the cor. of secs. 1, 2, 11 and 12.
- Thence,
- S. 89°47'W., on a true line, bet. secs. 2 and 11.
- Over nearly level land, thru. scattering undergrowth, in bottom of Prospect Valley.
- 2.00 West edge of bottom of Prospect Valley. brs. N. and S. Leave nearly level, and enter mountainous land.
- Ascend 220 ft., over steep E. slope, to
- 10.80 Base of cliff, 60 ft. high, brs. NW. and SE., facing E.
- 11.80 Top of same cliff, bearing NW. and SE. Asc. 770 ft., over steep NE. slope, to 1/4 sec. cor.
- 20.00 Enter dense timber, brs. N. and S.
- 39.98 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground, for 1/4 sec. cor., marked on brass cap,

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

from which,

- A pine, 16 ins. in diam., brs. S. 47°W., 16 lks. dist., marked 1/4 S 16 BT.
- A pine, 6 ins. in diam., brs. N. 25°W., 36 lks. dist., marked 1/4 S 2 BT.

- 57.20 Ascend 216 ft., over NE. slope, to Spur, slopes SE. from W. Leave mountainous, and enter rolling land. Asc. slightly over S. slope, near top of spur.
- 70.00 Ascend 93 ft., over NE. slope, to
- 79.96 The cor. of secs. 2, 3, 10 and 11.
- Land, E. 2 chs. nearly level; W. 23 chs. rolling; remainder, mountainous.
- Soil, rocky, yellow clay, 4th rate.
- Timber, dense pine and cedar in W. 60 chs. None in E. 20 chs.
- Undergrowth, scattering scrub cedar, chamisal and sage brush.
- Poor grass.

- 40.00 N. 9°03'W., on a random line, bet. secs. 2 and 3.
- 80.24 Set temp. 1/4 sec. cor.
- 80.24 Fall 5 lks. E. of the cor. of secs. 2, 3, 34 and 35, on N. bdy. of Tp., hereinbefore described.
- Thence,
- S. 9°05'E., on a true line, bet. secs. 2 and 3.
- Over nearly level land, thru. scattering timber and undergrowth on bench.
- 40.24 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 3 | S 2
 1920

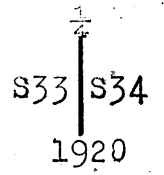
from which,

- A pine, 8 ins. in diam., brs. N. 44°E., 65 lks. dist., marked 1/4 S 2 BT.

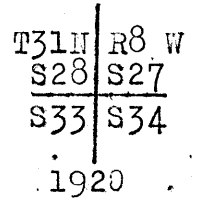
Chains.

A pine, 6 ins. in diam., brs. S. 27° W., 99 lks.
 dist., marked $\frac{1}{4}$ S 3 BT.
 Continue over nearly level land on bench, thru scattering
 timber and undergrowth.
 43.00 Leave timber.
 47.00 Gully, course NE. Leave nearly level bench and enter
 gently rolling land. Ascend very gradually to sec. cor.
 50.00 Enter scattering timber.
 60.00 Leave timber.
 64.00 Gully, course NE.
 66.00 Enter dense timber.
 80.24 The cor. of secs. 2, 3, 10 and 11.
 Land, nearly level and gently rolling.
 Soil, gravelly yellow clay, 3rd rate.
 Timber, pine and cedar, dense and scattering.
 Undergrowth, scattering chamisal, scrub cedar and sage
 brush.
 No grass.

 From the cor. of secs. 3, 4, 33 and 34, on S. bdy. of Tp.,
 described in Book "C,"
 N. 0° 02' W., between sec. 33 and 34.
 Over mountainous land, thru scattering timber and under-
 growth.
 Ascend 250 ft., over SW. slope.
 29.00 Point of spur, slopes W. Leave scattering, and enter
 dense timber. Desc. 50 ft., over N. slope, to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in
 the ground to bed rock, supported in a mound of stone
 for $\frac{1}{4}$ sec. cor., marked on brass cap,



from which,
 A cedar, 5 ins. in diam., brs. S. 31 1/2° E., 18 lks.
 dist., marked $\frac{1}{4}$ S 34 BT.
 A cedar, 5 ins. in diam., brs. S. 65 1/2° W., 22 lks.
 dist., marked $\frac{1}{4}$ S 33 BT.
 Descend 20 ft., over N. slope.
 47.20 Gully, course W. Asc. 305 ft., over S. slope.
 55.00 Road, brs. NE. and SW.
 70.40 South rim of mesa, brs. E. and W. Leave mountainous, and
 enter level land on top of mesa, bearing NW. and SE.
 76.80 Road brs. SE. and NW.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 20 ins. in
 the ground, supported in a mound of stone, for cor.
 of secc. 27, 28, 33 and 34, marked on brass cap,



from which,
 A pine, 4 ins. in diam., brs. N. 44° E., 19 lks.
 dist., marked T31N R8W S27 BT.
 A pine, 6 ins. in diam., brs. S. 45 1/2° E., 47 lks.
 dist., marked T31N R8W S34 BT.
 Descend A pine, 5 ins. in diam., brs. S. 35 1/2° W., 27 lks.
 dist., marked T31N R8W S33 BT.
 47.20 Gully, course W. Asc. 305 ft., over S. slope.
 55.00 Road, brs. NE. and SW.
 70.40 South rim of mesa, brs. E. and W. Leave mountainous, and
 enter level land on top of mesa, bearing NW. and SE.
 76.80 Road brs. SE. and NW.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 20 ins. in
 the ground, supported in a mound of stone, for cor.
 of secc. 27, 28, 33 and 34, marked on brass cap,

26 Part of Subdivision lines of Township 31 North Range 8 West.

Chains.

Land, S. 70 $\frac{1}{2}$ chs., mountainous; remainder, level.
Soil, rocky clay, 4th rate.
Timber, pine and cedar, scattering in S. 29 chs.; dense in N. 51 chs.
Undergrowth, scattering chamisal, scrub oak, manzanita and sage brush.
No grass.

40.00 N. 89° 53' E., on a random line, bet. secs. 27 and 34.
Set temp. $\frac{1}{4}$ sec. cor.
79.92 Fall 6 lks. S. of the cor. of secs. 26, 27, 34 and 35.
Thence,
S. 89° 50' W., on a true line, bet. secs. 27 and 34.
Over mountainous land, thru dense timber and scattering undergrowth.
7.70 Descend 60 ft., over N. slope.
Bottom of ravine, course N. 70° E. Asc. 170 ft. over SE. slope.
25.00 Rim of mesa, brs. NE. and SW. Leave mountainous and enter nearly level land on top of mesa.
36.60 Rim of mesa, brs. NW. and SE. Desc. 30 ft., over SW. slope.
39.10 Bottom of gully, course SE. Ascend 17 ft., over E. slope, to
39.96 Rim of mesa, brs. N. and S. Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to bed rock, supported in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 27

S 34

1920

from which,

A pine, 4 ins. in diam., brs. N. 21 $\frac{1}{4}$ ° E., 17 lks. dist., marked $\frac{1}{4}$ S 27 BT.

A pine, 8 ins. in diam., brs. S. 84 $\frac{1}{2}$ ° E., 24 lks. dist., marked $\frac{1}{4}$ S 34 BT.

Thence over rolling land, on top of mesa.
Ascend 85 ft., over NE. slope.

60.00 Descend 30 ft., over NW. slope, to
70.00 Rim of mesa, brs. NE. and SW. Descend 45 ft., over NW. slope.
72.10 Gully, course N. Ascend 80 ft., over NE. slope, to
77.00 Rim of mesa, brs. NW. and SE. Thence over nearly level land on top of mesa.

79.92 The cor. of secs. 27, 28, 33 and 34.
Land, E. 25 chs. mountainous; remainder, nearly level and rolling.
Soil, rocky, 4th rate.
Timber, dense pine and cedar.
Undergrowth, scattering chamisal, scrub oak, sage brush and manzanita.
No grass.

N. 0° 02' W., bet. secs. 27 and 28.
Over nearly level land, thru dense timber, and scattering undergrowth, on top of mesa, bearing NW. and SE.
4.20 Rim of mesa, brs. NW. and SE. Leave nearly level, and enter mountainous land. Desc. 84 ft. over N. slope.
8.60 Gully, course NE., near head. Asc. 80 ft., over SE. slope.
16.00 Spur, slopes N. 70° E. Desc. 75 ft., over NE. slope.
24.10 Gully, course NE. Asc. 90 ft., over SE. slope.
30.80 Spur, slopes N. 50° E. Desc. 120 ft., over N. slope.
36.30 Gulch, course NE. Asc. 50 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, supported in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,

S 28 | S 27

1920

Part of Subdivision lines of Township 31 North, Range 8 West. 27

Chains.

from which,
 A pine, 8 ins. in diam., brs. S. 59 $\frac{1}{2}$ ° E., 22 lks.
 dist., marked $\frac{1}{4}$ S 27 BT.
 A pine, 14 ins. in diam., brs. S. 38° W., 27 lks.
 dist., marked $\frac{1}{4}$ S 28 BT.
 Ascend 23 ft., over SE. slope.
 42.00 Spur, slopes NE. Desc. 25 ft. over N. slope.
 44.75 Gulch, course NE., near head. Asc. 50 ft., over SE. slope.
 50.10 Descend 70 ft., over NE. slope.
 53.80 Gulch, course NE. Ascend slightly to
 56.60 Gulch, course SE. Ascend 95 ft., over S. slope.
 69.75 Spur, from SW., forks at this point, and extends N. and NE.
 Descend slightly along top of spur, sloping N.
 80.00 On top of spur, sloping N. Set an iron post, 3 ft. long,
 2 ins. in diam., 6 ins. in the ground to bed rock, sup-
 ported in a mound of stone, for cor. of secs. 21, 22, 27
 and 28, marked on brass cap,

T31N	R8 W
S21	S22
S23	S27

1920

from which,
 A pine, 10 ins. in diam., brs. N. 66 $\frac{1}{2}$ ° E., 38 lks.
 dist., marked T31N R8W S22 BT.
 A pine, 10 ins. in diam., brs. S. 18 $\frac{1}{2}$ ° E., 40 lks.
 dist., marked T31N R8W S27 BT.
 A cedar, 4 ins. in diam., brs. S. 21° W., 28 lks.
 dist., marked T31N R8W S28 BT.
 A pine, 8 ins. in diam., brs. N. 24 $\frac{1}{2}$ ° W., 23 lks.
 dist., marked T31N R8W S21 BT.

Land, S. 4 chs. nearly level; remainder, mountainous.
 Soil, rocky, 4th rate.
 Timber, dense pine, cedar and oak.
 Undergrowth, scattering scrub cedar and scrub oak.
 No grass.

40.00 N. 89° 50' E., on a random line, bet. secs. 22 and 27.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.92 Fall 2 lks. N. of the cor. of secs. 22, 23, 26 and 27.
 Thence,
 S. 89° 51' W., on a true line, bet. secs. 22 and 27.
 Over mountainous land, thru dense timber and scattering
 undergrowth. Ascend 60 ft., over E. slope.
 4.90 Spur, slopes N. 20° E. Descend 120 ft., over NW. slope.
 15.60 Bottom of ravine, course N. 70° E. Asc. 223 ft., over E.
 slope.
 29.00 Spur, slopes N. Descend 240 ft., over W. slope, to
 39.96 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 22
S 27

1920

from which,
 A cedar, 14 ins. in diam., brs. N. 43° E., 32 lks.
 dist., marked $\frac{1}{4}$ S 22 BT.
 A pine, 8 ins. in diam., brs. S. 22 $\frac{1}{2}$ ° W., 9 lks.
 dist., marked $\frac{1}{4}$ S 27 BT.
 Descend slightly over W. slope, to
 40.80 Gully, course NE. Descend slightly over NE. slope, to
 44.80 Bottom of ravine, course NE. Ascend 260 ft., over E.
 slope.
 60.50 Spur, slopes N. Desc. 80 ft., over W. slope.
 65.00 Gulch, course N. Asc. 115 ft., over NE. slope, to
 79.92 The cor. of secs. 21, 22, 27 and 28, on spur, sloping N.
 Land, mountainous.
 Soil, rocky, 4th rate.

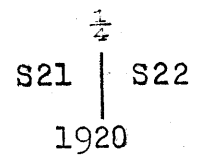
28 Part of Subdivision lines of Township 31 North, Range 8 West.

Chains.

Timber, dense pine and cedar.
Undergrowth, scattering chamisal, scrub oak, sagebrush, and manzanita.
No grass.

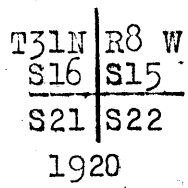
N. 0° 02' W., bet. secs. 21 and 22.
Over mountainous land, thru. dense timber and scattering undergrowth. Descend 50 ft., along top of spur, sloping N.

- 20.00 Leave top of spur, slopes NE. from S. Descend 200 ft., over NW. slope, to
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 15 ins. in the ground to bed rock, supported in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,



from which,
 A pine, 6 ins. in diam., brs. N. 25 $\frac{3}{4}$ ° E., 92 lks. dist., marked $\frac{1}{4}$ S 22 BT.
 A pine, 6 ins. in diam., brs. N. 30 $\frac{1}{4}$ ° W., 39 lks. dist., marked $\frac{1}{4}$ S 21 BT.

- 40.60 Gulch, course NE. Ascend 17 ft., over SE. slope.
- 41.60 Point of spur, sloping NE. Descend 22 ft., over N. slope.
- 42.70 Bottom of ravine, course NE. Ascend 223 ft., over SE. slope.
- 63.00 South edge of top of spur, brs. NE. and SW. Thence across nearly level top of spur, sloping NE.
- 72.45 North edge of top of spur, brs. NE. and SW. Leave top of spur. Desc. 83 ft., over NW. slope, to
- 76.20 Gulch, course N. 40° E. Asc. 75 ft., over SE. slope, to
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 4 ins. in the ground, to bed rock, supported in a mound of stone, for cor. of secs. 15, 16, 21 and 22, marked on brass cap,



from which,
 A pine, 6 ins. in diam., brs. N. 18 $\frac{3}{4}$ ° E., 52 lks. dist., marked T31N R8W S15 BT.
 A pine, 6 ins. in diam., brs. S. 16° E., 46 lks. dist., marked T31N R8W S22 BT.
 A cedar, 6 ins. in diam., brs. S. 62 $\frac{3}{4}$ ° W., 40 lks. dist., marked T31N R8W S21 BT.
 A cedar, 8 ins. in diam., brs. N. 71 $\frac{3}{4}$ ° W., 28 lks. dist., marked T31N R8W S16 BT.

Land, mountainous.
 Soil, rocky clay, 4th rate.
 Timber, dense pine and cedar.
 Undergrowth, scattering sage brush, chamisal and manzanita.
 No grass.

- N. 89° 51' E., on a random line, bet. secs. 15 and 22.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.14 Fall 9 lks. S. of the cor. of secs. 14, 15, 22 and 23. Thence,
 S. 89° 47' W., on a true line, bet. secs. 15 and 22.
 Over mountainous land, thru. dense timber and scattering undergrowth.

Part of Subdivision lines of Township 31 North, Range 8 West. 29

Chains.

- Ascend 80 ft., over E.slope.
- 2.65 Spur, slopes NE. Desc. 375 ft., over NW.slope.
- 16.50 Bottom of ravine, course NE. Asc. 420 ft., over SE.slope, to
- 38.00 Rim of top of spur, brs.NE. and SW. Thence across nearly level top of spur, sloping NE. Ascend slightly to
- 40.07 Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in the ground to bed rock, supported in a mound of stone, for $\frac{1}{4}$ sec.cor., marked on brass cap,

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

from which,

- A pine, 5 ins. in diam., brs.S. $64\frac{1}{2}^\circ$ E., 29 lks. dist., marked $\frac{1}{4}$ S 22 BT.
- A pine, 5 ins. in diam., brs.N. 45° W., 7 lks. dist., marked $\frac{1}{4}$ S 15 BT.

Continue over nearly level top of spur, sloping NE. Ascend 30 ft., to

- 60.00 Rim of top of spur, brs.NE. and SW. Leave top of spur, and descend 115 ft. over NW.slope.
- 69.82 Gulch, course NE. Asc. 142 ft., over SE.slope, to
- 80.14 The cor. of secs. 15, 16, 21 and 22.

Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, dense pine and cedar.
 Undergrowth, scattering sage brush, chamisal and scrub cedar.
 No grass.

N. $0^\circ 02'$ W., bet. secs. 15 and 16.

Over mountainous land, thru. dense timber and scattering undergrowth, Ascend 50 ft., over SE.slope.

- 12.00 Point. of spur, slopes N. 70° E. Desc. 85 ft., over NE.slope.
- 20.00 Gulch, course E. Ascend 120 ft., over S.slope.
- 29.70 Rim of mesa, brs.E. and W. Thence over nearly level top of mesa, bearing N. and S.
- 40.00 Rim of mesa, brs.E. and W. Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground, to bed rock, supported in a mound of stone, for $\frac{1}{4}$ sec.cor., marked on brass cap,

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

from which,

- A pine, 6 ins. in diam., brs.S. 80° E., 23 lks. dist., marked $\frac{1}{4}$ S 15 BT.
- A pine, 8 ins. in diam., brs.S. $25\frac{1}{2}^\circ$ W., 18 lks. dist., marked $\frac{1}{4}$ S 16 BT.

Leave nearly level top of mesa. Descend 77 ft. over N.slope.

- 49.85 Gully, course N. 60° E. Ascend 68 ft., over SE.slope, to
- 60.00 Rim of mesa, brs.NE. and SW. Thence across nearly level top of mesa.
- 65.00 Rim of mesa, brs.E. and W. Leave top of mesa. Desc. 45 ft. over N.slope.
- 70.20 Gully, course NE. Descend 40 ft., over NE.slope.
- 78.00 Ascend 20 ft., over SE.slope, to
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 8 ins. in the ground to bed rock, supported in a mound of stone, for cor. of secs. 9, 10, 15 and 16, marked on brass cap,

30 Part of Subdivision lines of Township 31 North, Range 8 West.

Chains.

T31N	R8 W
S 9	S10
S16	S15
1920	

from which,

A pine, 8 ins. in diam., brs. N. 46 1/2° E., 33 lks. dist., marked T31N R8W S10 BT.

A pine, 8 ins. in diam., brs. S. 24 1/2° E., 54 lks. dist., marked T31N R8W S15 BT.

A pine, 7 ins. in diam., brs. S. 71 1/2° W., 29 lks. dist., marked T31N R8W S16 BT.

A pine, 8 ins. in diam., brs. N. 60 1/2° W., 40 lks. dist., marked T31N R8W S9 BT.

Land, mountainous.

Soil, rocky, yellow clay, 4th rate.

Timber, dense pine and cedar.

Undergrowth, scattering scrub cedar and chamisal.

No grass.

40.00 N. 89° 47' E., on a random line, bet. secs. 10 and 15. Set temp. 1/4 sec. cor.

80.10 Fall 19 lks. N. of the cor. of secs. 10, 11, 14 and 15. Thence,

S. 89° 55' W., on a true line, bet. secs. 10 and 15.

Over mountainous land, thru. scattering timber and undergrowth.

Descend 320 ft., over W. slope.

10.30 Bottom of ravine, course S. 20° E. Asc. 66 ft. over E. slope.

12.00 Spur, slopes SE. Desc. 200 ft., over SW. slope.

18.00 Bottom of ravine, course SE. Ascend 355 ft., over NE. slope.

37.00 Rim of bench, brs. NW. and SE. Thence over nearly level land on bench, bearing NW. and S.

40.05 Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in the ground, to bed rock, deposited stone, marked with a cross (x) at base of post, and raise mound of stone around post for 1/4 sec. cor., marked on brass cap,

1/4	S 10
	S 15
	1920

67.35 Leave bench, and ascend 360 ft., over E. slope.

Spur, slopes N. 50° E. Desc. 25 ft., over NW. slope.

74.00 Gully, course N. 45° E. Asc. 75 ft., over SE. slope, to

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

Land, mountainous.

Soil, rocky clay, 4th rate.

Timber, scattering pine and cedar.

Undergrowth, scattering chamisal, sage brush and manzanita.

No grass.

N. 0° 02' W., bet. secs. 9 and 10.

Over mountainous land, thru. dense timber and scattering undergrowth. Ascend 42 ft., over SE. slope.

6.25 Rim of mesa, brs. NW. and SW. Desc. 50 ft., over NE. slope.

11.00 Gulch, course NE. Ascend 113 ft., over SE. slope.

22.85 Spur, slopes N. 60° E. Descend 65 ft., over N. slope.

27.60 Gulch, course N. 60° E. Ascend 60 ft., over SE. slope.

37.10 Descend 30 ft., over NE. 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,

S 9	S10
1920	

Part of Subdivision lines of Township 31 North, Range 8 West, 31

Chains.

from which,
 A pine, 6 ins. in diam., brs. S. 70 $\frac{1}{2}$ ° E., 48 lks.
 dist., marked $\frac{1}{4}$ S 10 BT.
 A pine, 7 ins. in diam., brs. S. 77° W., 45 lks.
 dist., marked $\frac{1}{4}$ S 9 BT.

- 49.00 Descend 145 ft., over N. slope.
- 60.65 Gulch, course N. 60° E. Asc. 55 ft. over SE. slope.
- 70.00 Spur, slopes NE. Desc. 72 ft. over NE. slope.
- 80.00 Ascend 40 ft., over SE. slope, to Point of spur, sloping E. Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in the ground to bed rock, supported in a mound of stone, for cor. of secs. 3, 4, 9 and 10, marked on brass cap,

T31N	R8 W
S 4	S 3
S 9	S 10
1920	

from which,
 A pine, 6 ins. in diam., brs. N. 40° E., 13 lks.
 dist., marked T31N R8W S3 BT.
 A cedar, 12 ins. in diam., brs. S. 50 $\frac{1}{2}$ ° E., 51 lks.
 dist., marked T31N R8W S10 BT.
 A pine, 8 ins. in diam., brs. S. 56° W., 46 lks.
 dist., marked T31N R8W S9 BT.
 A pine, 6 ins. in diam., brs. N. 31° W., 65 lks.
 dist., marked T31N R8W S4 BT.

Land, mountainous.
 Soil, rocky, yellow clay, 4th rate.
 Timber, dense pine and cedar.
 Undergrowth, scattering scrub cedar and chamisal.
 No grass.

- 40.00 N. 89° 55' E., on a random line, bet. secs. 3 and 10. Set temp. $\frac{1}{4}$ sec. cor.
- 80.00 Fall 26 lks. S. of the cor. of secs. 2, 3, 10 and 11. Thence, S. 89° 44' W., on a true line, bet. secs. 3 and 10. Over rolling land, thru. dense timber and scattering undergrowth.
- 36.50 Ascend 80 ft., over rolling SE. slope. Ridge, brs. SE. and NW. Desc. 15 ft., over rolling SW. slope, to
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bed rock, supported in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 3
S 10
1920

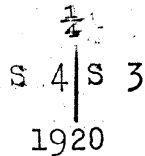
from which,
 A pine, 12 ins. in diam., brs. S. 57 $\frac{1}{2}$ ° E., 27 lks.
 dist., marked $\frac{1}{4}$ S 10 BT.
 A pine, 12 ins. in diam., brs. N. 46 $\frac{1}{2}$ ° W., 27 lks.
 dist., marked $\frac{1}{4}$ S 3 BT.

- 44.30 Continue over rolling land. Desc. 15 ft., over SW. slope, to Rim, brs. NW. and SE. Leave rolling, and enter mountainous land. Desc. 265 ft., over SW. slope.
- 60.30 Bottom, of ravine, course S. 45° E. Asc. 185 ft., over SE. slope, to
- 80.00 The cor. of secs. 3, 4, 9 and 10. Land, rolling and mountainous. Soil, gravelly and rocky yellow clay, 3rd and 4th rate. Timber, dense pine and cedar. Undergrowth, scattering chamisal and scrub cedar. No grass.

32. Part of Subdivision lines of Township 31 North, Range 8 West.

Chains.

- N.0°06'W., on a random line, bet. secs.3 and 4.
- 40.00 Set temp. $\frac{1}{4}$ sec.cor.
- 80.38 Fall 16 lks.E. of the cor.of secs.3,4,33 and 34, on N.bdy. of Tp., hereinbefore described.
- Thence,
- S.0°13'E., on a true line, bet. secs.3 and 4.
- Over rolling land, thru. scattering timber and undergrowth, along rolling E.slope, descending slightly to
- 30.40 Spur, slopes SE. Leave rolling, and enter mountainous land. Desc. 150 ft., over SW.slope, to
- 40.38 Set an iron post, 3 ft.long, 1 in. in diam., 12 ins. in the ground, to bed rock, supported in a mound of stone, for $\frac{1}{4}$ sec.cor., marked on brass cap,



from which,

- A cedar, 4 ins. in diam., brs. N.39 $\frac{1}{2}$ °E., 15 lks. dist., marked $\frac{1}{4}$ S 3 BT.
- A pine, 12 ins. in diam., brs. S.22 $\frac{1}{2}$ °W., 120 lks. dist., marked $\frac{1}{4}$ S 4 BT.

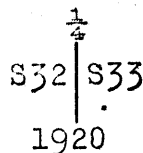
- Descend 200 ft., over SW.slope.
- 57.00 Bottom of ravine, course S.20°E. Asc. 75 ft., over NE.slope.
- 72.00 Spur, slopes SE. Desc. 55 ft., over SW.slope.
- 76.10 Gulch, course NE. from NW. Asc. 90 ft., over N.slope, to
- 80.38 The cor. of secs. 3, 4, 9 and 10.
- Land, rolling and mountainous.
- Soil, rocky, 4th rate.
- Timber, scattering pine and cedar.
- Undergrowth, scattering scrub cedar and sage brush.
- No grass.

From the cor. of secs. 4, 5, 32 and 33, on S. bdy, of Tp., described in Book "C,"

N.0°03'W., bet. secs. 32 and 33.

Over mountainous land, thru. dense timber and undergrowth, along rolling E. slope from spur, sloping N.

- Ascend 53 ft. to
- 2.72 Descend slightly to
- 7.70 Ascend 30 ft., to
- 14.70 Descend 30 ft. to
- 25.00 Spur, slopes N.10°E. Descend 60 ft. over NW.slope, to
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in the ground to bed rock, supported in a mound of stone, for $\frac{1}{4}$ sec.cor., marked on brass cap,



from which,

- A pine, 8 ins. in diam., brs. S.77 $\frac{1}{2}$ °E., 14 lks. dist., marked $\frac{1}{4}$ S 33 BT.
- A cedar, 12 ins. in diam., brs. S.72°W., 49 lks. dist., marked $\frac{1}{4}$ S 32 BT.

- Descend 120 ft., over N.slope.
- 49.00 Gulch, course NE. Asc. 30 ft., over SE.slope.
- 53.80 Descend 160 ft., over N.slope.
- 70.30 Bottom of ravine, course S.70°E. Asc. 184 ft., over S. slope, to
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 10 ins. in the ground to bed rock, supported in a mound of stone, for cor. of secs. 28, 29, 32 and 33, marked on

Part of Subdivision lines of Township 31 North Range 8 West. 33

Chains.

brass cap,

T31N	R8 W
S29	S28
S32	S33
1920	

from which,

- A pine, 6 ins. in diam., brs. N. 28° E., 33 lks. dist., marked T31N R8W S28 BT.
- A pine, 8 ins. in diam., brs. S. 26° E., 61 lks. dist., marked T31N R8W S33 BT.
- A pine, 8 ins. in diam., brs. S. 67 1/4° W., 98 lks. dist., marked T31N R8W S32 BT.
- A pine, 10 ins. in diam., brs. N. 17 1/2° W., 39 lks. dist., marked T31N R8W S29 BT.

Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, dense pine and cedar.
 Undergrowth, dense chamisal, scrub oak and sagebrush.
 No grass.

- 40.00 N. 89° 53' E., on a random line, bet. secs. 28 and 33. Set temp. 1/4 sec. cor.
- 79.92 Fall 10 lks. S. of the cor. of secs. 27, 28, 33 and 34. Thence, S. 89° 49' W., on a true line, bet. secs. 28 and 33. Over level land, thru. dense timber and scattering undergrowth on top of mesa, bearing NW. and SE.
- 7.10 Road, brs. S. 80° E. and N. 80° W.
- 20.00 Rim of mesa, brs. NW. and SE. Leave level, and enter mountainous land. Desc. 200 ft., over SW. slope, to
- 39.96 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to bed rock, supported in a mould of stone, for 1/4 sec. cor., marked on brass cap,

1/4 S 28
S 33
1920

from which,

- A pine, 5 ins. in diam., brs. N. 5 1/4° E., 30 lks. dist., marked 1/4 S 28 BT.
- A pine, 5 ins. in diam., brs. S. 51 1/2° E., 16 lks. dist., marked 1/4 S 33 BT.

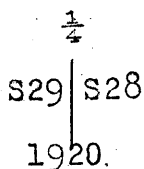
- 50.00 Descend 80 ft., over SW. slope.
- 55.00 Ascend 46 ft., over SE. slope, to
- 55.00 Thence over S. slope, with slight change in elevation.
- 69.80 Descend 105 ft., over SW. slope.
- 75.50 Bottom of ravine, course S. Asc. 160 ft., over SE. slope, to
- 79.92 The cor. of secs. 28, 29, 32 and 33. Land, E. 20 chs. level; remainder, mountainous. Soil, rocky, 4th rate. Timber, dense pine and cedar. Undergrowth, scattering scrub oak, chamisal, and sagebrush. No grass.

- N. 0° 03' W., bet. secs. 28 and 29. Over mountainous land, thru. dense timber and scattering undergrowth. Ascend 100 ft., over SE. slope.
- 6.30 Descend 153 ft., over NE. slope.
- 17.00 Bottom of ravine, course S. 20° E. Ascend 280 ft., over S. slope, to
- 34.70 Rim of mesa, brs. E. and W. Thence over level top of mesa.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in

31. Part of Subdivision lines of Township 31 North, Range 8 West.

Chains.

the ground to bed rock, supported in a mound of stone for $\frac{1}{4}$ sec.cor., marked on brass cap,

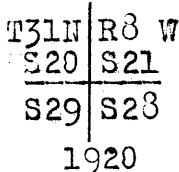


from which,

- A cedar, 10 ins. in diam., brs. S. $75\frac{1}{2}^\circ$ E., 44 lks. dist., marked $\frac{1}{4}$ S 28 BT.
- A cedar, 10 ins. in diam., brs. S. $52\frac{1}{2}^\circ$ W., 43 lks. dist., marked $\frac{1}{4}$ S 29 BT.

Continue over level top of mesa.

- 55.00 Rim of mesa, brs. SE. and W. Leave level top of mesa. Desc. 60 ft., over NE. slope.
- 63.65 Gulch, course NW. Asc. 50 ft., over SW. slope.
- 72.70 Descend 92 ft., over NW. slope.
- 77.20 Bottom of ravine, course NE. Asc. 50 ft., over SE. slope, to
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 20, 21, 28 and 29, marked on brass cap,



from which,

- A cedar, 8 ins. in diam., brs. N. $65\frac{1}{2}^\circ$ E., 20 lks. dist., marked T31N R8W S21 BT.
- A pine, 10 ins. in diam., brs. S. $58\frac{1}{2}^\circ$ E., 16 lks. dist., marked T31N R8W S28 BT.
- A pine, 8 ins. in diam., brs. S. $55\frac{1}{2}^\circ$ W., 10 lks. dist., marked T31N R8W S29 BT.
- A cedar, 12 ins. in diam., brs. N. $52\frac{1}{2}^\circ$ W., 25 lks. dist., marked T31N R8W S20 BT.

Land, mountainous and level.

Soil, rocky clay, 4th rate.

Timber, dense pine and cedar.

Undergrowth scattering chamisal, scrub oak, manzanita and sage brush.

No grass.

- 40.00 N. $89^\circ 49'$ E., on a random line, bet. secs. 21 and 28. Set temp. $\frac{1}{4}$ sec.cor.

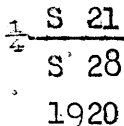
- 79.96 Intersect the cor. of secs. 21, 22, 27 and 28.

Thence,

S. $89^\circ 49'$ W., on a true line, bet. secs. 21 and 28.

Over mountainous land, thru. dense timber and scattering undergrowth. Descend 35 ft., over W. slope.

- 2.40 Gulch, course N. Ascend 90 ft., over E. slope.
- 9.70 Spur, slopes N. Descend 30 ft., over W. slope.
- 19.00 Gulch, course N. Ascend 20 ft., over NE. slope.
- 25.00 Descend 50 ft., over NW. slope.
- 30.00 Ascend 80 ft., over E. slope.
- 38.00 Spur, slopes N. Descend 25 ft., over NW. slope, to
- 39.98 Set an iron post, 3 ft. long, 1 in. in diam., 16 ins. in the ground to bed rock, supported in a mound of stone for $\frac{1}{4}$ sec.cor., marked on brass cap,



from which,

- A pine, 10 ins. in diam., brs. S. $16\frac{1}{2}^\circ$ E., 38 lks. dist., marked $\frac{1}{4}$ S 28 BT.

Part of Subdivision lines of Township 31 North, Range 8 West. 35

Chains.

A, pine, 10 ins. in diam., brs. N. 62 1/4° W., 48 lks.
 dist., marked 1/4 S 21 BT.
 Descend 10 ft., over NW slope.
 42.00 Ascend 15 ft., over E. slope.
 45.00 Spur, slopes N. 39° E. Desc. 40 ft., over NW slope.
 48.00 Gulch, course N. 20° E. Asc. 56 ft., over E. slope.
 52.10 Road, brs. N. and S.
 57.00 Spur, slopes N. 20° E. Desc. 70 ft., over NW slope.
 73.00 Bottom of ravine, course N. 20° E. Asc. 110 ft., over SE slope,
 to
 79.96 The cor. of secs. 20, 21, 28 and 29.
 Land, mountainous. Soil, rocky, 4th rate.
 Timber, dense pine and cedar.
 Undergrowth, scattering chamisal, scrub oak, manzanita and
 sage brush. No grass.

N. 0° 03' W., bet. secs. 20 and 21.
 Over mountainous land, thru. scattering timber and under-
 growth; asc. 25 ft., over SE slope.
 3.80 Spur, slopes NE. Desc. 105 ft., over N. slope.
 11.40 Gulch, course E. near head. Asc. 145 ft., along E. slope.
 29.80 Spur, from SW. forks to NE. and SE. Desc. 65 ft., over NW
 slope, to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the
 ground to bed rock, supported in a mound of stone, for
 1/4 sec. cor., marked on brass cap,

S 20 | S 21
 1920

from which,

A cedar, 4 ins. in diam., brs. S. 59 1/2° E., 99 lks.
 dist., marked 1/4 S 21 BT.
 A pine, 5 ins. in diam., brs. N. 62 3/4° W., 41 lks.
 dist., marked 1/4 S 20 BT.
 Descend 110 ft., over NW slope.
 46.30 Gulch, course N. 25° E. Asc. 75 ft., over SE slope.
 59.00 Spur, slopes NE. Desc. 85 ft. over NW slope, to
 64.00 East or left upper rim of the Colorado River canyon, brs.
 NE. and SW. Leave timber. Desc. 450 ft., over steep NW
 slope.
 78.50 Bottom of ravine, course NE. Asc. 20 ft., over SE slope, to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 10 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 cor. of secs. 16, 17, 20 and 21, marked
 on brass cap,

T31N | R8W
 S17 | S16
 S20 | S21
 1920

Land, mountainous. Soil, rocky, yellow clay, 4th rate.
 Timber, scattering cedar and pine in S. 64 chs. None in N. 16
 chs.
 Undergrowth, scattering scrub cedar & chamisal. No grass.

N. 89° 49' E., on a random line, bet. secs. 16 and 21.
 40.00 Set temp. 1/2 sec. cor.
 79.92 Fall 5 lks. S. of the cor. of secs. 15, 16, 21 and 22.
 Thence, S. 89° 47' W., on a true line, bet. secs. 16 and 21.
 Over mountainous land, thru. scattering burnt timber and
 live undergrowth. Asc. 35 ft., over SE slope.
 5.00 Descend 60 ft., over SW slope.
 14.00 Gulch, course SE. Ascend 50 ft., over E. slope.
 25.00 Rim of mesa, brs. N. and S. Thence over nearly level land on
 top of mesa, bearing N. and S.
 30.00 Leave burnt timber, and continue thru. scattering live
 undergrowth.
 39.96 Rim of mesa, brs. N. and S., and left upper rim of the Color-
 ado river canyon. Set an iron post, 3 ft. long, 1 in. in
 diam., 26 ins. in the ground, for 1/4 sec. cor., marked on

36 Part of Subdivision lines of Township 31 North, Range 8 West.

Chains.	
	brass cap, $\frac{1}{2} \begin{array}{c} S 16 \\ S 21 \\ 1920 \end{array}$
	and raise mound of stone, 3 ft. base, 2½ ft. high, N. of cor. Leave nearly level top of mesa, and enter mountainous land. Descend 590 ft., over steep NW. slope.
43.00	Platform for loading ore, brs. S. 6 chs. dist.
49.00	Trail, brs. SE. and NW.
58.40	Bottom of lateral canyon, course NW. Asc. 325 ft. over NE. slope.
70.40	Spur, slopes N. Desc. 160 ft., over W. slope.
78.00	Bottom of ravine, course N. from SW. Asc. 25 ft., over SE. slope, to
79.92	The cor. of secs. 16, 17, 20 and 21. Land, E. 25 chs. and W. 40 chs. mountainous; remainder, nearly level. Soil, rocky clay, 4th rate. Timber, scattering burnt pine and cedar in E. 30 chs. No timber in W. 50 chs. Undergrowth, scattering chamisal, manzanita, sage brush and scrub oak. No grass.
	----- N. 9° 03' W., between secs. 16 and 17. Over mountainous land, thru. dense undergrowth. Asc. 150 ft., over SE. slope.
8.60	Left upper rim of the Colorado River canyon, brs. NE. and SW. Descend 115 ft., over NE. slope, to
17.83	Same rim brs. NW. and SE. Desc. 500 ft., over steep broken NE. slope to ¼ sec. cor.
26.40	Perpendicular cliff, 40 ft. high, brs. SE. & NW. facing NE.
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in ground to bed rock; deposit a stone mkd. with cross (x) at base of post, and raise mound of stone around post, for ¼ sec. cor., marked on brass cap, $\frac{1}{4} \begin{array}{c} S 17 S 16 \\ 1920 \end{array}$
48.14	Desc. 80 ft., over NE. slope. Bottom of lateral canyon, 20 lks. wide, course NW. Asc. gradually over rolling and broken W. slope, on left upper wall of the Colorado River canyon. Enter scattering timber.
66.06	Trail, brs. S. 20° E. and N. 20° W.
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., on surface rock, supported in mound of stone, for cor. of secs. 8, 9, 16 and 17, marked on brass cap, $\begin{array}{c} T 31 N R 8 W \\ S 8 S 9 \\ S 17 S 16 \\ 1920 \end{array}$
	from which, A pine, 12 ins. in diam., brs. N. 20¼° E., 51 lks. dist., marked T31N R8W S9 BT. A pine, 12 ins. in diam., brs. S. 61½° E., 100 lks. dist., marked T31N R8W S16 BT. A pine, 4 ins. in diam., brs. S. 25° W., 21 lks. dist., marked T31N R8W S17 BT. A cedar, 10 ins. in diam., brs. N. 38½° W., 33 lks. dist., marked T31N R8W S8 BT.
	Land, mountainous. Soil, rocky clay, 4th rate. Timber, scattering pine & cedar in N. 32 chs. None in S. 40 chs. Undergrowth, dense chamisal, scrub oak, manzanita and sage brush. No grass.
	----- N. 89° 47' E., on a random line, bet. secs. 9 and 16.
40.00	Set temp. ¼ sec. cor.
80.02	Fall 28 lks. N. of the cor. of secs. 9, 10, 15 and 16. Thence, S. 89° 59' W., on a true line, bet. secs. 9 and 16. Over mountainous land, thru. dense timber and scattering undergrowth. Asc. 30 ft., over SE. slope, to
4.30	Rim of mesa, brs. NE. and SW. Leave mountainous, and enter nearly level land on top of mesa, bearing N. and S. Ascend very gradually over E. slope.

Chains.

40.01 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bed rock, supported in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 9
S 16
1920

from which,

A pine, 8 ins. in diam., brs. S. 29° W., 30 lks. dist., marked $\frac{1}{4}$ S 16 BT.

A pine, 6 ins. in diam., brs. N. 5° W., 44 lks. dist., marked $\frac{1}{4}$ S 9 BT.

Thence over rolling land on top of mesa. Ascend 34 ft., over E. slope.

49.80 Descend 20 ft., over W. slope, to

52.00 Left upper rim of the Colorado River canyon, brs. N. and S. Leave rolling land and timber, and enter mountainous land. Desc. 740 ft., over W. slope, to sec. cor.

54.00 Perpendicular cliff, about 100 ft. high, brs. S. and NW., facing W.

80.02 The cor. of secs. 8, 9, 16 and 17.

Land, E. $4\frac{1}{2}$ chs. and W. 28 chs., mountainous; remainder, nearly level and rolling.

Soil, rocky clay, 4th rate.

Timber, pine and cedar, dense in E. 52 chs.; scattering in W. 28 chs.

Undergrowth, scattering chamisal, manzanita and sagebrush. No grass.

N. 0° 3' W., bet. secs. 8 and 9.

Over mountainous land, thru. scattering timber and undergrowth, along left upper wall of the Colorado River canyon.

The sec. line passes over faces of cliffs and otherwise broken surface, which renders chaining of measurement thereon impracticable; therefore, the measurement of the entire line is obtained by a combination of offset and traverse as described as follows, and as shown on the diagram hereon:

From cor. of secs. 8, 9, 16 and 17, West, 6.00 chs. on offset line.

Thence,

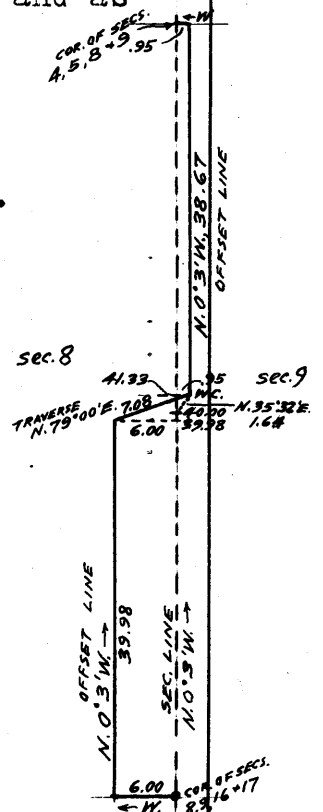
N. 0° 3' W., 39.98 chs. on offset line to a point in sec. 8, which is 6.00 chs.

W. of 39.98 ch. station on the sec. line, bet. secs. 8 and 9.

It is impracticable to reach the true point for $\frac{1}{4}$ sec. cor., or a point on sec. line in close proximity thereto; therefore, traverse to the nearest accessible point where a witness cor. to the $\frac{1}{4}$ sec. cor. can be established as follows:

N. 79° 00' E., 7.08 chs. to a point in sec. 9, the position of which is determined by computation to be N. 35° 32' E., 1.64 chs. dist. from true point for $\frac{1}{4}$ sec. cor. or 0.95 chs. E. from 41.33 ch. station on the sec. line.

Establish witness cor. to the $\frac{1}{4}$ sec. cor. at this point, as hereinafter described, and continue the measurement of the sec. line as follows:



38 Part of Subdivision lines of Township 31 North, Range 8 West.

Chains.

From the witness cor. to $\frac{1}{4}$ sec. cor.
N. $0^{\circ}3'W.$, 38.67 chs. on offset line in sec. 9 to a point
0.95 chs. E. of 80.00 ch. point on sec.
line, bet. secs. 8 and 9.

Thence,
West, 0.95 chs., on offset line to the true point for
cor. of secs. 4, 5, 8 and 9, and monument
said sec. cor. as hereinafter described.

The approximate positions of the topographical features
on the line bet. secs. 8 and 9, and approximate differ-
ences in elevation between same, are described as fol-
lows:

- 6.65 From cor. of secs. 8, 9, 16 and 17,
Ascend 60 ft., over SW. slope.
- 14.25 Spur, slopes NW. Descend 70 ft., over NW. slope.
Gulch, course NW. Ascend 600 ft., over SW. face of cliffs,
bearing NW. and SE.
- 26.00 Top of cliffs, thence along W. slope, with slight change
in elevation; to
- 32.00 Top of same cliffs, brs. E. and SW. Descend 400 ft. over
N. face of same.
- 36.00 Gulch, course W. Ascend 250 ft., over SW. slope, to
- 40.00 True point for $\frac{1}{4}$ sec. cor. falls on precipitous SW. slope,
and is inaccessible; therefore, at a point 1.64 chs.
N. $35^{\circ}32'E.$ herefrom, located by offset and traverse,
as hereinbefore described, establish a witness cor. to
the $\frac{1}{4}$ sec. cor. as follows:
Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in
the ground to bed rock, supported in a mound of stone,
for witness cor. to the $\frac{1}{4}$ sec. cor. of secs. 8 and 9,
marked on brass cap,

$\frac{1}{4}$
S 8 | S 9
W | C
1920

from which,

A pine, 12 ins. in diam., brs. S. $86^{\circ}E.$, 170 lks.

dist., marked $\frac{1}{4}$ S 9 WC BT.

A pine, 10 ins. in diam., brs. N. $18\frac{1}{2}^{\circ}W.$, 46 lks.

dist., marked $\frac{1}{4}$ S 8 WC BT.

This witness cor. is at top of cliffs, bearing NW. and
SE. facing SW. slope, over N. slope.

From true point for $\frac{1}{4}$ sec. cor., ascend 150 ft., over SW.
face of cliff to

- 42.50 Spur, slopes NW., and top of cliffs bearing NW. and SE. Desc.
35 ft., over N. slope.

46.70 Gulch, course NW. Ascend 30 ft., over SW. slope.

51.25 Spur, slopes NW. and top of cliffs, bearing E. and W., fac-
ing N. Desc. 600 ft., over steep rocky N. slope, to

79.30 Gulch, course NW. Ascend slightly over W. slope, to

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 8 ins. in
the ground to bed rock, supported in a mound of stone,
for cor. of secs. 4, 5, 8 and 9, marked on brass cap,

T31N R8 W
S 5 | S 4
S 8 | S 9

1920

from which,

A pine, 14 ins. in diam., brs. S. $35^{\circ}E.$, 290 lks.

dist., marked T31N R8W S9 BT.

A pine, 10 ins. in diam., brs. S. $23^{\circ}W.$, 113 lks.

dist., marked T31N R8W S8 BT.

A pine, 4 ins. in diam., brs. N. $40^{\circ}W.$, 68 lks.

dist., marked T31N R8W S5 BT.

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

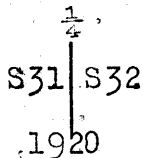
Part of Subdivision lines of Township 31 North, Range 8 West. 39

Chains.	
	<p>Land, mountainous. Soil, rocky, 4th rate. Timber, scattering pine and cedar. Undergrowth, scattering sage brush. No grass.</p>
-----	-----
40.00	N. 89° 59' E., on a random line, bet. secs. 4 and 9. Set temp. $\frac{1}{4}$ sec. cor.
79.96	Fall 9 lks. S. of the cor. of secs. 3, 4, 9 and 10. Thence, S. 89° 55' W., on a true line, bet. secs. 4 and 9. Over mountainous land, thru. dense timber and scattering undergrowth.
23.00	Ascend 90 ft., over NE. and N. slopes, to Gulch, course NE. Ascend 190 ft., over E. slope.
37.50	Ridge, brs. SE. and N. Descend 25 ft., over W. slope, to
39.98	Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to bed rock, supported in a mound of stone for $\frac{1}{4}$ sec. cor., marked on brass cap,
	$\begin{array}{c} \frac{1}{4} \text{ S } .4 \\ \hline \text{S } 9 \\ 1920 \end{array}$
	from which;
	A pine, 6 ins. in diam., brs. S. 16° E., 24 lks. dist., marked $\frac{1}{4}$ S 9 BT.
	A pine, 5 ins. in diam., brs. N. 6° W., 25 lks. dist., marked $\frac{1}{4}$ S 4 BT.
42.00	Descend 25 ft., over W. slope, to top of cliff. Leave dense, and enter scattering timber.
42.30	Top of cliff, about 150 ft. high, bearing N. and S. facing W., and forming left upper rim of the Colorado River canyon. Desc. 980 ft., over steep broken W. slope, to
79.96	The cor. of secs. 4, 5, 8 and 9. Land, mountainous. Soil, rocky yellow clay, 4th rate. Timber, cedar and pine, dense in E. 42 chs., scattering in W. 38 chs. Undergrowth, scattering chamisal and sagebrush; No grass.
-----	-----
7.00	N. 0° 03' W., on a true line, bet. secs. 4 and 5 (S. $\frac{1}{4}$). Over mountainous land, thru. scattering timber and under- growth. Desc. 20 ft., over W. slope, to
32.00	Gulch, course S 80° W. Asc. 306 ft., over SW. slope. Spur, slopes S. 70° W. Leave timber.
40.00	Descend 200 ft., over NW. slope, to Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to bed rock, supported in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,
	$\begin{array}{c} \frac{1}{4} \\ \hline \text{S } 5 \text{ S } 4 \\ 1920 \end{array}$
	and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
	About 15 chs. N. of this cor., the section line intersects a series of perpendicular cliffs on the left upper wall, of the Colorado River canyon, rendering continu- ation of survey impracticable.
	Land, mountainous. Soil, rocky, red clay, 4th rate. Timber, scattering cedar & pine in S. 32 chs. None, elsewhere. Undergrowth, scattering chamisal, scrub oak and sagebrush. No grass.
-----	-----

Part of Subdivision lines of Township 31 North Range 8 West.

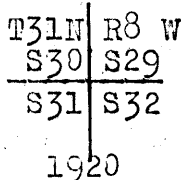
Chains.

From the cor. of secs. 5, 6, 31 and 32, on S. bdy. of Tp., described in Book "C,"
 N. 0° 03' W., bet. secs. 31 and 32.
 Over mountainous land, thru. dense timber and undergrowth.
 Ascend 30 ft., over E. slope, to
 5.00 Thence along E. slope, descending slightly to
 12.80 Spur, slopes NE. Desc. 55 ft., over NW. slope.
 21.80 Gulch, course NE. Ascend 50 ft. over SE. slope.
 27.10 Spur, slopes NE. Descend 110 ft., over NW. slope.
 36.40 Gulch, course N. 50° E. Ascend 65 ft., over SE. slope, to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in
 the ground, to bed rock, supported in a mound of stone,
 for $\frac{1}{4}$ sec. cor., marked on brass cap,



from which,
 A cedar, 6 ins. in diam., brs. N. 62° E., 71 lks.
 dist., marked $\frac{1}{4}$ S 32 BT.
 A pine, 6 ins. in diam., brs. N. 45° W., 41 lks.
 dist., marked $\frac{1}{4}$ S 31 BT.

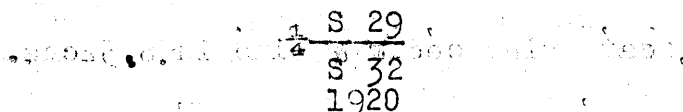
Ascend 30 ft., over SE. slope.
 43.40 Spur, slopes NE. Desc. 50 ft., over NW. slope.
 48.50 Gulch, course N. 70° E. Ascend 300 ft., over SE. slope, to
 69.10 Spur, slopes N. 80° E. Leave dense, and enter scattering
 timber. Descend slightly along E. slope of short
 spur near top.
 79.00 Spur, slopes N. 5° E. Descend slightly over NW. slope, to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in
 the ground, supported in a mound of stone, for cor. of
 secs. 29, 30, 31 and 32, marked on brass cap,



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

Land, mountainous.
 Soil, light rocky clay, 4th. rate.
 Timber, pine, cedar and oak, dense and scattering.
 Undergrowth, dense scrub cedar, chamisal, manzanita and
 scrub oak.
 No grass.

N. 89° 53' E., on a random line, bet. secs. 29 and 32.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.00 Fall 6 lks. S. of the cor. of secs. 28, 29, 32 and 33.
 Thence,
 S. 89° 50' W., on a true line, bet. secs. 29 and 32.
 Over mountainous land, thru. dense timber and scattering
 undergrowth. Asc. 86 ft., over SE. slope.
 11.00 Point of spur, sloping S. Desc. 100 ft., over SW. slope.
 20.00 Bottom of ravine, course S. from NW. Asc. 235 ft., over
 NE. slope, to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in
 the ground to bed rock, supported in a mound of stone,
 for $\frac{1}{4}$ sec. cor., marked on brass cap,



from which,

Part of Subdivision lines of Township 31 North, Range 8 West. 41

Chains.

A cedar, 14 ins. in diam., brs. N. 71 $\frac{1}{2}$ ° E., 64 lks. dist., marked $\frac{1}{4}$ S 29 BT.
 A cedar, 10 ins. in diam., brs. S. 32° E., 40 lks. dist., marked $\frac{1}{4}$ S 32 BT.
 Thence along N. slope, with little change in elevation.
 45.00 Descend 235 ft., over NW. slope.
 65.00 Bottom of ravine, course NE. Leave dense, and enter scattering timber. Asc. 280 ft., over E. slope.
 73.00 Spur, slopes NE. Desc. slightly over NW. slope, to
 80.00 The cor. of secs. 29, 30, 31 and 32.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, pine and cedar, dense and scattering.
 Undergrowth, scattering sagebrush and manzanita.
 No grass.

S. 89° 53' W., on a random line, bet. secs. 30 and 31.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.50 Fall 8 lks. S. of the cor. of secs. 30, 31, and 36 on W. bdy. of Tp., hereinbefore described.
 Thence,
 N. 89° 56' E., on a true line, bet. secs. 30 and 31.
 Over nearly level land, thru. dense timber and undergrowth, on top of spur, sloping E.
 6.45 N. edge of top of spur, brs. NW. and SE. Leave nearly level land and top of spur, and enter mountainous land. Desc. 165 ft., over NE. slope.
 19.20 Bottom of ravine, 20 lks. wide, course S. 80° E. Asc. 25 ft. over SW. slope.
 23.50 Point of spur, sloping S. Desc. 80 ft., over SE. slope.
 33.30 Bottom of ravine, course NE. Asc. 35 ft., over NW. slope.
 35.30 Spur, slopes NE. Desc. 56 ft., over E. slope.
 39.00 Gulch, course NE. Ascend 12 ft., over NW. slope, to
 39.50 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 30
 S 31
 1920

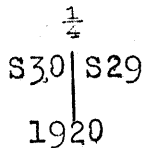
from which,
 A pine, 6 ins. in diam., brs. N. 67 $\frac{1}{2}$ ° E., 79 lks. dist., marked $\frac{1}{4}$ S 30 BT.
 A pine, 6 ins. in diam., brs. S. 30 $\frac{1}{2}$ ° E., 66 lks. dist., marked $\frac{1}{4}$ S 31 BT.
 Ascend 70 ft., over NW. slope.
 53.40 Point of spur, sloping N. Desc. 80 ft., over E. slope.
 57.60 Gulch, course N. Asc. 65 ft., over W. slope.
 63.70 Spur, slopes N. Desc. 135 ft., over E. slope.
 73.20 Bottom of ravine, 20 lks. wide, course NE. Leave dense, and enter scattering timber. Asc. 92 ft., over NW. slope, to
 79.50 The cor. of secs. 29, 30, 31 and 32.
 Land, W. 6 $\frac{1}{2}$ chs. nearly level; remainder, mountainous.
 Soil, rocky clay, 4th rate.
 Timber, pine and cedar, dense and scattering.
 Undergrowth, dense chamisal, scrub oak, manzanita and sage brush.
 No grass.

N. 0° 03' W., bet. secs. 29 and 30.
 Over mountainous land, thru. scattering timber and dense undergrowth.
 Descend 220 ft., over NW. slope.
 8.60 Bottom of ravine, 80 lks. wide, course E. Leave scattering and enter dense timber. Asc. 225 ft., over SW. slope, to
 21.70 Thence along W. slope, ascending 70 ft., to

42 Part of Subdivision lines of Township 31 North, Range 8 West.

Chains.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground to bed rock, supported in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,



from which,

A pine, 5 ins. in diam., brs. N. 62° W., 17 lks. dist. marked $\frac{1}{4}$ S 30 BT.

A cedar, 8 ins. in diam., brs. S. 62° E., 32 lks. dist., marked $\frac{1}{4}$ S 29 BT.

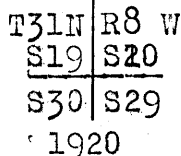
Ascend 40 ft., over SW. slope.

50.00 Spur, slopes SE. Descend 70 ft., over NE. slope.

66.20 Gulch, course NE. Ascend 30 ft., over SE. slope.

70.00 Spur, slopes NE. Descend 50 ft., over N. slope, to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in the ground, to bed rock, supported in a mound of stone, for cor. of secs. 19, 20, 29 and 30, marked on brass cap,



from which,

A pine, 6 ins. in diam., brs. N. 29° E., 62 lks. dist., marked T31N R8W S20 BT.

A pine, 6 ins. in diam., brs. S. 37 $\frac{1}{2}$ ° E., 93 lks. dist., marked T31N R8W S29 BT.

A pine, 4 ins. in diam., brs. S. 60° W., 39 lks. dist., marked T31N R8W S30 BT.

A cedar, 8 ins. in diam., brs. N. 39° W., 32 lks. dist., marked T31N R8W S19 BT.

Land, mountainous.

Soil, rocky yellow clay, 4th rate.

Timber, pine and cedar, scattering in south $3\frac{1}{2}$ chs.; dense elsewhere.

Undergrowth, dense chamisal, scrub oak, manzanita and sage brush.

No grass.

40.00 N. 89° 50' E., on a random line, bet. secs. 20 and 29. Set temp. $\frac{1}{4}$ sec. cor.

79.98 Fall 14 lks. S. of the cor. of secs. 20, 21, 28 and 29. Thence,

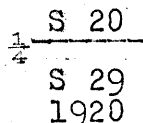
S. 89° 44' W., on a true line, bet. secs. 20 and 29.

Over mountainous land, thru. dense timber and scattering undergrowth. Asc. 50 ft., over SE. slope.

9.00 Spur, slopes NE. Desc. 70 ft., over NW. slope.

21.50 Gulch, course NE. Leave dense, and enter scattering timber. Asc. 130 ft., over E. slope, to

39.99 Set an iron post, 3 ft. long, 1 in. in diam., 8 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 for $\frac{1}{4}$ sec. cor., marked on brass cap,



Ascend 35 ft., over E. slope.

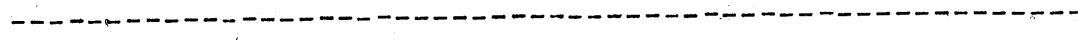
48.80 Spur, slopes NE. Thence along N. slope of same. Leave scattering, and enter dense timber. Descend 60 ft.

63.75 Ascend 60 ft. to

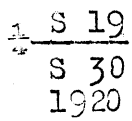
Part of the Subdivision lines of Township 31 North Range 8 West. 43

Chains.

79.98 The cor. of secs. 19, 20, 29 and 30.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, pine and cedar, scattering and dense.
 Undergrowth, scattering chamisal, scrub oak and sage brush.
 No grass.

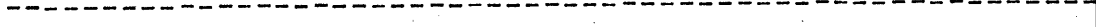


40.00 S. 89°56' W., on a random line, bet. secs. 19 and 30.
 Set temp. 1/4 sec. cor.
 79.40 Fall 14 lks. S. of the cor. of secs. 19 and 30, on W. bdy. of Tp., hereinbefore described.
 Thence,
 S. 89°58' E., on a true line, bet. secs. 19 and 30.
 Over nearly level land, thru. dense undergrowth, on bench bearing N. and S. Desc. 25 ft., over E. slope.
 11.30 Gully, course N. 30° E. Asc. 15 ft., over N. slope, to
 17.70 Rim of bench, brs. NW. and SE. Leave nearly level land and bench, and enter mountainous land and dense timber.
 Descend 135 ft., over NE. slope.
 35.30 Gulch, course SE. Ascend 20 ft., over SW. slope, to
 39.40 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to bed rock, supported in a mound of stone for 1/4 sec. cor., marked on brass cap,

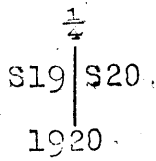


from which,
 A pine, 8 ins. in diam., brs. N. 60° E., 28 lks. dist., marked 1/4 S 19 BT.
 A cedar, 6 ins. in diam., brs. S. 27 1/2° E., 15 lks. dist., marked 1/4 S 30 BT.

Descend 75 ft., over SE. slope.
 44.00 Same gulch, course NE. Asc. 40 ft., over NW. slope.
 54.00 Descend 40 ft., over NE. slope.
 60.00 Gulch, course N. Ascend 20 ft., over NW. slope.
 70.00 Descend 20 ft., over NE. slope.
 73.30 Gulch, course N. Ascend 25 ft., over NW. slope, to
 79.40 The cor. of secs. 19, 20, 29 and 30.
 Land, W. 17 1/2 chs. nearly level; remainder, mountainous.
 Soil, rocky clay, 4th rate.
 Timber, dense pine and cedar in E. 62 chs. None in W. 17 1/2 chs.
 Undergrowth, dense chamisal, scrub oak, manzanita and sage brush.
 No grass.



N. 0°03' W., bet. secs. 19 and 20.
 Over mountainous land, thru. dense timber and scattering undergrowth. Desc. 60 ft., over N. slope.
 12.00 Gulch, course NE. Leave mountainous, and enter rolling land.
 Ascend 30 ft., over SE. slope, to
 24.30 Thence over E. slope, with slight change in elevation.
 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 cedar, 4 ins. in diam., brs. N. 22 1/2° E., 20 lks. dist., marked 1/4 S 20 BT.
 A pine, 10 ins. in diam., brs. S. 57 1/2° W., 26 lks. dist., marked 1/4 S 19 BT.

Part of Subdivision lines of Township 31 North, Range 8 West.

Chains.	Continue over rolling land, along E. slope, with slight change in elevation.								
50.00	Descend 20 ft., over NE. slope, to								
53.00	Left upper rim of the Colorado River Canyon, brs. NW. and SE. Leave rolling, and enter mountainous land. Descend 60 ft., over NE. slope.								
57.00	Bottom of lateral canyon, course NW. Asc. 180 ft., over SW. slope, to								
69.25	Left upper rim of the Colorado River Canyon, brs. NW. and SE. Leave mountainous, and enter rolling land on bench. Ascend 55 ft., over SW. slope, to								
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 10 ins. in the ground, to bed rock, supported in a mound of stone, for cor. of secs. 17, 18, 19 and 20, marked on brass cap,								
	<table border="0"> <tr> <td>T31N</td> <td>R8W</td> </tr> <tr> <td>S18</td> <td>S17</td> </tr> <tr> <td>S19</td> <td>S20</td> </tr> <tr> <td colspan="2" style="text-align: center;">1920</td> </tr> </table>	T31N	R8W	S18	S17	S19	S20	1920	
T31N	R8W								
S18	S17								
S19	S20								
1920									
	from which,								
	A cedar, 7 ins. in diam., brs. N. $34\frac{1}{2}^{\circ}$ E., 29 lks. dist., marked T31N R8W S17 BT.								
	A cedar, 7 ins. in diam., brs. S. $19\frac{1}{2}^{\circ}$ E., 15 lks. dist., marked T31N R8W S20 BT.								
	A pine, 12 ins. in diam., brs. S. 16° W., 33 lks. dist., marked T31N R8W S19 BT.								
	A pine, 8 ins. in diam., brs. N. 79° W., 45 lks. dist., marked T31N R8W S18 BT.								
	Land, mountainous and rolling.								
	Soil, rocky, 4th rate.								
	Timber, dense pine and cedar.								
	Undergrowth, scattering chamisal, scrub oak and sagebrush.								
	No grass.								

40.00	N. $89^{\circ}44'$ E., on a random line, bet. secs. 17 and 20.								
80.00	Set temp. $\frac{1}{4}$ sec. cor.								
	Fall 9 lks. N. of the cor. of secs. 16, 17, 20 and 21.								
	Thence,								
	S. $89^{\circ}48'$ W., on a true line, bet. secs. 17 and 20.								
	Over mountainous land, thru. dense timber and undergrowth.								
	Ascend 507 ft., over steep E. slope, to								
16.83	Left upper rim of Colorado River Canyon, brs. NE. and SW. Leave mountainous, and enter rolling land on bench. Asc. 130 ft., over NE. slope, to								
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in the ground to bed rock, supported in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,								
	<table border="0"> <tr> <td>S 17</td> </tr> <tr> <td>S 20</td> </tr> <tr> <td>1920</td> </tr> </table>	S 17	S 20	1920					
S 17									
S 20									
1920									
	from which,								
	A pine, 5 ins. in diam., brs. N. $19\frac{1}{2}^{\circ}$ W., 28 lks. dist., marked $\frac{1}{4}$ S 17 BT.								
	A pine, 7 ins. in diam., brs. S. $18\frac{1}{2}^{\circ}$ W., 51 lks. dist., marked $\frac{1}{4}$ S 20 BT.								
	Continue over rolling land on bench. Asc. 80 ft., over NE. slope.								
60.50	Descend 65 ft., over SW. slope, to								
80.00	The cor. of secs. 17, 18, 19 and 20.								
	Land, E. 17 chs. mountainous, remainder rolling.								
	Soil, rocky, 4th rate.								
	Timber, dense pine and cedar.								
	Undergrowth, dense chamisal, sagebrush and manzanita.								
	No grass.								

chains.

N. 89° 58' W., on a random line, bet. secs. 18 and 19.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.34 Fall 16 lks. N. of the cor. of secs. 18 and 19, on W. bdy. of Tp., hereinbefore described.
 Thence,
 N. 89° 55' E., on a true line, bet. secs. 18 and 19.
 Over nearly level land, thru. scattering undergrowth on bench. Desc. slightly over SE. slope, to
 30.00 Rim of bench, brs. N. and S. Leave nearly level land and bench, and enter rolling land and scattering timber.
 Descend 90 ft., over E. slope, to
 39.34 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bed rock, supported in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 18
 S 19
 1920

from which,
 A cedar, 6 ins. in diam., brs. N. 44 $\frac{1}{2}$ ° W., 105 lks. dist., marked $\frac{1}{4}$ S 18 BT.
 A cedar, 8 ins. in diam., brs. S. 63° W., 100 lks. dist., marked $\frac{1}{4}$ S 19 BT.
 Continue over rolling land, thru. scattering timber and undergrowth. Descend 92 ft., over E. slope, to
 56.50 Left upper rim of the Colorado River canyon, brs. N. and S. Leave rolling, and enter mountainous land. Desc. 252 ft., over steep E. slope.
 65.70 Bottom of lateral canyon, course N. Ascend 250 ft., over steep W. slope, to
 75.00 Left upper rim, of the Colorado River Canyon, brs. N. and SE. Leave mountainous land, scattering timber and undergrowth and enter rolling land, dense timber and undergrowth on bench. Asc. 20 ft., over SW. slope, to
 79.34 The cor. of secs. 17, 18, 19 and 20.
 Land, nearly level, rolling and mountainous.
 Soil, rocky clay, 4th rate.
 Timber, pine and cedar, scattering and dense. No timber in W. 30 chs.
 Undergrowth, chamisal, manzanita, scrub oak and sagebrush, scattering and dense.
 No grass.

N. 0° 03' W., bet. secs. 17 and 18.
 Over rolling land, thru. dense timber and undergrowth on bench. Asc. 52 ft., over SW. slope, to
 10.00 Thence along W. slope, descending 30 ft., to
 30.00 Descend 100 ft., over NW. slope, to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 16 ins. in the ground to bed rock, supported in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$
 S 18 | S 17
 1920

from which,
 A pine, 5 ins. in diam., brs. N. 42° E., 6 lks. dist., marked $\frac{1}{4}$ S 17 BT.
 A pine, 15 ins. in diam., brs. S. 51° W., 35 lks. dist., marked $\frac{1}{4}$ S 18 BT.
 Continue over rolling land, thru. dense timber and undergrowth, on bench. Descend 142 ft., over NW. slope to rim of canyon.
 41.00 Small spring in cave, brs. N. 55 $\frac{1}{2}$ ° W.
 57.50 Same spring brs. N. 73° 40' W.
 63.50 Left upper rim of Colorado River Canyon, brs. E. and W.

16 Part of Subdivision lines of Township 31 North, Range 8 West.

Chains.

80.00

Leave rolling land, dense timber and undergrowth, and enter mountainous land, scattering timber and undergrowth. Descend 905 ft., over precipitous N. slope, to Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 7, 8, 17 and 18, marked on brass cap,

T31N	R8 W
S 7	S 8
S18	S17

1920

from which,

A pine, 8 ins. in diam., brs. N. 30° E., 17 lks. dist., marked T31N R8W S8 BT.

A pine, 7 ins. in diam., brs. S. 45° W., 37 lks. dist., marked T31N R8W S18 BT.

and raise a mound of stone, 2½ ft. base, 1½ ft. high, W. of cor.

Land, rolling and mountainous.

Soil, rocky, 4th rate.

Timber, pine and cedar, dense and scattering.

Undergrowth, manzanita, sagebrush and chamisal, dense and scattering. No grass.

40.00

N. 89° 48' E., on a random line, bet. secs. 8 and 17.

Set temp. ¼ sec. cor.

80.00

Fall 5 lks. N. of the cor. of secs. 8, 9, 16 and 17.

Thence, ¼ sec. cor.

40.00

S. 89° 50' W., on a true line, bet. secs. 8 and 17.

Over mountainous land, thru. scattering timber and dense undergrowth, on the left upper wall of the Colorado River canyon.

Descend 240 ft.; over W. slope.

16.00

Trail, brs. N. and S.

26.50

Bottom of lateral canyon, course NW. Asc. 200 ft., over NE. slope, to

40.00

Mark a cross (x) on surface rock at exact cor. point, and over cross set an iron post 3 ft. long, 1 in. in diam. supported in a mound of stone, for ¼ sec. cor., marked on brass cap,

¼ S	8
S 17	
	1920

45.00

Ascend 85 ft., over NE. slope, to

80.00

Thence over rough broken N. slope, ascending 660 ft., to The cor. of secs. 7, 8, 17 and 18.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, scattering pine and cedar.

Undergrowth, dense sage brush.

No grass.

40.00

S. 89° 55' W., on a random line, bet. secs. 7 and 18.

Set temp. ¼ sec. cor.

79.26

Fall 10 lks. E. of the cor. of secs. 7 and 18, on W. bdy. of Tp., hereinbefore described.

Thence,

N. 89° 51' E., on a true line, bet. secs. 7 and 18.

Over rolling land, thru. scattering timber and undergrowth, on broad bench, bearing NE. and SW. between the left upper and lower walls of the Colorado River Canyon.

24.25

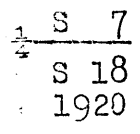
Ascend 95 ft., over NW. slope, to

Gully, course N. 80° W.; asc. 75 ft., over W. slope, to

Part of Subdivision lines of Township 31 North Range 8 West. 47

Chains.

39.26 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,



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

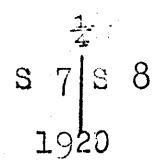
65.25 Continue over rolling land, thru. scattering timber and undergrowth on bench. Asc. 240 ft., over W. slope, to Foot of left upper wall of Colorado River Canyon, brs. N. and S. Leave rolling land and bench, and enter mountainous land on the left upper wall of the Colorado River Canyon. Asc. 343 ft., over NW. slope, to

79.26 The cor. of secs. 7, 8, 17 and 18. Land, rolling and mountainous. Soil, rocky, 4th rate. Timber, scattering pine and cedar. Undergrowth, scattering sage brush and cactus. No grass.

N. 0° 03' W., bet. secs. 7 and 8. Over mountainous land, thru. scattering timber and undergrowth, on the left upper wall of the Colorado River Canyon. Desc. 665 ft., over steep N. slope, to

37.00 Gulch, course N. 20° E. at foot of left upper wall of Colorado River Canyon. Leave mountainous, and enter rolling land on broad bench, bearing NE. and SW. between the left upper and lower walls of the canyon. Descend 35 ft., over NE. slope, to

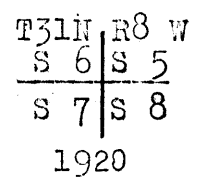
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground, supported in a mound of stone, for 1/4 sec. cor., marked on brass cap,



from which,
A pine, 6 ins. in diam., brs. S. 49° E., 232 lks. dist., marked 1/4 S 8 BT.
A cedar, 5 ins. in diam., brs. N. 42° W., 47 lks. dist., marked 1/4 S 7 BT.

79.50 Continue over rolling land, thru. scattering timber and undergrowth. Desc. 125 ft., over NE. slope, to sec. cor. Trail; brs. S. 20° E. and N. 20° W.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 8 ins. in the ground to bed rock, supported in a mound of stone, for cor. of secs. 5, 6, 7 and 8, marked on brass cap,



from which,
A pine, 10 ins. in diam., brs. N. 57 1/2° E., 60 lks. dist., marked T31N R8W S5 BT.
A pine, 10 ins. in diam., brs. S. 16° E., 110 lks. dist., marked T31N R8W S8 BT.
and raise a mound of stone, 2 1/2 ft. base, 2 ft. high, W. of cor.

Land, mountainous and rolling. Soil, rocky, 4th rate. Timber, scattering pine and cedar.

48 Part of Subdivision lines of Township 31 North, Range 8 West.

chains.

Undergrowth, scattering sage brush.
No grass.

40.00 N. 89° 50' E., on a random line, bet. secs. 5 and 8.
Set temp. $\frac{1}{4}$ sec. cor.
79.94 Intersect the cor. of secs. 4, 5, 8 and 9.
Thence,
S. 89° 50' W., on a true line, bet. secs. 5 and 8.
Over rolling land, thru. scattering timber and under-
growth.
.70 Gulch, course N. 70° W. at foot of left upper wall of
the Colorado River Canyon. Thence over rolling land
on bench between the left upper and lower walls of
the canyon. Descend 45 ft., over N. slope, to
19.70 Descend 30 ft., over W. slope.
23.80 Gulch, course N. 60° W. Descend 50 ft., over N. slope, to
39.97 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in
the ground to bed rock, supported in a mound of stone,
for $\frac{1}{4}$ sec. cor., marked on brass cap,

$$\begin{array}{r} \frac{1}{4} S \quad 5 \\ S \quad 8 \\ 1920 \end{array}$$

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

64.00 Descend 130 ft., over W. slope, to
Gulch, course N. Ascend 80 ft., over E. slope.
68.70 Descend 30 ft., over W. slope.
72.10 Gulch, course N. Ascend 20 ft., over NE. slope, to
79.94 The cor. of secs. 5, 6, 7 and 8.
Land, rolling.
Soil, red sandstone and yellow clay, 3rd and 4th rate.
Timber, scattering pine and cedar.
Undergrowth, scattering sage brush.
No grass.

40.00 S. 89° 51' W., on a random line, bet. secs. 6 and 7.
Set temp. $\frac{1}{4}$ sec. cor.
79.18 Fall 2 lks. N. of the cor. of secs. 6 and 7, on W. bdy. of Tp.,
hereinbefore described.
Thence,
N. 89° 50' E., on a true line, bet. secs. 6 and 7.
Over nearly level land, thru. scattering timber and dense
undergrowth, on broad bench between the left upper and
lower walls of the Colorado River Canyon.
Ascend slightly over NW. slope.
30.00 Descend 41 ft. over N. slope.
36.00 Ascend 30 ft., over NW. slope.
39.18 Set an iron post, 3 ft. long, 1 in. in diam., in a mound
of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$$\begin{array}{r} \frac{1}{4} S \quad 6 \\ S \quad 7 \\ 1920 \end{array}$$

from which,

A pine, 6 ins. in diam., brs. N. 30 $\frac{1}{2}$ ° E., 23 lks.
dist., marked $\frac{1}{4}$ S 6 BT.

A pine, 10 ins. in diam., brs. S. 42 $\frac{3}{4}$ ° E., 41 lks.
dist., marked $\frac{1}{4}$ S 7 BT.

Ascend slightly over NW. slope.
54.25 Thence over rolling N. slope, descending very gradually, to
79.18 The cor. of secs. 5, 6, 7 and 8.
Land, gently rolling.
Soil, gravelly and rocky, 3rd and 4th rate.
Timber, scattering pine and cedar.

Part of Subdivision lines of Township 31 North Range 8 West

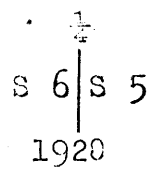
Chains.

Undergrowth, dense sagebrush, cactus and scrub oak.
No grass.

N.0°03'W., on a true line, bet. secs.5 and 6 (S.1/2).
Over rolling land, thru. scattering timber and undergrowth,
on bench between the left upper and lower walls of the
Colorado River Canyon; desc.110 ft., over N.slope, to

- 11.20
- 21.24
- 26.00
- 30.60
- 36.00
- 39.00
- 40.00

Leave timber.
Left lower rim of the Colorado River Canyon, brs.SE. and
NW. Desc.140 ft., over abrupt NE.slope.
Bottom of ravine, course N.30°W. Asc.120 ft., over SW.slope.
Left lower rim of the Colorado River canyon, brs.SE. and
NW. Thence over NW.slope, descending slightly to 1/4
sec.cor.
Two cabins of the Ridenour Mine, bear W. 15 chs.dist.
Tunnel and shaft bear W. about 10 chs.dist.
Left lower rim of the Colorado River canyon, brs.S.80°E.
and N.80°W. Set an iron post, 3 ft.long, 1 in. in
diam., on surface rock, supported in a mound of stone,
for 1/4 sec.cor., marked on brass cap,



and raise a mound of stone, 2 ft.base, 1 1/2 ft.high, W.
of cor.
Beyond this cor., the line passes over precipitous broken
slopes of the left lower wall of the Colorado River
canyon, rendering continuation of survey impracticable.
Land, rolling and broken.
Soil, red sandstone, 4th rate.
Timber, scattering pine and cedar in S.11 chs. None
elsewhere.

Undergrowth, scattering sage brush.
No grass.

The continued satisfactory adjustment of the solar appa-
ratus, throughout the survey of this township is
indicated from field tests, as described in Book "F."

Boundaries of that part of T.31 N., R.8 W. surveyed
under this Group.

Latitudes, departures, and closing errors.

Line designated.	True bearing.	Dist.	Latitudes,		Departures.	
			N.	S.	E.	W.
South boundary,	S.89°53'W.	479.54		479.98		479.54
West boundary,	North,	400.00	400.00			
Subdivisional boundary.	N.89°50'E.	159.12	.46		159.12	
	N.89°55'E.	79.96	.12		79.96	
	N.0°13'W.	80.38	80.38			.31
North boundary,	East,	240.00			240.00	
East boundary,	South,	480.00		480.00		
Convergency,					.49	
Totals,			480.96	480.98	479.57	479.85
				480.96		479.57
Error in latitude,			0.02			
Error in departure,					0.28	

GENERAL DESCRIPTION.

This township lies entirely within the Hualpai Indian Reservation on the south or left side of the Colorado River Canyon, the left upper rim of which passes thru. the NW. $\frac{1}{4}$ of the township. The unsurveyed portion falls on the left lower wall of the canyon, and is unsurveyable.

The surface is mostly mountainous, tho. there are scattered areas of rolling and nearly level land in all parts of the township. The greater part of the township is drained by Prospect Valley, course north, thru. the eastern part.

The soil is mostly rocky, 4th rate, with the exception of a narrow strip along the east boundary and some parts of the bottom of Prospect Valley, where there is a gravelly, 2nd and 3rd rate soil.

There are scattering small areas devoid of timber, but most of the township has either a scattering or dense growth of cedar and pine.

The undergrowth consisting of sage brush, chamisal, scrub cedar, manzanita, scrub oak and cactus is mostly scattering.

There is a fair growth of grass along the east bdy. and in parts of the bottom of Prospect Valley, but elsewhere there is none.

The only permanent running water is in a spring in sec.18.

A gypsum deposit in secs.1 and 2, and a mine in sec.6, known as the "Ridenour Mine" are the only indications of valuable mineral.

There are no settlers, and the only improvements consist of two cabins in sec.6 at the Ridenour Mine, a platform for loading ore in sec.21, and a fenced tract around the SE. cor. of the Tp.

A road and trail traverses the bottom of Prospect Valley, a trail extends from the Ridenour mine to the ore loading platform, and a road extends from the ore loading platform southeasterly to the bottom of Prospect Valley, in T.30 N., R. 8 W.

Chains.

Survey hereinafter described executed by Horace M. Muscott, U.S. Transitman, on date shown on diagram on page 2 hereof, using Young and Sons Transit No. 8489, described with record of preliminary field test on page 3 hereof.

From the cor. of secs. 30, 31 and 36 on E. bdy. of Tp., hereinbefore described,

West, on a true line, on N. bdy. of sec. 36 (E. $\frac{1}{2}$).

Over nearly level land, thru dense timber and undergrowth, on top of spur, sloping slightly to the east from the left upper rim of the Colorado River Canyon.

The N. edge of the top of this spur, brs. E. and W. at about 1.00 ch. N. of line.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 15 ins. in the ground to bed rock, supported in a mound of stone for $\frac{1}{4}$ sec. cor. of sec. 36 only, marked on brass cap,

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

1920

from which,

A cedar, 4 ins. in diam., brs. S. $34\frac{1}{2}^{\circ}$ E., 12 lks. dist., marked $\frac{1}{4}$ S 36 BT.

An oak, 4 ins. in diam., brs. S. 35° W., 23 lks. dist., marked $\frac{1}{4}$ S 36 BT.

About 5 chs. W. of this cor., the line intersects the left upper rim of the Colorado River canyon, bearing N. and S., beyond which steep descent over upper wall of canyon renders continuation of survey impracticable.

Land, nearly level.

Soil, rocky clay, 4th rate.

Timber, dense pine, cedar and oak.

Undergrowth, dense chamisal, scrub oak and sagebrush.

No grass.

The continued satisfactory adjustment of the solar apparatus during the survey of this township is indicated from field test described in Book "F."

GENERAL DESCRIPTION.

The east half of sec. 36 is the only regular subdivision which could be made in the portion of this township lying on the east or left side of the Colorado River canyon, as the positions of the other subdivisional corners in such portion of the township fall either on the left upper or lower walls of the canyon, and are inaccessible. The left lower rim of the canyon crosses the east boundary of the Tp. near the $\frac{1}{4}$ sec. cor. of sec. 6, T. 31 N., R. 8 W., and limited the survey of said bdy. to the south $5\frac{1}{2}$ miles thereof. The left upper rim of the canyon crosses the same Tp. bdy. at about the midpoint, and crosses the south bdy. of this Tp. near the $\frac{1}{4}$ sec. cor. of secs. 1 and 36, limiting the survey of the S. bdy. to the east 40 chs. of said line.

The Colorado River, course SW. enters the township near the NE. cor., and leaves near the SW. cor., and the greater part of the surface of this township falls in the canyon of this river, and is unsurveyable. Along the East bdy. there is a narrow strip of nearly level bench near the left upper rim of the canyon, and also along the left lower rim. The E. $\frac{1}{2}$ of sec. 36 is mountainous with the exception of a small nearly level area on top of a spur in the northern part, and the

drainage is easterly into Prospect Valley.
The soil is a rocky clay, 4th rate.
The timber, consisting of pine, cedar and oak is dense,
and the undergrowth consisting of chamisal, scrub oak,
manzanita and sagebrush is also dense.
There is no permanent running water except in the Color-
ado River.
There is no grass, evidence of valuable mineral, settlers,
improvements or roads in the surveyed portion of the
township.
This part of the township is entirely within the Hualpai
Indian Reservation.

FIELD ASSISTANTS.

to Francis R. Ihrie, U. S. Transitman

NAMES.	CAPACITY.
Ben Mollette,	1st chairman,
Lewis J. Spear, Jr.,	2nd chairman,
Ed. Mitchell,	cornerman,
Homer Pepper,	axman,
Walter Thomas,	flagman.

54
BOOK 3515

CERTIFICATE OF UNITED STATES TRANSITMAN

47

I, Francis R. Ihrie, U. S. Transitman, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Group 106, 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 31 North, Range 8 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 106, Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Place Mogery, Calif.
Date Aug 1, 1922

Francis R. Ihrie
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.

4-680

FIELD ASSISTANTS.

to Horace M. Mascott, U. S. Transitman

NAMES.	CAPACITY.
Robert R. Parsons,	1st chairman,
Frank Owen,	2nd chairman,
Manfred Owen,	cornerman,
Ross Dykes,	cornerman,
Ted Lizovich,	axman,
Sam Dysart,	flagman,

58)

BOOK - 3515

CERTIFICATE OF UNITED STATES TRANSITMAN.

I, Horace M. Muscott, U. S. Transitman, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 106, 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 North and West boundaries, and Subdivision lines of Township 31 North, Range 8 West, and the Subdivision lines of Township 31 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 106, Arizona,

and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Place Los Angeles, Calif.
Date July 11, 1922

(Signed) Horace M. Muscott
U. S. Transitman

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix Ariz., August 7, 1922.

The foregoing field notes of the survey of the East half of the North Boundary, the South 5 1/2 miles of the West Boundary, and of a portion of the Subdivision lines of Township 31 North, Range 8 West, and of a portion (1/8 mile) of the Subdivision lines of Township 31 North, Range 9 West, of the Gila and Salt River Base and Meridian, in the State of Arizona,

executed by Horace M. Muscott, and Francis R. Ihrle, U. S. Transitmen, under special instructions dated February 25, 1920 For Group 106 Ariz., having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

(Signature)
U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above described surveys in Book "3515" of Group 106, Arizona, has been correctly copied from the original notes on file in this office.

U. S. Surveyor General.