

3562

BOOK "D"

4-679

BOOK 3562

121

FIELD NOTES

OF THE SURVEY OF THE

book

West Boundary and

Part of the Subdivision lines

of

TOWNSHIP 28 NORTH, RANGE 14 WEST

3562

Of the Gila and Salt River Base and Meridian,

In the State of

EXECUTED BY

William B. Kimmel, U. S. Cadastral Engineer,

and

Francis R. Ihrie, U. S. Transitman.

In the capacity of U. S. Surveyors, under Special Instructions dated February 27, 1920, issued by the United States Surveyor General to govern surveys included in Group No. 110, Ariz., which were approved by the Commissioner of the General Land Office, March 10, 1920, and Assignment Instructions dated April 2, 1921 and May 2, 1921.

Survey commenced June 6, 1921

Survey completed July 24, 1921

3562

1A

3562




Book "D".

Group 110 Arizona.

BOOK 3562

INDEX DIAGRAM.

Township		28 North		Range		14 West					
7 1/2		Std.	Par.	N.							
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6	7	44	8	35	9	28	10	21	11	14	12
	43		43		35		28		21		13
5	18	42	17	34	16	27	15	20	14	12	13
	41		41		34		27		20		12
	19	40	20	33	21	25	22	19	23	11	24
	39		39		32		26		18		10
3	30	38	29	32	28	25	27	18	26	10	25
	38		37		31		24		17		8
3	31	37	32	30	33	24	34	15	35	8	36

-  Lines surveyed under this group.
-  Lines surveyed under current Group No. 109.
-  Unsurveyed.

Book "D"

DATE DIAGRAM

TOWNSHIP 28 NORTH, RANGE 14 WEST

For dates of survey of this line, see Book "F"

6-21 7-20-21	6 6-22-21	5 6-22-21	4 6-22-21	3 6-20 6-17	2 6-17-21	1 6-15-21
6-21-21	7 6-20-21	8 6-16 6-21	9 6-21 6-18	10 6-18-21	11 6-18-21	12 6-14-21
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For date of survey of this line see Book Group 109

For dates of survey of this line see Book "B"

Brown lines on above diagram indicate surveys under Group 109.

Red lines indicate surveys executed by William B. Kimmel, U.S. Cadastral Engineer, on dates shown thereon.

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

Surveys hereinafter described were executed by William B. Kimmel, U.S. Cadastral Engineer and Francis R. Ihrie, U.S. Transitman, on dates shown on diagram on page 1 hereof, using respectively Young and Sons' light mountain transits Nos. 8540 and 8477. For description of instruments and certificates of approval, see Books "A" and "B".

Field Tests of Instruments.

We examine the adjustments of the transits and correct all errors; then, to test the solar apparatus, by comparing their indications, resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris at elongation, we proceed as follows:

June 5, 1921: at our camp in sec. 16, T. 28 N., R. 14 W., lat. $35^{\circ}48'N.$, long. $113^{\circ}48'W.$, at 2 hrs. 42.8m. a.m., we observe Polaris at eastern elongation, in accordance with the Manual of Instructions, and mark a point in the line thus determined by a tack in a stake, firmly driven in the ground, 5 chs. N. of our station.

At 8 hrs. 0 m., a.m., l.m.t., we lay off the azimuth of Polaris, $102^{\circ}2\frac{1}{2}'$ to the west, and mark the true meridian thus determined by a tack in a stake, firmly driven in the ground, 5 chs. N. of our station.

At 9 hrs. 0 m., a.m., l.m.t., we set off $35^{\circ}48'N.$ on the lat. arcs; $22^{\circ}32\frac{1}{2}'N.$ on the decl. arcs; and determine a meridian with each solar, which agrees with the true meridian.

At apparent noon, with the lat. arcs. unchanged, we observe the sun on the meridian with each solar; the resulting decl. in each case is $22^{\circ}33\frac{1}{2}'N.$, which is the computed decl. of the sun.

At 3 hrs. 0 m., p.m., l.m.t., with the lat. arcs. unchanged, we set off $22^{\circ}34\frac{1}{2}'N.$ on the decl. arcs. and determine a meridian with each solar, which in each case agrees with the true meridian.

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

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

Survey of the West Boundary of
T. 28 N., R. 14 W..

BOOK 3562

Chains

From the cor. of Ts. 27 and 28 N., Rs. 14 and 15 W., de-
scribed in Book "B" ...
North bet. secs. 31 and 36.
Over gently rolling land, through scattering timber and
undergrowth.
Draw, course NE.
Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the
ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on
brass cap

35.25
40.00

$\frac{1}{4}$
S36 | S31

1921

From which

A cedar, 9 ins. diam., brs. N. $1\frac{1}{2}$ ° E.,
176 lks. dist., marked $\frac{1}{4}$ S31 BT.
A cedar, 20 ins. diam., brs. S. $73\frac{1}{4}$ ° W.,
170 lks. dist., marked $\frac{1}{4}$ S36 BT.

Asc. 30 ft., over rolling land.
Desc. 25 ft.
Draw, course NE. Asc. 30 ft.
Desc. 35 ft.
Draw, course NE. Thence over gently rolling land.
Road, brs. SW. to Clay Springs and NE.
Set an iron post, 3 ft. long, 2 ins. diam., 4 ins. in the
ground, in a mound of stone, for cor. of secs. 25, 30,
31 and 36, marked on brass cap

45.00
51.90
58.70
72.95
77.90
80.00

T28N
R15W | R14W
S25 | S30
S36 | S31

1921

From which

A cedar, 12 ins. diam., brs. N. 22° E.,
463 lks. dist., marked T28N R14W S30 BT.
A cedar, 16 ins. diam., brs. S. $4\frac{1}{2}$ ° E.,
740 lks. dist., marked T28N R14W S31 BT.
A cedar, 18 ins. diam., brs. S. $16\frac{1}{2}$ ° W.,
91 lks. dist., marked T28N R15W S36 BT.
A pine, 6 ins. diam., brs. N. $17\frac{1}{4}$ ° W.,
255 lks. dist., marked T28N R15W S25 BT.

Land, rolling and gently rolling.
Soil, rocky, 4th rate.
Timber, pine and cedar.
Undergrowth, buck brush, scrub oak, sagebrush, Spanish
dagger and cactus.

North bet. secs. 25 and 30.
Over rolling land, through scattering timber and under-
growth.

9.20
14.20
30.00
32.40
37.45
38.35
40.00

Asc. 10 ft.
Desc. 40 ft.
Draw, course NE. Asc.
Leave timber, brs. E. and W. Desc. 35 ft..
Thence over gently rolling land, brs. NW. and SE.
Draw, course NE.
Road, brs. SW. to Clay Springs and NE.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$
S25 | S30

1921

Survey of the West Boundary of
T: 28 N., R: 14 W:

Chains	From which
	A cedar, 12 ins. diam., brs. S. 64 $\frac{1}{2}$ °E., 342 lks. dist., marked $\frac{1}{4}$ S30 BT.
	A cedar, 24 ins. diam., brs. N. 74°W. 807 lks. dist., marked $\frac{1}{4}$ S25 BT.
54.00	Trail, brs. E. and W. Asc. 110 ft., through scattering timber.
72.00	Desc. 50 ft.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 19, 24, 25 and 30, marked on brass cap
	T28N R15W R14W S24 S19 S25 S30 1921
	From which
	A cedar, 14 ins. diam., brs. N. 34°E., 161 lks. dist., marked T28N R14W S19 BT.
	A cedar, 10 ins. diam., brs. S. 58 $\frac{1}{2}$ °E., 215 lks. dist., marked T28N R14W S30 BT.
	A cedar, 8 ins. diam., brs. S. 71 $\frac{3}{4}$ °W., 244 lks. dist., marked T28N R15W S25 BT.
	A cedar, 20 ins. diam., brs. N. 37°W., 212 lks. dist., marked T28N R15W S24 BT.
	Land, rolling and gently rolling. Soil, rocky, 4th rate. Timber, pine and cedar. Undergrowth, buck brush, sagebrush, scrub oak, cedar, Spanish dagger and cactus. Fair grazing.

	North bet. secs. 19 and 24. Over rolling land, through scattering timber and under- growth.
	Asc. 65 ft.
10.00	Desc. 10 ft.
12.00	Asc. 15 ft.
17.00	Desc. 35 ft.
27.00	Asc. 60 ft.
34.10	Desc. 40 ft.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap
	$\frac{1}{4}$ S24 S19 1921
	From which
	A pine, 6 ins. diam., brs. N. 60°E., 21 lks. dist., marked $\frac{1}{4}$ S19 BT.
	A cedar, 14 ins. diam., brs. S. 42 $\frac{1}{2}$ °W., 69 lks. dist., marked $\frac{1}{4}$ S24 BT.
	Asc. 265 ft.
61.20	Spur, slopes SW. Desc. 30 ft.
68.80	Asc. 60 ft.
75.40	Desc. 60 ft.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 13, 18, 19 and 24, marked on brass cap
	T28N R15W R14W S13 S18 S24 S19 1921

Survey of the West Boundary of
T. 28 N., R. 14 W.

Chains

From which

- A cedar, 11 ins. diam., brs. N.41 $\frac{1}{2}$ °E.,
147 lks. dist., marked T28N R14W S18 BT.
- A cedar, 22 ins. diam., brs. S.34°E.,
99 lks. dist., marked T28N R14W S19 BT.
- A cedar, 12 ins. diam., brs. S.20 $\frac{3}{4}$ °W.,
163 lks. dist., marked T28N R15W S24 BT.
- A cedar, 10 ins. diam., brs. N.3 $\frac{1}{2}$ °W.,
128 lks. dist., marked T28N R15W S13 BT.

Land, rolling.
Soil, rocky, 4th rate.
Timber, pine and cedar.
Undergrowth, buck brush, scrub oak, sagebrush, rabbit
brush, Spanish dagger and cactus.
Fair grazing:

North bet. secs. 13 and 18.
Over mountainous land, through scattering timber and under-
growth.

Desc. 240 ft.

- 25.15 Thence over gently rolling land.
- 27.85 Trail, brs. E. and W.
- 34.95 Draw, course NE.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$
 S13 | S18
 1921

From which

- A cedar, 12 ins. diam., brs. N.82 $\frac{1}{2}$ °E.,
33 lks. dist., marked $\frac{1}{4}$ S18 BT.
- A cedar, 12 ins. diam., brs. N.60 $\frac{1}{2}$ °W.,
106 lks. dist., marked $\frac{1}{4}$ S13 BT.

Asc. 70 ft.

- 56.00 Spur, slopes NE. Desc. 85 ft.
- 72.35 Draw, course NE. Thence over gently rolling land.
- 78.05 Trail, brs. E. and W. Asc. 25 ft.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in the
ground, in a mound of stone, for cor. of secs. 7, 12,
13 and 18, marked on brass cap

T28N
 R15W | R14W
 S12 | S 7
 S13 | S18
 1921

From which

- A cedar, 14 ins. diam., brs. N.73 $\frac{1}{2}$ °E.,
29 lks. dist., marked T28N R14W S7 BT.
- A cedar, 8 ins. diam., brs. S. 58 $\frac{1}{2}$ °E.,
30 lks. dist., marked T28N R14W S18 BT.
- A cedar, 15 ins. diam., brs. S.62 $\frac{1}{2}$ °W.,
22 lks. dist., marked T28N R15W S13 BT.
- A cedar, 5 ins. diam., brs. N.60 $\frac{1}{2}$ °W.,
28 lks. dist., marked T28N R15W S12 BT.

Land, mountainous and gently rolling.
Soil, rocky, 4th rate.
Timber, pine and cedar.
Undergrowth, buck brush, scrub oak, sagebrush, rabbit
brush, Spanish dagger and cactus.
Fair grazing.

Survey of the West Boundary of
T. 28 N., R. 14 W.

Chains North bet. secs. 7 and 12.
Over rolling land, through scattering timber and under-
growth.
Asc. 75 ft.
8.00 Desc. 150 ft.
38.80 Trail, brs. NW. and SE.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$
S12 | S 7
1921

From which
A cedar, 6 ins. diam., brs. S. 38 $\frac{1}{2}$ °E.,
160 lks. dist., marked $\frac{1}{4}$ S7 BT.
A cedar, 20 ins. diam., brs. S. 25 $\frac{1}{2}$ °W.,
280 lks. dist., marked $\frac{1}{4}$ S12 BT.
Asc. 60 ft.
48.50 Thence over gently rolling land.
55.60 Trail brs. NE. and SW.
56.40 Fence, brs. NE. and SW.
72.00 Asc. 20 ft.
75.30 Spur, slopes NE. Desc. 25 ft.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the
ground, in a mound of stone, for cor. of secs. 1, 6,
7 and 12, marked on brass cap

T28N
R15W | R14W
S 1 | S 6
S12 | S 7
1921

From which
A cedar, 10 ins. diam., brs. N. 24°E.,
94 lks. dist., marked T28N R14W S6 BT.
A pine, 10 ins. diam., brs. S. 20 $\frac{1}{2}$ °E.,
155 lks. dist., marked T28N R14W S7 BT.
A cedar, 12 ins. diam., brs. S. 32°W.,
111 lks. dist., marked T28N R15W S12 BT.
A cedar, 10 ins. diam., brs. N. 87°W.,
165 lks. dist., marked T28N R15W S1 BT.
Land, rolling and gently rolling.
Soil, rocky, 4th rate.
Timber, pine and cedar.
Undergrowth, buck brush, sagebrush, scrub oak, cedar,
Spanish dagger and cactus.
Fair grazing.

North bet. secs. 1 and 6.
Over rolling land, through scattering timber and under-
growth.
Desc. 60 ft.
9.00 Asc. 15 ft.
14.10 Desc. 180 ft.
39.60 Trail, brs. NE. and SW.
39.95 Wash, 20 lks. wide, 4 ft. deep, course NE.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$
S 1 | S 6
1921

From which

Survey of the West Boundary of
T. 28 N., R. 14 W.

Chains
40.15 A cedar, 16 ins. diam., brs. S.30 $\frac{1}{2}$ °E.,
152 lks. dist., marked $\frac{1}{4}$ S6 BT.
55.00 A cedar, 10 ins. diam., brs. S. 18 $\frac{1}{2}$ °W.,
316 lks. dist., marked $\frac{1}{4}$ S1 BT.
57.00 Wash, 15 lks. wide, 5 ft. deep, course N.50°E. Asc. 60 ft.
58.00 Spur, slopes E. Desc.
75.00 Wide fence, brs. N.60°E. and S.60°W.
81.26 Gulch, course E. Asc. 130 ft.
Spur, slopes E. Desc. 75 ft.
Intersect the 7th Standard Parallel North, 8.18 chs. West
of the standard $\frac{1}{4}$ sec. cor. of sec. 31, T. 29 N., R. 14 W.,
described in Book "F".
At the point of intersection.
Set an iron post, 3 ft. long, 3 ins. diam., in a mound of
stone, for closing cor. of Ts. 28 N., Rs. 14 and 15 W.
marked on brass cap

T29N R14W
S31
S 1 | S 6
R15W | R14W
T28N
C C
1921

From which

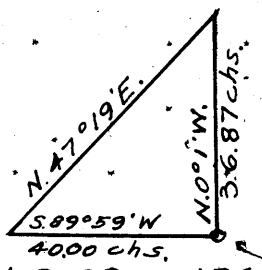
A cedar, 8 ins. diam., S.43°E.,
43 lks. dist., marked T28N R14W S6 CC BT.
A cedar, 10 ins. diam., brs. S.55°W.,
17 lks. dist., marked T28N R15W S1 CC BT.

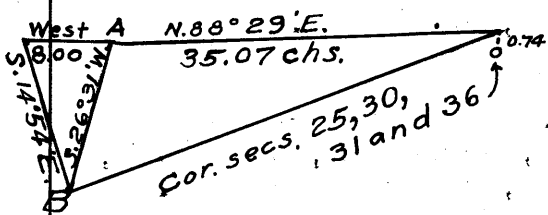
Land, rolling.
Soil, rocky, 4th rate.
Timber, pine and cedar.
Undergrowth, buck brush, sagebrush, scrub oak, cedar,
Spanish dagger and cactus.
Fair grazing.

Boundaries of Part of T. 28 N., R. 14 W.
Surveyed under this Group.
Latitudes, departures and closing errors.

Line designated.	True bearing.	Dist. chs.	Latitudes		Departures.	
			N chs.	S. chs.	E. chs.	W. chs.
South Boundary.	West	479.59				479.59
West Boundary.	North	481.26	481.26			
North Boundary (7th Std. Par.N.)	East	478.27			478.27	
East Boundary	South	481.11		481.11		
Convergency					.52	
Totals			481.26	481.11	478.79	479.59
			481.11			478.79
Error in latitudes			.15			
Error in departure						.80

Subdivision of T. 28 N., R. 14 W.

Chains	<p>From the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of Tp., described in Book "B". N. 0° 1' W. bet. secs. 35 and 36. Over mountainous land, through scattering timber and undergrowth. Impossible to chain from this cor. out of Meriwhitica Canyon. Set a flag ahead on line on a bearing N. 0° 1' W., and from the cor., measure a base S. 89° 59' W. 40.00 chs., from the W. end of which, flag bears N. 47° 19' E. The three angles of the triangle are therefore 90°, 42° 40' and 47° 20', the sum of which is 180°. The distance triangulated is given by $\tan. 42^\circ 40' \times 40 = .92170 \times 40 = 36.87$ chs. The approximate topography is as follows:</p>  <p>3.00 Wash in bottom of Meriwhitica Canyon course E. Asc. 1155 ft.</p> <p>36.87 Top of cliff, 600 ft. high, bearing E. and W. Continue asc. 25 ft.</p> <p>40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap</p> <p style="text-align: center;"> $\frac{1}{4}$ S35 S36 1921 </p> <p>From which A pine, 12 ins. diam., brs. S. 90° W. 225 lks. dist., marked $\frac{1}{4}$ S35 BT. No other trees within limits. Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.</p> <p>Desc. 45 ft.</p> <p>48.35 Draw, course NW. Asc. 45 ft.</p> <p>55.50 Spur, slopes E. Desc. 90 ft.</p> <p>69.25 Draw, course E. Asc. 125 ft.</p> <p>78.00 Spur, slopes E. Desc.</p> <p>80.00 Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground, in a mound of stone with marked (x) stone for cor. of secs. 25, 26, 35 and 36, marked on brass cap</p> <p style="text-align: center;"> T28N R14W S26 S25 S35 S36 1921 </p> <p>From which A pine, 18 ins. diam., brs. N. 20° E., 280 lks. dist., marked T28N R14W S25 BT. A pine, 6 ins. diam., brs. N. 56$\frac{1}{2}$° W., 159 lks. dist., marked T28N R14W S26 BT. No other trees within limits. Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.</p> <p>Land, mountainous. Soil, rocky, 4th rate. Timber, pine and cedar. Undergrowth, buck brush, scrub oak, sagebrush, rabbit brush, Spanish dagger, cedar and cactus. Fair grazing.</p> <hr style="border-top: 1px dashed black;"/> <p>East on a random line, bet. secs. 25 and 36.</p> <p>40.00 Set temp. $\frac{1}{4}$ sec. cor.</p> <p>45.30 Top of cliff, 600 ft. high brs. NE and SW. Impossible to chain from this point. Flag on the E. bdy. 0.74 chs. N. of the cor. of secs. 25, 30, 31 and 36 brs. N. 88° 29' E.</p>
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By triangulation, I determine a base as follows from which to triangulate to the cor.: From the 45.30 ch. point, "A", set a flag "B" on a bearing S.26°31'W. From "A" measure a base West 8.00 chs., to "C". From "C" flag "B" brs. S.14°54'E. From "B" flag .74 chs. N. of cor. of secs. 25, 30, 31 and 36 brs. N.74°13'E.

The three angles of the triangle ABC are 75°06', 63°029' and 41°025', the sum of which is 180°. The length of the side AB is determined by the sine proportion:

$$AB = \frac{\sin. 75^{\circ}06' \times 8.00}{\sin. 41^{\circ}025'}$$

The three angles of the other triangle are 118°02', 14°016' and 47°042', the sum of which is 180°. The distance to the cor. on the bearing N.88°29'E is found from:

$$\frac{X}{AB} = \frac{\sin. 47^{\circ}042'}{\sin. 14^{\circ}016'}$$

By substitution,

$$X = \frac{\sin. 47^{\circ}042' \times \sin. 75^{\circ}06' \times 8.00}{\sin. 41^{\circ}025' \times \sin. 14^{\circ}016'}$$

log. sin. 47°042'	=	9.869015
log. sin. 75°06'	=	9.985146
log. 8.00	=	0.903090
	=	<u>0.757251</u>

log. sin. 41°025'	=	9.820550
log. sin. 14°016'	=	9.391703
	=	<u>9.212253</u>

log. X	=	1.544998
X	=	35.07 chs.

The latitude and departure of this line are therefore 0.93 chs. North and 35.06 chs. East; the length and falling of the theoretical random are found by computation to be

80.36 Fall 19 lks. S. of the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of Tp., which is an iron post, established under current Group No.109.

Thence S.89°52'W. on a true line, bet. secs. 25 and 36. Over mountainous land, through scattering timber and undergrowth.

35.06 Asc. 1225 ft.; distance by triangulation. Top of cliff, 600 ft. high, brs: NE and SW. Continue ascent 35 ft. Dist. by chaining as hereinbefore described

40.18 Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone with marked (x) stone for 1/4 sec.cor., marked on brass cap

$$\frac{1}{4} \frac{S 25}{S 36} 1921$$

From which:

A pine, 10 ins. diam., brs. S.76 1/4°W., 419 lks. dist., marked 1/4 S36 BT.

No other trees within limits.

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

Desc. 60 ft.

Chains

52.85 Cliff; 300 ft. high, brs. NE. and SW.
 56.95 Same cliff, brs. NW. and SE. Desc. 135 ft.
 73.85 Canyon, course NE. Asc. 155 ft.
 80.36 The cor. of secs. 25, 26, 35 and 36.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, pine and cedar.
 Undergrowth, buck brush, scrub oak, sagebrush, rabbit
 brush, Spanish dagger, cedar and cactus.
 Fair grazing.

N.001'W. bet. secs. 25 and 26.
 Over mountainous land, through scattering timber and
 undergrowth.
 Desc. 100 ft.

3.80 Draw, course E. Asc. 125 ft.
 17.25 Rim rock, 25 ft. high brs. E. and W. Desc. 155 ft.
 26.70 Draw, course E. Asc. 250 ft.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 5 ins. in the
 ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked
 on brass cap

$\frac{1}{4}$
 S26 | S25
 1921

From which

A pine, 8 ins. diam., brs. S. 85 $\frac{3}{4}$ °E.,
 202 lks. dist., marked $\frac{1}{4}$ S25 BT.

A pine, 10 ins. diam., brs. S. 88 $\frac{1}{4}$ °W.,
 153 lks. dist., marked $\frac{1}{4}$ S26 BT.

Desc. 190 ft.

62.70 Draw, course SE. Asc. 65 ft.

67.55 Desc. 25 ft.

72.50 Asc. 80 ft.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 4 ins. in the
 ground, in a mound of stone with marked (x) stone for
 cor. of secs. 23, 24, 25 and 26, marked on brass cap

T28N | R14W
 S23 | S24
 S26 | S25
 1921

From which

A pine, 12 ins. diam., brs. S. 7 $\frac{1}{2}$ °E.
 281 lks. dist., marked T28N R14W S25 BT.

A pine, 15 ins. diam., brs. S. 27 $\frac{1}{4}$ °W.,
 249 lks. dist., marked T28N R14W S26 BT.

A pine, 10 ins. diam., brs. N. 27°W.,
 160 lks. dist., marked T28N R14W S23 BT.

No other trees within limits. Raise a mound of stone, 2
 ft. base, 1 $\frac{1}{2}$ ft. high W. of cor.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, cedar and pine.

Undergrowth, buck brush, scrub oak, sagebrush, rabbit
 brush, Spanish dagger, cedar and cactus.

Fair grazing.

N. 89° 52' E. on a random line, bet. secs. 24 and 25.

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

79.88 Fall 5 lks. N. of the cor. of secs. 19, 24, 25 and 30, on
 the E. bdy. of Tp., which is an iron post, established
 under current Group No. 109.

Chains

Thence S.89°54'W. on a true line, bet. secs. 24 and 25. Over mountainous land, through scattering timber and undergrowth.

Asc. 255.

24.90 Spur, slopes SE. Desc. 175 ft.

34.90 Asc. 45 ft.

39.94 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, in a mound of stone, for 1/4 sec. cor. marked on brass cap

1/4 S 24
S. 25
1921

From which

A pine, 6 ins. diam., brs. N.59°E., 126 lks. dist., marked 1/4 S24 BT.

A pine, 14 ins. diam., brs. S.7°W., 198 lks. dist., marked 1/4 S25 BT.

Continue ascent, 65 ft.

44.80 Desc. 25 ft.

51.20 Asc. 135 ft.

55.90 Spur, slopes S. Desc. 175 ft.

64.50 Asc. 45 ft.

69.50 Desc. 95 ft.

79.88 The cor. of secs. 23, 24, 25 and 26.

Land, mountainous

Soil, rocky, 4th rate.

Timber, pine and cedar.

Undergrowth, buck brush, scrub oak, sagebrush, rabbit brush, Spanish dagger, cedar and cactus.

Fair grazing.

N.0°01'W. bet. secs. 23 and 24.

Over mountainous land, through scattering timber and undergrowth.

Asc. 355 ft.

10.10 Top of cliffs, brs. E. and W., 60 ft. high. Continue ascent.

15.00 Ridge, brs. E and W. Desc. 170 ft.

31.60 Asc. 35 ft.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground, in a mound of stone, for 1/4 sec. cor., marked on brass cap

1/4 S23 S24
1921

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

Desc. 65 ft.

45.10 Draw, course NE. Asc. 90 ft.

50.95 Spur, slopes NE. Desc. 160 ft.

73.00 Enter draw, course N. from SW.

78.30 Leave draw, course NE. Asc. 10 ft.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground, for cor. of secs. 13, 14, 23 and 24, marked on brass cap

T28N R14W
S14 S13
S23 S24
1921

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

Land, mountainous.

Chains	Soil, rocky, 4th rate. Timber, pine and cedar. Undergrowth, buck brush, scrub oak, sagebrush, rabbit brush, Spanish dagger, cedar and cactus. Fair grazing.

	N. 89°54'E. on a random line, bet. secs. 13 and 24.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.98	Fall 2 lks. S. of the cor. of secs. 13, 18, 19 and 24, on the E. bdy. of Tp., which is an iron post, established under current Group No. 109.
	Thence S. 89°53'W. on a true line bet. secs. 13 and 24. Over mountainous land, through scattering timber and undergrowth.
	Asc. 150 ft.
7.00	Spur, slopes NE. Desc. 150 ft.
22.25	Draw, course NE. Asc. 145 ft.
30.70	Desc. 20 ft.
35.00	Asc. 30 ft.
39.99	Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap
	$\frac{1}{4}$ S 13 S 24 1921
	And raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
	Cor. falls on spur, slopes N. Desc. 110 ft.
50.70	Draw, course N. Asc. 70 ft.
55.50	Desc. 55 ft.
60.00	Asc. 15 ft.
65.00	Desc. 15 ft.
68.00	Asc.
73.00	Desc. 15 ft.
76.70	Draw, course NE. Asc.
79.98	The cor. of secs. 13, 14, 23 and 24. Land, mountainous. Soil, rocky, 4th rate. Timber, pine and cedar. Undergrowth, buck brush, scrub oak, sagebrush, rabbit brush, Spanish dagger, cedar and cactus. Fair grazing.

	N. 0°01'W. bet. secs. 13 and 14. Over rolling and mountainous land, through scattering timber and undergrowth.
	Asc. 45 ft.
4.00	Spur, slopes W. Desc. 110 ft.
15.50	Asc. 40 ft.
31.50	Trail, brs. NE and SW. Desc. 15 ft.
35.00	Draw, course NE. Asc. 120 ft.
39.15	Top of cliff, 20 ft. high, brs. E. and W.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 5 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap
	$\frac{1}{4}$ S14 S13 1921
	From which A cedar, 7 ins. diam., brs. N. 56°E., 402 lks. dist., marked $\frac{1}{4}$ S13 BT.

Chains . . . A cedar, 7 ins. diam., brs. N. 19 $\frac{1}{2}$ °W.,
 243 lks. dist., marked $\frac{1}{4}$ S14 BT.
 Continue ascent, 50 ft.
 45.00 Spur, slopes E. Desc. 235 ft.
 60.60 Draw, course E. Asc. 205 ft.
 77.50 Spur, slopes E. Desc. 25 ft.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 4 ins. in the
 ground, in a mound of stone with marked (x) stone
 for cor. of secs. 11, 12, 13 and 14, marked on brass
 cap

T28N R14W
 S11 S12
 S14 S13
 1921

From which

A cedar, 9 ins. diam., brs. S. 54 $\frac{1}{2}$ °W.,
 233 lks. dist., marked T28N R14W S14 BT.
 No other trees within limits. Raise a mound
 of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
 Land, rolling and mountainous.
 Soil, rocky, 4th rate.
 Timber, cedar and pine.
 Undergrowth, buck brush, scrub oak, sagebrush, rabbit
 brush, Spanish dagger, cedar and cactus.
 Fair grazing.

40.00 N. 89°53'E., on a random line, bet. secs. 12 and 13.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.90 Fall 9 lks. S. of the cor. of secs. 7, 12, 13 and 18,
 on the E. bdy. of Tp., which is an iron post, established
 as described in the field notes of current Group No.
 109.
 Thence S. 89°49'W. on a true line, bet. secs. 12 and 13.
 Over mountainous land, through scattering timber and
 undergrowth.
 Desc. 100 ft.
 8.45 Draw, course NE. Asc.
 12.70 Spur, slopes N. Desc. 130 ft.
 18.90 Draw, course NE.
 23.30 Same draw, course S. Asc. 80 ft.
 24.00 Trail, brs. N. and S.
 39.95 Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the
 ground, in a mound of stone with marked (x) stone for
 $\frac{1}{4}$ sec. cor., marked on brass cap

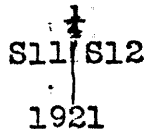
$\frac{1}{4}$ S 12
 S 13
 1921

From which

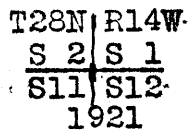
A cedar, 22 ins. diam., brs. S. 27 $\frac{1}{2}$ °W.,
 453 lks. dist., marked $\frac{1}{4}$ S13 BT.
 No other trees within limits. Raise a mound of
 stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor..
 Desc.
 43.35 Trail, brs. N. and S.
 43.90 Gulch, course N. Asc.
 50.00 Spur, slopes NE. Desc.
 53.40 Asc. 85 ft.
 65.95 Spur, slopes S. Desc. 10 ft.
 67.90 Asc. 45 ft.
 77.90 Spur, slopes NE. Desc. 10 ft.
 79.90 The cor. of secs. 11, 12, 13 and 14.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, cedar and pine.
 Undergrowth, buck brush, scrub oak, sagebrush rabbit

Chains brush, Spanish dagger, cedar and cactus.
Fair grazing.

N.0°1'W. bet. secs. 11 and 12.
Over rolling and mountainous land, through scattering undergrowth.
Desc. 95 ft.
5.85 Draw, course E. Asc. 70 ft.
9.65 Rock cliff, 10 ft. high, brs. E. and W. Desc. 90 ft.
14.55 Draw, course E. Asc. 85 ft.
23.00 Spur, slopes E. Desc. 220 ft.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap

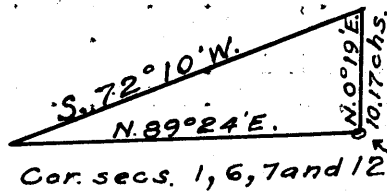


And raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Continue descent.
42.50 Draw, course SE. Asc. 195 ft.
59.10 Spur, slopes E. Thence along E. slope.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, in a mound of stone with marked (x) stone for cor. of secs. 1, 2, 11 and 12, marked on brass cap



And raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Land, rolling and mountainous.
Soil, rocky, 4th rate.
No timber.
Undergrowth, buck brush, scrub oak, sagebrush, rabbit brush, Spanish dagger, cedar and cactus.
Fair grazing.

40.00 N.89°49'E. on a random line, bet. secs. 1 and 12.
Set temp. $\frac{1}{4}$ sec.cor.
47.48 Impossible to chain from this point. A flag at the cor. of secs. 1, 6, 7 and 12, on the E. bdy. of Tp. brs.



N.89°24'E. From the cor. measure a base N.0°19'E. 10.17 chs. from the N. end of which flag at the 47.48 ch. point brs. S.72°10'W. The three angles of the triangle are therefore 17°14', 71°51' and 90°55', the sum of which is 180°. The distance triangulated is given by the sine proportion:

$$\frac{X}{10.17} = \frac{\sin. 71°51'}{\sin. 17°14'}$$

	log. 10.17	=	1.007321
	log. sin. 71°51'	=	9.977835
			0.985156
	log. sin. 17°14'	=	9.471679
	log. X	=	1.513477
	X	=	32.62 chs. which added

Subdivision of T. 28 N., R. 14 W.

Chains to 47.48 chs., gives 80.10 chs. The northing of the line run N. 89°24' E. 32.62 chs. is 34 lks. If the random had been continued to the boundary on its original course, the falling would have been 23 lks. S.

80.10 Fall 23 lks. S. of the cor. of secs. 1, 6, 7 and 12, on the E. bdy. of Tp., which is an iron post, established as described in field notes of current Group No. 109. Thence S. 89°39' W. on a true line, bet. secs. 1 and 12. Over rolling and mountainous land, through scattering undergrowth.

6.10 Top of cliff, 1000 ft. high, brs. N. and S. Thence by triangulation.

32.60 Top of cliff, 1000 ft. high, brs. N. and S. Thence by chaining.

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

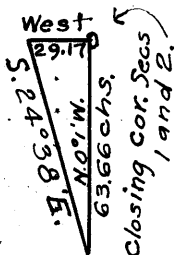
$$\frac{S \ 1}{S \ 12}$$
 1921

And raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
 Asc. 75 ft.
 Desc. 45 ft.
 Draw, course N. Asc. 35 ft.
 80.10 The cor. of secs. 1, 2, 11 and 12.
 Land, rolling and mountainous.
 Soil, rocky, 4th rate.
 Timber, none.
 Undergrowth, burck brush, scrub oak, sagebrush, rabbit brush, Spanish dagger, cedar and cactus.
 Fair grazing.

18.20 N. 0°01' W. on a true line, bet. secs. 1 and 2.
 23.26 Over rolling land, through scattering undergrowth. Desc. 200 ft. Set flag for triangulation. The true point for $\frac{1}{4}$ sec. cor. of secs. 1 and 2 is inaccessible. Set an iron post, 3 ft. long, 1 in. diam. 26 ins. in a mound of stone, for witness cor. to $\frac{1}{4}$ sec. cor., marked on brass cap

$$\frac{W \ C}{S \ 2 \ S \ 1}$$
 1921

23.36 And raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
 Cliff, 20 ft. high, brs. NW. and SE. Impossible to chain from this point. Set a flag ahead on line, at its intersection with the seventh standard Parallel North, from which I measure a base West 29.17 chs. from the west end of which, flag at the 18.20 ch. point brs. S. 24°38' E. The three angles of the triangle are therefore 65°22' 90°1' and 24°37', the sum of which is 180°. The distance triangulated is found from the sine proportion:



$$\frac{X}{29.17} = \frac{\sin. \ 65^{\circ}22'}{\sin. \ 24^{\circ}37'}$$

Subdivision of T. 28 N., R. 14 W.

Chains	log. 29.17	=	1.464936
	log.sin, 65°22'	=	9.958561
			<u>1.423497</u>
	log.sin 24°37'	=	9.619662
	log. X	=	<u>1.803835</u>
	X	=	63.66 chs. which

81.86

added to 18.20 chs. gives
Intersect the Seventh Standard Parallel North, 9.56 chs. West of the true point for standard $\frac{1}{4}$ sec. cor. of sec. 36, T. 29 N., R. 14 W., witnessed 6.00 chs. West as described in Book "F"

At the point of intersection.
Set an iron post, 3 ft. long, 2 ins. diam., 3 ins. in the ground, in a mound of stone, for closing cor. of secs. 1 and 2, marked on brass cap

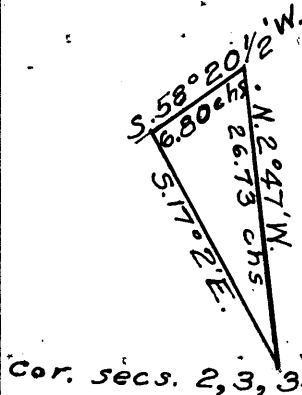
T29N R14W
S31

S 2 | S 1
T28N | R14W
C | C
1921

And raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor.
Rim of canyon, bears E. and W., South 60 lks. dist.
Land, rolling and mountains.
Soil, rocky, 4th rate.
No timber.
Undergrowth, buck brush, scrub oak, sagebrush, rabbit brush, Spanish dagger, cedar and cactus.
Fair grazing.

From the cor. of secs. 2, 3, 34 and 35, on the S. bdy. of Tp., described in Book "B".
N. 0°01' W. bet. secs. 34 and 35.
Over mountains land, through scattering timber and undergrowth.

Impossible to chain or triangulate on true line. Triangulate and chain traverse line as follows: set a flag ahead on N. rim of Meriwhitica Canyon on a bearing N. 2°47' W., vertical angle + 32°30'. From flag measure a base S. 58°20' W. 6.80 chs. -- impossible to secure longer base -- from W. end of which, flag at the cor. of secs. 2, 3, 34 and 35 brs. S. 17°02' E. The three angles of the triangle are therefore 14°15', 104°37' $\frac{1}{2}$ ' and 61°07' $\frac{1}{2}$ ' the sum of which is 180°. The distance triangulated is given from the sine proportion:



$$\frac{X}{6.80} = \frac{\sin. 104^{\circ}37\frac{1}{2}'}{\sin. 14^{\circ}15'}$$

log. 6.80	=	0.832509
log.sin. 104°37' $\frac{1}{2}$ '	=	9.985698
		<u>0.818207</u>
log.sin. 14°15'	=	9.391206
log. X	=	<u>1.427001</u>
X	=	26.73 chs. The north-

ing of this line is 26.70 chs., and the westing from the true line is 1.29 chs.

Subdivision of T. 28 N., R. 14 W.

BOOK 3562 17

Chains

26.70

Rim of Meriwhitica Canyon, 900 ft. above sec. cor., brs. E. and W. Impossible to set over to true line because of small canyon coming into main canyon from N. 10° W. Continue N. 0° 1' W. on offset line, 1.29 chs. W. of true line.

Desc. 190 ft.

39.50

Canyon, course SE. Asc.

40.00

Offset East 1.29 chs. to true line, and set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground, with marked (x) stone, for 1/4 sec. cor.; and raise a mound of stone around post, with brass cap marked

1/4
S34 | S35

1921

Continue N. 0° 1' W. on true line, bet. secs. 34 and 35. Asc. 100 ft.

43.00

Spur, slopes W. Desc. 85 ft.

44.45

Small canyon, 15 lks. wide, course SW. Asc. 60 ft.

47.20

Spur, slopes E. Desc. 25 ft.

48.20

Gulch, 10 lks. wide, course S. 20° E. Asc. 70 ft.

50.70

Spur, slopes W. Desc. 35 ft.

53.60

Ravine, 10 lks. wide, course SW. Asc. 490 ft.

80.00

Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground, in a mound of stone, with marked (x) stone, for cor. of secs. 26, 27, 34 and 35, marked on brass cap

T28N | R14W
S27 | S26
S34 | S35
1921

From which

A juniper, 8 ins. diam., brs. N. 29° E., 263 lks. dist., marked T28N R14W S26 BT.

A juniper, 8 ins. diam., brs. N. 65 1/2° W., 307 lks. dist., marked T28N R14W S27 BT.

No other trees within limits. Raise a mound of stone, 2 ft. base, 1 1/2 ft. high W. of cor.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, juniper and pine.

Undergrowth, buck brush, scrub oak, prickly ash and cactus.

East on a random line, bet. secs. 26 and 35.

40.00

Set temp. 1/4 sec. cor.

79.90

Intersect N. and S. line, 16 lks. N. of the cor. of secs. 25, 26, 35 and 36.

Thence N. 89° 53' W. on a true line, bet. secs. 26 and 35.

Over rolling land, through scattering timber and undergrowth.

Asc. 220 ft.

37.25

Desc. 15 ft.

39.95

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

1/4 S 26
S 35
1921

From which

A cedar, 8 ins. diam., brs. N. 86 1/2° W., 393 lks. dist., marked 1/4 S26 BT.

A pine, 10 ins. diam., brs. S. 51 1/4° W., 236 lks. dist., marked 1/4 S35 BT.

Chains	Continue ascent, 155 ft.
55.00	Spur, slopes NE. Continue ascent 85 ft.
65.00	Desc. 25 ft.
70.00	Asc. 110 ft.
79.90	The cor. of secs. 26, 27, 34 and 35. Land, rolling. Soil, rocky, 4th rate. Timber, pine and cedar. Undergrowth, buck brush, scrub oak, sagebrush, Spanish dagger, cedar and cactus. Fair grazing.

	N.001'W. bet. secs. 26 and 27. Over rolling and mountainous land, through scattering undergrowth. Asc. 25 ft.
6.00	Low spur, slopes E. Desc. 205 ft.
15.30	Ravine, course E. Asc. 135 ft.
23.00	Spur, slopes E. Desc. 95 ft.
28.80	Ravine, course SE. Asc. 180 ft.
40.00	Set an iron post, 3 ft. long, 1 in. diam., on bed rock with cross (X) at exact cor. point, for $\frac{1}{4}$ sec. cor.; and raise a mound of stone around post, with brass cap marked.
	$\begin{array}{c} \frac{1}{4} \\ \text{S27} \mid \text{S26} \\ 1921 \end{array}$
	Continue ascent, 60 ft.
45.00	Spur, slopes SE. Desc. 85 ft.
48.75	Ravine, course SE. Asc. 70 ft.
55.75	Desc. 75 ft.
59.41	Ravine, course E. Asc. 120 ft.
65.10	Spur, slopes E. Desc. 115 ft.
79.50	Ravine, course N. 60°E. Asc. 15 ft.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., on bed rock, with cross (X) at exact cor. point, for cor. of secs. 22, 23, 26 and 27; and raise a mound of stone around post, with brass cap marked.
	$\begin{array}{c} \text{T28N} \mid \text{R14W} \\ \text{S22} \mid \text{S23} \\ \text{S27} \mid \text{S26} \\ 1921 \end{array}$
	Land, rolling and mountainous. Soil, rocky clay, 4th rate. No timber. Undergrowth, buck brush, scrub oak, prickly ash and cactus.

	S.89°53'E. on a random line, bet. secs. 23 and 26.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.70	Intersect N. and S. line, 9 lks. S. of the cor. of secs. 23, 24, 25 and 26. Thence N.89°57'W. on a true line, bet. secs. 23 and 26. Over rolling and mountainous land, through scattering undergrowth.
	Desc.
1.50	Draw, course S. Asc. 55 ft.
6.40	Spur, slopes S. Desc. 65 ft.
11.50	Asc. 25 ft.
14.20	Desc. 65 ft.
19.10	Asc. 20 ft.
20.90	Desc. 25 ft.

Chains.
 27.60 Draw, course SE. Asc. 95 ft.
 33.50 Spur, slopes SE. Desc. 15 ft.
 39.85 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, in a mound of stone with marked (X) stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$ S 23
 S 26
 1921

And raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
 Continue descent.
 44.70 Enter ravine, course S.60°E., from W. Asc. 145 ft. in ravine
 53.70 Leave ravine, course E., from NW. Continue ascent.
 59.70 Desc. 40 ft.
 64.70 Enter same ravine, course N.60°E., from W. Asc. 130 ft. along bottom of ravine.
 78.70 Leave ravine, course E., from SW. Asc.
 79.70 The cor. of secs. 22, 23, 26 and 27.
 Land, rolling and mountainous.
 Soil, rocky, 4th rate.
 Timber, none.
 Undergrowth, buck brush, scrub oak, prickly ash and cactus.

N. 0°1' W. bet. secs. 22 and 23.
 Over rolling land, through scattering undergrowth.
 Asc. 105 ft.
 11.85 Ridge, brs. NE. and SW. Desc. 160 ft.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$
 S22 | S23
 1921

From which
 A cedar, 7 ins. diam., brs. S. 49 $\frac{1}{2}$ °E., 122 lks. dist., marked $\frac{1}{4}$ S23 BT.
 A cedar, 8 ins. diam., brs. S. 85°W., 157 lks. dist., marked $\frac{1}{4}$ S22 BT.
 Asc. 30 ft.
 Desc. 140 ft.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in the ground, in a mound of stone, for cor. of secs. 14, 15, 22 and 23, marked on brass cap

T28N | R14W
 S15 | S14
 S22 | S23
 1921

From which
 A cedar, 18 ins. diam., brs. N. 40 $\frac{1}{2}$ °E., 46 lks. dist., marked T28N R14W S14 BT.
 A cedar, 8 ins. diam., brs. S. 31 $\frac{1}{2}$ °E., 228 lks. dist., marked T28N R14W S23 BT.
 A cedar, 10 ins. diam., brs. S. 31 $\frac{1}{2}$ °W., 84 lks. dist., marked T28N R14W S22 BT.
 A cedar, 10 ins. diam., brs. N. 68 $\frac{1}{2}$ °W., 133 lks. dist., marked T28N R14W S15 BT.
 Land, rolling.
 Soil, rocky, 4th rate.
 Timber, cedar and pine.
 Undergrowth, buck brush, scrub oak, sagebrush, rabbit brush, Spanish dagger, cedar and cactus.
 Fair grazing.

Chains S. 89° 57' E. on a random line, bet. secs. 14 and 23.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.72 Intersect N. and S. line, 33 lks. N. of the cor. of secs. 13, 14, 23 and 24.
 Thence N. 89° 43' W. on a true line, bet. secs. 14 and 23.
 Over rolling land, through scattering timber and undergrowth.
 Asc. 125 ft.
 23.65 Spur, slopes NE. Desc. 85 ft.
 39.86 Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$ S 14
 S 23
 1921

From which

A cedar, .8 ins. diam., brs. N. 37 $\frac{1}{2}$ ° E.,
 141 lks. dist., marked $\frac{1}{4}$ S14 BT.
 A cedar, .26 ins. diam., brs. S. 3 $\frac{1}{2}$ ° E.,
 165 lks. dist., marked $\frac{1}{4}$ S23 BT.
 40.50 Draw, course N. Asc. 35 ft.
 50.00 Thence over gently rolling land.
 59.00 Desc. 25 ft.
 64.00 Asc. 40 ft.
 76.45 Spur, slopes N. Desc. 20 ft.
 79.72 The cor. of secs. 14, 15, 22 and 23.

Land, rolling.
 Soil, rocky, 4th rate.
 Timber, cedar and pine.
 Undergrowth, buck brush, scrub oak, sagebrush, rabbit brush, Spanish dagger, cedar and cactus.
 Fair grazing.

N. 0° 1' W. bet. secs. 14 and 15.
 Over rolling land, through scattering timber and undergrowth.

Asc. 40 ft.
 Desc. 130 ft.
 7.00 Trail, brs. E. and W.
 25.00 Draw, course NE. Asc. 55 ft.
 31.05 Desc. 30 ft.
 35.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
 40.00

$\frac{1}{4}$
 S15 | S14
 1921

From which

A cedar, 10 ins. diam., brs. N. 89 $\frac{1}{4}$ ° E.,
 211 lks. dist., marked $\frac{1}{4}$ S14 BT.
 A pine, 10 ins. diam., brs. S. 27 $\frac{1}{2}$ ° W.,
 228 lks. dist., marked $\frac{1}{4}$ S15 BT.
 Continue descent.
 42.60 Draw, course E. Asc. 150 ft.
 58.70 Spur, slopes E. Desc. 150 ft.
 78.55 Draw, course NE. Asc.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 2 ins. in the ground, in a mound of stone with marked (X) stone for cor. of secs. 10, 11, 14 and 15, marked on brass cap

Chains

T28N R14W
S10 | S11
S15 | S14
1921

From which

- A cedar, 5 ins. diam., brs. N. 30 $\frac{1}{2}$ °E., 125 lks. dist., marked T28N R14W S11 BT.
- A cedar, 6 ins. diam., brs. S. 43°E., 108 lks. dist., marked T28N R14W S14 BT.
- A cedar, 7 ins. diam., brs. S. 34 $\frac{1}{2}$ °W., 441 lks. dist., marked T28N R14W S15 BT.

No other trees within limits. Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

Land, rolling.

Soil, rocky, 4th rate.

Timber, cedar, and pine.

Undergrowth, buck brush, scrub oak, sagebrush, rabbit brush, Spanish dagger, cedar and cactus.

Fair grazing.

- 40.00 S. 89043' E. on a random line, bet. secs. 11 and 14.
- 79.72 Set temp. $\frac{1}{4}$ sec. cor.
- Intersect N. and S. line, 12 lks. S. of the cor. of secs. 11, 12, 13 and 14.

Thence N. 89048' W. on a true line, bet. secs. 11 and 14.

Over rolling mountainous land, through scattering timber and undergrowth.

Desc. 55 ft.

- 6.70 Thence along S. side of ravine.
- 15.70 Ravine, course N. 80°E. Asc. 185 ft.
- 25.20 Spur, slopes NE. Desc. 30 ft.

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

$\frac{1}{4}$ S11
S14
1921

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

- 48.70 Continue descent, 40 ft.
 - Ravine, course NE. Asc. 95 ft.
 - 59.20 Spur, slopes NE. Desc. 50 ft.
 - 78.20 Ravine, course N. 20°E. Asc.
 - 79.72 The cor. of secs. 10, 11, 14 and 15.
- Land, rolling mountainous.
Soil, rocky, 4th rate.
Timber, juniper and pinyon.
Undergrowth, buck brush and scrub oak.

- 7.00 N. 001' W., bet. secs. 10 and 11.
- 20.85 Over rolling land, through scattering timber and undergrowth.
- 33.25 Asc. 35 ft.
- 40.00 Desc. 95 ft.
- Draw, course E. Asc. 100 ft.
- Spur, slopes E. Desc. 15 ft.
- Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

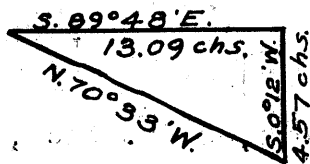
$\frac{1}{4}$
S10 | S11
1921

Chains From which
 A cedar, 8 ins. diam., brs. N. 69½° E.,
 279 lks. dist., marked ¼ S11 BT.
 A cedar, 20 ins. diam., brs. S. 17° W.,
 110 lks. dist., marked ¼ S10 BT.
 Continue descent, 90 ft.
 54.70 Draw, course NE. Asc. 30 ft.
 58.50 Spur, slopes NE. Desc. 120 ft.
 66.40 Draw, course NE. Asc. 95 ft.
 73.75 Desc. 50 ft.
 76.45 Draw, course E. Asc.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 4 ins. in the
 ground, in a mound of stone with marked (x) stone
 for cor. of secs. 2, 3, 10 and 11, marked on brass cap

T28N R14W
 S 3/S 2
 S10/S11
 1921

From which
 A cedar, 6 ins. diam., brs. N. 58½° E.,
 210 lks. dist., marked T28N R14W S2 BT.
 No other trees within limits. Raise a mound of
 stone, 2 ft. base, 1½ ft. high, W. of cor.
 Land, rolling.
 Soil, rocky, 4th rate.
 Timber, cedar and pine.
 Undergrowth, buck brush, scrub oak, sagebrush, rabbit
 brush, Spanish dagger, cedar and cactus.

15.90 S. 89° 48' E. on a random line, bet. secs. 2 and 11.
 Rim of canyon, brs. NW. and SE. Impossible to chain from
 this point. Set a flag ahead
 on a random line from which I
 measure a base S. 0° 12' W., 4.57
 chs.--impracticable to secure
 longer base--from the S. end of
 which, flag at the 15.90 ch. point
 brs. N. 70° 33' W. The three angles
 of the triangle are therefore
 70° 45', 19° 15' and 90°, the
 sum of which is 180°.



The distance triangulated is given by $\tan 70° 45' \times 4.57 = 2.86356 \times 4.57 = 13.09$ chs., which added to
 15.90 chs., gives

28.99 Continue S. 89° 48' E. on a random line, bet. secs. 2 and 11.
 40.00 Set temp. ¼ sec. cor.
 79.80 Intersect the cor. of secs. 1, 2, 11 and 12.
 Thence N. 89° 48' W. on a true line, bet. secs. 2 and 11.
 Over rolling and mountainous land, through scattering
 undergrowth.

Asc. 15 ft.
 3.45 Spur, slopes N. Desc. 180 ft.
 20.45 Draw, course NW. Asc. 35 ft.
 26.60 Desc. 35 ft.
 31.35 Draw, course NE. Asc. 160 ft.
 39.90 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the
 ground, in a mound of stone, with marked (X) stone
 for ¼ sec. cor., marked on brass cap

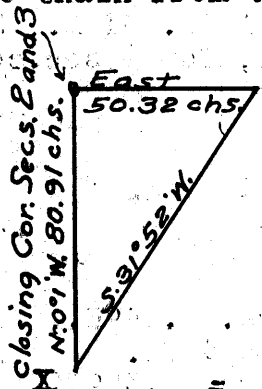
¼ S 2
 S11
 1921

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

Continue ascent.
 42.80 Spur, slopes NE. Desc. 90 ft.

Chains
 50.81 Rim of canyon, hrs. NE. and SW. Thence by triangulation
 63.90 Rim of canyon, hrs. NW and SE. Desc. 20 ft., distance
 by chaining.
 65.10 Asc. 170 ft.
 79.80 The cor. of secs. 2, 3, 10 and 11.
 Land, rolling and mountainous.
 Soil, rocky, 4th rate.
 Timber, none.
 Undergrowth, buck brush, scrub oak, sagebrush, rabbit brush,
 Spanish dagger, cedar and cactus.
 Fair grazing.

0.95 N. 001' W. on a true line, bet. secs. 2 and 3.
 Over mountainous land, through scattering undergrowth.
 Rim of canyon, 1200 ft. high, bears E. and W. Impossible
 to chain from this point. Set a flag ahead on line,
 on the Seventh Standard Parallel
 North. From flag measure a
 base East 50.32 chs., from E.
 end of which, flag at the 0.95
 ch. point hrs. S. 31° 52' W. The
 three angles of the triangle
 are therefore 89° 59', 58° 08' and
 31° 53', the sum of which is
 180°. The distance triangulated
 is given by the sine proportion:



$$\frac{50.32}{\sin 31^{\circ} 53'} = \frac{X}{\sin 58^{\circ} 08'}$$

log. 50.32	=	1.701741
log. sin. 58° 08'	-	9.929050
		<u>1.630791</u>
log. sin. 31° 53'	-	9.722791
log. X	=	<u>1.908000</u>
X	=	80.91 chs. which added

to 0.95 chs. gives 81.86 chs.
 Thence measure S. 001' E. 41.86 chs. to
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the
 ground, in a mound of stone with marked (X) stone for
 1/4 sec. cor., marked on brass cap

S 3 S 2
 1921
 And raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W.
 Cor. of cor. on rim rock, 2500 ft. high, bearing E. and W.
 Cor. stands on rim rock, 2500 ft. high, bearing E. and W.
 on N. side of canyon.

Thence N. 001' W. on a true line, bet. secs. 2 and 3.
 Asc. 55 ft.
 54.35 Desc. 60 ft.
 69.35 Asc. 65 ft.
 81.86 Intersect the Seventh Standard Parallel North, 9.15 chs.
 West of the standard 1/4 sec. cor. of sec. 35, T. 29 N.,
 R. 14 W., described in Book "F"
 At the point of intersection,
 Set an iron post, 3 ft. long, 2 ins. diam., 5 ins. in the
 ground, in a mound of stone with marked (X) stone for
 closing cor. of secs. 2 and 3, marked on brass cap

T29N R14W
 S35
 S 3 S 2
 T28N R14W
 C C
 1921

Chains

And raise a mound of stone, 2 ft. base, 1½ ft. high,
S. of cor.
Land, rolling and mountainous.
Soil, rocky, 4th rate.
Timber, none.
Undergrowth, buck brush, scrub oak, sagebrush, rabbit
brush, Spanish dagger, cedar and cactus.
Fair grazing.

From the cor. of secs. 3, 4, 33 and 34 on the S. bdy. of
Tp., described in Book "B"
N. 002' W. bet. secs. 33 and 34.
Over mountains land, through scattering timber and under-
growth.

Desc. 90 ft.

8.05 Ravine, course E. Asc. 285 ft.

37.60 Spur, slopes E. Desc. 15 ft.

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

¼
S33 | S34

1921

From which

A pine, 8 ins. diam., brs. N. 54° E.,
59 lks. dist., marked ¼ S34 BT.

A pine, 12 ins. diam., brs. N. 38° W.,
74 lks. dist., marked ¼ S33 BT.

Continue descent, 185 ft.

62.80 Ravine, course E. Asc. 345 Ft.

78.10 Cliff, 20 ft. high, brs. E. and S.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the
ground, in a mound of stone with marked (x) stone for
cor. of secs. 27, 28, 33 and 34, marked on brass cap

T28N | R14W

S28 | S27

S33 | S34

1921

From which

A cedar, 8 ins. diam., brs. N. 74° E.,
215 lks. dist., marked T28N R14W S27 BT.

A cedar, 16 ins. diam., brs. S. 35° W.,
94 lks. dist., marked T28N R14W S33 BT.

No other trees within limits.

Land, mountainous.

Soil, rocky clay, 4th rate.

Timber, juniper, cedar and pine.

Undergrowth, buck brush, scrub oak, sagebrush, rabbit
brush, Spanish dagger, cedar and cactus.

Fair grazing.

East on a random line, bet. secs. 27 and 34.

40.00 Set temp. ¼ sec. cor.

80.00 Intersect N. and S. line, 14 lks. N. of the cor. of secs.
(26, 27, 34 and 35.

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

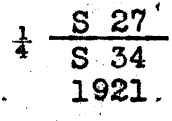
Over mountainous land, through scattering timber and
undergrowth.

Asc. 70 ft., on ridge, brs. E. and W.

5.00 Ridge, brs. N. 80° W. and E. Continue along S. slope.

Chains

15.60 Top of cliff, 15 ft. high, brs. NE. and SE. Desc. 375 ft.
 33.30 Draw, course S. Asc. 40 ft.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 9 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

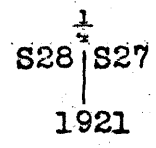


From which
 A cedar, 6 ins. diam. brs. N. 68 $\frac{1}{2}$ ° E.,
 36 lks. dist., marked $\frac{1}{4}$ S27 BT.
 A pine, 12 ins. diam., brs. S. 70 $\frac{1}{2}$ ° E.,
 315 lks. dist., marked $\frac{1}{4}$ S34 BT.

80.00 Continue ascent, 320 ft.
 The cor. of secs. 27, 28, 33 and 34.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, pine and cedar.
 Undergrowth, buck brush, scrub oak, sagebrush, rabbit brush,
 Spanish dagger, cedar and cactus.
 Fair grazing.

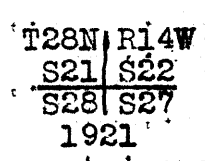
N. 0° 2' W. bet. secs. 27 and 28.
 Over rolling and mountainous land, through scattering timber and undergrowth.
 Asc. along E. slope.

16.00 Spur, slopes E. Desc. 135 ft.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 7 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap



From which
 A cedar, 5 ins. diam., brs. S. 24° E.,
 240 lks. dist., marked $\frac{1}{4}$ S27 BT.
 A cedar, 6 ins. diam., brs. N. 28° W.,
 249 lks. dist., marked $\frac{1}{4}$ S28 BT.

Continue descent, 100 ft.
 56.70 Ravine, course NE. Asc. 60 ft.
 72.50 Spur, slopes N. 60° E. Desc. 60 ft.
 78.00 Asc. 20 ft.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground, in a mound of stone, with marked (X) stone, for cor. of secs. 21, 22, 27 and 28, marked on brass cap



Land, rolling and mountainous.
 Soil, rocky, 4th rate.
 Timber, pine and cedar.
 Undergrowth, buck brush, scrub oak, sagebrush, rabbit brush, Spanish dagger, cedar and cactus.
 Fair grazing.

Chains S. 89054' E. on a random line, bet. secs. 22 and 27.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.90 Intersect N. and S. line, 19 lks. N. of the cor. of secs.
 22, 23, 26 and 27.
 Thence N. 89046' W. on a true line, bet. secs. 22 and 27.
 Over mountainous land, through scattering timber and
 undergrowth.
 Asc. 105 ft.
 13.00 Spar, slopes N. Desc. 140 ft.
 26.95 Ravine, course N. Asc. 40 ft.
 35.00 Spur, slopes N. Desc. 40 ft.
 39.95 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the
 ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked
 on brass cap

$$\frac{1}{4} \begin{array}{c} S 22 \\ S 27 \\ 1921 \end{array}$$

From which

A cedar, 20 ins. diam., brs. N. 80E.,
 177 lks. dist., marked $\frac{1}{4}$ S22 BT.

A cedar limb, 7 ins. diam., brs. S. 41 $\frac{1}{2}$ OE.,
 76 lks. dist., marked $\frac{1}{4}$ S27 BT.

Continue descent.

52.00 Ravine, course N. Asc. 145 ft.
 78.36 Ravine, course NE. Continue ascent.
 79.90 The cor. of secs. 21, 22, 27 and 28.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, cedar and pine.
 Undergrowth, buck brush, scrub oak, sagebrush, rabbit
 brush, Spanish dagger, cedar and cactus.
 Fair grazing.

N. 002' W., bet. secs. 21 and 22.

Over rolling land, through scattering timber and under-
 growth.

Asc. 50 ft.

8.50 Low spur, slopes E. Desc. 115 ft.
 37.80 Ravine, course NE. Asc.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the
 ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on
 brass cap

$$\begin{array}{c} \frac{1}{4} \\ S21 \mid S22 \\ 1921 \end{array}$$

From which

A juniper, 6 ins. diam., brs. N. 66 $\frac{1}{4}$ OE.,
 430 lks. dist., marked $\frac{1}{4}$ S22 BT.

A juniper, 6 ins. diam., brs. S. 52 $\frac{3}{4}$ OW.,
 45 lks. dist., marked $\frac{1}{4}$ S21 BT.

Asc. 30 ft.

Desc. 90 ft.

65.00 Draw, course E. Thence along S. slope.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the
 ground, for cor. of secs. 15, 16, 21 and 22, marked on
 brass cap

$$\begin{array}{c} T28N \mid R14W \\ S16 \mid S15 \\ \hline S21 \mid S22 \\ 1921 \end{array}$$

From which

A juniper, 12 ins. diam., brs. N. 51 $\frac{1}{2}$ OE.,
 49 lks. dist., marked T28N R14W S15 BT.

A juniper, 14 ins. diam., brs. S. 35 $\frac{3}{4}$ OE.,
 93 lks. dist., marked T28N R14W S22 BT.

.Subdivision of T. 28 N., R. 14 W.

Chains

A juniper, 8 ins. diam., brs. S. 20 1/2° W.,
151 lks. dist., marked T28N R14W S21 BT.
A juniper, 6 ins. diam., brs. N. 35 1/2° W.,
450 lks. dist., marked T28N R14W S16 BT.

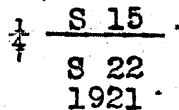
Land, rolling.
Soil, 2nd and 4th rates.
Timber, juniper and pinyon.
Undergrowth, buck brush, scrub oak, and prickly ash.
Fair grazing.

40.00
80.02

S. 89° 46' E. on a random line, bet. secs. 15 and 22.
Set temp. 1/4 sec. cor.
Intersect N. and S. line, .5 lks. S. of the cor. of secs.
14, 15, 22 and 23.

15.50
24.90
40.02

Thence N. 89° 48' W. on a true line, bet. secs. 15 and 22.
Over rolling land, through scattering timber and under-
growth.
Desc. 25 ft.
Draw, course NE. Asc. 60 ft.
Desc. 60 ft.
Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the
ground, in a mound of stone, for 1/4 sec. cor., marked on
brass cap



From which

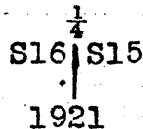
A juniper, 10 ins. diam., brs. N. 52 1/2° E.,
53 lks. dist., marked 1/4 S15 BT.
A juniper, 8 ins. diam., brs. S. 31 1/2° W.,
62 lks. dist., marked 1/4 S22 BT.

42.00
69.50
80.02

Continue descent.
Draw, course NE. Asc. 90 ft.
Spur, slopes NE. Desc. 50 ft.
The cor. of secs. 15, 16, 21 and 22.
Land, rolling.
Soil, 2nd and 4th rates.
Timber, juniper and pinyon.
Undergrowth, scrub oak, buck brush and prickly ash.
Fair grazing.

2.50
25.00
34.50
40.00

N. 0° 2' W. bet. secs. 15 and 16.
Over rolling land, through scattering timber and under-
growth.
Draw, course NE.
Asc. 70 ft.
Spur, slopes NE. Desc. 65 ft.
Set an iron post, 3 ft. long, 1 in. diam., on bed rock,
with marked (x) stone, for 1/4 sec. cor.; and raise a mound
of stone around post, with brass cap marked



56.28
63.00
69.48
75.00
80.00

Continue descent, 145 ft.
Asc. 45 ft.
Spur, slopes NW. Desc. 160 ft.
Ravine course NW. Thence along W. slope.
Ravine, course W. Asc. 20 ft.
Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the
ground, in a mound of stone, for cor. of secs. 9, 10.

Chains

15 and 16, marked on brass cap

T28N	R14W
S 9	S10
S16	S15
1921.	

From which

- A juniper, 12 ins. diam., brs. N.29 $\frac{1}{2}$ °E.,
42 lks. dist., marked T28N R14W S10 BT.
- A juniper, 8 ins. diam., brs. S.41 $\frac{1}{2}$ °E.,
90 lks. dist., marked T28N R14W S15 BT.
- A juniper, 10 ins. diam., brs. S.14 $\frac{1}{2}$ °W.,
184 lks. dist., marked T28N R14W S16 BT.
- A juniper, 8 ins. diam., brs. E.83 $\frac{1}{2}$ °W.,
47 lks. dist., marked T28N R14W S9 BT.

Land, rolling and rolling mountainous.

Soil, 2nd and 4th rates.

Timber, juniper and pinyon.

Undergrowth, buck brush, scrub oak and prickly ash..

Fair grazing.

-
- 40.00 S.89°48'E. on a random line, bet. secs. 10 and 15.
Set temp. $\frac{1}{4}$ sec. cor.
 - 80.04 Intersect N. and S. line, 7 lks. S. of the cor. of secs.
10, 11, 14 and 15.
Thence N.89°51'W. on a true line, bet. secs. 10 and 15.
Over rolling land, through scattering timber and under-
growth.
 - 16.55 Asc. 150 ft.
 - 34.55 Low spur, slopes N.20°E. Desc. 60 ft.
 - 40.02 Draw, course NE. Asc.
 - 40.02 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the
ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked
on brass cap

$\frac{1}{4}$	S 10
$\frac{1}{4}$	S 15
1921	

From which

- A juniper, 8 ins. diam., brs. S.43°W.,
95 lks. dist., marked $\frac{1}{4}$ S15BT.
- A juniper, 8 ins. diam., brs. S.83 $\frac{1}{2}$ °W.,
120 lks. dist., marked $\frac{1}{4}$ S15 BT.

- 53.05 Continued gradual ascent, 65 ft.
- 64.05 Spur, slopes N. 20°E. Thence along N. slope.
- 80.04 Spur, slopes NW. Desc. 135 ft.
- 80.04 The cor. of secs. 9, 10, 15 and 16.
Land, rolling and rolling mountainous.
Soil, rocky, 4th rate.
Timber, juniper and pinyon.
Undergrowth, buck brush, and scrub oak.
Fair grazing.

-
- 7.88 N.0°2'W. bet. secs. 9 and 10.
 - 12.85 Over rolling mountainous land, through scattering timber
and undergrowth.
 - 19.28 Desc. 135 ft.
 - 27.90 Small canyon, course NE. Asc. 95 ft.
 - 30.00 Desc. 120 ft.
 - 39.50 Ravine, course E. Asc. 155 ft.
 - 39.50 Desc.
 - 39.50 Ravine, course E. Asc. 65 ft.
 - 39.50 Spur, slopes NE. Desc.

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

$S\ 9\ \frac{1}{2}\ S10$
1921

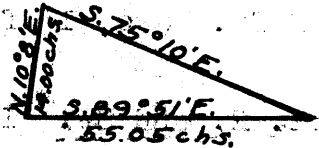
From which
A juniper, 10 ins. diam., brs. S. $84\frac{1}{2}^{\circ}OE.$,
87 lks. dist., marked $\frac{1}{4}S10$ BT.
A juniper, 6 ins. diam., brs. $52\frac{1}{2}^{\circ}OW.$,
91 lks. dist., marked $\frac{1}{4}S9$ BT.

Continue descent, 45 ft.
46.75 Asc. 30 ft.
54.42 Desc. 240 ft.
64.06 Small canyon, course SE. Asc. 65 ft.
69.69 Desc. 65 ft.
76.69 Ravine, course SE. Asc. 155 ft.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., on bed rock, with marked stone, for cor. of secs. 3, 4, 9 and 10; and raise a mound of stone around post, with brass cap marked

T28N R14W
S 4 S 3
S 9 S10
1921

Land, rolling mountainous.
Soil, rocky, 4th rate.
Timber, juniper and pinyon.
Undergrowth, buck brush, scrub oak, and prickly ash.
Fair grazing.

7.10 S. $89^{\circ}51'E.$ on a random line, bet. secs. 3 and 10.
Set a flag ahead on line, across arm of canyon. From the 7.10 ch. point, measure a base N. $10^{\circ}8'E.$ 14.00 chs. from N. end of which, flag brs. S. $75^{\circ}10'E.$
The three angles of the triangle are therefore $80^{\circ}1'$, $85^{\circ}18'$ and $14^{\circ}41'$, the sum of which is 180° . The distance triangulated is given by the sine proportion:



$$\frac{X}{14.00} = \frac{\sin. 85^{\circ}18'}{\sin. 14^{\circ}41'}$$

log. 14.00	=	1.146128
log. sin. $85^{\circ}18'$	-	9.998537
		1.144665
log. sin. $14^{\circ}41'$	-	9.403938
log. X	-	1.740727
X	=	55.05 chs. which added

to 7.10 chs., gives 62.15 chs.
From the 7.10 ch. point,
S. $89^{\circ}51'E.$ on a random line.
30.00 Set temp. witness cor. to $\frac{1}{4}$ sec. cor. Thence by triangulation.
62.15 Continue S. $89^{\circ}51'E.$ on a random line, bet. secs. 3 and 10.
79.92 Intersect N. and S. line, 16 lks. N. of the cor. of secs. 2, 3, 10 and 11.
Thence N. $89^{\circ}44'W.$ on a true line, bet. secs. 3 and 10.
Over rolling land, through scattering timber and undergrowth, distance by chaining.
17.77 Rim of canyon, 1000 ft. high, bears NE. and SW. Thence by triangulation.
39.96 The true point for $\frac{1}{4}$ sec. cor. is inaccessible.

Chains
49.92

Rim of canyon, brs. N. and S. Set an iron post, 3 ft. long, 1 in. diam., on bed rock, with marked (X) stone, for witness cor. to $\frac{1}{4}$ sec. cor.; and raise a mound of stone around post, with brass cap marked

$\frac{1}{4}$ S 3³ W C
S10
1921

Thence by chaining:

Desc.
52.15 Asc. 300 ft.
60.75 Desc. 15 ft.
62.85 Asc. 55 ft.
74.90 Spur, slopes S. 20° E. Asc. 70 ft.
79.92 The cor. of secs. 3, 4, 9 and 10.
Land, rolling and mountainous.
Soil, rocky, 4th rate.
Timber, juniper and cedar.
Undergrowth, buck brush, scrub oak, and prickly ash.
Fair grazing.

N. 0° 2' W. on a true line, bet. secs. 3 and 4.
Over rolling and mountainous land, through scattering undergrowth.

Asc. 90 ft.
15.00 Ridge, brs. E. and W.. Desc. 100 ft.
27.70 Draw, course E. Asc. 75 ft.
36.00 Spur, slopes NE. Desc. 15 ft.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, in a mound of stone with marked (X) stone for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$
S 4¹ S 3
1921

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

Continue descent, 110 ft.
51.90 Rim of canyon, 1500 ft. high, brs. E. and SW. Impossible to continue measurement.
Land, mountainous and rolling.
Soil, rocky, 4th rate.
No timber.
Undergrowth, buck brush, scrub oak, sagebrush, rabbit brush, Spanish dagger, cedar and cactus.
Fair grazing.

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

N. 0° 3' W. bet. secs. 32 and 33.

Over rolling land, through scattering timber and undergrowth.

Desc. 90 ft.
15.95 Trail, brs. NE. and SW.
16.35 Draw, course SE. Asc. 115 ft.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$
S 32¹ S 33
1921

Subdivision of T. 28 N., R. 14 W.

Chains

From which

A cedar, 16 ins. diam., brs. S. 51¹/₂° E.,
94 lks. dist., marked ¹/₄ S33 BT.
A cedar, 16 ins. diam. brs. S. 59¹/₂° W.,
95 lks. dist., marked ¹/₄ S32 BT.

Continue ascent, 275 ft.

51.65 Top of cliff, 75 ft. high, brs. E. and W. Desc. 185 ft.

70.45 Draw, course E. Asc. 230 ft.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 2 ins. in the
ground, in a mound of stone for cor. of secs. 28, 29,
32 and 33, marked on brass cap

T28N	R14W
S29	S28
S32	S33
1921	

From which.

A pine, 8 ins. diam., brs. S. 32¹/₂° W.,
136 lks. dist., marked T28N R14W S32 BT.
A pine, 8 ins. diam., brs. N. 80¹/₂° W.,
352 lks. dist., marked T28N R14W S29 BT.

No other trees within limits

Land, rolling and mountainous.

Soil, rocky, 4th rate.

Timber, pine and cedar.

Undergrowth, buck brush, scrub oak, sagebrush, rabbit
brush, Spanish dagger, cedar and cactus.

Fair grazing.

East on a random line, bet. secs. 28 and 33.

40.00 Set temp, ¹/₄ sec. cor.

79.76 Intersect N. and S. line, .9 lks. N. of the cor. of secs.
27, 28, 33 and 34.

Thence N. 89° 56' W. on a true line, bet. secs. 28 and 33.

Over mountainous land, through scattering timber and under-
growth.

Desc. 295 ft.

7.90 Top of cliffs, .75 ft. high, br. NW. and SE. Continue des-
cent.

23.60 Draw, course SE. Asc. 85 ft.

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

¹ / ₄	S 28
	S 33
1921	

From which

A pine, 14 ins. diam., brs. N. 6¹/₂° E.,
125 lks. dist., marked ¹/₄ S28 BT.
A pine, 12 ins. diam., brs. S. 21¹/₂° E.,
141 lks. dist., marked ¹/₄ S33 BT.

Continue ascent, 330 ft.

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

Land, mountainous.

Soil, rocky, 4th rate.

Timber, pine and cedar.

Undergrowth, buck brush, scrub oak, sagebrush, rabbit
brush, Spanish dagger; cedar and cactus.

Fair grazing.

Chains N. 003' W. bet. secs. 28 and 29.
Over rolling land, through scattering timber and undergrowth.

Asc.
1.00 Ridge, brs. E. and NW. Desc. 75 ft.
7.90 Asc.
24.00 Spur, slopes NE. Desc. 115 ft.
39.50 Draw, course E. Asc.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$
S29 | S28
1921

From which
A cedar, 16 ins. diam., brs. S. 46 $\frac{3}{4}$ ° E.,
334 lks. dist., marked $\frac{1}{4}$ S28 BT.
A cedar, 18 ins. diam., brs. S. 17° W.,
250 lks. dist., marked $\frac{1}{4}$ S29 BT.
Asc. 40 ft.
45.00 Spur, slopes E. Desc. 45 ft.
49.50 Draw, course E. Asc. 185 ft.
65.00 Desc. 105 ft.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground in mound of stone for cor. of secs. 20, 21, 28 and 29, marked on brass cap.

T28N | R14W
S20 | S21
S29 | S28
1921

From which
A cedar, 12 ins. diam., brs. N. 48° E.
193 lks. dist., marked T28N R14W S21 BT.
A pine, 8 ins. diam., brs. S. 14 $\frac{1}{2}$ ° E.,
140 lks. dist., marked T28N R14W S28 BT.
A pine, 16 ins. diam., brs. S. 37° W.,
82 lks. dist., marked T28N R14W S29 BT.
A cedar, 9 ins. diam., brs. N. 54° W.,
26 lks. dist., marked T28N R14W S20 BT.

Land, rolling.
Soil, rocky, 4th rate.
Timber, cedar and pine.
Undergrowth, buck brush, scrub oak, sagebrush, rabbit brush, Spanish dagger, cedar and cactus.
Fair grazing.

40.00 S. 89° 56' E. on a random line, bet. secs. 21 and 28.
Set temp. $\frac{1}{4}$ sec. cor.
79.80 Intersect N. and S. line, 19 lks. S. of the cor. of secs. 21, 22, 27 and 28.
Thence S. 89° 56' W. on a true line, bet. secs. 21 and 28.
Over rolling and mountainous land, through scattering timber and undergrowth.
Asc. 115 ft.
19.00 Spur, slopes NE. Desc. 120 ft.
34.81 Ravine, course N. Asc. 45 ft.
39.90 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap.

$\frac{1}{4}$ S21
S 28
1921

From which

Chains

A juniper, 14 ins. diam., brs. N. 72 $\frac{1}{2}$ °W.,
118 lks. dist., marked $\frac{1}{4}$ S21 BT.

A juniper, 12 ins. diam., brs. S. 30°E.,
98 lks. dist., marked $\frac{1}{4}$ S28 BT.

Continue ascent.

45.00 Spur, slopes N. Desc. 100 ft.

51.20 Junction of washes, from S. and SW., course N. Asc.
185 ft.

73.00 Ridge, brs. N. and S. Desc. 30 ft.

79.80 The cor. of secs. 20, 21, 28 and 29.
Land, rolling and mountainous.
Soil, rocky, 4th rate.
Timber, juniper and pinyon.
Undergrowth, buck brush, scrub oak, prickly ash and cactus.
Fair grazing.

N. 003°W. bet. secs. 20 and 21.
Over rolling and mountainous land, through scattering
timber and undergrowth.
Desc. 100 ft.

11.00 Head of draw, course NE. Asc. 45 ft.

21.00 Spur, slopes NE. Desc. 75 ft.

28.50 Head of draw, course NE. Asc. 50 ft.

39.00 Ridge, brs. NE. and S. 100°W. Desc.

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



From which

A cedar, 6 ins. diam., brs. N. 41°E.,
190 lks. dist., marked $\frac{1}{4}$ S21 BT.

A pine, 12 ins. diam., brs. N. 62 $\frac{3}{4}$ °W.,
75 lks. dist., marked $\frac{1}{4}$ S20 BT.

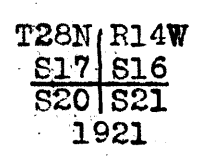
Continue descent, 225 ft.

60.00 Asc. 35 ft.

62.10 Trail, brs. NW. and SE.

63.15 Desc. 160 ft.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the
ground, in a mound of stone, for cor. of secs. 16, 17,
20 and 21, marked on brass cap



From which

A cedar, 6 ins. diam., brs. N. 13 $\frac{1}{2}$ °E.,
54 lks. dist., marked T28N R14W S16 BT.

A cedar, 16 ins. diam., brs. S. 35°E.,
9 lks. dist., marked T28N R14W S21 BT.

A cedar, 18 ins. diam., brs. S. 39 $\frac{1}{2}$ °W.,
201 lks. dist., marked T28N R14W S20 BT.

A cedar, 10 ins. diam., brs. N. 58 $\frac{1}{2}$ °W.,
128 lks. dist., marked T28N R14W S17 BT.

Land, rolling and mountainous.
Soil, rocky, 4th rate.
Timber, pine and cedar.
Undergrowth, buck brush, scrub oak, sagebrush, rabbit
brush, Spanish dagger, cedar and cactus.
Fair grazing.

Chains N. 89°56'E. on a random line, bet. secs. 16 and 21.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.88 Intersect N. and S. line, 5 lks. N. of the cor. of secs. 15, 16, 21 and 22.
 Thence S. 89°58'W. on a true line, bet. secs. 16 and 21.
 Over rolling land, through scattering timber and undergrowth.

7.80
 1.90
 14.95
 24.90
 39.94

Desc.
 Draw, course NE. Asc. 65 ft.
 Desc. 45 ft.
 Asc. 25 ft.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$ S 16
 S 21
 1921

From which

A juniper, 8 ins. diam., brs. N. 62 $\frac{1}{2}$ °E.,
 130 lks. dist., marked $\frac{1}{4}$ S16 BT.
 A juniper, 8 ins. diam., brs. S. 66 $\frac{1}{2}$ °W.,
 103 lks. dist., marked $\frac{1}{4}$ S21 BT.

Continue ascent, 30 ft.
 43.40 Ridge, brs. NE. and SW. Desc. 130 ft.
 60.20 Ravine, course NW. Asc. 35 ft.
 66.40 Desc. 115 ft.
 76.90 Draw, course NW. Asc.
 79.88 The cor. of secs. 16, 17, 20 and 21.
 Land, rolling.
 Soil, rocky, 4th rate.
 Timber, pinyon and cedar.
 Undergrowth, buck brush, scrub oak, prickly ash and cactus.
 Fair grazing.

N. 0°3'W. bet. secs. 16 and 17.
 Over rolling and mountainous land, through scattering timber and undergrowth.

Desc. 40 ft.
 7.50 Road, brs. E. and W. to Clay Springs.
 8.00 Draw, course NE. Asc. 190 ft.
 36.00 Spur, slopes SE. Desc. 20 ft.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 3 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$
 S17 | S16
 1921

From which

A juniper, 8 ins. diam., brs. S. 47 $\frac{1}{2}$ °E.,
 24 lks. dist., marked $\frac{1}{4}$ S16 BT.
 A juniper, 8 ins. diam., brs. S. 88 $\frac{1}{2}$ °W.,
 68 lks. dist., marked $\frac{1}{4}$ S17 BT.

Continue descent, 65 ft.
 50.00 Draw, course SE. Asc. 235 ft.
 67.50 Ridge, brs. NW. and SE. Desc. 185 ft.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 8, 9, 16 and 17, marked on brass cap

T28N | R14W
 S 8 | S 9
 S17 | S16
 1921

Subdivision of T. 28 N., R. 14 W.

Chains

From which

- A juniper, 18 ins. diam., brs. N.41^oE., 174 lks. dist., marked T28N R14W S9 BT.
- A juniper, ins. diam., brs. S. 39^oE. 24 lks. dist., marked T28N R14W S16 BT.
- A juniper, 14 ins. diam., brs. S.24^oW. 23 lks. dist., marked T28N., R14W S17 BT.
- A juniper, 8 ins. diam., brs. N.30^oW. 93 lks. dist., marked T28N R14W S8 BT.

Land, rolling and mountainous.
 Soil, rocky, 4th rate.
 Timber, juniper and pinyon.
 Undergrowth, buck brush, scrub oak and prickly ash.
 Fair grazing.

N.89^o58'E., on a random line, bet. secs. 9 and 16.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.96 Intersect N. and S. line, 5 lks. S. of the cor. of secs. 9, 10, 15 and 16.
- Thence S.89^o56'W. on a true line, bet. secs. 9 and 16.
- Over rolling and mountainous land, through scattering timber and undergrowth.
- Desc. 125 ft.
- 6.21 Gulch, course NE. Asc. 225 ft.
- 25.00 Ravine, course SE. Continue ascent.
- 30.00 Spur, slopes SE. Desc. 40 ft.
- 35.00 Ravine, course SE. Asc. 35 ft.
- 39.98 Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$ S 9
 S16
 1921

From which

- A juniper, 12 ins. diam., brs. N.24^oE., 265 lks. dist., marked $\frac{1}{4}$ S9 BT.
- A pinyon, 8 ins. diam., brs. S.73^oW., 177 lks. dist., marked $\frac{1}{4}$ S16 BT.

Continue ascent, 125 ft.
 48.95 Spur, slopes NE. Desc. 145 ft.
 66.95 Ravine, course N.10^oE., Asc. 90 ft.
 74.95 Spur, slopes N.10^oE. Desc. 60 ft.
 79.96 The cor. of secs. 8, 9, 16 and 17.
 Land, rolling and mountainous.
 Soil, rocky, 4th rate.
 Timber, juniper and pinyon.
 Undergrowth, buck brush, scrub oak and prickly ash.
 Fair grazing.

N.0^o3'W., bet. secs. 8 and 9.
 Over rolling and mountainous land, through scattering timber and undergrowth.

- Along W. slope.
- 10.00 Desc. 90 ft.
- 21.00 Ravine, course NE. Asc. 35 ft.
- 29.00 Spur, slopes NE. Desc. 60 ft.
- 35.00 Ravine, course N. 70^oE. Asc.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

S 8 | S 9
 1921

Chains

From which

A juniper, 6 ins. diam., brs. N.50°W.,
1ks. dist., marked $\frac{1}{4}$ S8 BT.

A juniper, 10 ins. diam., brs. S.68°E.,
60 lks. dist., marked $\frac{1}{4}$ S9 BT.

Continue ascent, 205 ft.

64.80

Ridge, brs. NE. and SW. Desc. 100 ft.

80.00

Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground, in a mound of stone with marked (x) stone for cor. of secs. 4, 5, 8 and 9, marked on brass cap

T28N R14W
S 5 | S 4
S 8 | S 9
1921

From which

A juniper, 6 ins. diam., brs. S.29 $\frac{1}{2}$ °E.,
267 lks. dist., marked T28N R14W S9 BT.

A juniper, ins. diam., brs. S.41°W.,
453 lks. dist., marked T28N R14W S8 BT.

A pinyon, 8 ins. diam.; brs. N.1 $\frac{1}{2}$ °W.,
142 lks. dist., marked T28N R14W S5 BT.

No other bearing tree within limits.

Land, rolling and mountainous.

Soil, rocky, 3rd and 4th rates.

Timber, juniper and pinyon.

Undergrowth, buck brush, scrub oak, and prickly ash.

Fair grazing.

N.89°56'E. on a random line, bet. secs. 4 and 9.

40.00

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

79.94

Intersect N. and S. line, 12 lks. S. of the cor. of secs. 3, 4, 9 and 10.

Thence S.89°51'W. on a true line, bet. secs. 4 and 9.

Over rolling mountainous land, through scattering timber and undergrowth.

Desc. 200 ft.

2.85

Ravine, course SE. Asc. 200 ft.

25.60

Desc. 25 ft.

34.15

Ravine, course NE. Asc. 70 ft.

39.97

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

$\frac{1}{4}$ S 4
S 9
1921

From which

A juniper, 6 ins. diam., brs. N.90°W.,
119 lks. dist., marked $\frac{1}{4}$ S4 BT.

A juniper, 6 ins. diam., brs. S.7 $\frac{1}{2}$ °E.,
15 lks. dist., marked $\frac{1}{4}$ S9 BT.

Continue ascent, 250 ft.

75.95

Spur, slopes N. 10°E., Desc. 60 ft.

79.94

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

Land, rolling mountainous.

Soil, rocky, 4th rate.

Timber, juniper and pinyon.

Undergrowth, buck brush, scrub oak and prickly ash.

Fair grazing

At 7.85 chs. N.0°3'W. bet. secs. 4 and 5, rim of canyon brs. NE. and SW. It is impossible to survey this mile; I therefore discontinue the survey at this point.

Chains From the cor. of secs. 5, 6, 31 and 32, on the S, bdy. of Tp., described in Book "B".
 N. 0°3' W. bet. secs. 31 and 32.
 Over rolling and mountainous land, through scattering timber and undergrowth.
 Asc. 60 ft.
 12.00 Ridge, brs. NE. and SW. Desc. 80 ft.
 25.00 Asc. 35 ft.
 30.00 Desc. 35 ft.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor. marked on brass cap

$\frac{1}{4}$
 S31 | S32

1921

From which

A juniper, 6 ins. diam., brs. N. 66° E.,
 103 lks. dist., marked $\frac{1}{4}$ S32 BT.

A juniper, 8 ins. diam., brs. S. 69° W.,
 107 lks. dist., marked $\frac{1}{4}$ S31 BT.

Asc. 20 ft.

42.90 Desc. 235 ft.

69.50 Thence along W. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, in a mound of stone, for cor. of secs. 29, 30, 31 and 32, marked on brass cap

T28N R14W

S30 | S29
 S31 | S32

1921

From which

A juniper, 8 ins. diam., brs. N. 14 $\frac{1}{2}$ ° E.,
 178 lks. dist., marked T28N R14W S29 BT.

A juniper, 10 ins. diam., brs. S. 47 $\frac{1}{2}$ ° E.,
 120 lks. dist., marked T28N R14W S32 BT.

A juniper, 8 ins. diam., brs. S. 17 $\frac{1}{2}$ ° W.,
 77 lks. dist., marked T28N R14W S31 BT.

A pinyon, 6 ins. diam., brs. N. 47° W.,
 27 lks. dist., marked T28N R14W S30 BT.

Land, rolling and mountainous.

Soil, rocky, 4th rate.

Timber, pinyon and juniper.

Undergrowth, scrub oak, buck brush, sagebrush, rabbit brush, Spanish dagger, cedar and cactus.

Fair grazing.

40.00 East on a random line, bet. secs. 29 and 32.

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

Intersect N. and S. line, 11 lks. N. of the cor. of secs. 28, 29, 32 and 33.

Thence N. 89°55' W. on a true line, bet. secs. 29 and 32.

Over rolling and mountainous land, through scattering timber and undergrowth.

Desc. 70 ft.

10.75 Asc. 230 ft.

26.00 Main divide, brs. NE. and SW. Desc. 250 ft.

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

$\frac{1}{4}$ S 29
 S 32
 1921

Chains	<p>From which</p> <p>A pinyon, 8 ins. diam., brs. N.120W., 93 lks. dist., marked $\frac{1}{4}$S29 BT.</p> <p>A pinyon, 5 ins. diam., brs. S.260E., 43 lks. dist., marked $\frac{1}{4}$S32 BT.</p> <p>Desc. 155 ft.</p> <p>48.00 Asc. 60 ft.</p> <p>62.00 Desc. 115 ft.</p> <p>80.04 The cor. of secs. 29, 30, 31 and 32. Land, rolling and mountainous. Soil, rocky, 4th rate. Timber, pinyon and juniper. Undergrowth, buck brush, scrub oak, sagebrush, rabbit brush, Spanish dagger, cedar and cactus. Fair grazing.</p> <hr/> <p>West on a random line, bet. secs. 30 and 31.</p> <p>40.00 Set temp. $\frac{1}{4}$ sec. cor.</p> <p>79.58 Fall 12 lks. N. of the cor. of secs. 25, 30, 31 and 36. on the W. bdy. of Tp., hereinbefore described. Thence N.89°55'E. on a true line, bet. secs. 30 and 31. Over gently rolling land, through scattering timber and undergrowth.</p> <p>21.60 Desc. 50 ft.</p> <p>30.60 Enter level land, brs. NW. and SE.</p> <p>34.60 Wash, course NE.</p> <p>39.58 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap</p> <p style="text-align: center;">$\frac{1}{4}$ <u>S 30</u> S 31 1921</p> <p>From which</p> <p>A juniper, 24 ins. diam., brs. N. 330W., 168 lks. dist., marked $\frac{1}{4}$S30 BT.</p> <p>A juniper, 15 ins. diam., brs. S.730W., 423 lks. dist., marked $\frac{1}{4}$S31 BT.</p> <p>48.10 Road, brs. NE. and SW. to Clay Springs.</p> <p>54.60 Leave flat, brs. NE. and SW. Asc. 65 ft.</p> <p>79.58 The cor. of secs. 29, 30, 31 and 32. Land, gently rolling and level. Soil, rocky, 4th rate. Timber, juniper and pinyon. Undergrowth, buck brush, scrub oak, sagebrush, rabbit brush, Spanish dagger, cedar and cactus. Fair grazing.</p> <hr/> <p>N.003'W. bet. secs. 29 and 30.</p> <p>30.00 Over gently rolling land, through scattering timber and undergrowth.</p> <p>40.00 Desc. 60 ft.</p> <p>40.00 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, in a mound of stone for $\frac{1}{4}$ sec. cor., marked on brass cap</p> <p style="text-align: center;">$\frac{1}{4}$ S30 S29 1921</p> <p>From which</p> <p>A juniper, 8 ins. diam., brs. S.370E., 27 lks. dist., marked $\frac{1}{4}$S29 BT.</p> <p>A juniper, 12 ins. diam., brs. S.18$\frac{1}{2}$0W., 116 lks. dist., marked $\frac{1}{4}$S30 BT.</p>
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Chains Desc. 120 ft.
 58.00 Enter draw, course NE.
 62.00 Road, brs. SW. to Clay Springs and NE.
 63.50 Wash, course NE. Leave draw, asc.
 74.90 Desc. 80 ft.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, in a mound of stone, for cor. of secs. 19, 20, 29 and 30, marked on brass cap

T28N R14W
 S19 S20
 S30 S29
 1921

From which
 A juniper, 8 ins. diam., brs. N.75°E.,
 107 lks. dist., marked T28N R14W S20 BT.
 A juniper, 10 ins. diam., brs. S.51½°E.,
 283 lks. dist., marked T28N R14W S29 BT.
 A juniper, 12 ins. diam., brs. S.16½°W.,
 134 lks. dist., marked T28N R14W S30 BT.
 A juniper, 12 ins. diam., brs. N.47°W.,
 17 lks. dist., marked T28N R14W S19 BT.
 Land, rolling and gently rolling.
 Soil, rocky, 4th rate.
 Timber, juniper and pinyon.
 Undergrowth, buck brush, scrub oak, sagebrush, rabbit brush, Spanish dagger, cedar and cactus.
 Fair grazing.

40.00 S.89°55'E. on a random line, bet. secs. 20 and 29.
 80.00 Set temp, ¼ sec. cor.
 Intersect N. and S. line, 9 lks. S. of the cor. of secs. 20, 21, 28 and 29.
 Thence N.89°59'W. on a true line, bet. secs. 20 and 29.
 Over rolling and mountainous land, through scattering timber and undergrowth.
 Desc. 320 ft.
 32.00 Ravine, course N. Trail brs. N. and S. Asc. 70 ft.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, in a mound of stone, for ¼ sec. cor. marked on brass cap

¼ S. 20
 8 29
 1921

From which
 A juniper, 10 ins. diam., brs. N. 30°W.,
 110 lks. dist., marked ¼S20 BT.
 A pinyon, 12 ins. diam., brs. S.14°E.,
 40 lks. dist., marked ¼S29 BT.
 Asc. 25 ft.
 47.50 Spur, slopes N. Desc. 160 ft.,
 66.00 Road, brs. SW. to Clay Springs and NE.
 67.00 Wash, course NE. Asc. 60 ft.
 80.00 The cor. of, secs. 19, 20, 29 and 30.
 Land, rolling and mountainous.
 Soil, rocky, 4th rate.
 Timber, pinyon and juniper.
 Undergrowth, buck brush, scrub oak, sagebrush, rabbit brush, Spanish dagger, cedar and cactus.
 Fair grazing.

S.89°55'W. on a random line bet. secs. 19 and 30

40

Subdivision of T. 28 N., R. 14 W.

Chains Set temp. $\frac{1}{4}$ sec. cor.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.44 Fall 9 lks. N. of the cor. of secs. 19, 24, 25 and 30.
 on the W. bdy. of Tp. hereinbefore described.
 Thence N. 89° 51' E. on a true line, bet. secs. 19 and 30.
 Over slightly rolling land, through scattering timber and
 undergrowth.
 Desc. 45 ft.
 32.95 Road, brs. SW. to Clay Springs and NE.
 34.45 Center of draw, 2 chs. wide, course NE. Asc. gradually.
 39.44 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$$\frac{1}{4} \begin{array}{l} \text{S 19} \\ \text{S 30} \\ 1921 \end{array}$$

From which

A juniper, 6 ins. diam., brs. N. 32 $\frac{1}{2}$ ° E.,
 104 lks. dist., marked $\frac{1}{4}$ S19 BT.

A juniper, 8 ins. diam., brs. S. 11 $\frac{1}{2}$ ° E.,
 174 lks. dist., marked $\frac{1}{4}$ S30 BT.

Asc. 65 ft.

55.45 Spur, slopes NE. Desc. 100 ft.
 79.44 The cor. of secs. 19, 20, 29 and 30.
 Land, rolling and slightly rolling.
 Soil, rocky, 4th rate.
 Timber, juniper and pinyon.
 Undergrowth, buck brush, scrub oak and prickly ash.
 Fair grazing.

N. 0° 3' W. bet. secs. 19 and 20.

Over slightly rolling land, through scattering timber
 and undergrowth.

Asc. 35 ft.

Desc.

10.00 Center of draw, 2 chs. wide, course NE.
 17.00 Asc. 35 ft.
 22.50
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the
 ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked
 on brass cap

$$\frac{1}{4} \begin{array}{l} \text{S19} \\ \text{S20} \\ 1921 \end{array}$$

From which

A juniper, 10 ins. diam., brs. N. 75 $\frac{1}{2}$ ° E.,
 52 lks. dist., marked $\frac{1}{4}$ S20 BT.

A juniper, 12 ins. diam., brs. S. 45° W.,
 60 lks. dist., marked $\frac{1}{4}$ S19 BT.

Desc. 50 ft.

53.00 Ravine, course NE. Asc. 60 ft.
 62.00 Ravine, course SE. Continue ascent.
 65.50 Spur, slopes E. Desc. 50 ft.
 79.00 Ravine, course E. Asc.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the
 ground, for cor. of secs. 17, 18, 19 and 20, marked on
 brass cap

$$\begin{array}{l} \text{T28N R14W} \\ \text{S18 S17} \\ \text{S19 S20} \\ 1921 \end{array}$$

From which

A juniper, 10 ins. diam., brs. N. 11° E.,
 141 lks. dist., marked T28N R14W S17 BT.

A juniper, 8 ins. diam., brs. S. 62 $\frac{1}{2}$ ° E.,
 212 lks. dist., marked T28N R14 W. S20 BT.

Subdivision of T. 28 N., R. 14 W.

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Chains	<p>A juniper, 9 ins. diam., brs. S. 62$\frac{1}{2}$°W., 318 lks. dist., marked T28N R14W S19 BT. A juniper, 10 ins. diam., brs. N. 64$\frac{1}{2}$°W., 128 lks. dist., marked T28N R14W S18 BT.</p> <p>Land, slightly rolling. Soil, 2nd and 4th rates. Timber, juniper and pinyon. Undergrowth, buck brush, scrub oak, and prickly ash. Fair grazing.</p> <p>-----</p> <p>S. 89°59'E. on a random line, bet. secs. 17 and 20.</p> <p>40.00 Set temp. $\frac{1}{4}$ sec. cor. 80.16 Intersect N. and S. line, 23 lks. S. of the cor. of secs. 16, 17, 20 and 21. Thence S. 89°51'W. on a true line, bet. secs. 17 and 20. Over slightly rolling land, through scattering timber and undergrowth. Desc. 50 ft.</p> <p>13.50 Draw, course N. Asc: 45 ft. 28.90 Wire fence, brs: NW. and SE. 34.00 Desc. 15 ft. 39.60 Draw, course NE. Asc. 40.08 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap</p> <p style="text-align: center;"> $\frac{1}{4}$ S 17 $\frac{1}{4}$ S 20 1921 </p> <p>From which</p> <p>A cedar, 14 ins. diam., brs. N. 65$\frac{1}{2}$°W., 74 lks. dist., marked $\frac{1}{4}$S17 BT. A cedar, 6 ins. diam., brs. S. 35$\frac{1}{2}$°W., 19 lks. dist., marked $\frac{1}{4}$S20 BT.</p> <p>Desc.</p> <p>43.45 Draw, course S. 44.25 Fence, brs. N. 80°E. and S. 80°W. 45.70 Draw, course NE. Asc. 50 ft. 54.40 Road, brs. SW. to Clay Springs and NE. Desc. 20 ft. 72.95 Wash, 6 ft. deep, course SE. Thence over slightly rolling land.</p> <p>75.15 Trail, brs. NW. and SE. 77.45 Trail, brs. NE. and SW. 78.56 Draw, course NE. 80.16 The cor. of secs. 17, 18, 19 and 20. Land, rolling and slightly rolling. Soil, rocky, 4th rate. Timber, cedar and pinyon. Undergrowth, buck brush, scrub oak, sagebrush, rabbit brush, Spanish dagger, cedar and cactus. Fair grazing.</p> <p>-----</p> <p>S. 89°51'W. on a random line, bet. secs. 18 and 19.</p> <p>40.00 Set temp. $\frac{1}{4}$ sec. cor. 79.36 Fall 21 lks. S. of the cor. of secs. 13, 18, 19 and 24. on the W. bdy. of Tp. hereinbefore described. Thence East on a true line, bet. secs. 18 and 19. Over rolling land, through scattering timber and under- growth. Asc. 60 ft.</p> <p>5.50 Spur, slopes N. Desc. 310 ft. 27.60 Draw, course NE. Asc. 65 ft. 39.36 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the</p>
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Subdivision of T. 28 N., R. 14 W.

Chains ground, in a mound of stone, with marked (X) stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$ S 18
S 19
1921

65.35 Desc. 155 ft.
66.85 Draw, course NE. Asc. 75 ft.
79.36 Trail, brs. NE. and SW.
The cor. of secs. 17, 18, 19 and 20.
Land, rolling.
Soil, rocky, 4th rate.
Timber, pine and cedar.
Undergrowth, buck brush, scrub oak, sagebrush, rabbit brush, Spanish dagger, cedar and cactus.
Fair grazing.

N.0°3'W. bet. secs. 17 and 18.
Over rolling and mountainous land, through scattering timber and undergrowth.
Asc. 30 ft.

3.50 Trail, brs. NW. and SE.
6.30 Desc. 30 ft.
11.50 Draw, course E. Asc. 30 ft.
17.00 Spur, slopes E. Desc. 30 ft.
22.00 Draw, course SE. Asc. 185 ft.
39.50 Spur, slopes N.60°E. Desc.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$
S18 | S17
1921

From which
A juniper, 6 ins. diam., brs. N.21°E.,
77 lks. dist., marked $\frac{1}{4}$ S17 BT.
A juniper, 12 ins. diam., brs. S.37 $\frac{1}{2}$ °E.,
63 lks. dist., marked S17 BT.

Continue descent, 235 ft.

71.00 Draw, course NE. Asc.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 7, 8, 17 and 18, marked on brass cap

T28N | R14W
S 7 | S 8
S18 | S17
1921

From which
A juniper, 48 ins. diam., brs. N.49°E.,
100 lks. dist., marked T28N R14W S8 BT.
A juniper, 16 ins. diam., brs. S.76 $\frac{1}{2}$ °E.,
234 lks. dist., marked T28N R14W S17 BT.
A juniper, 12 ins. diam., brs. S.43°W.,
348 lks. dist., marked T28N R14W S18 BT.
A juniper, 20 ins. diam., brs. N.38 $\frac{1}{2}$ °W.,
401 lks. dist., marked T28N R14W S7 BT.

Land, rolling and mountainous.
Soil, rocky, 4th rate.
Timber, juniper and pinyon.
Undergrowth, buck brush, scrub oak, and prickly ash.
Fair grazing.

Chains N.89°51'E. on a random line, bet. secs. 8 and 17.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.20 Intersect N. and S. line, 9 lks. S. of the cor. of secs. 8; 9, 16 and 17.
 Thence S.89°47'W. on a true line, bet. secs. 8 and 17.
 Over tolling mountainous land, through scattering timber and undergrowth.
 Desc.
 1.70 Draw, course NE. Asc. 145 ft.
 15.00 Spur, slopes NE. Desc. 170 ft.
 27.00 Ravine, course NW. Thence along N. slope.
 35.00 Draw, course NE: Asc. 60 ft.
 40.10 Set an iron post, 3-ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked on brass cap.

$\frac{1}{4}$ S-8
 S17
 1921

From which
 A juniper, 6 ins. diam., brs. N.74°W.,
 46 lks. dist., marked $\frac{1}{4}$ S8 BT.
 A juniper, 12 ins. diam., brs. S.86 $\frac{1}{2}$ °W.,
 102 lks. dist., marked $\frac{1}{4}$ S17 BT.

Continue ascent:
 40.50 Spur, slopes N. Desc. 75 ft.
 52.50 Center of draw; 3 chs. wide, course N.30°E. Thence over slightly rolling land.
 60.70 Center of draw, 3 chs. wide, course S.60°E.
 72.50 Center of draw, 3 chs. wide, course NE.
 80.20 The cor. of secs. 7, 8, 17 and 18.
 Land, rolling mountainous and slightly rolling.
 Soil, rocky, 2nd and 4th rates.
 Timber, juniper and pinyon.
 Undergrowth, buck brush, scrub oak and prickly ash.
 Fair grazing.

West on a random line, bet. secs. 7 and 18.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.22 Fall 9 lks. S. of the cor. of secs. 7, 12, 13 and 18, on the W. bdy. of Tp.; hereinbefore described.
 Thence S.89°56'E. on a true line bet. secs. 7 and 18
 Over slightly rolling land; through dense timber and scattering undergrowth.
 Desc. 45 ft.
 10.00 Enter scattering timber.
 12.00 Thence over slightly rolling land.
 20.00 Set an iron post, 3 ft. long, 1 in. diam., on bed rock with cross (X) at exact cor. point, for $\frac{1}{4}$ sec. cor., and raise a mound of stone around post, with brass cap marked

$\frac{1}{4}$ S 7
 S 18
 1921

From which
 A cedar, 6 ins. diam., brs. North.
 194 lks. dist., marked $\frac{1}{4}$ S7 BT.
 A cedar, 20 ins. diam., brs. S.70 $\frac{1}{2}$ °W.
 94 lks. dist., marked $\frac{1}{4}$ S18 BT.

Asc. 15 ft.
 44.30 Desc. 30 ft.
 52.10 Draw, course N. Asc. 130 ft.
 61.15 Spur, slopes N. Desc. 180 ft.
 79.22 To be cor. of secs. 7, 8, 17 and 18.
 Land, rolling and slightly rolling.

Chains Soil, rocky, 4th rate.
 Timber, cedar and pine.
 Undergrowth, buck brush, scrub oak, sagebrush, rabbit
 brush, Spanish dagger, cedar and cactus.
 Fair grazing.

N.0°3'W. bet. secs. 7 and 8.
 Over rolling land, through scattering timber and under-
 growth.
 Desc.

8.00 Draw, course E. Asc. 85 ft.
 24.45 Ridge, brs. NE. and SW. Desc. 60 ft.
 38.50 Draw, course NE.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 5 ins. in the
 ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on
 brass cap

S 7 | S 8
 1921

From which

A cedar, 8 ins. diam., brs. S. 43 $\frac{3}{4}$ °E.,
 233 lks. dist., marked $\frac{1}{4}$ S8 BT.
 A cedar, 10 ins. diam., brs. S. 46 $\frac{3}{4}$ °W.,
 167 lks. dist., marked $\frac{1}{4}$ S7 BT.

Asc. 30 ft.
 49.50 Spur, slopes NE. Desc. 55 ft.
 56.50 Asc. 25 ft.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in the
 ground, in a mound of stone, for cor. of secs. 5, 6, 7
 and 8, marked on brass cap

T28N | R14W
 S 6 | S 5
 S 7 | S 8
 1921

From which

A cedar, 8 ins. diam., brs. N. 54 $\frac{3}{4}$ °E.,
 272 lks. dist., marked T28N R14W S5 BT.
 A cedar, 8 ins. diam., brs. S. 26°E.,
 93 lks. dist., marked T28N R14W S8 BT.
 A cedar, 10 ins. diam., brs. S. 20 $\frac{1}{2}$ °W.,
 211 lks. dist., marked T28N R14W S7 BT.
 A cedar, 14 ins. diam., brs. N. 82°W.,
 285 lks. dist., marked T28N R14W S6 BT.

Land, rolling.
 Soil, rocky, 4th rate.
 Timber, cedar and pine.
 Undergrowth, buck brush, scrub oak, sagebrush, rabbit
 brush, Spanish dagger, cedar and cactus.
 Fair grazing.

N.89°47'E. on a random line, bet. secs. 5 and 8.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.18 Intersect N. and S. line, 7 lks. N. of the cor. of secs.
 4, 5, 8 and 9.
 Thence S. 89°50'W. on a true line, bet. secs. 5 and 8.
 Over mountainous land, through scattering undergrowth.
 Desc. 140 ft.

6.00 Canyon rim, bearing NE. and SW. 1. ch. north.
 10.50 Small ravine, course NE, Asc. 100 ft.
 17.25 Desc. 135 ft.

Subdivision of T. 28. N., R. 14 W.

Chains
 23.97 Ravine, course NE. Asc. 140 ft.
 29.50 Spur, slopes NE. Desc.
 40.09 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground, in a mound of stone, with marked (X) stone for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$ $\frac{S}{S}$ $\frac{5}{8}$
 1921

Continue descent, 155 ft.
 56.80 Ravine, course N. Asc. 15 ft.
 59.85 Desc. 10 ft.
 65.00 Ravine, course NE. Asc. 110 ft.
 80.18 The cor. of secs. 5, 6, 7 and 8.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, juniper and pinyon.
 Undergrowth, buck brush, scrub oak and prickly ash.
 Fair grazing.

N. 89° 56' W. on a random line, bet. secs. 6 and 7.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.26 Fall 5 lks. N. of th cor. of secs. 1, 6, 7 and 12, on the W. bdy. of Tp., hereinbefore described.
 Thence S. 89° 58' E. on a true line, bet. secs. 6 and 7.
 Over rolling land, through scattering timber and undergrowth.

Asc. 20 ft.
 4.50 Spur, slopes NE. Desc. 85 ft.
 13.30 Draw, course S. Asc. 15 ft.
 15.90 Spur, slopes S. Desc. 135 ft.
 22.10 Wire fence, brs. NE. and SW.
 35.30 Draw, course NE. Asc.
 38.60 Trail, brs. NE. and SW.
 39.26 Set an iron post; 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$ $\frac{S}{S}$ $\frac{6}{7}$
 1921

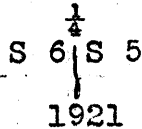
From which
 A cedar, 20 ins. diam., brs. N. 61° W., 154 lks. dist., marked $\frac{1}{4}$ S6 BT.
 A cedar, 8 ins. diam., brs. S. 81° W., 100 lks. dist., marked $\frac{1}{4}$ S7 BT.

Desc.
 43.25 Draw, course N. Asc. 90 ft.
 51.10 Spur, slopes NE. Desc. 140 ft.
 63.35 Draw, course N. Asc. 140 ft.
 75.25 Spur, slopes N. Desc.
 79.26 The cor. of secs. 5, 6, 7 and 8.
 Land, rolling.
 Soil, rocky, 4th rate.
 Timber, cedar and pine.
 Undergrowth, buck brush, scrub oak, sagebrush, rabbit brush, Spanish dagger, cedar and cactus.
 Fair grazing.

N. 0° 3' W. on a true line, bet. secs. 5 and 6.
 Over rolling and mountainous land, through scattering timber and undergrowth.

Chains
 16.35
 17.75
 40.00

Desc. 205 ft.
 Draw, course E.
 Draw, course SE. Asc. 160 ft.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap



From which

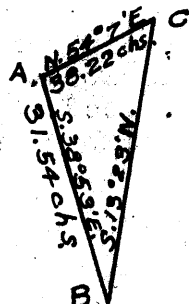
- A cedar, 6 ins. diam., brs. S. 51° E., 27 lks. dist., marked $\frac{1}{4}$ S 5 BT.
- A cedar, 6 ins. diam., brs. S. 72° W., 38 lks. dist., marked $\frac{1}{4}$ S 6 BT.

Continue ascent, 15 ft.

50.00 Spur, slopes NE. Desc. 90 ft.

60.86 Set flag for triangulation;

68.00 Canyon rim, brs. E. and W. 600 ft. high. Impossible to continue measurement by chaining. To determine the closing on the Seventh Standard Parallel North, I proceed as follows:



From a flag "A", 11.29 chs. East and 3.76 chs. North of the standard cor. of secs. 31 and 32, T. 29 N., R. 14 W., flag "B" at the 60.86 ch. point bet. secs. 5 and 6 brs. S. 38° 53' E. From "A" measure a base N. 54° 07' E. 38.22 chs. to flag "C". From "C", flag "B" brs. S. 13° 23' W. The three angles of the triangle are therefore 87°, 40° 44' and 52° 016', the sum of which is 180°:

The length of line AB is found from the sine proportion:

$$\frac{X}{38.22} = \frac{\sin. 40044'}{\sin. 52016'}$$

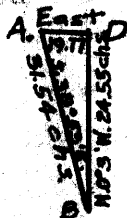
log. 38.22	=	1.582291
log. sin. 40044'	=	9.814607
		<hr/>
log. sin. 52016'	=	1.396898
log. X	=	9.898104
		<hr/>
X	=	31.54 chs.

If the line bet. secs. 5 and 6 were extended to meet line produced East from "A" at point "D", the three angles of the triangle ABD would be 51° 07', 90° 03', and 38° 50', the sum of which is 180°, and the lengths AD and BD are found from the sine proportion:

$$AD = \frac{\sin. 38050' \times 31.54}{\sin. 9003'}$$

log. sin. 38050'	=	9.797307
log. 31.54	=	1.498794
		<hr/>
log. sin. 9003'	=	1.296101
		<hr/>
AD	=	19.77

$$BD = \frac{\sin. 5107' \times 31.54}{\sin. 9003'}$$



Chains

log. 31.54	=	1.498794
log.sin.51°07'	=	9.891217
		<u>1.390011</u>
log.sin.90°03'	=	0
log. BD	=	1.390011
BD	=	24.85

The theoretical length of the line bet. secs. 5 and 6 is therefore 60.86 + 24.55 - 3.76 = 81.65 chs.
 The closing distance West from the standard $\frac{1}{4}$ sec.cor.of sec.32,T.29N.,R.14W.is therefore 40.00 - 11.29 - 19.77 = 8.94 chs.

Land, rolling and mountainous.
 Soil, rocky, 4th rate.
 Timber, pine and cedar.
 Undergrowth, buck brush, scrub oak, sagebrush, rabbit brush, Spanish dagger, cedar and cactus.
 Fair grazing.

The continued satisfactory adjustment of the solars during the survey of this township is indicated from field tests as described in Book "E".

GENERAL DESCRIPTION

The portion of this township surveyed under this Group is rolling and mountainous land, covered with a scattering growth of cedar and juniper, pine and pinyon timber and buck brush, scrub oak, sagebrush, rabbit, brush, Spanish dagger and cactus undergrowth. The soil is rocky, 2nd and 4th rates. A portion of the northern tier of secs. is rendered unsurveyable by deep canyons tributary to the Grand Canyon. There are no settlers. Roads lead from a fenced enclosure in sec. 20 to Clay Springs. No indications of mineral were observed in this township.

CERTIFICATE OF UNITED STATES ~~TRANSITMAN~~

BOOK 3562

I, Francis R. Ihrie, U.S. Transitman, surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 110, Arizona, bearing date of the 27th day of February, 1920, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the subdivision lines of

TOWNSHIP 28 NORTH, RANGE 14 WEST,

of the Gila and Salt River Base and Meridian, in the State of Arizona, 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 Instructions, and the special written instructions of the U. S. Surveyor General, for Group 110, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Place: Wash, D.C.

Francis R. Ihrie
U. S. Transitman, U. S. Surveyor

Date: May 31, 1923

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

....., 19

The foregoing field notes of the survey of

executed by under his special instructions dated, 19, 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.

BOOK 3562

4-680

FIELD ASSISTANTS. to

William B. Kimmel, U. S. Cadastral Engineer.

NAMES.	CAPACITY.
George G. Easton	1st Chainman
Robert M. Tatum	2nd Chainman
Odson Hopper	Flagman
Harry R. Johnson	Axman
Willard J. Francy	Axman
Mansfield S. Bryant	Cornerman
Samuel Dysart	2nd Chainman
John Towler	Flagman

CERTIFICATE OF UNITED STATES CADASTRAL ENGINEER.

BOOK 3562

I, William B. Kimmel, U.S. Cadastral Engineer, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 110, Arizona, bearing date of the 27th day of February, 1920, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the West boundary and Subdivision lines of

TOWNSHIP 28 NORTH, RANGE 14 WEST,

of the Gila and Salt River Base and Meridian, in the State of Arizona, which are represented in the foregoing field notes, and by diagram on page 1 hereof as having been executed by me, and under my direction; and that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General, for Group 110, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Place: Dixieland, Calif. Wm B Kimmel U.S. Cadastral Engineer. Date: June 7, 1923. APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, JUN 30, 1923.

The foregoing field notes of the survey of the West boundary and part of the Subdivision lines of TOWNSHIP 28 NORTH, RANGE 14 WEST,

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

executed by William B. Kimmel, U.S. Cadastral Engineer, and Francis R. Ihrle, U.S. Transitman, under his special instructions dated Feb. 27, 1920, for Group 110, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Francis R. Ihrle 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.