4—679

———

Book "H"

BOOK 3510

FIELD NOTES

OF THE SURVEY OF

part of the West boundary,

and part of the Subdivision lines of

Township 32 North, Range 7 West,

Of the __Gila and Salt River Base and__ _Meridian,_

In the State of __Arizona__

EXECUTED BY

Dupree R. Averill, U. S. Surveyor,

and

James C. O'Brien, U. S. Transitman,

In the capacity of U. S. Surveyor _s_, _under Special Instructions dated_ __February 24__, _19_20 ,

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

_No._ __105, Arizona__, _which were approved by the Commissioner of the General Land_

Office, __March 8__, _1920_ , _and Assignment Instructions dated_ __March 27__, _19_20

April 15, 1920

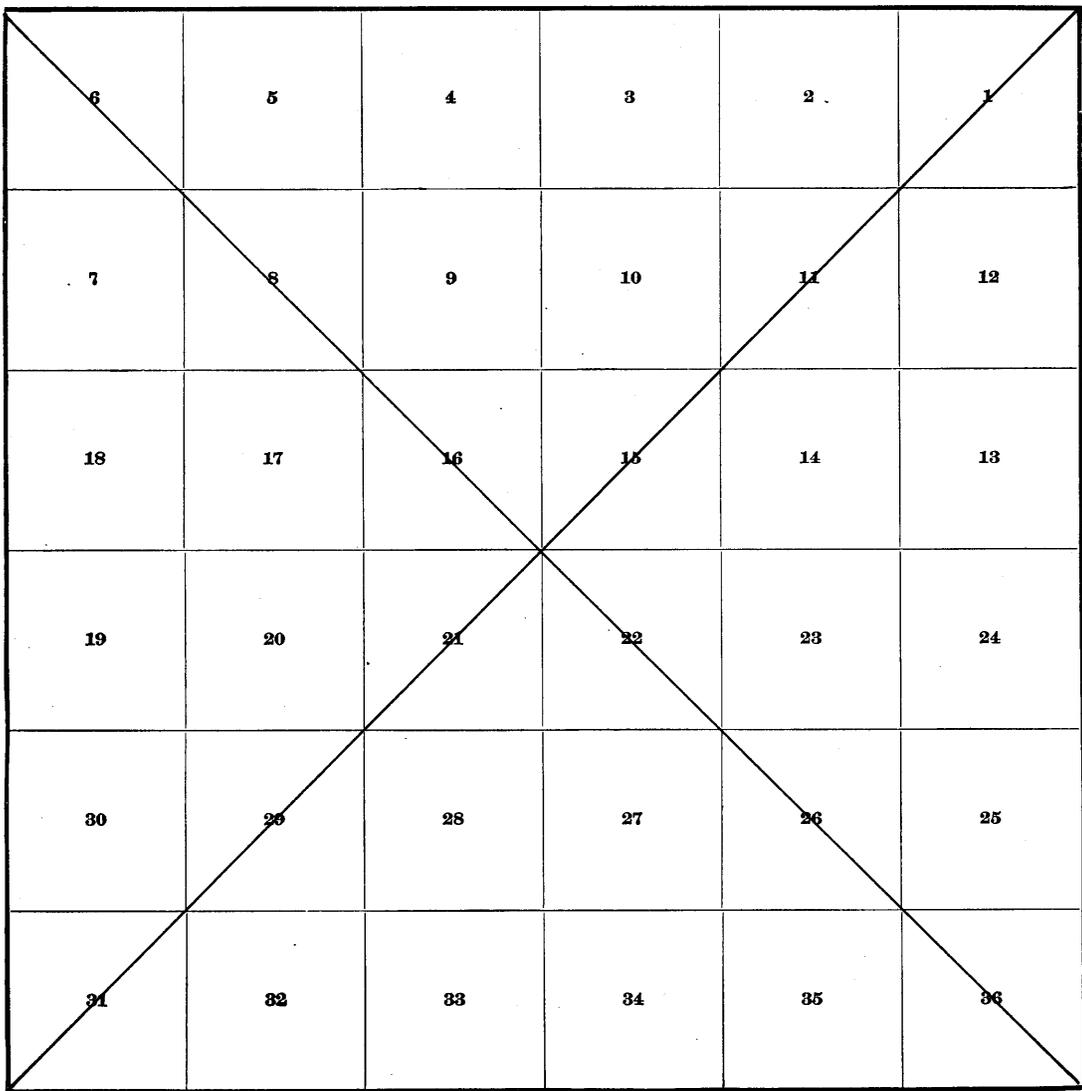_Survey commenced_ __August 2__, _19_20

Survey completed __September 3__, _19_20

6—151

3510

INDEX DIAGRAM.

Township ------------------------------- , *Range* -------------------------------

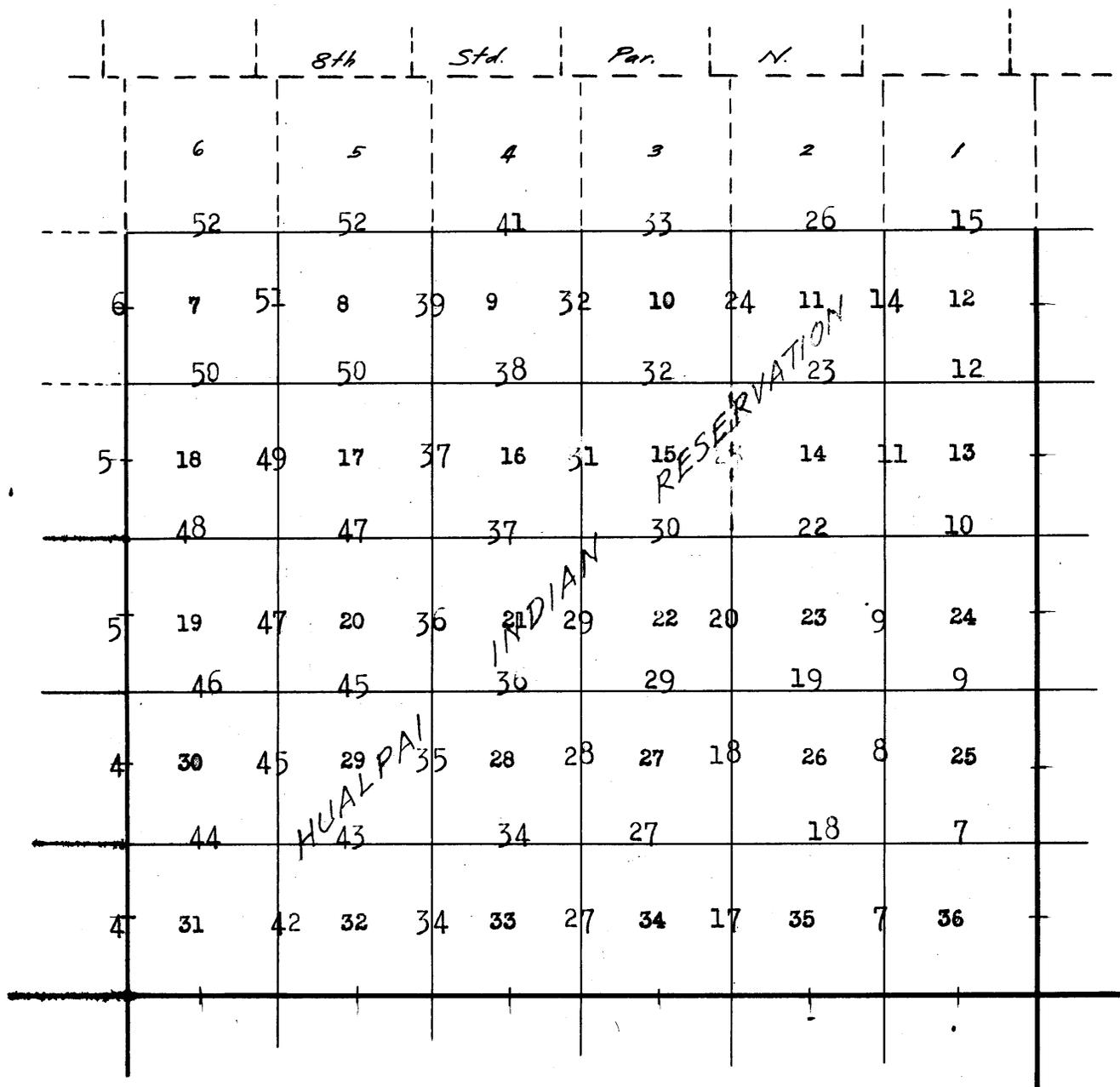| 6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

3510

Book "H"

INDEX DIAGRAM   BOOK 3510

TOWNSHIP 32 NORTH, RANGE 7 WEST

_____ Lines surveyed under this Group.

—————— Lines surveyed under current Group 106.

- - - - - - -   Lines unsurveyed.

2/2 2

BOOK "H"

DATE DIAGRAM

TOWNSHIP 32 NORTH, RANGE 7 WEST

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

See Book "F" for dates of execution of survey of this line.

See Book "G" for dates of execution of survey of this line.

Red lines on above diagram indicate surveys executed by Dupree R. Averill, U. S. Surveyor, on dates shown thereon.

Blue lines on above diagram indicate surveys executed by James C. O'Brien, U. S. Transitman, on dates shown thereon,

Surveys hereinafter described, executed on dates shown
on diagram on page 2 hereof, by Dupree R.Averill,U.S.
Surveyor, and James C.O'Brien,U.S.Transitman,using re-
spectively, Buff solar transit No.9223, and Young and
Sons mountain transit No.8541. Each instrument is
equipped with full vertical circle, and the Smith so-
lar attachment;unless otherwise specified all azimuth
determinations are accomplished with the solar at-
tachments.

- -

FIELD TESTS OF INSTRUMENTS.

August 1,1920.   We examine the adjustment of each in-
strument, 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:

In camp near SE. corner of sec.18,T.31 N.,R.7 W., Gila and
Salt River Base and Meridian, Arizona, in latitude,
36° 4'N., longitude,113°04'W., at 10h.55m. p.m.,l.m.t.,
observe Polaris at Eastern elongation, making four
observations, two each with the telescope in direct
and reversed positions, and mark the mean point in
the line thus determined, on a peg driven firmly in
the ground, 5 chs. N.

Azimuth of Polaris at eastern elongation = 1°23'20".

August 2, 1920: Lay off the azimuth of polaris 1°23' to
the west, and mark a point in the meridian thus de-
termined by a tack in a peg driven firmly in the
ground, 5 chs. N.

At 9h.00m.,a.m.,l.m.t.,   set off 36°04' on the lat.arc;
17°44½' 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 17°42½'N., which agrees with the computed
declination of the sun.

At 3h.00m. p.m.,l.m.t., with the lat.arc unchanged,set
off 17°41'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 solar work come within 1'
30" of the true meridian, We conclude that the adjust-
ments of the instruments are satisfactory.

- - - - - - - - - - - - - - - -

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

- - - - - - - - - - - - - -

Survey of part of West bdy. of Township 32 North, Range 7 West.

Chains.	
	From the cor.of Ts.31 and 32 N., Rs.7 and 8 W., described in Book "F,"
	North, on true line, bet. secs.31 and 36.
	Over nearly level land, thru. scattering timber and undergrowth. Descend slightly over W.slope on bench.
14.10	E. rim of Prospect Valley, brs.E.and W. Leave nearly level surface of bench, and enter mountainous land.
	Leave timber. Descend 205 ft. over N.slope.
23.60	Wash, 10 lks.wide, course NW. Leave mountainous,and enter gently rolling land in bottom of Prospect Valley.
	Descend 65 ft., over NW.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 ¼ sec.cor., marked on brass cap,

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

S36 | S31

1920

	and raise a mound of stone, 2 ft.base, 1½ ft.high,W. of cor.
	Continue over gently rolling land, thru. scattering undergrowth, in bottom of Prospect Valley. Descend 100 ft., over NW.slope,to
80.00	Set an iron post, 3 ft.long, 2 ins. in diam., 24 ins. in the ground for cor.of secs.25, 30,31 and 36, marked on brass cap,

T32N

R8W | R7W
S25 | S30
S36 | S31

1920

	and raise a mound of stone, 2 ft.base, 1½ ft.high,W.of cor.
	Land, nearly level, mountainous and gently rolling.
	Soil, sandy and gravelly loam, 2nd and 3rd rate.
	Timber, scattering cedar and pine in S. 14 chs. only.
	Undergrowth, scattering cactus and sage brush.
	Fair grass.

- -

	North, on true line, bet. secs.25 and 30.
	Over rolling land, thru. scattering undergrowth, in bottom of Prospect Valley.
0.85	Right bank of Main Wash, brs.NE. and SW. Thence across wash,course NE.,banks, 5 ft. high.
2.90	Left bank of Main wash, brs.NE. and SW. Leave wash,and descend very gradually over E.slope,to ¼ sec.cor.
29.50	Wash, 10 ft.deep, course E.
38.40	Gulch, 20 ft. deep, course E.
40.00	Set an iron post, 3 ft.long, 1 in. in diam., 24 ins. in the ground, for ¼ sec.cor., marked on brass cap,

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

S25 | S30

1920

	and raise a mound of stone, 2 ft.base, 1½ ft.high,W.of cor.
	Continue over rolling land, thru. scattering undergrowth, in bottom of Prospect Valley. Descend gradually over E.slope to sec.cor.
43.50	Wash,course E.
48.00	Gulch, 40 ft.deep, course E.
61.00	Gully 20 ft.deep, course E.
69.00	Gully 20 ft.deep, course E.

Chains.	
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. 19,24, 25 and 30, marked on brass cap,

```
              T32N
        R8  W | R7W
          S24 | S19
          S25 | S30
            1920
```

and raise a mound of stone, 2 ft. base, 1½ ft.high, W. of cor.
Land, rolling.
Soil,sandy and gravelly, 2nd and 3rd rate.
Timber, none.
Undergrowth, scattering sage brush, yucca, dogwood and cactus.
Fair grass.

- -

North, on a true line, bet. secs.19 and 24.
Over rolling land, thru. scattering undergrowth,in bottom of Prospect Valley. Desc. gradually over E.slope to ¼ sec.cor.

3.00	Gully,15 ft.deep,course E.
13.00	Gully,12 ft.deep, course E.
19.50	Gully,15 ft.deep, course E.
33.90	Gully, 20 ft. deep, course E.
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,

```
              ¼
          S24 | S19
            1920
```

and raise a mound of stone, 2 ft.base,1½ ft.high,W.of cor.
Continue over rolling land, thru.scattering undergrowth, in bottom of Prospect Valley. Desc.gradually over E. slope, to sec.cor.

49.50	Gully,20 ft. deep, course E.
51.50	Gully, 20 ft. deep, course E.
80.00	Set an iron post, 3 ft.long, 2 ins. in diam.,,26 ins.in the ground for cor.of secs.13,18,19 and 24, marked on brass cap,

```
              T32N
        R8W | R7W
         S13 | S18
         S24 | S19
           1920
```

and raise a mound of stone, 2 ft. base, 1½ ft.high,W. of cor.
Land, rolling.
Soil, sandy and gravelly, 2nd and 3rd rate.
Timber, none.
Undergrowth, scattering sage brush, yucca and cactus.
Fair grass.

- -

North, on true line, bet. secs.13 and 18.
Over nearly level land, thru. scattering undergrowth,in bottom of Prospect Valley. Descend very gradually over NE.slope to ¼ sec.cor.

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,

6.   Part of West bdy. of Township 32 North, Range 7 West.

Chains.	

S13 $\frac{1}{4}$ S18

1920

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

Continue over nearly level land, thru. scattering under-growth, in bottom of Prospect Valley. Desc. very gradually over NE.slope, to sec.cor.

80.00 Set an iron post, 3 ft.long, 2 ins. in diam., 26 ins.in the ground for cor.of secs. 7,12, 13 and 18, marked on brass cap,

T32N
R8W | R7W
S12 | S 7
S13 | S18

1920

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

Land, nearly level.
Soil, sandy loam, 1st rate.
Timber, none.
Undergrowth, scattering yucca and sage brush.
Good grass.

- -

North, on true line, bet. secs.7 and 12.

Over nearly level land, thru. scattering undergrowth, in bottom of Prospect Valley. Descend slightly to

0.50 Left bank of Main wash, brs. N.and S.20°E. Thence along bank, descending gradually to

15.00 Leave bank of main wash, brs.N.10° E. and S. Descend very gradually over NE.slope,to

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,

$\frac{1}{4}$
S12 | S 7

1920

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

Continue over nearly level land, thru. scattering under-growth, in bottom of Prospect Valley. Descend very gradually over NE.slope, to sec.cor.

60.00 Left bank of main wash, brs.N,30°E. and S.10°E.
79.50 Head of wash, course NE.
80.00 Set an iron post, 3 ft.long, 2 ins. in diam., 26 ins. in the ground for cor.of secs.1,6,7 and 12, marked on brass cap,

T32N
R8W | R7W
S 1 | S 6
S12 | S 7
1920

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

Land, nearly level.
Soil, sandy and gravelly, 2nd and 3rd rate.
Timber, none.
Undergrowth, scattering yucca and sagebrush.
Fair grass.

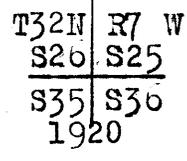- -

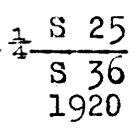| Chains.	
	From the cor.of secs.1,2, 35 and 36,on S. bdy.of Tp., described in Book "F,"
	N.0°01'W., bet. secs.35 and 36.
	Over broken and mountainous land, thru. scattering timber and undergrowth, in Mohawk Canyon.
	Descend 380 ft., over NW.slope, on E. wall of canyon.
28.00	Gulch, course NE. Ascend 40 ft.,over SE.slope.
33.50	Spur,slopes NE. Descend 55 ft., over N.slope.
38.40	Gulch, course NE. Ascend 25 ft.,over SE.slope,to
40.00	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,
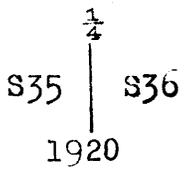
$$\frac{1}{4}$$

$$\text{S35} \mid \text{S36}$$

$$1920$$

	Continue over broken and mountainous land, thru. scattering timber and undergrowth, in Mohawk Canyon.
	Ascend 25 ft.,over SE.slope.
41.50	Spur,slopes NE. Descend 120 ft.,over NW.slope,to
63.70	Top of cliff, brs. W. and NE. facing N. Desc. 320 ft. to
71.46	Wash, in bottom of Mohawk Canyon, course NE. Asc. 75 ft. over SE.slope,on W.wall of Canyon,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. 25,26, 35 and 36,marked on brass cap,

$$\text{T32N} \mid \text{R7 W}$$
$$\text{S26} \mid \text{S25}$$
$$\text{S35} \mid \text{S36}$$
$$1920$$

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

	N.89°58'E., on a random line, bet. secs. 25 and 36.
40.00	Set temp.$\frac{1}{4}$ sec.cor.
79.88	Fall 2 lks.S. of the cor.of secs.25,30, 31 and 36,on E. bdy.of Tp., described in Book "G."
	Thence,
	S.89°57'W., on a true line, bet. secs.25 and 36.
	Over broken and mountainous land, thru. scattering timber and undergrowth, in Mohawk Canyon.
	Descend 630 ft.,over NW.slope,on E.wall of canyon.
30.20	Gulch, course NW. Asc. 35 ft.,over NE.slope.
31.90	Point of spur,slopes N. Desc.35 ft.,over NW.slope.
34.50	Gulch, course N. Asc. 75 ft., over E.slope,to
39.94	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,

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

|	from which,
	A pine, 8 ins. in diam.,brs.N.22$\frac{1}{2}$°E.,204 lks. dist., marked $\frac{1}{4}$ S 25 BT.
	A pine, 9 ins. in diam.,brs.S.13$\frac{1}{4}$°E.,182 lks. dist., marked $\frac{1}{4}$ S 36 BT.

8   Part of Subdivision lines of Township 32 North, Range 7 West.

Chains.	
	Continue over broken and mountainous land, thru. scattering undergrowth, on E. wall of Mohawk Canyon. Leave timber.
	Ascend 40 ft., over E.slope.
47.20	Spur, slopes N. Desc.112 ft., over W.slope,to
52.80	Top of cliff, brs. N. and SW. facing NW. Desc. 340 ft., over broken cliffs to
67.80	Gulch, course N. Asc. 30 ft., over E.slope.
70.00	Spur, slopes N. Desc. 50 ft., over W.slope.
74.20	Wash in bottom of Mohawk Canyon, course NE. Asc. 75 ft. over SE.slope, on W. wall of canyon, to
79.88	The cor.of secs.25,26, 35 and 36.
	Land, broken and mountainous.
	Soil, rocky, 4th rate.
	Timber, scattering cedar and pine in E.½ only.
	Undergrowth, scattering sage brush.
	No grass.

N.0°01'W., bet. secs. 25 and 26.
Over broken and mountainous land, thru. scattering timber and undergrowth, in Mohawk Canyon.
Ascend 280 ft. over SE.slope, on W. wall of canyon.

26.72	Spur, slopes E. Desc. 160 ft., over N.slope.
35.10	Gulch, course SE. Asc. 100 ft., over S.slope,to
40.00	Set an iron post, 3 ft.long, 1 in. 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 ¼ sec.cor., marked on brass cap,

¼

S26 | S25

1920
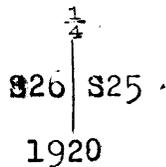
Continue over broken and mountainous land, thru. scattering timber and undergrowth in Mohawk Canyon.
Ascend 180 ft., over S.slope, on W.wall of canyon.

56.25	Spur, slopes NE. Desc. 260 ft., over N.slope.
65.10	Gulch, course NE. Asc.170 ft., over SE.slope, to
80.00	Set an iron post, 3 ft.long, 2 ins. in diam.,on surface rock, supported in a mound of stone, for cor.of secs. 23,24, 25 and 26, marked on brass cap,

T32N | R 7W
S23 | S24
S26 | S25
1920
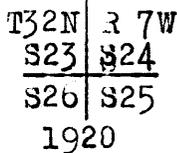
from which,
A pine, 7 ins. in diam., brs.N. 43½°E.,312 lks. dist., marked T32N R7W S24 BT.
A pine,32 ins. in diam.,brs.S.8¼°E.,69 lks. dist., marked T32N R7W S25 BT.
A pine,8 ins. in diam., brs.S.51°W.,130 lks. dist., marked T32N R7W S26 BT.
A pine,10 ins. in diam., brs.N. 80½°W.,192 lks. dist., marked T32N R7W S23 BT.

Land, broken and mountainous.
Soil, gravelly and rocky, 3rd and 4th rate.
Timber, scattering cedar and pine.
Undergrowth, scattering sage brush.
No grass.

Chains.	

N.89°57'E., on random line, bet. secs. 24 and 25.
The W.½ of the line passes over steep broken slopes on
the walls of the Mohawk Canyon, and chaining is imprac-
ticable; therefore, triangulate the measurement of a
portion of the random sec.line, as described as fol-
lows, and as shown on the diagram hereon:
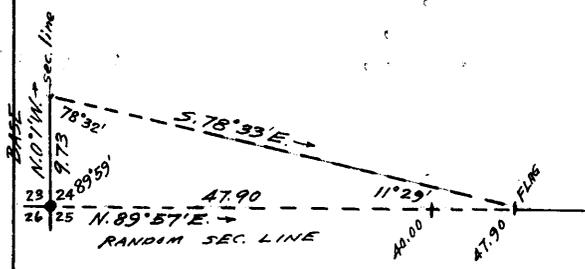
Set flag ahead on random
line at top of cliffs, on
E.wall of canyon.
From cor. of secs.23,24,25
and 26, measure a Base, N.
0°1'W., 9.73 chs. on sec.
line, bet. secs.23 and
24.
From N.end of Base, flag brs.
S.78°33'E.

Included angles are 78°32', 11°29' and 89°59', the sum of
which is 180°00'.
Triangulated dist.on random sec.line is obtained by

$$\frac{\text{sine } 78° 32' \text{ x Base}}{\text{sine } 11° 29'} \text{ or } \frac{.98004 \text{ x } 9.73}{.19908} = 47.90 \text{ chs.}$$

40.00 Point for temp. ¼ sec.cor. falls on face of cliffs,and is
inaccessible.

47.90 Triangulation point. This being the nearest accessible
point to ¼sec.cor.pt.,set temp.W.C. to ¼ sec. cor.
Continue line and measurement by chaining.

79.60 Fall 2 lks.N.of the cor. of secs.19, 24,25, and 30,on E.
bdy.of Tp., described in Book "G."
Thence,
S.89°58'W., on a true line, bet. secs.24 and 25.
Over broken and mountainous land, thru. scattering timber
and undergrowth,on E. wall of Mohawk Canyon.
Descend 100 ft.,over W. slope.

21.30 Gulch, course S.from NE.   Ascend 25 ft. over SE.slope.
26.27 Descend 15 ft.,over SW.slope,to
31.76 Triangulation point at top of cliffs, bearing N.10°E. and
S.10°W.facing W.
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 witness cor. to the ¼ sec.cor.,marked
on brass cap,

$$\text{WC}\frac{1}{4} \frac{\text{S 24}}{\begin{array}{c}\text{S.25}\\1920\end{array}}$$

Continue over broken and mountainous land, thru.scatter-
ing timber and undergrowth, in Mohawk Canyon.
Measurement to sec.cor. by triangulation, hereinbefore
described.
Descend about 500 ft.over cliffs to bottom of canyon.

39.83 Point for ¼ sec.cor. falls on face of cliffs,and is in-
accessible.

52.00 (Approx.) Wash, course N. in bottom of Mohawk Canyon.Asc.
over steep broken SE.slope on W.wall of canyon,to

79.60 The cor.of secs.23,24,25 and 26.
Land,broken and mountainous.
Soil,gravelly and rocky, 3rd and 4th rate.
Timber, scattering cedar and pine.
Undergrowth, scattering sage brush.
No grass.

N.0°01'W., bet. secs.23 and 24.
Over broken and mountainous land, thru.scattering timber
and undergrowth, on W.wall of canyon.
Ascend 23 ft., over SE.slope.

9.73 Spur,slopes NE. Desc.140 ft.,over N.slope.

Chains.	
16.30	Gulch, course NE. Ascend 70 ft., over SE.slope.
21.05	Point of spur, slopes E. Desc. 30 ft., over N.slope, to
22.30	Top of cliff, brs.SE. and NW. facing NE. Descend 200 ft. to
26.20	Gulch, course NE. Ascend 180 ft., over SE.slope.
33.30	Spur, slopes NE. Descend 205 ft., over N.slope, to
40.00	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 ¼ sec.cor., marked on brass cap,

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

S23 | S24

1920

Beyond this cor., the sec.line passes over a deep ravine
   the sides of which are broken by precipitous cliffs.
Chain measurement is impracticable; therefore, triangulate
   measurement across the ravine, as described as fol-
   lows, and as shown on the diagram hereon:
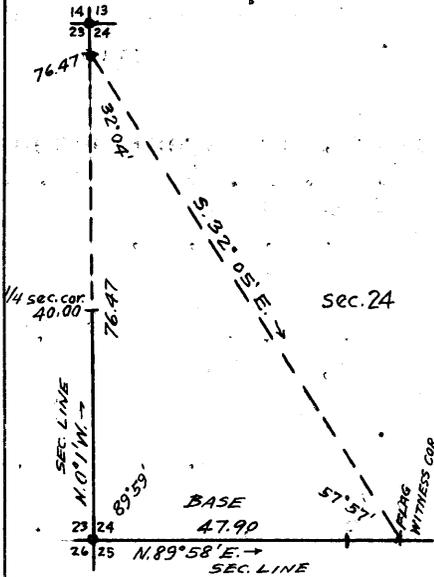
From a point ahead on sec.line
   at top of cliffs on N.side
   of ravine, a flag on the
   witness cor.to ¼ sec.cor.of
   secs.24 and 25, brs.S.32°05'
   E.
The base for this triangulation
   is therefore N.89°58'E.,
   47.90 chs. on the sec.line,
   bet.secs.24 and 25.
Included angles are 32°04',57°
   57' and 89°59', the sum of
   which is 180°00'.
The triangulated measurement
   from cor.of secs.23,24,25
   and 26 to point on sec.line
   bet.secs.23 and 24 at N.rim
   of ravine is obtained by

$$\frac{\text{Sine } 57°57' \times \text{Base}}{\text{sine } 32°04'} \quad \text{or} \quad \frac{.84759 \times 47.90}{.53091} = 76.47 \text{ chs.}$$

58.00	(Approx.) Bottom of ravine, course E. Ascend over S.face of cliffs, to
76.47	Triangulation point at top of cliffs, bearing NE. and W. facing S.and SE. Asc.16 ft., over SE.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. 13,14, 23 and 24, marked on brass cap,

T32N | R7 W
S14 | S13
S23 | S24

1920

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

- -

	N.89°58'E., on random line, bet. secs.13 and 24.
3.00	Top of cliffs, bearing NW. and SW., facing NE., E. and SE. The line beyond this point passes over precipitous cliffs, on the walls of Mohawk Canyon, and chaining is impracticable; therefore, triangulate the measure- ment of a portion of the random sec.line, as

Chains.	
	described as follows, and as shown on the diagram hereon:
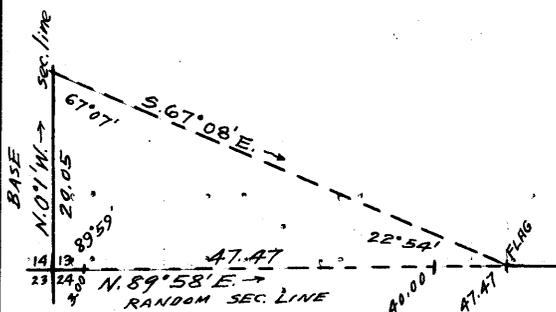
Set flag ahead on random sec. line,at top of cliffs,on E.wall of Mohawk Canyon.
From cor.of secs.13,14,23 and 24,measure a Base,N.0° 1'W.,20.05 chs.on sec.line bet.secs.13 and 14.
From N.end of base,flag brs. S.67°08'E.
Included angles are 67°07', 22°54',and 89°59',the sum of which is 180°00'.

Triangulated   measurement on random sec.line is obtained by

$$\frac{\text{sine } 67°\,07' \text{ x Base}}{\text{sine } 22°54'} \text{ or } \frac{.92130 \text{ x } 20.05}{.38912} = 47.47 \text{ chs.}$$

40.00	Point for temp.¼ sec.cor. falls on face of cliffs,and is inaccessible.
47.47	Flag point of above described triangulation. This being the nearest accessible point to the ¼ sec.cor.point, set temp. witness cor. to ¼ sec.cor.
	Continue line and measurement by chaining.
79.64	Fall 16 lks.N. of the cor.of secs.13,18,19 and 24 on E. bdy.of Tp., described in Book "G."
	Thence,
	N.89°55'W., on a true line, bet. secs.13 and 24.
	Over broken and mountainous land, thru. scattering timber and undergrowth, on E.wall of Mohawk Canyon.
	Descend 222 ft.,over NW.slope,to
32.17	Triangulation point at top of cliffs, bearing N.and SE, facing W. 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 witness cor.to the ¼ sec.cor., marked on brass cap,

$$WC\tfrac{1}{4}\ \frac{S\ 13}{\begin{array}{c}S\ 24\\1920\end{array}}$$

	Leave timber.
	Continue over broken and mountainous land, thru.scatter- ing undergrowth, in Mohawk Canyon. Measurement of remainder of line by triangulation.
	Descend over cliffs to bottom of canyon.
39.82	True point for ¼ sec.cor. falls on face of cliffs, and is inaccessible.
43.00	(Approx.) Wash, course N. in bottom of Mohawk Canyon.Asc. over cliffs,on W.wall of canyon.
76.64	Top of cliff, brs.NW, and SW.Asc.20 ft.over SE.slope,to
79.64	The cor.of secs.13,14,23 and 24.
	Land,broken and mountainous. Soil,rocky, 4th rate.
	Timber, scattering cedar and pine in E.32 chs.only.
	Undergrowth, scattering sage brush.
	No grass.

	N.0°01'W.,bet.secs. 13 and 14.
	Over broken and mountainous land, thru. scattering tim- ber and undergrowth,on W.wall of Mohawk Canyon.
	Descend 23 ft.,over NE.slope.
4.00	Gully, course E. Ascend 30 ft.,over S.slope.
6.50	Spur,slopes E. Desc.160 ft.,over N.slope.
11.90	Gulch, course E. Asc. 135 ft.,over S.slope.
20.05	Spur,slopes E. Desc.123 ft.,over N.slope.
27.60	Gulch, course E. Asc.140 ft.,over S.slope,to
40.00	Set an iron post, 3 ft.long, 1 in. in diam.,on surface rock, supported in a mound of stone, for ¼ sec.cor.,

222

BOOK 3510

12 Part of the Subdivision lines of Township 32 North, Range 7 West.

Chains.	
	marked on brass cap,

<div align="center">

¼

S14 | S13

1920
</div>

from which,
    A pine, 7 ins. in diam., brs.S.74¾°E.,67 lks.
      dist., marked ¼ S 13 BT.
   A pine, 12 ins. in diam.,brs.S.34¼°W., 226 lks.
      dist., marked ¼ S 14 BT.
Continue over broken and mountainous land, thru. scatter-
    ing timber and undergrowth, on W.wall of Mohawk Canyon.
Descend 40 ft.,over N.slope.

45.00	Gully, course E. Asc. 50 ft.,over S.slope.
54.90	Spur,slopes E. Desc.31.ft.,over N.slope to S. rim of ra-
	vine.
59.46	Set flag for triangulation, hereinafter described.
61.00	S. rim of ravine or side canyon, brs.W. and NE. Thence

across ravine about 300 ft. deep, the sides of which
are too precipitous to permit of chaining. Triangu-
late as described as follows, and as shown on the
diagram hereon.
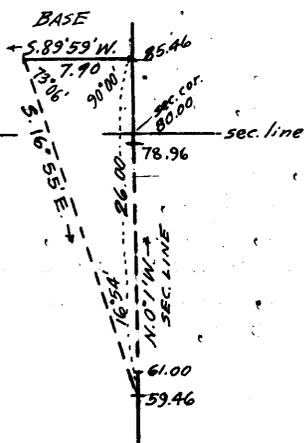
From a point ahead on sec.line,
above and beyond the N.rim of
ravine, measure a Base S.89°
59'W., 7.90 chs.
From W.end of Base, flag at 59.46
ch.station brs.S.16°55'E.
Included angles are 73°06',90°
00' and 16°54', the sum of
which is 180°00'.
Triangulated measurement on sec.
line is obtained by
Tang.73°06' x Base or 3.29139 x
7.90 = 26.00 chs.,which added
to 59.46 chs.,gives 85.46 chs.
N.0°01'W.,from the cor. of secs.
13,14,23 and 24 for the posi-
tion of the triangulation
point.

75.00	(Approx.) Bottom of ravine or side canyon,course NE. Asc.

over S.face of cliffs.
From triangulation point at 85.46 ch..station, chain
measurement S.0°1' E., 6.50 chs.to

78.96	N. rim of ravine, brs.E. and W.

Thence,
N.0°1'W., continuing measurement from cor.of secs.13,14,
23 and 24, by chaining.
Ascend 25 ft., over SE.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.11,12,13 and 14,
marked on brass cap,

<div align="center">

T32N | R6 W
S11 | S12
S14 | S13
1920
</div>

Land,broken and mountainous.
Soil,rocky,4th rate.
Timber, scattering cedar and pine.
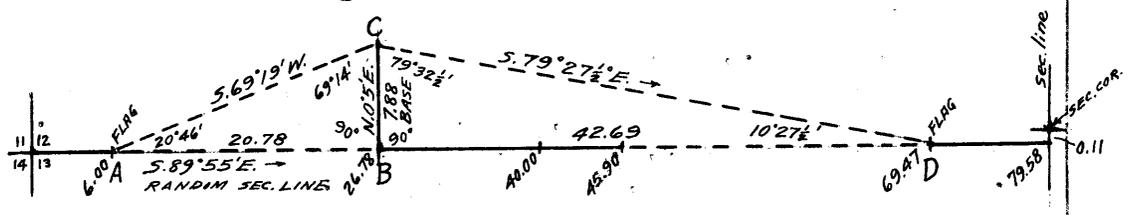Undergrowth, scattering sage brush.
Poor grass.

- -

S.89°55'E., on a random line, bet. secs.12 and 13.

6.00	Top of cliffs, bears NE.and SW. Chaining beyond this

Chains.	
	point is impracticable owing to cliffs on the walls of Mohawk Canyon;therefore,triangulate the measurement of a portion of the line,as described as follows,and as shown on the diagram hereon:

	Set flag at 6.00 ch.station,indicated on diagram at "A."
	From point ahead on random sec.line,on W.wall of canyon beyond and near foot of cliffs,indicated at "B,"measure a base,N.0°5'E.,7.88 chs.to point "C."
	Bearing "C" to "A" = S.69°19' W.
	Included angles of triangle "A-B-C" are 20°46',90°00'and 69°14',the sum of which is 180°00'.
	Triangulated measurement from "A" to "B"is obtained by Tang.69°14'x Base or 2.63714x 7.88=20.78 chs.;which added to 6.00 chs.gives 26.78 chs.S.89°55'E.from cor.of secs.11,12,13 and 14,for the position of triangulation point "B."
	Set flag ahead on random sec.line at top of cliffs on E. wall of canyon indicated at "D."
	Bearing "C" to "D"= S.79°27½' E.
	Included angles of triangle "B-C-D" are 90°00',79°32½'and 10°27½', the sum of which is 180°00'.
	Triangulated measurement from "B" to "D" is obtained by Tang. 79° 32½'x Base or 5.41750 x 7.88=42.69 chs.,which added to 26.78 chs.gives 69.47 chs.S.89°55'E.from cor. of secs.11,12,13 and 14,for the position of triangula- tion point "D."
	From triangulation point at 26.78 ch..station,continue line and measurement by chaining.
40.00	Set temp.¼ sec.cor.
45.90	Foot of cliffs on E.wall of canyon. Discontinue chaining.
69.47	Triangulation point at top of cliffs. Continue line and measurement by chaining.
79.58	Fall 11 lks.S.of cor.of secs.7,12;13 and 18 on E.bdy.of Tp.;described in Book "G." Thence,West,on true line,bet.secs.12 and 13. Over broken and mountainous land,thru.scattering timber and undergrowth,on E.wall of Mohawk Canyon. Descend 50 ft.,over NW.slope,to
10.11	Triangulation point at top of cliffs,bearing NE.and SW., facing W. Discontinue chaining. Descend 800 ft.,over face of.cliffs, to
.33.68	Foot of cliffs, brs.N.and S..Continue line and measure- ment by chaining. Descend 25 ft.,over W.slope,to
35.58	Bottom of Mohawk Canyon,course N. Asc.80 ft.,over E.slope, to
39.79	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 ¼ sec.cor.,marked on brass cap;

$$\frac{1}{4} \quad \frac{\text{S 12}}{\text{S 13}}$$
$$1920$$

	Continue over broken and mountainous land,thru.scattering timber and undergrowth,on W.wall of Mohawk Canyon. Chaining measurement. Ascend 55 ft.,over E.slope.
42.00	Descend 20 ft.,over N.slope,to
43.06	Gulch,course NE. Asc.240 ft.over broken SE.slope to foot of cliffs.
52.80	Triangulation point.
60.00	Foot of cliffs,bearing NE.and SW. Discontinue chaining. Ascend over face of cliffs, to
72.58	Top of cliffs,bearing NE.and SW. At about 1.00 ch.SE.the top of cliffs turns to W.,forming N.rim of ravine,or side canyon. Continue line and measurement by chaining.Asc.55 ft.over SE.slope, to

14 Part of Subdivision lines of Township 32 North, Range 7 West.

Chains.	
79.58	The cor. of secs. 11, 12, 13 and 14. Land, broken and mountainous. Soil, rocky, 4th rate. Timber, scattering cedar and pine. Undergrowth, scattering sage brush. No grass.
	N.0°01'W., bet. secs. 11 and 12. Over broken and mountainous land, thru. scattering timber and undergrowth, on W. wall of Mohawk Canyon. Ascend 70 ft., over SE. slope; to
0.00	Foot of cliffs, bearing E. and W. Beyond this point, the sec. line passes over precipitous S. face of cliffs, and chain- ing is impracticable; therefore, triangulate as de- scribed as follows, and as shown on the diagram hereon:

Set flag ahead on sec. line at top
of cliffs.
From 59.46 ch. station, on line, bet.
secs. 13 and 14, measure a Base,
N.45°10'E., 13.00 chs.
From NE. end of Base, flag brs. N.17°
43'W.
Included angles are 117°07', 45°11'
and 17°42', the sum of which is
180°00'.
Triangulated measurement on sec.
line is obtained by

$$\frac{\text{sine } 117°07' \times \text{Base}}{\text{sine } 17° 42'} \quad \text{or}$$

$$\frac{.89008 \times 13.60}{.30403} = 39.81 \text{ chs.,}$$

which added to 59.46 chs. gives 99.27 chs. N.0°1'W. from
cor. of secs. 13, 14, 23 and 24, or 19.27 chs. N.0°1'W. from
cor. of secs. 11, 12, 13 and 14 for the position of the
flag point of this triangulation.

19.27	Flag point of above described triangulation at top of cliffs, brs. E. and W. Continue line and measurement by chaining. Asc. 85 ft. over SE. slope.
32.17	Spur, slopes NE. Desc. 55 ft., over NW. slope.
35.60	Gully, course NE. Asc. 25 ft., over SE. slope, to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., on surface rock, supported in a mound of stone, for ¼ sec. cor., marked on brass cap,

$$\text{S11}\overset{\frac{1}{4}}{|}\text{S12}$$
1920

from which,
A pine, 8 ins. in diam. brs. N.55½°E., 20 lks. dist. mkd. ¼S12BT.
A pine, 8 ins. in diam. brs. N.32¼°W., 47 lks. dist. mkd. ¼S11BT.
Continue over broken and mountainous land, thru. scattering
timber and undergrowth. Asc. 30 ft., over SE. slope.

45.00	Spur, slopes NE. Desc. 200 ft., over NW. slope.
59.60	Gulch, course NE., Asc. 52 ft., over SE. slope.
61.90	Descend 15 ft., over NE. slope, to
65.31	S. rim of ravine, brs. E. and N.80°W. Discontinue chaining, and triangulate measurement across ravine, as described as follows, and as shown on the diagram hereon:

Set flag ahead on sec. line, at N.
rim of ravine.
From 65.31 ch. station, measure a
Base N.81°05'W., 4.20 chs.
From W. end of Base, flag brs. N.23°
57'E.
Included angles are 74°58', 23°58'
and 81°04', the sum of which
is 180°00'.
Triangulated measurement on sec.
line across ravine, is obtained
by

$$\frac{\text{sine } 74°58' \times \text{Base}}{\text{sine } 23°58'} \quad \text{or} \quad \frac{.96578 \times 4.20}{.40021} = 9.99 \text{ chs., which}$$

added to 65.31 chs. gives 75.30 chs., N.0° 1' W., from

Chains.	
	cor.of secs.11,12,13 and 14 for the position of the triangulation point on sec.line at N.rim of ravine.
70.00	(Approx.) Bottom of ravine,150 ft.deep,course E. Ascend over precipitous S.slope,to
75.30	Triangulation point at N.rim of ravine, bearing E.and W. Continue line and measurement by chaining. Ascend 40 ft., over S.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. 1,2,11 and 12, marked on brass cap,

<div align="center">

T32N | R7 W
S 2 | S 1
—————
S11 | S12
1920
</div>

from which,
　　　A pine,9 ins. in diam.,brs.N.88¼°E.,430 lks.
　　　　dist.,marked T32N R7W S1 BT.
　　　A pine, 14 ins. in diam., brs.S.41¼°E.,162 lks.
　　　　dist.,marked T32N R7W S12 BT.
　　　A pine,10 ins. in diam.,brs.S. 62° W., 108 lks.
　　　　dist., marked T32N R7W S11 BT.
　　　A pine,12 ins. in diam.,brs.N.3½°W., 85 lks.
　　　　dist., marked T32N R7W S2 BT.
Land,broken and mountainous. Soil, rocky, 4th rate.
Timber, scattering cedar and pine.
Undergrowth, scattering sage brush. No grass.

	East, on a random line,bet.secs.1 and 12.
17.43	Top of cliffs, bearing N. and SW.,facing E.and SE.
	Discontinue chaining,and triangulate as described as follows,and as shown on the diagram hereon:
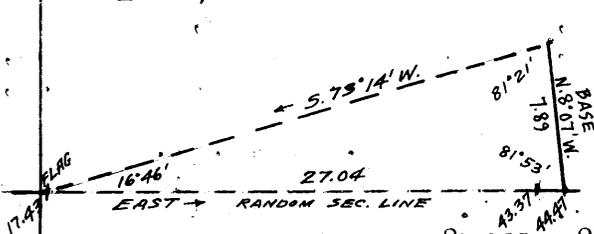
　　　　　　　　　　　Set flag at 17.43 ch.station.
　　　　　　　　　　　From a point ahead on random sec.line,on E.wall of
　　　　　　　　　　　Mohawk Canyon,measure a
　　　　　　　　　　　Base,N.8°07'W.,7.89 chs.
　　　　　　　　　　　From N. end of Base, flag
　　　　　　　　　　　brs.S.73°14'W.
Included angles are 81°21',81°53' and 16°46', the sum
　of which is 180°00'.
Triangulated measurement on random sec.line is obtained by

$$\frac{\text{sine } 81°21' \times \text{Base}}{\text{sine } 16°46'} \quad \text{or} \quad \frac{.98803 \times 7.89}{.28847} = 27.04 \text{ chs.}$$

which added to 17.43 chs.gives 44.47 chs.East from
cor.of secs. 1,2,11 and 12, for the position of the
triangulation point on random sec.line.

|	
40.00	Point for temp.¼ sec.cor. falls on E.face of cliff, and is inaccessible.
	From 44.47 ch. station, chain measurement, West, 1.10 chs. to point on random line at
43.37	Top of cliffs, bearing N. and S.facing W. This being the nearest accessible point to the ¼ sec.cor.point, set temp.witness cor. to ¼ sec.cor.
	Thence,
	East,on random line,continuing measurement from cor. of secs.1,2,11 and 12.
44.47	Triangulation point,at foot of cliffs,bearing N.and S., facing W. Discontinue chaining, and triangulate the measurement over another series of cliffs on E.wall of Mohawk Canyon, as described as follows, and as shown on the diagram hereon:

Set flag at point ahead
　on random sec.line at
　top of cliffs.
From cor.of secs.1,2,11 and 12,
　to 32.17 ch.station on line
　bet.secs.11 and 12 gives a
　base for this triangulation
　of S.0°1'E.,47.83 chs.
From S.end of base,flag brs.
　N.50°28'E
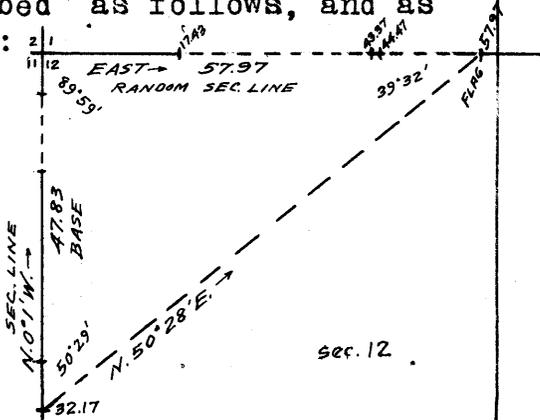
16 Part of Subdivision lines of Township 32 North, Range 7 West.

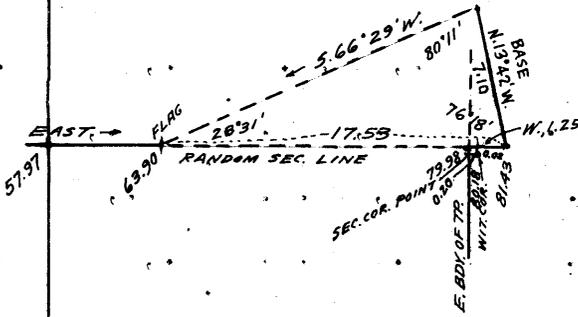| Chains.	
	Included angles are 50°29', 89°59' and 39°32', the sum of which is 180°00'.
	Triangulated measurement on random sec.line is obtained by
	$$\frac{\text{Sine } 50°29' \times \text{Base}}{\text{sine } 39°32'} \text{ or } \frac{.77144 \times 47.83}{.63653} = 57.97 \text{ chs.}$$
57.97	Triangulation point at top of cliffs, bearing SE. and N., facing W. and SW.
	Continue line and measurement, by chaining.
63.90	Foot of another series of cliffs, bearing N. and SE., facing W. and SW. Discontinue chaining and triangulate measurement of remainder of sec.line as described as follows, and as shown on the diagram hereon:

Set flag at 63.90 ch.station. From a point ahead on random sec. line extended beyond the objective cor.point, measure a base, N.13°42' W., 7.10 chs.

From N. end of Base, flag brs. S.66°29'W.

Included angles are 80°11', 76°18' and 23°31', the sum of which is 180°00'.

	Triangulated measurement on random sec.line is obtained by
	$$\frac{\text{Sine } 80°11' \times \text{Base}}{\text{sine } 23°31'} \text{ or } \frac{.98536 \times 7.10}{.39902} = 17.53 \text{ chs.,which}$$
	added to 63.90 chs., gives 81.43 chs. East from cor. of secs. 1,2,11 and 12, for the position of the triangulation point on random line extended.
	From 81.43 ch.station, chain measurement,
	West, 1.25 chs. to 80.18 ch.station on random line,which is 2 lks.N. of the witness cor.to cor.of secs.1,6,7 and 12.
	The witness cor. being set at 0.20 chs. E. of the true sec.cor. point as described in Book "G;" the true length of line bet.secs. 1 and 12 is therefore 80.18 chs. - 0.20 chs. = 79.98 chs.
79.98	Fall 2 lks.N. of the true point for cor.of secs. 1,6,7 and 12, on E. bdy. of Tp., in inaccessible position on W.face of cliff.
	Thence,
	N.89°59'W., on true line, bet. secs.1 and 12.
	Over broken and mountainous land, thru. scattering timber and undergrowth across face of cliffs on E. wall of Mohawk Canyon, measurement by triangulation.
	Descend about 500 ft. to
16.08	Triangulation point at foot of cliffs, bearing N.and SE.
	Continue line and measurement,by chaining.
	Descend 70 ft., over W.slope,to
22.01	Triangulation point at top of cliffs, bearing SE. and N., facing W. and SW.
	Discontinue chaining and triangulate as hereinbefore described.
	Descend about 600 ft. over W. face of cliffs.
35.51	Triangulation point at foot of cliffs, bearing N.and S.
	Continue line and measurement by chaining.
	Descend 30 ft., over W.slope,to
36.01	Top of cliffs, bearing N.and S. facing W. 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 witness cor.to ¼ sec.cor.,marked on brass cap,

$$\text{WC}\tfrac{1}{4} \quad \frac{\text{S } 1}{\text{S } 12}$$
$$1920$$

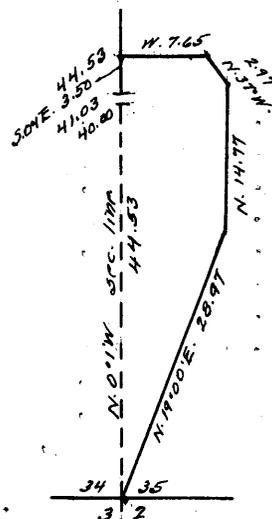|	Discontinue chaining,and triangulate measurement as hereinbefore described.
	Descend about 300 ft.,over W.face of cliffs, at
39.00	(Approx.) bottom of Mohawk Canyon,course N.

Chains.	
	Ascend about 1000 ft. over cliffs, facing E. on W. wall of canyon.
39.99	True point for ¼ sec.cor. falls on face of cliffs and is inaccessible.
62.55	Triangulation point at top of cliffs, bearing N. and SW., facing E. and SE.
	Continue line and measurement by chaining.
	Ascend 85 ft., over E. slope, to
79.98	The cor. of secs. 1, 2, 11 and 12.
	Land, broken and mountainous.
	Soil, rocky, 4th rate.
	Timber, scattering cedar and pine.
	Undergrowth, scattering sagebrush.
	No grass.

From the cor. of secs. 2, 3, 34 and 35 on S. bdy. of Tp.,
    described in Book "F,"
N. 0°01'W., bet. secs. 34 and 35.
Over broken and mountainous land, thru. scattering timber
    and undergrowth, on W. wall of Mohawk Canyon.
The south half of the line passes over the E. faces of
    cliffs, rendering chaining impracticable; therefore,
    obtain the measurement of such portion of the line by
    a traverse line in sec. 35, as described as follows,
    and as shown on the diagram hereon:

From cor. of secs. 2, 3, 34 and 35,
N. 19°00' E., 28.97 chs.
Thence,
North,   14.77 chs.
Thence,
N. 37°00'W.,   2.97 chs.
Thence,
West,   7.65 chs.,
    returning to a point on sec.
    line, bet. secs. 34 and 35, which
    is 44.53 chs., N. 0°
    01' W., from cor. of secs. 2, 3, 34
    and 35.
Thence,
S. 0°1'E., 3.50 chs. on sec. line to
    41.03 ch. station thereon, which is the nearest ac-
    cessible point to the ¼ sec. cor. point.

| 40.00 | True point for ¼ sec. cor. falls on NE. face of cliff, and is inaccessible. |
| 41.03 | Foot of cliff, 200 ft. high, bearing SE. and NW, facing NE. |

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 witness cor. to the ¼ sec. cor.,
    marked on brass cap,

¼
S34 | S35
W | C
1920

Continue over broken and mountainous land, thru. scatter-
    ing timber and undergrowth, on W. wall of Mohawk Canyon.
Descend 585 ft., over N. slope.

| 63.40 | Bottom of side canyon, course E. Asc. 440 ft., over S. 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. 26, 27, 34 and 35, marked on brass cap, |

T32N | R7 W
S27 | S26
S34 | S35
1920

18   Part of Subdivision lines of Township 32 North, Range 7 West.

Chains.	
	Land, broken and mountainous. Soil, rocky, 4th rate. Timber, scattering cedar and pine. Undergrowth, scattering sage brush. No grass.

	N.89°58'E., on a random line, bet. secs.26 and 35.
40.00	Set temp. ¼ sec.cor.
79.80	Fall 9 lks.N. of the cor.of secs. 25,26, 35 and 36. Thence, N.89°58'W. on a true line, bet. secs.26 and 35. Over broken and mountainous land, thru. scattering timber and undergrowth, on W.wall of Mohawk Canyon. Ascend 280 ft., over E.slope.
9.24	Spur, slopes S. Desc.220 ft., over W.slope.
19.30	Gulch, course S. Asc. 385 ft., over E. slope, to

39.90	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
	    around post for ¼ sec.cor., marked on brass cap,

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

	Continue over broken and mountainous land, thru. scat-
	    tering timber and undergrowth, on W.wall of Mohawk
	    Canyon.
	Ascend 130 ft., over E.slope.

44.10	Spur, slopes S. Desc.60 ft., over W.slope.
46.10	Gulch, course SE. Asc.100 ft., over E.slope.
50.90	Spur, slopes S. Desc.70 ft., over W.slope.
52.70	Gulch, course SE. Ascend 310 ft. over E.slope, to
61.68	Spur, slopes S. Descend 70 ft., over W.slope.
68.00	Ascend 75 ft., over SE.slope.
78.10	Descend 25 ft., over SW.slope, to
79.80	The cor.of. secs. 26, 27, 34 and 35. Land, broken and mountainous. Soil, rocky, 4th rate. Timber, scattering cedar and pine. Undergrowth, scattering sage brush. No grass.

N.0°01' W., bet. secs.26 and 27.
Over broken and mountainous land, thru. scattering tim-
    ber and undergrowth, on W. wall of Mohawk Canyon.
Ascend 500 ft., over SE.face of cliffs to W. rim of can-
    yon.
Chaining being impracticable, obtain the measurement from
    sec.cor. to canyon rim by a traverse line thru. sec.
    27, as described as follows, and as shown on the
    diagram hereon:
Set flag "E" at point N.0°
    1'W.from sec.cor.,and at
    W.rim of Mohawk Canyon.
From a point west of sec.
    cor.,at W.rim of Mohawk
    Canyon, indicated on
    diagram at "A,"
N.47½°E.,8.10 chs.along
    rim of canyon to point
    "B," where the rim turns to
    NW.forming the right
    rim of a ravine, or side
    canyon, course SE.
Chaining across this ravine being impracticable, trian-
    gulate as described as follows, and as shown on the

Chains.	
	traverse diagram:
	Set flag at point "B."
	From point "C" on left rim of ravine, measure a base
	N.64° 58'W.,9.09 chs., along said rim to point "D."
	Bearing "C" to "B" = S.63°00'W.
	Bearing "D" to "B" = S.34°03' W.
	Included angles of triangle "B-C-D" are 28°57', 52°02' and
	99°01', the sum of which is 180°00'.
	Triangulated measurement "B" to "C" is obtained by
	$\dfrac{sine\ 99°01' \times Base}{sine\ 28°57'}$ or $\dfrac{.98764 \times 9.09}{.48405}$ = 18.55 chs.
	From triangulation point "C,"
	S.27° 02'E., 3.78 chs. to flag point "E" on sec.line, bet.
	secs.26 and 27.
	By computation of the traverse "A-B-C-E" the position of
	point "A" is found to be 24.22 chs. W. of sec.cor., and
	point "E" is found to be on sec.line at
10.52	W. rim of Mohawk Canyon; brs.NE. and SW.
	Leave broken and mountainous land and canyon. Enter roll-
	ing land.
	Ascend 70 ft., over SE.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 ¼ sec.cor., marked on brass cap,

$$\frac{1}{4}$$
S27 | S26

1920
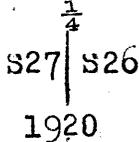
	from which,
	A pine, 8 ins. in diam., brs.N.27°E.,82 lks.
	dist., marked ¼ S 26 B T.
	A pine,12 ins.in diam., brs.N.13°W.,64 lks.
	dist., marked ¼ S 27 BT.
	Continue over rolling land, thru. scattering timber and
	undergrowth. Ascend 30 ft., over SE.slope.
52.30	Descend 85 ft., over NE.slope.
58.00	Wash, course E. from NW. Asc. 160 ft. over SW.slope, to
80.00	Set an iron post, 3 ft.long, 2 ins. in diam., 24 ins.in
	the ground, for cor.of secs. 22,23, 26 and 27, marked
	on brass cap,

T32N | R7 W
S22 | S23
S27 | S26
1920
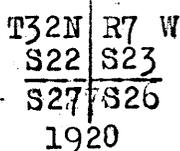
	from which,
	A pine, 18 ins. in diam.,brs.N.59¼°E.,116 lks.
	dist., marked T32N R7W S23 BT.
	A pine,12 ins.in diam.,brs.S.64½°E.,88 lks.
	dist.,marked T32N R7W S26BT.
	A pine,14 ins.in diam.,brs.S.32°W.,111 lks.
	dist.,marked T32N R7W S27 BT.
	A pine,10 ins.in diam.,brs.N.46¾°W.,110 lks.
	dist., marked T32N R7W S22 BT.
	Land,broken,mountainous and rolling.
	Soil,gravelly and rocky;2nd to 4th rate.
	Timber, scattering cedar and pine.
	Undergrowth, scattering sage brush.
	Fair grass in N.60 chs.

- -

	S.89°58'E., on a random line, bet. secs.23 and 26.
10.62	W. rim of Mohawk Canyon, brs.NW. and SE. Beyond this
	point, precipitous cliffs render chaining impracti-
	cable; therefore, triangulate the measurement of
	the remainder of the line as described as follows,
	and as shown on the diagram hereon:

230

BOOK 3510

20   Part of Subdivision lines of Township 32 North, Range 7 West.

Chains	
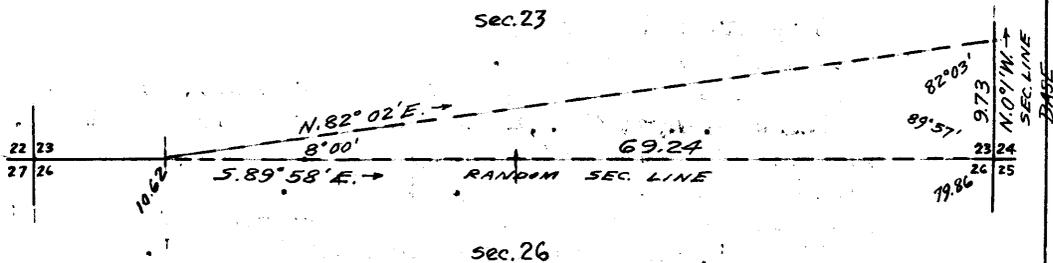
From 10.62 ch. station, a flag on the corner of secs.23,
   24, 25 and 26 is visible and brs. S.89° 58'E.; there-
   fore the random line extended will intersect said sec.
   cor.
From cor. of secs. 23,24, 25 and 26, measure a Base, N.0°
   1'W., 9.73 chs. in sec.line bet. secs.23 and 24 to a
   point which brs. N.82° 02' E. from 10.62 ch. station
   on random line.
Included angles are 8°00', 82°03' and 89°57', the sum of which
   is 180°00'. Triangulated measurement on random line is ob-
   tained by: sine 82°03' x base or .99039 x9.73 =69.24 chs.
                   sine 8°00'   .13917   .13917

	which added to 10.62 chs. gives 79.86 chs. as the total length of random line.
79.86	Intersect the cor. of secs. 23,24, 25 and 26.
	Thence,
	N.89°58'W., on a true line, bet. secs.23 and 26.
	Over broken and mountainous land, thru. scattering tim- ber and undergrowth, on W. wall of Mohawk Canyon, chaining measurement to ¼ sec.cor.
	Ascend 210 ft., over S.and SE. slopes.
21.70	Spur; slopes SW. Desc.20 ft., over W.slope.
23.70	Wash, course SW. Asc. 93 ft., over E.slope, to
39.93	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 ¼ sec.cor., marked on brass cap,

          ¼ S. 23
             ─────
             S 26
             1920

	Discontinue chaining. Continue over broken and mountain- ous land, thru. scattering timber and undergrowth, on W. wall of Mohawk Canyon, Measurement to W. rim of Canyon by triangulation.
	Descend over W.slope.
50.00	(Approx.) Bottom of gulch, course SE. Ascend over cliffs facing E.
69.24	Triangulation point at W. rim of Mohawk Canyon, bearing NW. and SE.
	Continue line and measurement by chaining. Leave moun- tainous,and enter rolling land. Descend slightly over W.slope, to
79.86	The cor.of secs.22, 23,26 and 27.
	Land, broken and mountainous in E. 70 chs. Rolling in W. 10 chs.
	Soil, gravelly and rocky, 3rd and 4th rate.
	Timber, scattering cedar and pine.
	Undergrowth, scattering sage brush.
	No grass.

	N.0°1'W., bet. secs. 22 and 23.
	Over rolling land, thru.scattering timber and under- growth, near W. rim of Mohawk Canyon. Descend 10 ft. over W.slope,
2.00	Gully, course W. near head. Asc. 30 ft., over SW.slope, to
11.23	W. rim of Mohawk Canyon, brs. NW. and SE. The remainder

Chains.	
	of the sec.line passes over NE. and E. faces of cliffs on W.wall of canyon, rendering chaining impracticable; therefore, obtain the measurement of such portion of the line by traverse, along rim of canyon in sec.22, as described as follows, and as shown on the diagram hereon:
	From 11.23 ch. station on sec.line, N. 26¼° W., 18.60 chs.
	Thence, N.20°E., 6.32 chs.
	Thence, N.14½°W.,6.35 chs.
	The latitude and departure of the above described traverse is 28.77 chs. N., and 7.66 chs. W.
	The terminus of the traverse is therefore 11.23 chs. + 28.77 chs.= 40.00 chs.N. of E. and W. line, thru. sec.cor.
	The departure of the sec.line in 28.77 chs. being 0.01 chs. W., the terminus of the traverse is therefore, 7.05 chs.west from
40.00	True point for ¼ sec.cor. of secs.22 and 23 on E.face of cliffs.
	From traverse point, chain measurement
	East, 3.05 chs. descending 150 ft., over E.slope to top of cliff, at 4.60 chs.West from true point for ¼ sec. cor.
	This being the nearest accessible point to the ¼ sec.cor. point, establish witness cor. here as follows:
	Set an iron post 3 ft.long, 1 in. in diam., 20 ins. in the ground for witness cor. to the ¼ sec.cor., marked on brass cap,

<div align="center">

¼

S22 | S23   WC

1920

</div>
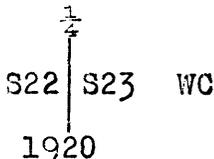
	from which,
	A pine, 16 ins. in diam., brs. S.35°W.,335 lks. dist., marked WC ¼ S 22 BT.
	A pine, 12 ins. in diam.,brs.N.31°W.,387 lks. dist., marked WC ¼ S 23 BT.
	From traverse point 7.65 chs.West of the true point for ¼ sec.cor., traverse along rim of canyon thru.N.½ of sec.22, as described as follows:
	N.6°00'W.,12.00 chs.
	Thence, N.8¾°E., 23.00 chs.
	Thence, N.22¼°E., 5.75 chs.
	The latitude and departure of the traverse thru. the N.½ of sec.22, described above is 40.00 chs.N., and 4.33 chs. E.
	The departure of the sec.line in 40.00 chs. being 0.01 chs.W., the terminus of this traverse is therefore, 7.65 chs. - 4.33 chs.- 0.01 chs. = 3.31 chs. West from
80.00	True point for cor.of secs.14,15,22 and 23 on SE. face of cliff, therefore at the terminus of the above

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BOOK 3510
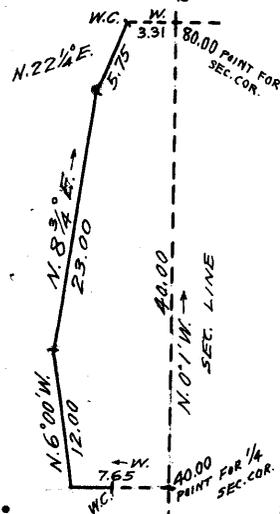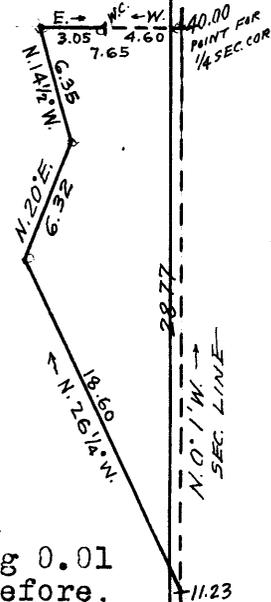
22 Part of Subdivision lines of Township 32 North.Range 7 West.

Chains.	

described traverse, at W. rim of Mohawk Canyon,bearing
NE. and SW., which is the nearest accessible point to
said sec.cor.point, 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 witness cor.to
cor.of secs. 14,15, 22 and 23, marked on brass cap,

```
            T32N R7 W
            S15 S14
            --------- WC
            S22 S23
              1920
```

from which,
A pine, 12 ins. in diam., brs.N.1¾°E., 101 lks.
dist., marked WC T32N R7W S14 BT.
A pine, 14 ins. in diam., brs.S.30°W., 92 lks.
dist., marked WC T32N R7W S14 BT.
Land,S.11 chs. rolling, remainder broken and mountainous.
Soil,rocky, 4th rate.
Timber, scattering cedar and pine.
Undergrowth, scattering sage brush.
No grass.

- -

From true point for cor. of secs.14,15, 22 and 23,
N.39°59'E., on a random line, bet. secs. 14 and 23.
The point for cor.of secs. 14,15,22 and 23 is inaccessible,
and the West half of the line passes over cliffs which
render chaining impracticable; therefore, triangulate
the measurement of the entire line as described as
follows, and as shown on the diagram hereon:
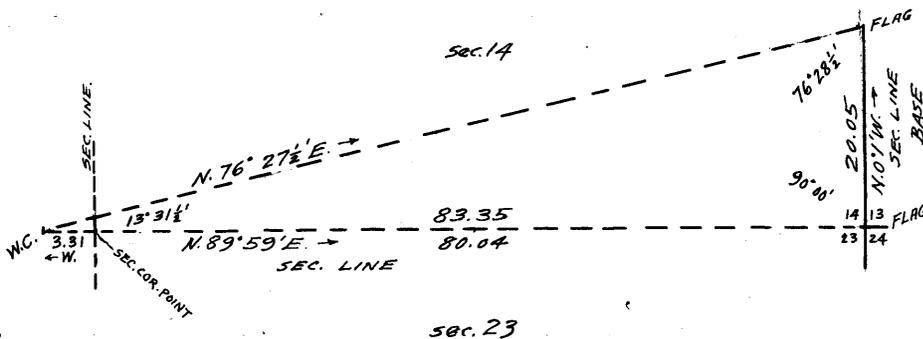
A flag on the cor.of secs.13,14,23 and 24, brs.N.89°59'
E. from the witness cor.to the cor.of secs.14,15,22
and 23. The true bearing of sec.line bet.secs.14 and
23 is S.89°59'W.
A flag at 20.05 ch.station on sec.line, bet. secs.13 and
14 bears N.76°27½'E., and gives a base for this trian-
gulation of N.0°1'W., 20.05 chs.
Included angles are 13°31½', 76° 28½' and 90°00' the sum
of which is 180°00'.
Triangulated measurement is obtained by
Tang. 76° 28½' x Base or 4.15731 x 20.05 = 83.35 chs.
The W.C. being 3.31 chs. W. from point for cor.of secs.
14,15, 22 and 23, the true length of sec.line bet.
secs.14 and 23 is 83.35 chs.- 3.31 chs. = 80.04 chs.

80.04	Intersect the cor. of secs. 13,14, 23 and 24.
	Thence,
	S.89° 59' W., on a true line, bet. secs. 14 and 23.
	Over broken and mountainous land, thru. scattering tim-
	ber and undergrowth, on W. wall of Mohawk Canyon.
	Measurement by chaining to ½ sec.cor.
	Ascend slightly over SE.slope,to
3.00	Desc. 116 ft.,over SW. slope.
14.10	Gulch, course S, from NW. Asc. 112 ft.,over E. slope.
24.90	Spur, slopes SE. Desc. 34 ft.,over SW.slope.
28.10	Gulch, course SE. Asc. 154 ft.,over E.slope,to
38.30	Spur,slopes SE. Desc.15 ft.,over SW.slope,to

Chains.	
40.02	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 ¼ sec.cor., marked on brass cap,

$$\frac{1}{4}\ \frac{\text{S 14}}{\text{S 23}}$$
$$1920$$

Discontinue chaining.
Continue over broken and mountainous land, thru. scattering timber and undergrowth.
Measurement of remainder of sec.line by triangulation.
Descend over SW.slope,to

42.00	(Approx.) Gulch, course SE. Ascend over cliffs to
80.04	True point for cor.of secs. 14,15, 22 and 23 falls on SE.face of.cliff,and is inaccessible. Witness cor.3.31 chs. W.

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

From true point for cor.of secs. 14,15,22 and 23.
N.0°1'W., bet. secs.14 and 15.
Over broken and mountainous land, thru. scattering timber and undergrowth, over SE.face of cliffs on W. wall of Mohawk Canyon.   Chaining is impracticable; therefore, obtain measurement of 9.22 chs. N.0°1'W.,from sec.cor. point by traverse along W. rim of canyon in sec.15, as described as follows, and as shown on the diagram hereon:
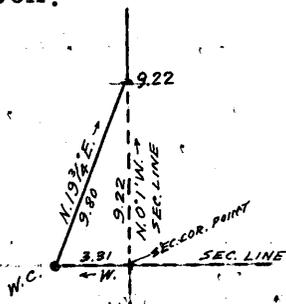
From witness cor. to cor.of secs.
14,15,22 and 23, which is 3.31
chs. W.of sec.cor.point,
N.19¾° E., 9.80 chs.to point on
sec.line, bet. secs.14 and
15, at 9.22 chs. N.0°1' W.
from sec.cor. point.

9.22	W. rim of Mohawk Canyon, brs. NE. and SW.
	Continue line and measurement by chaining.
	Ascend 37 ft.over SE.slope.
16.80	Descend 65 ft., over NE.slope,to
22.28	W. rim of Mohawk Canyon, brs. NW. and SE.
	Beyond this point, the remainder of the sec.line passes over cliffs on W. wall of Mohawk Canyon, and it is impracticable to continue chaining. As the point for the ¼ sec.cor. is inaccessible, and no point within the prescribed limits of distance thereto can be secured for the establishment of witness cor.,abandon the survey of this line.

The survey of the line, bet. secs.14 and 15 having been abandoned,owing to inability to establish either a ¼ sec.cor. thereon, or a witness cor.thereto at prescribed limits, the line bet.secs.11 and 14 is surveyed as follows:
From the cor.of secs.11,12,13 and 14,
West, on a true line, bet. secs.11 and 14.
Over broken and mountainous land, thru. scattering timber and undergrowth, on W. wall of Mohawk Canyon.
Ascend 190 ft., over SE.slope, to

8.97	Foot of cliff, brs.NE. and SW., facing SE.,150 ft.high.
9.17	Top of cliff. brs.NE. and NW.,facing SE.,S. and SW. at

Chains.	
	point of spur, sloping S.
	The line beyond this point passes over a ravine or side canyon, the sides of which are so precipitous as to render chaining impracticable; therefore, triangulate the measurement across same as described, as follows, and as shown on the diagram hereon:
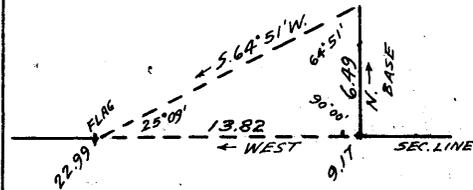
Measure a base, North, 6.49 chs.
Set flag ahead on sec.line at W.rim of ravine.
From N.end of Base, flag brs.S. 64°51'W.
Included angles are 64°51', 90°00' and 25°09', the sum of which, is 180°00'.

Triangulated measurement on sec.line is obtained by Tang. 64°51' x Base or 2.12993 x 6.49 = 13.82 chs.,which added to 9.17 chs. gives 22.99 chs.West.from sec.cor. for the position of the flag on sec.line.

Chains.	
15.50	(Approx.) Bottom of ravine or side canyon, course SE.
	Ascend about 150 ft.,over steep broken E.slope,to
22.99	Flag point of above described triangulation at W. rim of ravine, bearing NW. and SE.
	Continue line and measurement by chaining.
	Ascend 140 ft.,over E.slope.
35.30	Spur,slopes SE. Descend 30 ft.,over SW.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 ¼ sec.cor., marked on brass cap,

$$\frac{1}{4}\ \frac{S\ 11}{S\ 14}$$
1920

from which,
A pine, 24 ins. in diam., brs.S.75°W., 112 lks. dist., marked ¼ S 14 BT.
A pine, 7 ins. in diam., brs.N.66¼°W., 294 lks. dist., marked ¼ S 11 BT.

Continue over broken and mountainous land, thru. scattering timber and undergrowth, on W. wall of Mohawk Canyon.
Descend 60 ft., over SW.slope.

Chains.	
47.80	Gulch, course SE. Ascend 315 ft., over E.slope,to
65.50	Spur,slopes SE. Ascend 200 ft.,over broken S.slope,to
72.50	Gulch, course SE. Ascend 280 ft.,over E.slope,to
80.00	Set an iron post, 3 ft.long, 2 ins. 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 around post, for cor.of secs.10,11,14 and 15, marked on brass cap,

T32N | R7W
S10 | S11
S15 | S14
1920

From this cor. a flag at W. rim of Mohawk Canyon,22.28 chs.N.0°1'W.from point for cor.of secs.14,15,22 and 23, brs. S.0°1'E.
Land, broken and mountainous.
Soil, rocky, 4th rate.
Timber, scattering cedar and pine.
Undergrowth, scattering sage brush and scrub cedar.
No grass.

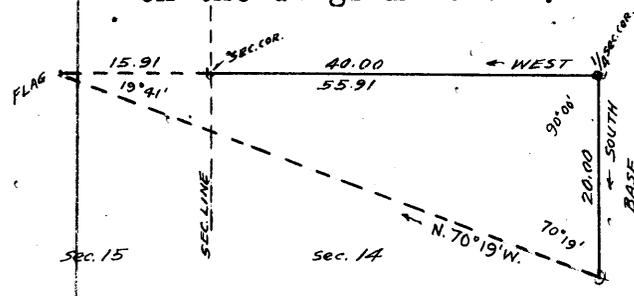
N.0°1'W., bet. secs.10 and 11.
Over broken and mountainous land, thru. scattering timber and undergrowth, over E. and SE. faces of cliffs on W.wall of Mohawk Canyon. Chaining being impracticable, obtain measurement of south half of sec. line,by

Chains.

a traverse along the W. rim of Mohawk can-
yon, thru sec.10 as described as follows, and as shown
on the diagram hereon:

Owing to cliffs W. of the
cor. of secs.10,11,14 and
15, it is impracticable
to chain measurement west
therefrom to the W. rim of
Mohawk Canyon; therefore
triangulate as follows:
Set flag at W. rim of can-
yon West from cor. of secs.
10,11,14 and 15.

From ¼ sec.cor. of secs.11 and 14, measure a Base, South
20.00 chs.
From S. end of Base, flag brs. N.70°19'W.
Included angles are 70°19', 19°41' and 90°00', the sum of
which is 180°00'.
Triangulated measurement from ¼ sec.cor. of secs.11 and 14,
west to flag is obtained by
Tang. 70°19' x Base or 2.79545 x 20.00 = 55.91 chs.
The sec.cor. being 40.00 chs. W. from ¼ sec.cor., the
dist. from sec.cor. to flag is 55.91 chs. - 40.00 chs.
= 15.91 chs.
From flag point of above described triangulation,
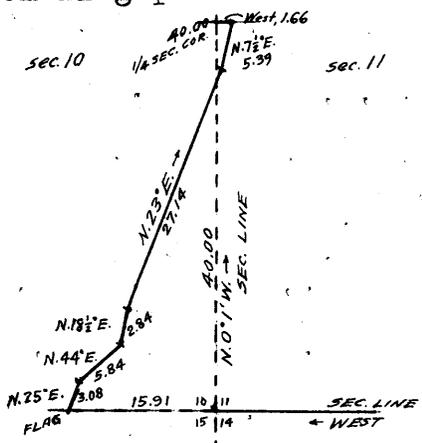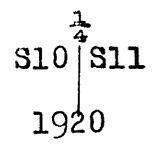
N.25° E.,3.08 chs.
Thence,
N.44° E.,5.84 chs.
Thence,
N.18½°E., 2.84 chs.
Thence,
N.23°E., 27.14 chs.
Thence,
N.7½° E., 5.39 chs.
Thence,
West, 1.66 chs., returning to
sec.line, bet. secs.10 and 11,
at

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 ¼ sec.cor., marked on brass cap,

¼
S10 | S11

1920

from which,
A pine, 8 ins. in diam., brs. S.66°E.,84 lks.
dist., marked ¼ S 11 BT.
A pine, 14 ins. in diam.,brs. S.69¾°W.,86 lks.
dist.,marked ¼ S 10 BT.
Continue over broken and mountainous land, thru scat-
tering timber and undergrowth, chaining measurement
on sec.line.
Descend 120 ft., over NE.slope, to

47.04 | W. rim of Mohawk Canyon, brs. NW. and SE.
The line beyond this point passes over cliffs facing NE.,
rendering chaining impracticable; therefore triangu-
late as described as follows, and as shown on the dia-
gram hereon:
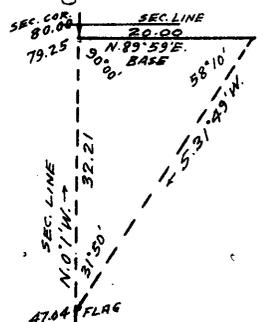
Set flag at 47.04 ch.station on
sec.line.
From point ahead on sec.line, meas-
ure a Base N.89°59'E.,20.00 chs.
From E.end of Base,flag brs.S. 31°
49'W.
Included angles are 58°10',31°50'
and 90°00',the sum of which is
180°00';

26. Part of Subdivision lines of Township 32 North Range 7 West.

Chains.	
	Triangulated measurement on sec.line is obtained by Tang. 58°10'x Base or 1.61074 x 20.00 = 32.21 chs.,which added to 47.04 chs. gives 79.25 chs.N.0°1'W.from sec. cor.for the position of the triangulation point.
79.25	Triangulation point,on W. wall of Mohawk Canyon. Continue line and measurement by chaining. Descend 20 ft.,over NE. slope,to
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), and raise a mound of stone around post,for for cor.of secs. 2,3, 10 and 11, marked on brass cap,

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          T32N R7 W
           S 3  S 2
          S10  S11

              1920
```

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

	East, on a random line, bet. secs.2 and 11.
40.00	Set temp. ¼ sec.cor.
79.70	Intersect the cor.of secs.1,2,11 and 12. Thence, West, on a true line, bet. secs.2 and 11. Over gently rolling land, thru. scattering timber and undergrowth on bench in W. wall of Mohawk Canyon. Ascend 90 ft., over E. and NE.slope, to
30.00	Wash, course NE. Ascend 45 ft.,over NE.slope,to
34.90	Wash, course NE. Leave gently rolling land, and enter broken and mountainous land. Asc. 60 ft.,over E. slope,to
39.85	Set an iron post, 3 ft.long, 1 in. in diam., on surface rock, supported in a mound of stone, for ¼ sec. cor., marked on brass cap,

```
          ¼   S 2
             S 11
             1920
```

from which,
        A pine, 10 ins. in diam.,brs.N.52¼°E.,13 lks.
            dist., marked ¼ S 2 BT.
        A pine, 10 ins. in diam., brs.S.23°E., 139 lks.
            dist., marked ¼ S 11 BT.
Continue over broken and mountainous land, thru.scatter-
    ing timber and undergrowth on W.wall of Mohawk Canyon.
Ascend 45 ft.,over E.slope.

45.00	Spur, slopes N. Descend 60 ft.,over W.slope.
49.80	Gulch, course N. Ascend 200 ft. over E. slope.
60.60	Spur,slopes NE. Descend 40 ft., over NW.slope.
64.40	Gulch, course NE. Ascend 190 ft.,over NE.slope,to
73.90	Gulch, course NE. Asc. 240 ft., over NE.slope,to
79.70	The cor.of secs.2,3, 10 and 11. Land, E. 35 chs., gently rolling; remainder,broken and mountainous.

Soil,rocky,4th rate.
Timber, scattering cedar and pine.
Undergrowth,scattering sage brush.
No grass.

From the cor.of secs. 3,4,33 and 34, on S. bdy.of Tp.,
    described in Book"F!"

Chains.	
	N.0°2'W., bet. secs. 33 and 34.
	Over rolling land, thru. dense timber and scattering un-dergrowth.
	Descend 40 ft., over NW. slope.
6.50	Draw, course NE.near head; desc. 55 ft.,over NE, slope,to
14.00	Draw, course NE. Desc. 20 ft. over NE. slope, to
18.00	Draw, course NE. Descend 25 ft., over E. slope, to
27.50	Ascend 70 ft. over SE. slope.
39.00	Top of ascent, brs. NE. and SW. Descend 50 ft.,over NW. 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 ¼ sec.cor., marked on brass cap,

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

$$S33 \mid S34$$

1920

from which,
 A pine 9 ins. in diam., brs.S.50½°E., 45 lks.
  dist., marked ¼ S 34 BT.
 A pine,10 ins. in diam., brs.S.55° W., 67 lks.
  dist., marked ¼ S 33 BT.

	Thence over roughly rolling and broken land, thru. dense timber,and scattering undergrowth.
	Descend 175 ft., over NW. slope, to
47.50	Draw, course NE. Descend 25 ft.,over E.slope, to
50.00	Same draw, course NW. Desc. 20 ft.,over W.slope,to
55.00	Same draw, course NE. Asc. 40 ft.,over M.slope,to
58.50	Gully, course E. Asc. 45 ft.,over SE.slope,to
65.50	Descend 85 ft.,over N.slope.
68.00	Gulch, course E. from NW. Asc. 235 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, supported in a mound of stone, for cor.of secs.27,28, 33 and 34, marked on brass cap,

$$\begin{array}{c|c} T32N & R7\ W \\ S28 & S27 \\ \hline S33 & S34 \end{array}$$

1920

from which,
 A pine,12 ins.in diam.,   brs.N.55°E.,36 lks.
  dist.,marked T32N R7W S27 BT.
 A cedar,10 ins.in diam.,brs.S.38°E., 10 lks.
  dist., marked T32N R7W S34 BT.
 A cedar,12 ins. in diam., brs.S.40½°W.,87 lks.
  dist., marked T32N R7W S33 BT.
 A pine,10 ins. in diam., brs.N.54°W.,26 lks.
  dist., marked T32N R7W S28 BT.
Land, rolling and broken.
Soil,gravelly and rocky, 3rd and 4th rate.
Timber, dense cedar and pine.
Undergrowth, scattering sage brush and scrub cedar.
Poor grass.

	N.89° 58'E., on a random line, bet. secs.27 and 34.
40.00	Set temp.¼ sec.cor.
55.78	Fall 3 lks. N. of traverse point at W.rim of Mohawk Can-yon, brs.NE. and SW., located at 24.22 chs.W.from cor. of secs. 26, 27, 34 and 35, as hereinbefore described in the notes of survey of line bet. secs. 26 and 27.
	The random line extended will therefore at
80.00	Fall 5 lks. N. of the cor.of secs. 26,27, 34 and 35.
	Thence,
	West on a true line, bet. secs. 27 and 34.

28 . Part of Subdiviion   lines of Township 32 North,Range 7 West.

Chains.	
	Over broken and mountainous land, thru.scattering timber and undergrowth, on W.wall of Mohawk Canyon; measurement of 24.22 chs. by traverse as.hereinbefore described in notes of survey of line bet.secs.26 and 27.
	Ascend 400 ft.,over SE.face of clifis, to
24.22	W. rim of Mohawk Canyon, brs.NE. and SW. Leave broken and mountainous land,and enter rolling land.
	Continue line and measurement by chaining.
	Ascend 95 ft., over SE.slope. .
30.00	Descend 40 ft., over SW.slope,to
40.00	Left rim of ravine, brs.NW. and SE. Set an iron post, 3 ft.long, 1 in. in diam., 8 ins. in the ground, to bed rock, supported ina mound of stone, for ¼ sec.cor. marked on brass cap,

$$\frac{1}{4} \frac{\text{S } 27}{\text{S } 34}$$
1920

from which,
        A cedar, 12 ins. in diam.,.brs.N.72°E., 110 lks. dist.,.marked ¼ S 27 BT.
        A cedar,16 ins. in diam., brs.S.18¾°E.,219 lks. dist.; marked ¼ S 34 BT.

	Leave rolling,and enter broken and roughly rolling land, thru.scattering timber and undergrowth.
	Descend 223 ft., over broken SW.slope.
51.00	Bottom of ravine, course SE. Asc.190 ft., over broken E.slope.
58.60	Right rim of ravine, brs.NW. and SE. Desc.40 ft.,over W. slope. Enter dense timber.
66.60	Gully, 25 ft. deep; course S. Asc. 65 ft., over E.slope, to
80.00	The cor. of secs. 27, 28, 33 and 34.
	Land, rolling,broken and mountainous.
	Soil,rocky, 4th rate.
	Timber, cedar and pine; scattering and dense.
	Undergrowth,scattering sage brush.
	Poor grass.

	N.0°02'W., bet. secs. 27 and 28.
	Over rolling land, thru.dense timber and scattering undergrowth. Descend 10 ft. over NE. slope.
2.50	Draw, course E.from NW. Ascend 67 ft. over SW. slope.
10.00	Descend 45 ft.,over. NE.slope.
23.70	Wash, course NE. near head. Asc..65 ft.over SE.slope,to
40.00	Set an iron post, 3 ft.long, 1 in. in diam., 12 ins. in the ground to bed rock, supported ina mound of stone, .for ¼ sec.cor., marked on brass cap,

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

S28 | S27

1920

from which,
        A pine, 16 ins. in diam., brs.S.89°E., 40 lks. dist., marked ¼ S 28 BT.
        A pine, 8 ins. in diam., brs.S.46½°W.,37 lks. dist., marked ¼ S 27 BT.

	Continue over rolling land, thru.dense timber and scattering undergrowth. Asc.15 ft.,over SE.slope.
45.00	Descend 30 ft., over NE.slope,to
59.40	Wash,100 lks.wide, course S.80°E. Desc.23 ft.,over E. slope,to
65.00	Draw, course E. Asc. 35 ft.,over SE.slope,to sec.cor.
75.00	Leave dense and enter scattering timber.
80.00	Set an iron post 3 ft.long, 2 ins. in diam., 26 ins.in the ground for cor.of secs.21,22, 27 and 28,marked

Chains.	

on brass cap,

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       T32N | R7 W
        S21 | S22
        S28 | S27
```

1920

from which,
　　　A pine, 14 ins. in diam., brs.N.24°E.,208 lks.
　　　　　dist., marked T32N R7W S22 BT.
　　　A pine,12 ins.in diam.,brs.S.72½°E.,250 lks.
　　　　　dist., marked T32N R7W S27 BT.
　　　A pine,15 ins. in diam.,brs.S.34°W.,408 lks.
　　　　　dist., marked T32N R7W S28 BT.
　　　A pine,12 ins.in diam.,brs.N.59½°W.,306 lks.
　　　　　dist., marked T32N R7W S21 BT.
Land, rolling.
Soil,sandy and gravelly,2nd and 3rd rate.
Timber,cedar and pine, dense in S.75 chs.,scattering in
　　N. 5 chs.
Undergrowth, scattering sage brush.
Fair grass.

- -

East, on a random line, bet. secs.22 and 27.

| 40.00 | Set temp. ¼ sec.cor. |
| 79.80 | Fall 9 lks. S.of the cor. of secs. 22,23,26 and 27. |

Thence,
S. 89°56'W., on a true line, bet. secs.22 and 27.
Over gently rolling land, thru. scattering timber and
　　undergrowth. Desc. 30 ft.,over W.slope.

6.80	Gully, course SW. Ascend slightly over S.slope,to
21.50	Shallow wash,course SE. Asc. 85ft. over SE.slope, to
32.00	Leave scattering, and enter dense timber.
39.90	Set an iron post, 3 ft. long, 1 in. in diam.,26 ins.in the ground, for ¼ sec.cor., marked on brass cap,

```
    ¼  S 22
    ────────
       S 27
      1920
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from which,
　　　A pine, 8 ins. in diam., brs.N.78°E.,31 lks.
　　　　　dist., marked ¼ S 22 BT.
　　　A pine,10 ins.in diam., brs.S.45°E., 23 lks.
　　　　　dist., marked ¼ S 27 BT.
Continue over gently rolling land, thru.dense timber and
　　scattering undergrowth. Ascend very gradually over
　　SE. slope.

| 78.00 | Leave dense, and enter scattering timber. |
| 79.80 | The cor.of secs.21,22, 27 and 28. |

Land,gently rolling.
Soil,sandy and gravelly, 2nd and 3rd rate.
Timber, cedar and pine, dense and scattering.
Undergrowth, scattering sage brush.
Fair grass.

- -

N.0°2'W., bet. secs. 21 and 22.
Over gently rolling land, thru. scattering timber and
　　undergrowth, ascending very gradually over SE.slope.

2.00	Leave scattering and enter dense timber.
6.00	Leave dense, and enter scattering timber.
28.00	Leave scattering and enter dense timber. Asc. 75 ft.,over S.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 ¼ sec.cor., marked on brass cap,

Chains.	

¼

S21 | S22

1920

from which,

    A pine, 12 ins. in diam., brs.S.70¼°E., 19 lks.
      dist., marked ¼ S 22 BT.
    A pine,12 ins. in diam., brs.N.55°W., 30 lks.
      dist., marked ¼ S 21 BT.

Continue over gently rolling land, thru. dense timber,and
   scattering undergrowth.
Ascend 30 ft.,over S.slope.

40.60 Top of ascent, brs.E.and W. Desc.45 ft.,over N.slope,to
63.00 Drain, course NE. Desc.50 ft., over E.slope,to
80.00 Set an iron post, 3 ft.long, 2 ins. in diam., 18 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,

T32N | R7 W
S16 | S15
S21 | S22
1920

from which,

    A pine, 6 ins. in diam., brs.N.52½°E.,33 lks.
      dist., marked T32N R7W S15 BT.
    A pine, 6 ins. in diam.,brs.S.43½°E., 35 lks.
      dist., marked T32N R7W S22 BT.
    A pine,12 ins. in in diam., brs.S.80°W.,45 lks.
      dist., marked T32N R7W S21 BT.
    A pine, 8 ins. in diam., brs.N.74½°W.,44 lks.
      dist., marked T32N R7W S16 BT.

Land,gently rolling.
Soil,sandy and gravelly, 2nd and 3rd rate.
Timber, cedar and pine, dense and scattering.
Undergrowth, scattering sage brush.
Fair grass.

- -

N.89°56'E., on a random line, bet. secs.15 and 22.
40.00 Set temp. ¼ sec.cor.
76.67 Fall 2 lks.N. of the witness cor. to cor.of secs.14,15,
   22 and 23 on W. rim of Mohawk Canyon, 3.31 chs.W.
   from true sec.cor. point.
Therefore, the random sec.line extended will at
79.98 Fall 2 lks.N.of the true point for cor.of secs.14,15,22
   and 23.
Thence,
S.89°57'W., on a true line, bet. secs.15 and 22.
Over broken and mountainous land, thru. scattering tim-
   ber and undergrowth.
Measurement of 3.31 chs. by traverse hereinbefore de-
   scribed in notes of survey of line bet.secs. 22 and
   23.
Ascend over SE.face of cliffs, to
3.31 Witness cor.to cor.of secs. 14,15,22 and 23 (W.of cor.
   point).
W.rim of Mohawk Canyon, brs.NE. and SW.
Leave broken and mountainous land, and enter gently
   rolling land and dense timber.
Ascend 50 ft.,over E.slope.
14.00 Descend 70 ft.,over W.slope.
30.92 Draw, course N. Ascend 20 ft.,over NE.slope,to
39.99 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 ¼ sec.cor., marked on brass cap,

Chains.	
	$\frac{1}{4}$ S 15 / S 22
	1920
	from which,
	A pine, 8 ins. in diam., brs.N.31°E.,52 lks.
	dist., marked $\frac{1}{4}$ S 15 BT.
	A pine, 10 ins.in diam.,brs.S.32°E.,47 lks.
	dist., marked $\frac{1}{4}$ S 22 BT.
	Continue over gently rolling land, thru. dense timber and
	scattering undergrowth. Desc. slightly over NW.slope.
57.00	Draw, course N. Asc. 50 ft.,over NE.slope.
65.90	Descend 30 ft.,over NW. slope.
73.50	Wash, 2 chs. wide, course NE. Ascend 30 ft., over E.slope,
	to
79.98	The cor.of secs.15,16,21 and 22.
	Land, E. 3.31 chs., broken and mountainous, remainder,
	gently rolling.
	Soil,gravelly and rocky, 3rd and 4th rate.
	Timber, cedar and pine, dense and scattering.
	Undergrowth, scattering sage brush.
	Fair grass.
	- -
	N.0°02'W., bet. secs. 15 and 16.
	Over rolling land, thru. dense timber and scattering
	undergrowth. Descend 20 ft.,over NE.slope.
10.00	Draw, 1.00 ch.wide, course SE. Asc.130 ft., over S.
	slope.
22.00	Spur, slopes E. Desc. 53 ft.,over N.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,
	$\frac{1}{4}$
	S16 | S15
	1920
	from which,
	A pine, 10 ins. in diam., brs.S.56°E.,40 lks.
	dist., marked $\frac{1}{4}$ S 15 BT.
	A cedar, 14 ins. in diam., brs.N.58°W.,39 lks.
	dist., marked $\frac{1}{4}$ S 16 BT.
	Continue over rolling land, thru.dense timber and scat-
	tering undergrowth. Desc.135 ft.,over N.slope.
67.50	Draw, course E. Asc.80 ft.over S.slope.
72.50	Rim rock, 10 ft.high, brs.E. and W. at top of spur,slop-
	ing E. Desc.50 ft., over N.slope,to
80.00	Set an iron post, 3 ft.long, 2 ins. in diam., 18 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,
	T32N | R7 W
	S 9 | S10
	S16 | S15
	1920
	from which,
	A pine,12 ins.in diam.,brs.N.02$\frac{1}{2}$°E.,12 lks.
	dist., marked T32N R7W S10 BT.
	A pine,6 ins.in diam., brs.S.46°E.,50 lks.
	dist., marked T 32N R7W S-15 BT
	A pine,8 ins.in diam.,brs.S.66$\frac{1}{2}$°W.,42 lks.
	dist., marked T32N R7W S16 BT.
	A pine,12 ins.in diam., brs.N.06$\frac{1}{2}$°W.,94 lks.
	dist., marked T32N R7W S9 BT.
	Land, rolling.
	Soil,gravelly,2nd and 3rd rate.

32 Part of Subdivision lines of Township 32 North, Range 7 West.

Chains.	
	Timber, dense cedar and pine. Undergrowth, scattering sage brush. Fair grass.

	N. 39°57'E., on a random line, bet. secs. 10 and 15.
40.00	Set temp. ¼ sec. cor.
03.99	Fall 24 lks. S. of point of W. rim of Mohawk Canyon, 15.91 chs. West from cor. of secs. 10, 11, 14 and 15, lo- cated by triangulation, as hereinbefore described in notes of survey of line bet. secs. 10 and 11. There- fore, the random line bet. secs. 10 and 15 extended will at
79.90	Fall 23 lks. S. of the cor. of secs. 10, 11, 14 and 15. Thence, S. 89°47'W., on a true line, bet. secs. 10 and 15. Over broken and mountainous land, thru. scattering tim- ber and undergrowth, on W. wall of Mohawk Canyon. Measurement of 15.91 chs. by triangulation. Ascend over E. face of cliffs, to
15.91	W. rim of Mohawk Canyon, brs. S. and NE. Continue line and measurement by chaining. Leave mountainous and broken land, and enter rolling land and dense timber. Descend slightly over W. slope, to
21.50	Draw, course N. Thence over N. slope, with slight change in elevation.
39.95	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 ¼ sec. cor., marked on brass cap,

$$\frac{1}{4} \frac{\text{S 10}}{\text{S 15}}$$
1920

from which,
        A pine, 10 ins. in diam., brs. S. 26°E., 39 lks.
           dist., marked ¼ S 15 BT.
        A pine, 14 ins. in diam., brs. N. 85° W., 21 lks.
           dist., marked ¼ S 10 BT.

	Continue over rolling land, thru. dense timber and under- growth. Descend 40 ft., over W. slope, to
48.00	E. rim of ravine or canyon, brs. N. and S. Leave rolling, and enter mountainous land. Desc. 210 ft., over W. slope.
57.10	Bottom of canyon, course N. Asc. 150 ft., over E. slope, to
68.90	W. rim of canyon, brs. N. and S. Leave mountainous, and enter rolling land. Desc. 40 ft., over NW. slope.
77.90	Draw, course N. near head. Ascend slightly, over N. slope, to
79.90	The cor. of secs. 9, 10, 15 and 16. Land, broken, mountainous and rolling. Soil, gravelly and rocky, 3rd and 4th rate. Timber, cedar and pine, dense and scattering. Undergrowth, scattering sage brush. Poor grass.

	N. 0°02'W., bet. secs. 9 and 10. Over rolling land, thru. dense timber and scattering undergrowth. Descend 75 ft., over N. slope.
9.80	Draw, course E. Ascend 235 ft., over S. slope.
35.00	Point of spur, slopes E. Desc. 35 ft., over N. 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 ¼ sec. cor., marked on brass cap,

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

| Chains.	
	from which,
	A cedar,10 ins.in diam.,brs.N.71¾°E.,18 lks.
	dist.,marked ¼S 10 BT.
	A cedar,12 ins.in diam.,brs.N.53½°W.,33 lks.
	dist.,marked ¼ S 9 BT.
	Continue over rolling land,thru.dense timber and scatter-
	ing undergrowth. Desc.70 ft.,over W.slope.
61.50	Draw,course NE. Asc.50 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.3,4,9 and 10,marked on brass cap,

<div align="center">

T32N | R7 W
S 4 | S 3
S 9 | S10
1920

</div>

	from which,
	A cedar,8 ins.in diam.,brs.N.32°E.,60 lks.dist.,
	marked T32N R7W S3 BT.
	A pine,10 ins.in diam.,brs.S.58½°E.,67 lks.dist.,
	marked T32N R7W S10 BT.
	A pine,12 ins.in diam.,brs.S.45¼°W.,88 lks.dist.,
	marked T32N R7W S9 BT.
	A pine,12 ins.in diam.,brs.N.43¾°W.,114 lks.dist.
	marked T32N R7W S4 BT.
	Land,rolling. Soil,gravelly,2nd and 3rd rate.
	Timber,dense cedar and pine.
	Undergrowth,scattering sage brush. Fair grass.

	N.89°47'E.,on a random line,bet.secs.3 and 10.
19.55	W.rim of canyon,brs.N.and S. The line beyond this point
	passes over cliffs,facing E.,rendering chaining im-
	practicable;therefore,triangulate as described as fol-
	lows,and as shown on the diagram hereon:
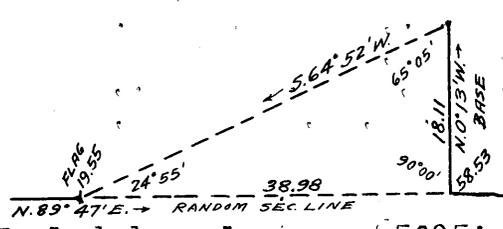
Set flag at 19.55 ch.station.
From a point ahead on random
sec.line on E.wall of can-
yon,measure a Base,N.0°13'
W.,18.11 chs.
From N.end of Base,flag brs.
S.64°52'W.

	Included angles are 65°05', 90°00' and 24°55',the sum of
	which is 180° 00'.
	Triangulated measurement on random sec.line is obtained by
	Tang.65°05'x Base or 2.15268 x 18.11=38.98 chs.,which
	added to 19.55 chs.gives 58.53 chs.,N.89°47'E.from cor.
	of secs.3,4,9 and 10 for the position of the triangu-
	lation point.
58.53	Triangulation point. Continue line and measurement by
	chaining.
79.78	Fall 30 lks.N.of the cor.of secs.2,3,10 and 11.
	Thence,West, on a true line, bet.secs.3 and 10.
	Over broken and mountainous land, thru.scattering timber
	and undergrowth,on W.wall of Mohawk Canyon.
	Ascend 150 ft.,over E.slope.
5.00	Spur,sloping N.between Mohawk Canyon on the E.and another
	canyon on the W. Leave Mohawk Canyon;desc.500 ft.over
	NW.slope to bottom of canyon.
21.25	Triangulation point. Continue chaining.
27.60	Bottom of canyon, course N.15°E.
	Ascend 275 ft.,over SE.slope,to
39.89	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
	around post, for ¼ sec.cor., marked on brass cap,

<div align="center">

¼ S 3
S 10
1920

</div>

	Discontinue chaining.
	Continue over broken and mountainous land,thru.scattering
	timber and undergrowth. Measurement by triangulation.
	Ascend over cliffs,on W.wall of canyon.
60.23	West rim of canyon,brs.S. and NE.

34. Part of Subdivision lines of Township 32 North, Range 7 West.

Chains.	
	Continue line and measurement by chaining. Leave broken and mountainous land, and enter rolling land and dense timber. Asc.85 ft., over E.slope, to
79.78	The cor.of secs.3,4,9 and 10.
	Land, broken, mountainous and rolling.
	Soil, gravelly and rocky, 2nd and 3rd rate.
	Timber, cedar and pine, scattering and dense.
	Undergrowth, scattering sage brush. Poor grass.
	From cor.of secs.4,5,32 and 33, on S.bdy.of Tp., described in Book "F,"
	N.0°03'W., bet.secs.32 and 33.
	Over roughly rolling and broken land, thru.dense timber and scattering undergrowth. Desc.30 ft., over NW.slope, along E,side of gulch. course N.
5.00	Gulch, course E. from S. Asc.85 ft., over SE.slope.
20.00	Desc.35 ft., over NE.slope.
24.00	Gulch, course SE. Asc.35 ft., over SE.slope.
32.40	Desc.20 ft., over NE.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 ¼ sec.cor., marked on brass cap,

<div align="center">

S32 | S33

1920
</div>

	from which,
	A pine, 12 ins.in diam., brs.S.03¾°E.,26 lks. dist., marked ¼ S 33 BT.
	A pine, 10 ins.in diam., brs.S.47½°W., 42 lks. dist., marked ¼ S 32 BT.
	Continue over roughly rolling land, thru.dense timber and scattering undergrowth. Desc.45 ft., over NE. slope.
51.70	Gulch, course NE. Asc.95 ft., over SE.slope.
70.00	Descend 25 ft., over N.slope, to
80.00	Set an iron post, 3 ft.long, 2 ins.in diam., 24 ins.in the ground, for cor.of secs.28,29,32 and 33, marked on brass cap,

<div align="center">

T32N | R7 W
S29 | S28
S32 | S33
1920
</div>

	from which,
	A pine, 10 ins.in diam., brs.N.21°E., 40 lks. dist., marked T32N R7W S28BT.
	A cedar, 10 ins.in diam., brs.S.39½°E., 25 lks. dist., marked T32N R7W S33 BT.
	A cedar, 8 ins.in diam., brs.S.26¼°W., 42 lks. dist., marked T32N R7W S32 BT.
	A cedar, 12 ins. in diam., brs.N.57½°W., 35 lks. dist., marked T32N R7W S29BT.
	Land, roughly rolling and broken.
	Soil, sandy, gravelly and rocky, 2nd and 3rd rate.
	Timber, dense cedar and pine.
	Undergrowth, scattering sage brush and dogwood. Fair grass.
	N.89° 58'E., on a random line, bet.secs.28 and 33.
40.00	Set temp.¼ sec.cor.
80.20	Fall 17 lks.N.of the cor.of secs.27,28,33 and 34.
	Thence, N.89°55'W., on a true line, bet.secs.28 and 33.
	Over broken and roughly rolling land, thru.dense timber and scattering undergrowth. Asc.15 ft., over E.slope.
3.00	Desc. 25 ft., over SW.slope.
8.70	Gully, course S. Asc.15 ft., over E.slope.
10.80	Desc.170 ft., over SW.slope.
16.00	Gulch, course SE. Asc.250 ft., over NE.slope.
31.50	Ascend 35 ft., over N.slope, to
40.10	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 ¼ sec.cor., marked on brass cap,

245

3510
35

Part of Subdivision lines of Township 32 North, Range 7 West.

Chains.	

$\frac{1}{4}$ S 28
S 33
1920

from which,
     A pine, 11 ins. in diam., brs. N.43°E., 54 lks.
       dist., marked $\frac{1}{4}$ S 28 BT.
     A pine, o ins. in diam., brs. S.25$\frac{1}{2}$°W., 41 lks.
       dist., marked $\frac{1}{4}$ S 33 BT.
Continue over roughly rolling land, thru. dense timber
  and scattering undergrowth. Desc. 90 ft., over NW.
    slope.

55.00   Gulch, course NE. Asc. 110 ft., over SE. slope.
72.00   Descend 40 ft., over W. slope.
78.60   Gully, course N. near head. Asc. slightly over N. slope, to
80.20   The cor. of secs. 28, 29, 32 and 33.
         Land, broken and roughly rolling.
         Soil, sandy and gravelly, 2nd and 3rd rate.
         Timber, dense cedar and pine.
         Undergrowth, scattering sage brush and dogwood.
         Fair grass.

- -

N.0°03'W., bet. secs. 28 and 29.
Over gently rolling land, thru. dense timber and scatter-
  ing undergrowth. Descend gradually over E. slope.

19.50   Leave timber.
20.00   Dim road, brs. NE. and SW.
25.00   Enter dense timber.
30.00   Draw, course E. Ascend 40 ft., over E. 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,

$\frac{1}{4}$
S29 | S28
1920

from which,
     A cedar, 16 ins. in diam., brs. N.74$\frac{3}{4}$°E., 54 lks.
       dist., marked $\frac{1}{4}$ S 28 BT.
     A cedar, 12 ins. in diam., brs. N.42°W., 46 lks.
       dist., marked $\frac{1}{4}$ S 29 BT.
Continue over gently rolling land, thru. dense timber and
  scattering undergrowth. Asc. very gradually over SE.
    slope.

60.00   Descend very gradually over NW. slope, to
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. 20, 21, 28 and 29, marked on brass
       cap,

T32N | R7 W
S20 | S21
S29 | S28
1920

from which,
     A pine, 14 ins. in diam., brs. N.26$\frac{1}{4}$°E., 83 lks.
       dist., marked T32N R7W S21 BT.
     A cedar, 16 ins. in diam., brs. S.31°E., 20 lks.
       dist., marked T32N R7W S28 BT.
     A pine, 6 ins. in diam., brs. S.37°W., 37 lks.
       dist., marked T32N R7W S29 BT.
     A pine, 8 ins. in diam., brs. N.48$\frac{1}{2}$°W., 16 lks.
       dist., marked T32N R7W S20 BT.
Land, gently rolling.
Soil, sandy, 2nd and 3rd rate.
Timber, dense pine and cedar.

246

Part of Subdivision lines of Township 32 North, Range 7 West.

Chains.	
	Undergrowth, scattering dogwood and sage brush. Fair grass.
	--
	S.89°55'E., on a random line, bet. secs.21 and 28.
40.00	Set temp.¼ sec.cor.
80.08	Fall 20 lks.S.of the cor. of secs. 21,22,27 and 28. Thence,
	S.89°54'W., on a true line, bet. secs.21 and 28. Over gently rolling land, thru.scattering timber and undergrowth. Ascend very gradually over SE. slope.
8.00	Enter dense timber, brs.SE. and NW.
17.40	Trail, brs.N. and SW.
40.04	Set an iron post, 3 ft.long, 1 in. in diam., 28 ins. in the ground for ¼ sec.cor., marked on brass cap,

$$\frac{1}{4} \text{ S } 21$$
$$\overline{\text{S } 28}$$
1920

        from which,
            A pine, 10 ins. in diam., brs.N.22°E., 43 lks.
                dist.,marked ¼ S 21 BT.
            A pine, 16 ins. in diam., brs.S.26°E., 22 lks.
                dist., marked ¼ S 28 BT.

	Continue over gently rolling land, thru. dense timber and scattering undergrowth. Ascend slightly over SE.slope.
50.00	Descend very gradually, over NW.slope,to
80.08	The cor.of secs.20,21, 28 and 29. Land, gently rolling. Soil,sandy and gravelly, 2nd and 3rd rate. Timber, dense cedar and pine. Undergrowth, scattering sage brush. Fair grass.
	--
	N.0°03'W., bet.secs.20 and 21. Over gently rolling land, thru. dense timber and scattering undergrowth. Descend slightly over NW.slope.
1.50	Draw, course W. Thence over W.slope,with slight change in elevation.
27.00	Leave timber.
39.00	Enter dense timber, brs.NE. and SW.
40.00	Set an iron post, 3 ft.long, 1 in. in diam., 28 ins.in the ground for ¼ sec.cor., marked on brass cap,

$$\frac{1}{4}$$
S20 | S21
1920

        from which,
            A pine, 12 ins. in diam., brs.N.58½°E.,63 lks.
                dist., marked ¼ S 21 BT.
            A cedar, 16 ins.in diam.,brs.S.46°W.,28 lks.
                dist., marked ¼ S 20 BT.

	Continue over gently rolling land, thru.dense timber and scattering undergrowth. Descend very gradually over NW.slope.
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.16,17,20 and 21, marked on brass cap,

T32N | R7 W
S17 | S16
S20 | S21

1920

Chains.	
	from which,
	A pine, 12 ins. in diam., brs.N.64½°E., 33 lks. dist., marked T32N R7W S16 BT.
	A pine,10 ins.in diam.,brs.S.42°E.,50 lks. dist.,marked T32N R7W S21 BT.
	A cedar,12 ins.in diam.,brs.S.35°W.,60 lks. dist., marked T32N R7W S20 BT.
	A pine,12 ins. in diam.,brs.N.77½°W.,83 lks. dist.,marked T32N R7W S17 BT.

Land, gently rolling.
Soil, sandy and gravelly, 2nd and 3rd rate.
Timber, dense cedar and pine.
Undergrowth, scattering sage brush.
Fair grass.

N.89°54'E., on a random line, bet. secs. 16 and 21.

40.00	Set temp.¼ sec.cor.
80.14	Fall 12 lks.N.of the cor. of secs.15,16,21 and 22.

Thence,
S.89°59'W., on a true line, bet. secs.16 and 21.
Over rolling land, thru. dense timber and scattering undergrowth.
Ascend 150 ft., over E.slope.

27.50	Top of ascent, brs.N.and S. Desc. 70 ft., over W.slope.
38.00	Drain, 70 lks.wide, course N. Ascend slightly over NE. slope,to
40.07	Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in the ground for ¼ sec.cor., marked on brass cap,

$$\frac{1}{4} \quad \frac{\text{S 16}}{\text{S 21}}$$
$$1920$$

from which,
A pine, 6 ins. in diam., brs.S.13½°E.,66 lks. dist., marked ¼ S 21 BT.
A pine,12 ins. in diam., brs.N.31¼°W.,37 lks. dist., marked ¼ S 16 BT.

Continue over rolling land, thru.dense timber and undergrowth. Ascend 56 ft.,over NE.slope.

55.00	Descend 72 ft., over NW.slope,to sec.cor.
60.00	Leave timber.
68.00	Enter dense timber,brs.N.and S.
80.14	The cor.of secs.16,17,20 and 21.

Land, rolling.
Soil,gravelly,2nd and 3rd rate.
Timber, dense cedar and pine.
Undergrowth, scattering sage brush.
Fair grass.

N.0°03'W., bet. secs.16 and 17.
Over gently rolling land, thru. dense timber and scattering undergrowth. Desc. very gradually over NW. slope.

21.50	Draw, course NE. Desc.30 ft.,over NE. slope,to
25.00	Draw, course NE. Desc.30 ft., over NE.slope,to
37.00	E. upper rim of Prospect Valley, brs.NE. and SW.Leave gently rolling,and enter mountainous land and scattering timber. Desc.20 ft.,over NW.slope,to
40.00	Set an iron post, 3 ft.long, 1 in. in diam., 8 ins.in the ground,to bedrock,supported in a mound of stone, for ¼ sec.cor.,marked on brass cap,

$$\frac{1}{4}$$
$$\text{S17} \mid \text{S16}$$

$$1920$$

38 ~~Part of Subdivision Lines of Township 32 North, Range 7 West.~~

Chains.	
	from which,
	A pine, 10 ins. in diam., brs. S.35½°E., 90 lks. dist., marked ¼ S 16 BT.
	A pine, 14 ins. in diam., brs. S.50½°W., 55 lks. dist., marked ¼ S 17 BT.
	Continue over mountainous land, thru. scattering timber and undergrowth, on the E. side of Prospect Valley. Descend 925 ft., over NW.slope, to
65.00	Gulch, course W. Desc. 85 ft., over W.slope, to
70.00	Gulch, course NW. Desc. 80 ft., over NW.slope, to
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, and deposit a stone marked with a cross (x) at base of post, for cor. of secs. 8,9,10 and 17, marked on brass cap,

```
              T32N | R7 W
              S 8  | S 9

              S17  | S16

                1920
```

	from which,
	A pine, 12 ins. in diam., brs. S.80½°E., 145 lks. dist., marked T32N R7W S16 BT.
	A pine, 14 ins. in diam., brs. S.70°W., 52 lks. dist., marked T32N R7W S17 BT.
	Land, S.37 chs. rolling, remainder, mountainous. Soil, sandy and gravelly, 2nd and 3rd rate. Timber, cedar and pine, dense and scattering. Undergrowth, scattering sage brush. Fair grass.

- -

	N.89°59'E., on a random line, bet. secs. 9 and 16. On account of precipitous cliffs, chaining is impracticable; therefore, triangulate as described as follows, and as shown on the diagram hereon:
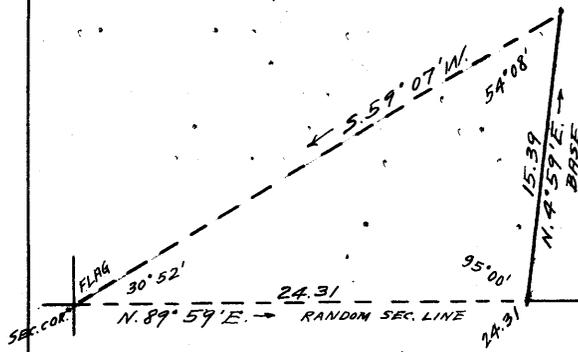
Set flag at cor. of secs. 8, 9,10 and 17.
From point ahead on random sec. line at top of cliffs, measure a Base N.4°59'E., 15.39 chs.
From N. end of Base, flag brs. S.59°07'W.
Included angles are 54°08' 95°00' and 30°52', the sum of which is 180°00'.
Vertical angle from sec. cor. to S. end of Base is + 34½°
Triangulated measurement on random sec. line is obtained by

$$\frac{\text{sine } 54°08' \text{ x Base}}{\text{sine } 30°52'} \quad \text{or} \quad \frac{.81038 \text{ x } 15.39}{.51304} = 24.31 \text{ chs.}$$

24.31	Triangulation point. Continue line and measurement by chaining.
40.00	Set temp. ¼ sec. cor.
80.20	Fall 21 lks. S. of the cor. of secs. 9,10,15 and 16. S.89°50'W., on a true line, bet. secs. 9 and 16. Over rolling and broken land, thru. dense timber and scattering undergrowth. Ascend slightly over N.slope, to
12.80	Draw, 10 lks. wide, course NE. Ascend 50 ft., over SE. slope, to
40.10	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap,

```
              ¼  | S 9

                 | S 16
                1920
```

	from which,

| Chains.	
	A pine,16 ins.in diam., brs.S.39°W., 52 lks. dist., marked ¼ S 16 BT.
	A pine,10 ins.in diam., brs.N.1½°W., 39 lks. dist., marked ¼ S 9 BT.
	Continue over rolling and broken land, thru. dense timber, and scattering undergrowth. Asc. slightly over SE. slope, to
45.00	Draw, course SE., near head. Asc. slightly over E.slope,to
55.89	Triangulation point at E. upper rim of Prospect Valley, brs.N.and S. Discontinue chaining. Leave rolling,and enter mountainous land on E. side of Prospect Valley.
	Measurement to sec.cor. by triangulation.
	Descend about 1100 ft.,over W. face of cliffs, to
80.20	The cor.of secs.8,9,16 and 17.
	Land, rolling,broken and mountainous.
	Soil,sandy,gravelly and rocky,2nd,3rd and 4th rate.
	Timber, dense cedar and pine.
	Undergrowth,scattering sage brush. Fair grass.

N.0°3'W. bet. secs. 8 and 9.
Over broken and mountainous land, thru. scattering timber
    and undergrowth, on E. side of Prospect Valley,
Cliffs and gulches render chaining impracticable; there-
    fore,triangulate the measurement of part of the line
    as described as follows, and as shown on the diagram
    hereon:
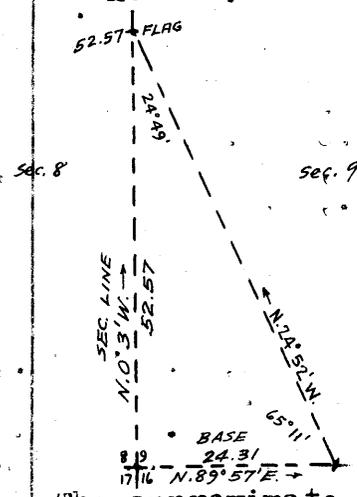
Set flag ahead on sec.line.
From cor.of secs.8,9,16 and 17,
    measure a Base, N.89°57'E.,
    24.31 chs.
From E. end of Base, flag brs.
    N.24°52'W.
Included angles are 65°11.,90°
    00' and 24°49', the sum of
    which is 180°00'.
Triangulated measurement on sec.
    line is obtained by
Tang.65° 11' x Base or 2.16255
    x 24.31 = 52.57 chs.

The approximate positions of the topographical features
    on the sec.line are as follows:

1.50	Gulch, course NW. from E. Ascend over cliffs,facing W.
10.00	Gulch, course W. Continue ascent over W.face of cliffs.
20.00	Gulch, course SW. Ascend over SW. face of cliffs.
35.00	Head of gulch, course SW. Continue ascent over SW. face of cliffs.
40.00	True point for ¼ sec.cor. falls on face of cliffs,and is inaccessible.
	Chaining on sec.line from 52.57 ch.station toward point for ¼ sec.cor. being impracticable, obtain measurement to the nearest accessible point on sec.line, for witness cor. by triangulation, as described as follows,and as shown on the diagram hereon:
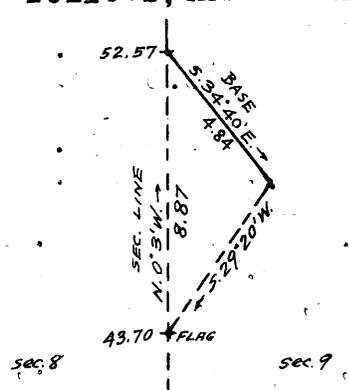
From 52.57 ch. station on sec.
    line, measure a Base S.34°40'
    E., 4.84 chs.
Set flag on sec.line,S.0°3'E.
    from 52.57 ch.station.
From SE.end of Base,flag brs.S.
    29°20'W.
Included angles are 116°00',29°
    23' and 34°37', the sum of
    which is 180°00'.
Triangulated dist. on sec.line
    is obtained by

$$\frac{\text{sine }116°00' \text{ x Base}}{\text{sine }29°23'} \text{ or } \frac{.89879 \text{ x } 4.84}{.49065} = 8.87 \text{ chs.,}$$

40   Part of Subdivision lines of Township 32 North, Range 7 West.

| Chains.	
	which subtracted from 52.57 chs. gives 43.70 chs. N.0° 3' W. from cor. of secs. 8,9,16 and 17, for the position of the flag point of this triangulation.
43.70	Top of cliff, bearing NW. and SE. This being the nearest accessible point to the ¼ sec. cor. point, set an iron post 3 ft. long, 1 in. in diam., 12 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 witness cor. to ¼ sec. cor., marked on brass cap,

<center>

¼

S 8 | S 9
W | C
1920

</center>

	Continue line and measurement by triangulation.
	Ascend over SW. face of cliffs.
52.57	Triangulation point at top of cliffs, bearing NW. and SE.
	Continue line and measurement by chaining.
	Ascend 70 ft., over SW. slope, to
56.68	E. upper rim of Prospect Valley, brs. NW. and SE., at top of spur, sloping NW.
	Beyond this point, the line passes over two series of cliffs, facing NE. and chaining is impracticable; therefore, triangulate as described as follows, and as shown on the diagram hereon:
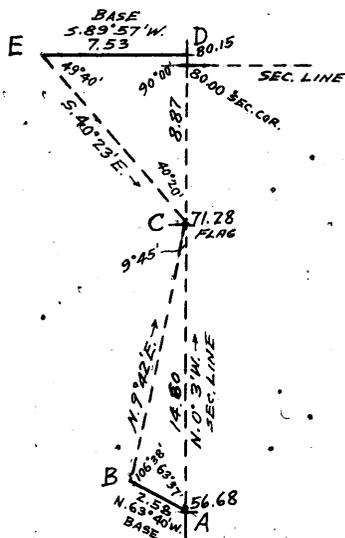
Set flag ahead on sec. line, at top of second series of cliffs, indicated on diagram at "C."

From 56.68 ch. station indicated at "A," measure a Base, N.03° 40'W., 2.58 chs. to point "B."

From point "D" ahead on sec. line beyond and near the foot of second series of cliffs, measure a Base, S.89°57'W., 7.53 chs. to "E."

Bearing "B-C" = N.9° 42'E.

Bearing "E-C" = S.40°23'E.

Vertical angle "A" to "C" = -30°.
Vertical angle "C" to "D" = - 43½°.
Included angles of triangle "A-B-C" are 63° 37', 106°38' and 9°45', the sum of which is 180°00'.
Included angles of triangle "C-D-E" are 40°20', 90°00' and 49°49', the sum of which is 180°00'.
Triangulated measurement "A-C" is obtained by

$$\frac{\text{sine } 106° 38' \text{ x Base}}{\text{sine } 9°45'} \quad \text{or} \quad \frac{.95816 \text{ x } 2.58}{.16935} = 14.60 \text{ chs.,}$$

which added to 56.68 chs. gives 71.28 chs. N.0°3'W., from cor. of secs. 8,9,16 and 17, for the position of point "C."

| 71.28 | Flag point "C" of above described triangulation, at top of series of cliffs, bearing NW. and SE. facing NE. |
	This point is about 560 ft. below 56.68 ch. station.
	Triangulated measurement "C-D" is obtained by
	Tang. 49° 40' x Base or 1.17777 x 7.53 = 8.87 chs., which added to 71.28 chs., gives 80.15 chs. N.0°3'W. from cor. of secs. 8,9,16 and 17 for the position of triangulation point "D," or 0.15 chs. N.0°3'W. from point for cor. of secs. 4,5, 8 and 9.
	From said triangulation point, chain measurement, S.0°3'E., 0.15 chs. 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. 4,5, 8 and 9, marked on brass cap,

Chains.

T32N | R7W
S 5 | S 4
S 8 | S 9
1920

from which,
    A pine,12 ins. in diam.,brs.N.35°E.,42 lks.
      dist., marked T32N R7W S4 BT.
    A pine,12 ins.in diam.,brs.S.51½°E.,56 lks.
      dist., marked T32N R7W S9 BT.
    A pine,8 ins.in diam.,brs.S.69°W., 89 lks.
      dist., marked T32N R7W S8 BT.
    A pine, 10 ins. in diam., brs.N.87°W.,31 lks.
      dist.,marked T32N R7W S5 BT.
This cor.is 550 ft. below 71.28 ch. station.
Land,broken and mountainous.
Soil,rocky,4th rate.
Timber, scattering cedar and pine.
Undergrowth, scattering sage brush.
No grass.

- -

N.89°50'E., on a random line, bet. secs.4 and 9.
The west half of the line passes over W.face of cliffs,
   and chaining is impracticable; therefore,triangulate
   as described as follows, and as shown on the diagram
   hereon:
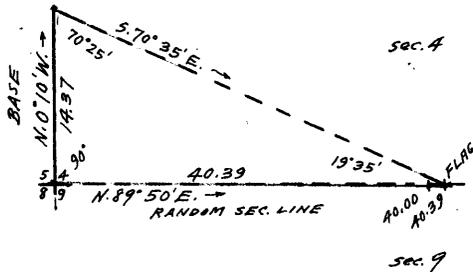
Set flag ahead on random
   line above and beyond top
   of cliffs.
From cor.of secs.4,5,8 and
   9,measure a Base N.0°10'
   W.,14.37 chs.
From N.end of Base,flag brs.
   S.70°35'E.
Included angles are 70°25',
   19°35' and 90°00', the
   sum of which is 180°00'.

Triangulated measurement on random sec.line is obtained
   by
Tang. 70°25' x Base or 2.81091 x 14.37 = 40.39 chs.
From triangulation point at 40.39 ch.station,chain meas-
   urement,
S.89°50'W., 0.39 chs. to

| 40.00 | Set temp.¼ sec.cor. |

Thence,
N.89°50'E., continuing measurement from cor.of secs.4,5,
   8 and 9, by chaining.

| 80.38 | Fall 12 lks.N.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 rolling land, thru. scattering timber and under-
   growth.
Ascend 40 ft., over NE.slope.

4.00	Descend 15 ft.,over NW.slope.
7.50	Draw, course NW. Ascend 15 ft.,over NE.slope.
14.00	Descend 50 ft., over NW.slope.
18.70	Draw, course N. Thence over N.slope, with slight change

   in elevation.

| 30.00 | E. upper rim of Prospect Valley, brs.N.and SW. Leave |

   rolling,and enter broken and mountainous land.
Descend 330 ft., over precipitous W.slope,to

| 40.19 | Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in |

   the ground for ¼ sec.cor., marked on brass cap,

¼ | S 4
    | S 9
   1920

from which,
    A pine, 12 ins. in diam., brs.N.55½°E., 129
      lks.dist., marked ¼ S 4 BT.

Chains.	
	and raise a mound of stone 2 ft.base, 1½ ft.high,N. of cor.
	Discontinue chaining. Continue over broken and mountainous land, thru.scattering timber and undergrowth. Descend over W. faces of cliffs on E. side of Prospect Valley.
	Measurement of remainder of line by triangulation.
75.00	(Approx.) Gulch, course NW. Asc. over NE.slope, to
80.38	The cor.of secs.4,5,8 and 9.
	Land, E. 30 chs. rolling; remainder,broken and mountainous.
	Soil, gravelly and rocky, 3rd and 4th rate.
	Timber, scattering cedar and pine.
	Undergrowth, scattering sage brush.
	Poor grass.

- -

From the cor.of secs. 5,6,31 and 32, on S. bdy.of Tp., described in Book "F,"

N.0°03'W.,bet.secs.31 and 32.

Over broken and mountainous land, thru. scattering timber and undergrowth,on E. side of Prospect Valley.

The beginning of the sec.line passes over SW. and W.faces of cliffs, and chaining is impracticable; therefore, obtain measurement of a portion of the line by a traverse along foot of cliffs in sec.31, as described as follows, and as shown on the diagram hereon:

From cor.of secs.5,6,31 and 32,
N. 27°W., 3.70 chs.
Thence;
N.15¾°W., 10.86 chs.
Thence,
N.5°W., 1.93 chs.
Thence,
N.20°E.,1.78 chs.
Thence,
N.59°E., 4.87 chs.
returning to point on sec. line at
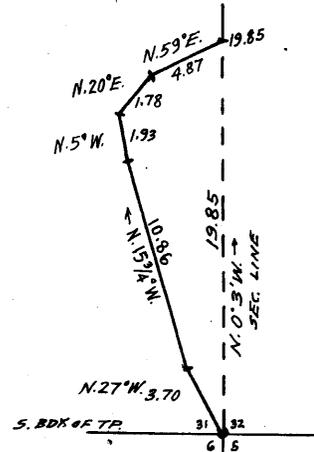
19.85	Foot of cliffs, brs.NE. and SW.
	Thence,
	N.0°3'W., bet. secs.31 and 32, continuing measurement from cor.of secs.5,6,31 and 32.
	Descend 250 ft., over NW.slope,to
26.60	Gulch, course NW. Descend 185 ft., over broken NW.slope, to
40.00	Gulch, course NW. Set an iron post, 3 ft.long, 1 in. in diam., 24 ins. in the ground for ¼ sec.cor.,marked on brass cap,

¼
S31│S32

1920

from which,
A pine, 8 ins. in diam., brs.N.72°E.,36 lks. dist., marked ¼ S 32 BT.
A pine,10 ins.in diam., brs.N.86½°W.,126 lks. dist., marked ¼ S 31 BT.

	Continue over broken and mountainous land,thru.scattering timber and undergrowth,on E.side of Prospect Valley.
	Descend 365 ft.,over broken NW. and N.slope,to
76.00	Shallow wash, course NW. Leave broken and mountainous land, and enter gently rolling land on bench, bearing N. and S. Enter dense timber.
80.00	Set an iron post, 3 ft.long, 2 ins. in diam.,over cross

Chains.	
	(x) marked on surface rock, and raise a mound of stone around post for cor. of secs.29,30,31 and 32,marked on brass cap,

<div align="center">

T32N	R7 W
S30	S29
S31	S32
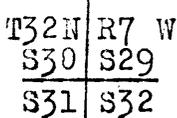
1920
</div>

from which,
      A pine, 8 ins. in diam.,brs.N.47½°E.,51 lks.
         dist., marked T32N R7W S29 BT.
      A pine,14 ins.in diam.,brs.S.55°E.,152 lks.
         dist., marked T32N R7W S32 BT.
      A pine,6 ins.in diam.,brs.S.52°W., 44 lks.
         dist., marked T32N R7W S31 BT.
      A pine, 14 ins.in diam.,brs.N.24°W.,27 lks.
         dist., marked T32N R7W S30 BT.
Land,S.76 chs.,broken and mountainous, remainder,gently
   rolling.
Soil, gravelly and rocky, 3rd and 4th rate.
Timber, cedar and pine, scattering and dense.
Undergrowth, scattering sage brush.
Poor grass.

| 6.00 | N.89°58'E., on random line, bet. secs.29 and 32.
Gulch, course NW. Beyond this point, the line passes over steep W.slope,broken by cliffs,and chaining is impracticable; therefore, triangulate as described as follows,and as shown on the diagram hereon: |


Set flag at a point 5.08 chs.S.89°58'W.,from the cor. of secs.29,30,31 and 32.
From a point ahead on random sec.line, above and beyond top of cliffs, measure a Base,N.0°2'W., 13.02 chs.
From N end of Base,flag brs. S.78°26'W.
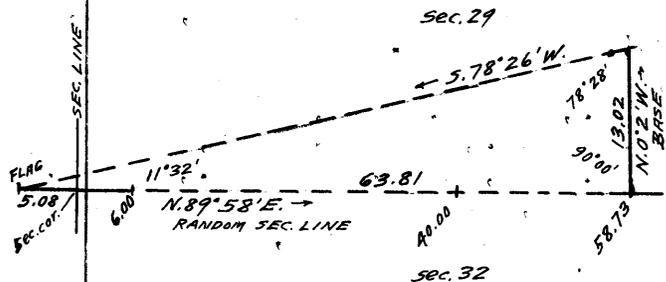
Included angles are 78°28',90°00' and 11°32', the sum of
   which is 180°00'.
Triangulated dist. on random sec.line is obtained by
Tang. 78°28' x Base or 4.9005x 13.02 = 63.81 chs.
63.81 chs. - 5.08 chs. = 58.73 chs.

| 40.00 | Point for temp.¼ sec.cor. falls on face of cliffs and is inaccessible. |
| 58.73 | Triangulation point.
Continue line and measurement, by chaining. |
| 79.92 | Fall 9 lks.S. of the cor. of secs.28,29,32 and 33.
Thence,
S.89°54'W., on true line, bet. secs.29 and 32.
Over gently rolling land, thru. scattering timber and undergrowth. Ascend slightly over NE.slope. |
| :8.80 | Dim road, brs.N.and S. |
| 10.00 | Descend 50 ft.,over NW.slope,to |
| 21.19 | Triangulation point at E.upper rim of Prospect Valley, brs.N.and S.
Leave gently rolling,and enter broken and mountainous land.
Continue line and measurement by chaining.
Descend 515 ft.,over steep W.slope,to |
| 34.40 | Top of cliffs,bears N.and S. facing W. This being the nearest accessible point to the ¼ sec.cor. point, 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 witness cor.to ¼ sec.cor., marked on brass cap, |

$$WC\frac{1}{4}\frac{S\ 29}{S\ 32}$$
1920

from which,
 A pine, 14 ins. in diam., brs. N.77°E., 60 lks.
  dist., marked WC ¼ S 29 BT.
 A pine, 10 ins. in diam., brs. S.57°W., 26 lks.
  dist., marked WC ¼ S 32 BT.
Discontinue chaining.
Descend over cliffs, facing W., measurement by triangula-
  tion.

Chains	
39.96	True point for ¼ sec. cor. falls on face of cliff, and is inaccessible.
73.92	Gulch, course NW. at foot of steep W. slope.

Continue line and measurement by chaining.
Leave broken and mountainous land, and enter rolling
 land on bench, bearing N. and S.
Ascend 40 ft., over NE. slope, to

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

Land, gently rolling and broken, and mountainous.
Soil, gravelly and rocky; 3rd and 4th rate.
Timber, scattering cedar and pine.
Undergrowth, scattering sage brush.
Poor grass.

S.89° 58'W., on a random line, bet. secs. 30 and 31.

40.00	Set temp. ¼ sec. cor.
78.03	Fall 7 lks. N. of the cor. of secs. 25, 30, 31 and 36 on W. bdy. of Tp., hereinbefore described.

Thence,
N.89°55'E., on a true line, bet. secs. 30 and 31.
Over nearly level bottom of Prospect Valley, thru. scat-
 tering undergrowth.

23.00	Leave nearly level, and enter rolling land and scattering timber. Asc. 70 ft., over N. slope, to
33.15	Wash, course N. Asc. 25 ft., over W. slope, to
38.03	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 ¼ sec. cor., marked on brass cap,

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

from which,
 A cedar, 10 ins. in diam., brs. N.77°E., 76 lks.
  dist., marked ¼ S 30 BT.
 A cedar, 14 ins. in diam., brs. S.23¼°W., 78 lks.
  dist., marked ¼ S 31 BT.
Continue over rolling land, thru. scattering timber and
 undergrowth. Ascend 10 ft., over W. slope, to

39.15	Foot of steep broken W. slope, brs. N. and S. Leave rolling, and enter broken and mountainous land. Asc. 325 ft. to
49.20	Top of cliffs, bears N. and S. Leave broken and mountainous land, and enter rolling land on bench bearing N. and S. Desc. 20 ft., over S. slope.
52.50	Gully, course S. near head. Asc. 10 ft., over W. slope.
58.00	Descend 20 ft., over E. slope.
69.00	Gully, course N. Asc. slightly over N. slope, to
75.50	Gulch, course NW. Asc. 30 ft., over NW. slope, to
78.03	The cor. of secs. 29, 30, 31 and 32.

Land, nearly level, rolling, broken and mountainous.
Soil, gravelly, 2nd rate.
Timber, scattering cedar and pine.
Undergrowth, scattering sage brush and cactus.
Fair grass.

Part of Subdivision lines of Township 32 North, Range 7 West.   45

Chains.	
	N.0°03'W.,bet.secs.29 and 30.
	Over rolling land broken land, thru. scattering timber and undergrowth, on bench, bearing N and S. on E. side of Prospect Valley. Desc. 60 ft., over N. slope.
2.50	Gulch, course NW. Asc. 60 ft., over SW. slope.
7.20	Descend 45 ft., over NW. slope.
11.50	Gulch, course W Ascend 56 ft., over SW. slope.
15.00	Descend 34 ft., over NW. slope.
18.00	Gulch, course W. Ascend 50 ft., over SW. slope.
23.00	Descend 60 ft., over NW. slope.
28.50	Gulch, course W. Ascend 40 ft., over SW. slope.
33.70	Descend 20 ft., over NW. slope.
35.00	Gulch, course W. Ascend 35 ft., over SW. slope, to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$$\frac{1}{4}$$
$$S30 \mid S29$$
$$1920$$

from which,
A pine, 8 ins. in diam., brs. N.46°E., 176 lks. dist., marked $\frac{1}{4}$ S 29 BT.
A pine, 13 ins. in diam., brs. S.26°W., 29 lks. dist., marked $\frac{1}{4}$ S 30 BT.

Continue over broken and rolling land, thru. scattering timber and undergrowth, on bench bearing N. and S. on E. side of Prospect Valley.
Ascend 46 ft., over SW. slope.

50.00	Descend 60 ft., over NW. slope.
59.00	Gulch, course W. Ascend 75 ft., over SW. slope.
65.60	Descend 25 ft., over NW. slope.
69.00	Gulch, course SW. Ascend 90 ft., over S. slope.
75.50	Spur, slopes W. Descend 60 ft., over N. slope, to
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground for cor. of secs. 19, 20, 29 and 30, marked on brass cap,

$$T32N \mid R7 \; W$$
$$S19 \mid S20$$
$$S30 \mid S29$$
$$1920$$

from which,
A pine, 10 ins. in diam., brs. N.77$\frac{3}{4}$°E., 58 lks. dist., marked T32N R7W S20 BT.
A pine, 12 ins. in diam., brs. S.34$\frac{3}{4}$°E., 64 lks. dist., marked T32N R7W S29 BT.
A pine, 8 ins. in diam., brs. S. 39°W., 104 lks. dist., marked T32N R7W S30 BT.
A pine, 9 ins. in diam., brs. N.78$\frac{1}{4}$°W., 18 lks. dist., marked T32N R7W S19 BT.
Land, broken and rolling. Soil, gravelly and rocky, 3rd and 4th rate. Timber, scattering cedar and pine.
Undergrowth, scattering sage brush. Poor grass.

- -

| | N.89°54'E., on a random line, bet. secs. 20 and 29. |
| 3.00 | Gully, course NW. Beyond this point, the line passes over steep W. slope, broken by cliffs, and chaining is impracticable; therefore, triangulate as described as follows, and as shown hereon: |
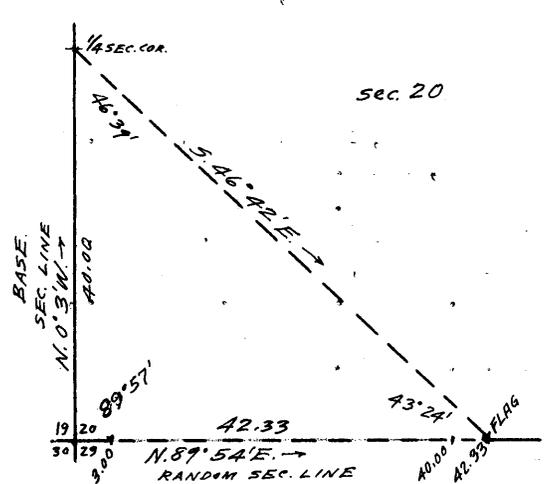
Set flag ahead on random sec. line above and near the top of cliffs.
From cor. of secs. 19, 20, 29 and 30, measure a Base, N. 0°3'W., 40.00 chs. on sec. line, bet. secs. 19 and 20 to the point for $\frac{1}{4}$ sec. cor. thereof. From N. end of Base, flag brs. S.46° 42'E.
Included angles are 46°39', 43°24' and 89°57', the sum of which is 180°00'

48. Part of Subdivision lines of Township 32 North, Range 7 West.

| Chains.	
	Vertical angle from sec.cor.to flag is + 22°.
	Triangulated measurement on random sec.line is obtained by
	$\dfrac{\text{sine } 46° 39' \text{x Base}}{\text{sine } 43° 24'}$ or $\dfrac{.72717 \times 40.00}{.68709}$ = 42.33 chs.
40.00	Point for temp.¼ sec.cor.falls on face of cliff,and is inaccessible.
42.33	Flag point of above described triangulation.
	Continue line and measurement by chaining.
79.80	Fall 14 lks.N.of the cor.of secs.20,21,28 and 29.
	Thence,West on a true line, bet. secs.20 and 29.
	Over rolling land,thru.scattering timber and undergrowth.
	Descend gradually along S.side of draw.
8.70	Draw, course SW.from E. Desc.40 ft.,over S.slope,to
19.60	Draw, course S. Asc. 60 ft.,over E.slope, to
27.50	E.upper rim of Prospect Valley,brs.N.and S. Leave rolling, and enter broken and mountainous land,on E.side of Prospect Valley. Desc.420 ft.over W.slope to witness cor.
37.47	Triangulation point. Continue chaining to top of cliff.
37.50	Set an iron post,3 ft.long,1 in.in diam.,in mound of stone, for witness cor.to ½sec.cor.,marked on brass cap,
	$WC¼ \dfrac{S\ 20}{S\ 29}$ 1920
	from which,
	A cedar,12 ins.in diam.,brs.N.68½°E.,8 lks. dist.,marked WC¼ S20 BT.
	A pine,4 ins.in diam.,brs.S.9¼°W.,47 lks. dist.,marked BT.
38.00	Top of cliff,brs.N.and S.facing W.Discontinue chaining and triangulate measurement across cliffs.Desc.about 1300 ft.
39.90	True point for ¼ sec.cor.falls on face of cliff,and is inaccessible.
76.80	Gully,course NW.at foot of steep broken W.slope.Leave broken and mountainous land,and enter rolling land on bench,bearing N.and S. Asc.15 ft.,over N.slope,to
79.80	The cor.of secs.19,20,29 and 30.
	Land,rolling,broken and mountainous.
	Soil,gravelly and rocky,3rd and 4th rate.
	Timber,scattering cedar and pine.
	Undergrowth,scattering sage brush. Poor grass.

	S.89°55'W.,on a random line, bet. secs.19 and 30.
40.00	Set temp.¼ sec.cor.
77.97	Fall 2 lks.N.of the cor.of secs.19,24,25 and 30,on W.bdy. of Tp.,hereinbefore described.
	Thence,
	N.89°54'E.,on a true line,bet.secs.19 and 30.
	Over rolling land,thru.scattering undergrowth,on W.side of Prospect Valley. Desc.120 ft.,over E.slope.
14.00	W. bank of wash,7 ft.high,brs.N.and S. Thence across main wash of Prospect Valley,course N.
15.60	E.bank of wash,5 ft.high,brs.N.and S. Leave wash. Thence over rolling land on E.side of Prospect Valley. Asc. slightly over NW.slope,to
37.97	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 ¼ sec.cor., marked on brass cap,
	$¼\dfrac{S\ 19}{S\ 30}$ 1920
	and raise a mound of stone,2 ft.base,1½ft.high,N.of cor.
	Continue over rolling land,thru.scattering undergrowth, on E.side of Prospect Valley. Ascend slightly to
40.60	Wash,course NW. Ascend 35 ft.,over NW.slope,to
46.00	Wash, course NW. Leave rolling,and enter broken and mountainous land,bearing N.and S. Asc.400 ft.,over steep W.slope. Enter scattering timber.
58.20	Top of steep ascent,brs.N.and S. Leave broken and

Chains.	

mountainous land,and enter rolling and broken land on
bench, bearing N.and S. Ascend 100 ft. over NW.slope,
to

77.97 | The cor.of secs.19,20, 29 and 30.

Land, rolling,broken and mountainous.
Soil,gravelly and rocky, 3rd and 4th rate.
Timber, scattering cedar and pine,where noted.
Undergrowth, scattering sage brush.
Fair grass in W. 46 chs.

N.0°03' W., bet. secs.19 and 20.
Over rolling and broken land, thru. scattering timber and
undergrowth,on bench, bearing N.and S. on E.side of
Prospect Valley. Descend 20 ft.,over N.slope.

1.70 | Gully, course NW. Descend 35 ft.,over W.slope,to
17.50, | Gully, course W. Asc. 80 ft.,over W.slope,to
40.00 | 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 ½ sec.cor., marked on brass cap,

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

S19 | S20

1920
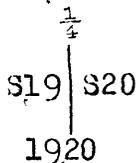
from which,
A pine,10 ins. in diam., brs.N.80°E.,111 lks.
dist., marked ¼ S 20 BT.
A pine,10 ins.in diam., brs.S.74½°W., 44 lks.
dist., marked ¼ S 19 BT.
Continue over rolling and broken land, thru.scattering
timber and undergrowth,on bench, bearing N.and S.
Descend 40 ft., over W.slope,to

49.50 | Gully, course W. Ascend 70 ft., over SW.slope.
72.40 | Descend 20 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. 17,18,19 and 20, marked
on brass cap,

T32N | R7 W
S18 | S17
S19 | S20
1920
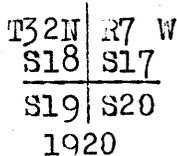
A pine, 12 ins. in diam., brs.N.78°E.,210 lks.
dist., marked T32N R7W S17 BT.
A cedar, 8 ins. in diam.,brs.S.60½°E.,210 lks.
dist., marked T32N R7W S20 BT.
A pine,14 ins. in diam.,brs.N.57°W.,543 lks.
dist., marked T32N R7W S18 BT.
and raise a mound of stone, 2 ft.base, 1½ ft.high,W.of
cor.
Land, rolling and broken.
Soil,gravelly,2nd and 3rd rate.
Timber, scattering cedar and pine.
Undergrowth, scattering sage brush.
Fair grass.

East, on random line, bet. secs.17 and 20.
34.70 | Base of cliffs, brs. NE. and S. The line beyond this
point passes over face of cliffs,and chaining is
impracticable; therefore, triangulate as described as
follows,and as shown on the diagram hereon:

Set flag ahead on random
sec.line at top of cliffs.

48 Part of Subdivision lines of Township 32 North, Range 7 West.

Chains.	
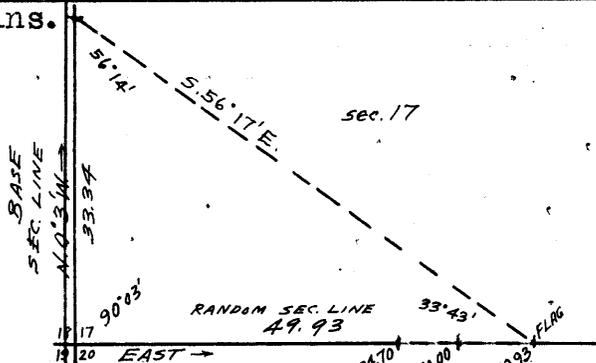
From cor. of secs. 17, 18, 19 and 20, measure a Base, N. 0°3'W., 33.34 chs. on sec. line, bet. secs. 17 and 18. From N. end of Base, flag brs. S. 56° 17' E. Included angles are 56°14', 33°43' and 90°03', the sum of which is 180°00'

Vertical angle from sec. cor. to flag is + 26°.
Vertical angle from sec. cor. to base of cliffs is + 18½°.
Triangulated measurement on random sec. line is obtained by

$$\frac{\text{sine } 56°14' \times \text{Base}}{\text{sine } 33°43'} \quad \text{or} \quad \frac{.83131 \times 33.34}{.55509} = 49.93 \text{ chs.}$$

|	
40.00	Point for temp. ¼ sec. cor. falls on face of cliffs, and is inaccessible.
49.93	Flag point of above described triangulation. Continue line and measurement by chaining.
79.94	Fall 7 lks. S. of the cor. of secs. 16, 17, 20 and 21. Thence, S. 89°57'W., on a true line, bet. secs. 17 and 20. Over gently rolling land, thru. dense timber and scattering undergrowth. Descend slightly over NW. slope.
5.00	Ascend 35 ft., over NE. slope.
12.50	Descend 15 ft., over W. slope.
14.50	Drain, course NE. Ascend slightly over NE. slope, to
24.20	Drain, course NE. Ascend slightly, over E. slope, to
30.00	Triangulation point at E. upper rim of Prospect Valley, bearing NE. and S. Leave gently rolling and enter broken and mountainous land, and scattering timber. Discontinue chaining and triangulate. Desc. 840 ft. to base of cliffs.
39.97	True point for ¼ sec. cor. falls on face of cliff, and is inaccessible; therefore, at
45.24	Base of cliffs, brs. NE. and S. This being the nearest accessible point to ¼ sec. cor. point, Set an iron post 3 ft. long, 1 in. in diam., 10 ins. in the ground, to bed rock, deposit a stone marked with cross (x) at base of post, and raise a mound of stone around post, for witness cor. to the ¼ sec. cor., marked on brass cap,

¼ $\frac{\text{S 17}}{\text{S 20}}$ WC
1920

Continue line and measurement by chaining.
Over broken and mountainous land, thru. scattering timber and undergrowth.
Descend 680 ft., over steep broken W. slope, to

65.00	Foot of steep descent, brs. N. and S. Leave broken and mountainous, and enter rolling land on bench, bearing N. and S. Desc. 87 ft., over W. slope, to
79.94	The cor. of secs. 17, 18, 19 and 20. Land, rolling, broken and mountainous. Soil, gravelly and rocky, 3rd and 4th rate. Timber, cedar and pine, dense and scattering. Undergrowth, scattering sage brush. Poor grass.

- -

S. 89°54' W., on random line, bet. secs. 18 and 19.

14.09	Rim of bench, brs. N. and S. The line beyond this point passes over cliffs, facing W., and chaining is impracticable; therefore, triangulate as described as follows, and as shown on the diagram hereon:

Chains.	
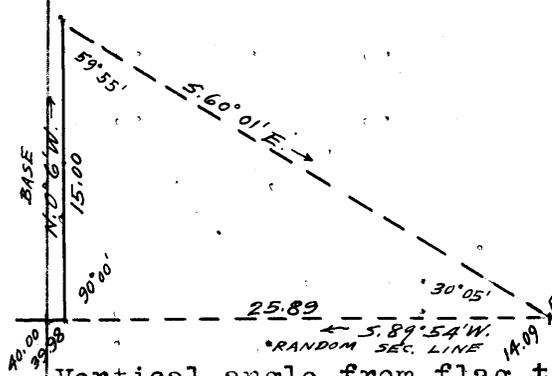
Set flag at 14.09 ch.station,
  on random sec.line.
From point ahead on random line
  at base of cliffs,measure a
  Base,N.0°6'W.,15.00 chs.
From N.end of Base, flag brs.
  S.60°01'E.
Included angles are 59°55' 30'
  05' and 90°00', the sum of
  which is 180°00'.

Vertical angle from flag to S.end of base is - 20½°.
Triangulated measurement on random sec.line is obtained
  by Tang. 59° 55' x Base or 1.72625 x 15.00 = 25.89
  chs., which added to 14.09 chs. gives 39.98 chs. S.89°
  54'W. from cor.of secs. 17,18,19 and 20 for the posi-
  tion of the triangulation point on random line at base
  of cliffs.

39.98 — Triangulation point.
Continue line and measurement by chaining.

40.00 — Set temp. ¼ sec.cor.

78.02 — Fall 14 lks.S.of ¼ cor.of secs. 13,18,19 and 24, on W.
  bdy.of Tp., hereinbefore described.
Thence,
East, on a true line, bet. secs.18 and 19.
Over rolling land, thru. scattering undergrowth,on W.side
  of Prospect Valley. Desc.40 ft.,over E.slope.

16.00 — West bank of wash, 4 ft.high, brs.N.and S. Thence across
  main wash of Prospect Valley, course N.

17.30 — E. bank of wash, 4 ft.high, brs.N.and S. Leave wash. Asc.
  70 ft.,over W.slope,to

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

$$\tfrac{1}{4} \quad \frac{\text{S 18}}{\text{S 19}}$$
$$1920$$

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

38.04 — Triangulation point at base of cliffs, bearing N.and S.
  facing W. Discontinue chaining. Leave rolling,and
  enter broken and mountainous land.   Triangulate
  measurement, ascending 640 ft. over face of cliffs,to

63.93 — Triangulation point at top of cliffs, and rim of bench,
  brs.N.and S. Leave broken and mountainous land,and
  enter rolling land and scattering timber on bench,
  bearing N.and S. Measurement to sec.cor. by chaining.
  Asc.90 ft., over W.slope,to

78.02 — The cor. of secs. 17,18, 19 and 20.
Land, W.38 chs. and E. 14 chs. rolling; remainder,broken.
Soil,sandy,gravelly and rocky, 2nd.3rd and 4th rate.
Timber, scattering cedar and pine in E.14 chs.
Undergrowth, scattering sagebrush.
Fair grass in W. 38 chs.

- -

N.0°03' W., bet. secs.17 and 18.
Over rolling and broken land, thru. scattering timber
  and undergrowth, on bench bearing N.and S. on E. side
  of Prospect Valley.
Descend slightly over W.slope,to

14.00 — Desc. 80 ft., over NW.slope, to

28.00 — Gulch, course W. Asc. 75 ft., over SW.slope,to

33.67 — Desc.52 ft.,over NW.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 ¼ sec.cor., marked on brass cap,

$$\tfrac{1}{4}$$
$$\text{S18} \mid \text{S17}$$
$$1920$$

50   Part of Subdivision lines of Township 32 North, Range 7 West.

Chains.	
	, from which,
	A pine, 16 ins. in diam.,brs.N.19½°E.,100 lks. dist., marked ¼ S 17 BT.
	A cedar, 6 ins. in diam., brs.N.35°W.,54 lks. dist., marked ¼ S 18 BT.
	Continue over rolling and broken land,thru.scattering timber and undergrowth, on bench bearing N.and S,on E. side of Prospect Valley.
	Descend very gradually, over W.slope,to
74.00	Rim of bench, brs. NE. and SW. Leave rolling,and enter broken and mountainous land. Desc. 280 ft.over NW. 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.7,8,17 and 18, marked on brass cap,

```
        T32N │ R7 W
        S 7  │ S 8
        ─────┼─────
        S18  │ S17
             1920
```

	from which,
	A pine, 14 ins. in diam., brs.S.7½°W.,207 lks. dist., marked T32N R7W S18 BT.
	A pine, 14 ins.in diam.,brs.N.81½°W.,121 lks. dist., marked T32N R7W S7 BT.
	Land,S.74 chs.,rolling and broken; remainder,broken and mountainous.
	Soil,sandy,gravelly and rocky, 2nd, 3rd and 4th rate.
	Timber, scattering cedar and pine.
	Undergrowth, scattering sage brush.
	Fair grass.

	N.89°57'E., on a random line, bet. secs.8 and 17.
40.00	Set temp.¼ sec.cor.
80.08	Fall 12 lks.N.of the cor.of secs.8,9,lo and 17.
	Thence,
	N.89°58'W., on a true line, bet. secs.8 and 17.
	Over broken and mountainous land, thru. scattering undergrowth, on E. side of Prospect Valley.
	Descend 430 ft., over W.slope,to
28.00	Gulch, course NW. Desc. 92 ft.,over NW.slope,to
40.04	Set an iron post, 3 ft.long, 1 in. in diam., 10 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 ¼ sec.cor., marked on brass cap,

```
       ¼  S  8
          ─────
          S 17
          1920
```

	Continue over broken and mountainous land, thru. scattering undergrowth. Descend 84 ft.,over NW.slope,to
47.00	Gulch, course NW. Enter scattering timber. Asc. 40 ft., over NE.slope,to
51.00	Top of sandstone bluff, 20 ft. high, brs.NE. and SW.,facing NW.
	Desc. 250 ft. over broken NW. and N.slopes,to
80.08	The cor.of secs. 7,8,17 and 18.
	Land,broken and mountainous.
	Soil,rocky, 4th rate.
	Timber, scattering pine and cedar in W. 33 chs.
	Undergrowth, scattering sage brush and cactus.
	Poor grass.

	West, on a random line, bet. secs.7 and 18.
40.00	Set temp. ¼ sec.cor.

Chains.	
77.90	Fall 13 lks. S. of the cor. of secs. 7,12,13 and 18, on W. bdy. of Tp., hereinbefore described.
	Thence,
	S.89°54'E., on a true line, bet. secs. 7 and 18.
	Over broken and rolling land, thru. scattering undergrowth, in Prospect Valley.
0.50	Wast bank of wash, brs, NW. and S. Desc. 75 ft. to
2.00	Center of Main wash of Prospect Valley, course N. Asc. 10 ft. to
5.00	East bank of same, brs. N. and S. Leave wash, and ascend 90 ft. over SW. slope.
17.50	Descend 15 ft., over SE. slope.
21.50	Center of wash, 3 chs. wide, course SW. Asc. 70 ft., over W. slope, to
37.90	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap,

$$\frac{1}{4} \frac{\text{S } 7}{\text{S } 18}$$
1920

	and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	Continue over broken and rolling land, thru. scattering undergrowth, on E. side of Prospect Valley. Asc. 210 ft., over W. slope.
54.40	Spur, slopes NW. Desc. 50 ft., over NE. slope.
63.90	Gulch, course N. Asc. 120 ft., over NW. slope, to
71.00	Thence along broken N. slope; ascending slightly to
77.90	The cor. of secs. 7,8,17 and 18.
	Land, broken and rolling.
	Soil, rocky, 4th rate.
	Timber, none.
	Undergrowth, scattering sage brush.
	No grass.

- -

	N.0°03'W., bet. secs. 7 and 8.
	Over broken and rolling land, thru. scattering undergrowth on E. side of Prospect Valley. Desc. 30 ft., over N. slope.
2.50	Gully, course, W. Asc. 35 ft., over S. slope, to
5.00	Desc. 35 ft., over N. slope.
14.00	Gully, course W. Asc. 35 ft., over S. slope, to
25.00	Asc. 180 ft., over SW. slope.
35.00	Rim of bench, brs. NE. and SE. Desc. 35 ft., over NW. slope.
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 ¼ sec. cor., marked on brass cap,

$$\frac{\frac{1}{4}}{\text{S } 7 \mid \text{S } 8}$$
1920

	and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Continue over rolling and broken land on E. side of Prospect Valley, thru. scattering undergrowth.
	Desc. 60 ft., over NW. slope.
48.00	Gulch, course W. Asc. 240 ft., over SW. slope, to
55.00	Rim of bench, brs. NW and SE.
	Enter scattering timber. Asc. 55 ft., over W. slope, on bench, to
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 18 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,

Chains.	52 Part of Subdivision lines of Township 32 North, Range 7 West.

T32N R7W

S 6	S 5
S 7	S 8

1920

from which,
    A pine, 16 ins. in diam., brs.N.43½°E.,131 lks.
      dist., marked T32N R7W S5 BT.
    A pine,12 ins. in diam.,brs.S.60½°E.,205 lks.
      dist., marked T32N R7W S8 BT.
    A pine,10 ins.in diam.,brs.S.44½°W.,150 lks.
      dist., marked T32N R7W S7 BT,
    A pine, 11 ins. in diam.,brs.N.62½°W.,186 lks.
      dist., marked T32N R7W S6 BT.
Land, broken and rolling.
Soil,gravelly,and rocky,3rd and 4th rate.
Timber, scattering cedar and pine in N.25 chs.
Undergrowth, scattering sage brush.
No grass.

S.89°58'E., on a random line, bet. secs.5 and 8.
40.00 Set temp.¼ sec.cor.
79.70 Fall 5 lks.S.of the cor. of secs.4,5, 8 and 9.
Thence,
West, on a true line, bet. secs.5 and 8.
Over broken and mountainous land, thru. scattering timber
  and undergrowth, on E.side of Prospect Valley. Asc.
  85 ft.,over NE.slope.
8.50 Descend 65 ft., over broken N.slope.
15.00 Ascend 180 ft., over NE.slope.
30.20 Spur,slopes NW. Desc. 245 ft., over NW.slope to ¼ sec.
  cor.
30.66 Tank, brs.N.25° W., 40.00 chs.dist.
39.85 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 5
	S 8

1920

from which,
    A pine, 12 ins. in diam., brs.N.67½°E., 65 lks.
      dist., marked ¼ S 5 BT.
    A pine,12 ins. in diam., brs.S.36°E.,108 lks.
      dist., marked ¼ S 8 BT.
Continue over broken and mountainous land,thru. scatter-
  ing timber and undergrowth,on E.side of Prospect Val-
  ley. Desc. 310 ft., over steep W.slope,to
55.00 Foot of steep descent, brs.N.and S. Leave broken and
  mountainous land, and enter rolling land on bench.
Descend 120 ft.,over gradual W.slope,to
79.70 The cor.of secs.5,6, 7 and 8.
Land,E. 55 chs. broken and mountainous; remainder, roll-
  ing.
Soil,rocky, 4th rate.
Timber, scattering pine and cedar.
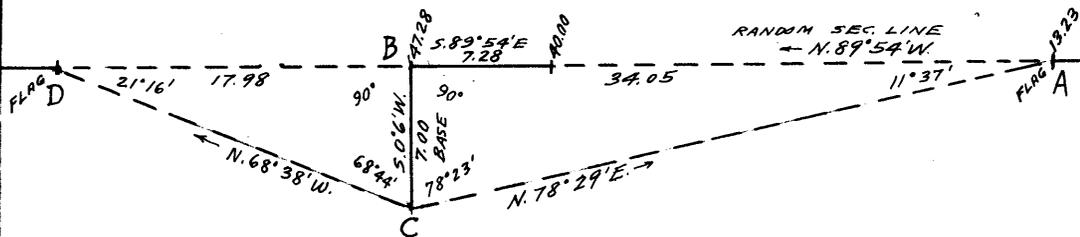Undergrowth, scattering sage brush.
No grass.

N.89° 54' W., on random line, bet. secs.6 and 7.
13.23 Rim of bench,brs.N.and S.. The line beyond this point
  passes successively over cliffs facing W.,and a ravine
  or canyon, course NW.,rendering chaining impractica-
  ble; therefore, triangulate the measurement as
  described as follows,and as shown on the diagram
  hereon:

Chains.

Set a flag at 13.23 ch. station on random line, indicated
   on diagram at "A."
Set another flag ahead on random line at W. rim of can-
   yon at "D."
From a point on random line beyond base of cliffs indicat-
   ed at "B," measure a Base S.0°0' W., 7.00 chs. to point
   "C."
Bearing "C-A" = N.78° 29' E.
Bearing "C-D" = N.68° 38'W.
Vertical angle "A" to "B." = - 17°.
Vertical angle "B" to "D" = - 9°.
Included angles of triangle "A-B-C" are 11° 37', 78°23'
   and 90°00', the sum of which is 180°00'.
Included angles of triangle "B-C-D" are 90°00', 68° 44'
   and 21°16', the sum of which is 180°00'.
Triangulated measurement on random line "A" to "B" is
   obtained by
Tang. 78° 23' x Base or 4.86444 x 7.00 = 34.05 chs.,
   which added to 13.23 chs. gives 47.28 chs. N.89°54'
   W. from sec.cor. for the position of triangulation
   point "B."
Triangulated measurement on random line "B" to "D" is
   obtained by
Tang.68°44' x Base or 2.56928 x 7.00 = 17.98 chs.,which
   added to 47.28 chs. gives 65.26 chs.N.89°54'W.,from
   sec.cor. for the position of flag point "D."
From triangulation point at 47.28 ch.station,chain
   measurement,
S.89°54' E., 7.28 chs. to

40.00	Set temp.¼ sec.cor.
	Thence,
	N.89°54'W., continuing measurement from sec.cor.
47.28	Triangulation point. Thence by triangulated measurement
	to
65.26	Flag point of above described triangulation.
	Continue line and measurement by chaining.
77.73	Fall 7 lks. S.of the cor. of secs.1,6,7 and 12 on W. bdy.
	of Tp., hereinbefore described.
	Thence,
	S.89°51'E., on a true line, bet. secs.6 and 7.
	Over broken and rolling land, thru. scattering under-
	growth in Prospect Valley. Desc. 30 ft., over E.slope,
	to
1.50	Draw, course NE. Asc. 70 ft.,over NW. slope.
4.50	Spur, slopes NE. Desc.125 ft., over E.slope.
9.75	Main wash in bottom of Prospect Valley, 200 lks.wide,
	course NE. Ascend slightly over N.slope,to
12.47	Triangulation point at W.rim of canyon brs. SE. and NW.
	Enter mountainous land. Discontinue chaining,and trian-
	gulate measurement as hereinbefore described.
	Descend over steep NE.slope.
20.00	(Approx.) Bottom of canyon, course NW. Asc. over steep
	W.slope.
28.00	(Approx.) E.rim of canyon,brs. NW. and S.. Desc.over N.
	slope.
30.45	Triangulation point.
	Continue line and measurement by chaining.
34.50	Gulch, course NW. Ascend 40 ft.,over W.slope,to
37.73	Set an iron post, 3 ft.long, 1 in. in diam., 24 ins. in
	the ground for ¼ sec.cor., marked on brass cap,

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BOOK 3510

54 Part of Subdivision lines of Township 32 North, Range 7 West.

Chains.	
	S 6
	S 7
	1920
	and raise a mound of stone, 2 ft.base, 1½.ft.high,N. of cor.
	Discontinue chaining, and triangulate measurement.
	Continue over broken and mountainous land,thru.scattering undergrowth. Ascend.
64.50	Triangulation point at top of cliffs, bearing N.and S.
	Leave broken and mountainous land,and enter rolling land on bench.
	Continue line and measurement by chaining.
	Ascend.
77.73	The cor.of secs.5,6, 7 and 8.
	Land, rolling,broken and mountainous.
	Soil,gravelly and rocky, 3rd and 4th rate.
	Timber, none.
	Undergrowth, scattering sage brush.

FINAL FIELD TESTS OF INSTRUMENTS, 1920.

Sept.3, 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:

In camp in SE. ¼ of sec.14,T.31 N.,R.7 W.,Gila and Salt River Base and Meridian, Arizona, in latitude, 36°04½' N., and longitude 113°00"W., at 8h. 44.6m.,p.m.,l.m.t. observe Polaris at eastern elongation, making four observations, two each with the telescope in direct and reversed positions, and mark the mean point in the line thus determined on a peg driven firmly in the ground 5 chs.N.

Sept,4,1920.   At 9h.00m. a.m.,.m.t., set off 36°04½'N. on the lat.arc; 7°09'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. decl.arc is 7°06'N., which agrees with the computed decl. of the sun.

At 3h.00m. p.m.,l.m.t, with the lat.arc unchanged, set off 7°03½'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 instruments are satisfactory.

NOTE:
    It was impracticable to complete the survey of the north tier of sections in this township owing to the extremely rough and mountainous nature of the surface therein.

Boundaries of that part of T.32 N.,R.7 W.,surveyed
as described in the foregoing notes.

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Latitudes, Departures, and Closing Errors.

- - - - - - - - - -

Line designated.	True bearing.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
South boundary,	S.89°58'W.	478.18		.28		478.18
West boundary,	North,	400.00	400.00			
Subdivisional boundary,	S.89°51'E. East, N.89°55'E. East, S.89°59'E.	77.73 79.70 80.38 159.48 79.98	.12	.20 .02	77.73 79.70 80.38 159.48 79.98	
East boundary,	South,	400.00		400.00		
Convergency,					.44	
	Totals,		400.12	400.50 400.12	477.71	478.18 477.71
	Error in latitude,			0.38		
	Error in departure,					0.47

GENERAL DESCRIPTION.

This township lies entirely within the Hualpai Indian
Reservation, near the S. upper rim of the Colorado
River Canyon, The surface of the east two ranges,of
secs. is broken and mountainous, being on the walls
of Mohawk Canyon. The west two ranges of secs. are
in the Prospect Valley, where the surface varies from
nearly level to broken and mountainous, the bottom
of the valley, bearing N. and S. along the W.bdy.of
the township being nearly level and rolling, a bench
bearing N. and S. on the E. side of the valley being
rolling and broken, and the remainder of the surface
in the valley being broken and mountainous. The cen-
tral two ranges of sections, which are situated between
Mohawk Canyon and Prospect Valley have a gently roll-
ing and broken surface.
The drainage of the township is carried in about equal
proportions by Mohawk Canyon and Prospect Valley,both
draining north into the Colorado river.
The soil in Mohawk Canyon, and the steeper slopes of Pros-
pect Valley,is rocky, 4th rate, and between the can-
yon and valley, the soil is mainly gravelly,2nd and
3rd rate. In the bottom of the valley in sec.18 is
a small area, where the soil is sandy, 1st rate.
The timber consists of cedar and pine, which occurs in
scattering growth in Mohawk Canyon and the E.side of
Prospect Valley,in dense growth between the canyon
and valley, and the bottom of Prospect Valley is de-
void of timber.
A scattering undergrowth of sage brush, scrub cedar and
dogwood is prevalent in all sections.
There is a fair growth of grass between the canyon and
valley, and in the bottom of the valley.
There are no settlers, no improvements and no evidence

of valuable mineral.
There is no permanent running water.
No roads traverse the township.

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FIELD ASSISTANTS.

to James C. O'Brien, U. S. Transitman.

NAMES.	CAPACITY.
Rolla Puzey,	1st chainman,
T. E. Sheffield,	2nd chainman,
Willard C. Anderson,	cornerman,
H. J. McKenzie,	cornerman- axman,
Hugh Bowers,	flagman.

6—2764

58   BOOK 3510   **CERTIFICATE OF UNITED STATES TRANSITMAN.**

I, **James C. O'Brien, U. S. Transit**man,   · hereby certify upon honor that, in pursuance

of special instructions received from the U. S. Surveyor General for **Group 105, Arizona,**

bearing date of the __**24th**__ day of __**February**__, 19**20**, I have well, faithfully, and truly

in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instruc-

tions, and the laws of the United States, surveyed all those parts or portions of **the Subdivision lines of**

Township 32 North, Range 7 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 Instruc-

tions, and the special written instructions of the U. S. Surveyor General for **Group 105, Arizona,**

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

such survey. **Place** - **Phoenix, Arizona.** -

Date - **May 8, 1922** - - - -   James C. O'Brien (deceased)
                                                   U. S. Transitman
                                          by   _CES forton_
                                                   Asst. Supervisor of Surveys,
                     APPROVAL.   District No. 5.

, 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.

6—2764

BOOK 3510

4—680

FIELD ASSISTANTS.

to Dupree R. Averill, U. S. Surveyor

NAMES.	CAPACITY.
Howard J.Hickman,	1st chainman,
Max Dessau,	2nd chainman,
Roy Hume,	cornerman-axman,
Frank L.Mills,	flagman.

6—2764

CERTIFICATE OF UNITED STATES SURVEYOR.

I, __Dupree R. Averill_____, U. S. Surveyor, hereby certify upon honor that, in pursuance

of special instructions received from the U. S. Surveyor General, for __Group 105, Arizona,_____

bearing date of the ____24th_____ day of ____February_____, 19**20** , I have well, faithfully, and truly

in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instruc-

tions, and the laws of the United States, surveyed all those parts or portions of _the West boundary, and_

_Subdivision lines of_____

_____Township 32 North, Range 7 West,_____

_____

_____

_____ of the Gila and Salt River

_Base and_____ Meridian, in the State of ____Arizona_____, which are represented in

and by diagram on page 1 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 Instruc-

tions, and the special written instructions of the U. S. Surveyor General, for **Group 105, Arizona,**_____

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

such survey.

Place _Phoenix, Arizona,_ _ _ _ _

Date _July 15, 1921._ _ _ _ _ _   _U. S. Surveyor._

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

_Phoenix Arizona May 13___, 19**22**

The foregoing field notes of the survey of _part of the West boundary, and part of the_____

_Subdivision lines of_____

Township 32 North, Range 7 West,

of the Gila and Salt River Base and Meridian,

in the State of Arizona,

_____

_____

executed by **Dupree R. Averill, U. S. Surveyor, and James C. O'Brien, U. S. Transitman,**

under   special instructions dated **February 24, 1920, for Group 105, Arizona** 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.