

3635

ORIS
1

Book "F"

4-679

BOOK 3635

FIELD NOTES

OF THE SURVEY OF THE

South boundary.

West boundary, and

Subdivision lines of

TOWNSHIP 32 NORTH, RANGE 14 WEST.

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

Dupree R. Averill, U.S. Surveyor,

William E. Hiester, U.S. Surveyor, and

Benjamin J. Kinsey, U.S. Transitman,

In the capacity of U. S. Surveyors, under Special Instructions dated October 12., 1916 issued by the United States Surveyor General to govern surveys included in Group No. 73., which were approved by the Commissioner of the General Land Office, October 24., 1916, and Assignment Instructions dated August 11., 1921 and March 30, 1922.

Survey commenced March 30, 1922.

Survey completed May 5, 1922.

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Book "F"

Group 73 - - Arizona.

Township 32 North, Range 14 West.

BOOK 3635

INDEX DIAGRAM.

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T. 32 N. R. 14 W.

— Lines surveyed under this group.

- - - - - Unsurveyed.

Book "F"

Group 73 - - - - - Arizona.

Township 32 North, Range 14 West.

DATE DIAGRAM
1922

Jan. 21, 1920

For dates of execution of survey of this line, see Books "D" and "E"

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————— Indicates surveys executed by Dupree R. Averill, U.S. Surveyor, on dates shown thereon.

————— Indicates surveys executed by William E. Hiester, U.S. Surveyor, on dates shown thereon.

----- Indicates surveys executed by Benjamin J. Kinsey, U.S. Transitman, on dates shown thereon.

Chains.

Surveys herein described were executed on dates shown on diagram on page 1 hereof by Dupree R. Averill, U.S. Surveyor, William E. Hiester, U.S. Surveyor, and Benjamin J. Kinsey, U.S. Transitman, using Young and Sons transits Nos. 8489 and 8541, and 8532. The instruments are equipped with full vertical circles, and the Smith solar attachments. Unless otherwise specified, all azimuth determinations are accomplished with the solar attachments.

Test of Young & Sons Transits Nos. 8489 and 8541, by Dupree R. Averill, and William E. Hiester, U.S. Surveyors.

March 26, 1922: Examine the adjustments of the transits, and correct all errors; then to test the adjustment of the solar apparatus of each instrument by comparing the indications resulting from solar observations made during a.m. and p.m. hours with a meridian determined by observation on Polaris, proceed with each instrument as follows:

At camp, which is located near the cor. of secs. 5, 6, 7 and 8, T. 32 N., R. 14 W., Gila and Salt River Base and Meridian, in latitude $36^{\circ}11\frac{1}{2}'N.$, longitude $113^{\circ}50'W.$, of Greenwich, at 6h. 44m. p.m., l.m.t., observe Polaris at the hour angle west of the meridian, making four observations, two each with telescope in direct and reversed positions, and turn the deflection angle to a reference mark about 1 mile dist. $1^{\circ}23'$ to the east.

March 27, 1922: The azimuth of Polaris is $1^{\circ}22'$ west of the meridian; therefore, the bearing of reference = N. $0^{\circ}1'$ E.

At 8h. 0m. a.m., l.m.t., set off $36^{\circ}11\frac{1}{2}'N.$ on the latitude arc, $2^{\circ}29'N.$ on the decl. arc, and determine a meridian with the solar, which agrees with the true meridian.

At app. noon, with the lat. arc unchanged, observe the sun on the meridian; the resulting reading of the decl. arc is $2^{\circ}32'N.$, which agrees with the computed declination of the sun.

At 3h. 0m. p.m., l.m.t., with the lat. arc unchanged set off $2^{\circ}35'N.$ on the decl. arc, and determine a meridian with the solar, which agrees with the true meridian.

As all of the observations made during the usual hours of solar work fall within 1' of the meridian determined by Polaris observation, conclude that the adjustment of each instrument is satisfactory.

Test of Young & Sons Transit No. 8532, by Benjamin J. Kinsey.

April 7, 1922: Examine the adjustments of the transit, and find no errors, then to test the solar apparatus by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a meridian, determined by observation on Polaris, proceed as follows:

At camp, near the cor. of secs. 21, 22, 27 and 28, T. 32 N., R. 14 W., Gila and Salt River Base and Meridian, in latitude $36^{\circ}9'N.$, longitude $113^{\circ}47\frac{1}{2}'W.$ of Greenwich, at 6h. 44m. p.m., l.m.t., observe Polaris at the hour angle west of the meridian, making four observations, two each with telescope in direct and reversed positions reading the deflection angles to a reference mark $1^{\circ}30'$ to the east.

Azimuth of Polaris is $1^{\circ}22\frac{1}{2}'$; therefore, the bearing of reference mark = N. $0^{\circ}7\frac{1}{2}'E.$

April 10, 1922: At 9h. 0m. a.m., l.m.t., set off $36^{\circ} 9'$ N. on the lat. arc; $7^{\circ} 50' N.$ on the decl. arc, and determine a meridian with the solar, which agrees with the true meridian.

At app. noon, with the latitude arc unchanged, observe the sun on the meridian; the resulting reading of the declination arc is $7^{\circ} 52\frac{1}{2}' N.$ which agrees with the computed declination of the sun.

At 3h. 0m. p.m., l.m.t., with the latitude arc unchanged, set off $7^{\circ} 55\frac{1}{2}' N.$ on the declination arc, and determine a meridian with the solar, which agrees with the true meridian..

As all of the solar observations made during the usual hours of solar work come within 1' of the true meridian conclude that the adjustments of the instrument are satisfactory.

Unless otherwise specified, all measurements are made with Lufkin and Lallie 5 ch. steel tapes compared with a standard steel tape, and found correct. The measurements are made on the slope, the slope angles determined with a clinometer, and the slope distances reduced to the true horizontal equivalent for entry in the field notes.

4 Survey of South bdy. of Township 32 North, Range 14 West.

Chains.

From the cor. of Ts. 31 and 32 N., Rs. 13 and 14 W., described in Book "C,"

West, on a true line, bet. secs. 1 and 36. Over mountainous land, thru. scattering timber and undergrowth.

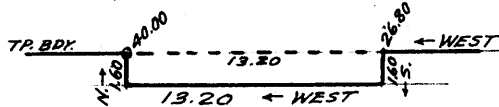
Descend 385 ft., over NW. slope.

17.50 Gulch, course N.

Ascend 290 ft., over NE. slope.

26.80 N. end of sharp ridge, brs. N. and S.

Descend 672 ft. to $\frac{1}{4}$ sec. cor. To avoid cliffs, measure by offset line, as follows:



South, 1.60 chs.; thence West, 13.20 chs.; thence North, 1.60 chs. to point on Tp. bdy. at

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 16 ins. in the ground to bed rock, supported in a mound of stone for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 36
S 1
1922

from which,

A pinyon, 8 ins. in diam., brs. N. $1\frac{1}{2}^\circ$ E., 55 lks. dist., marked $\frac{1}{4}$ S 36 BT.

A pinyon, 12 ins. in diam., brs. S. 12° E., 360 lks. dist., marked $\frac{1}{4}$ S 1 BT.

Descend 525 ft., over W. slope.

75.90 Wash, 100 lks. wide, in bottom of canyon, course S.

Ascend 12 ft.

76.70 Descend 15 ft.

79.20 Wash, 10 lks. wide, course S.

Ascend slightly over E. slope, to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 20 ins. in the ground to bed rock, supported in a mound of stone, for cor. of secs. 1, 2, 35 and 36, marked on brass cap,

T32N | R14W
S35 | S36
S 2 | S 1
T31N
1922

from which,

A pinyon, 14 ins. in diam., brs. N. $45\frac{1}{2}^\circ$ E., 100.0 lks. dist., marked T32N R14W S36 BT.

A cedar, 20 ins. in diam., brs. S. $56\frac{3}{4}^\circ$ E., 140 lks. dist., marked T31N R14W S1 BT.

A cedar, 14 ins. in diam., brs. S. $13\frac{1}{2}^\circ$ W., 113 lks. marked T31N R14W S2 BT.

A pinyon, 10 ins. in diam., brs. N. $87\frac{1}{2}^\circ$ W., 17 lks. dist., marked T32N R14W S35 BT.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, cedar and pinyon.

Undergrowth, sagebrush and black brush.

West, on a true line, bet. secs. 2 and 35. Over mountainous land, thru. scattering timber and undergrowth. Asc. 90 ft., over E. slope.

5.40 Spur, slopes S. Desc. 30 ft. over W. slope.

13.10 Wash, 20 lks. wide, course S. Asc. 165 ft., over E. slope.

22.50 Spur, slopes S. Desc. 15 ft., over W. slope.

24.30 Wash, 10 lks. wide, course S. Asc. 226 ft., over E. slope, to

Survey of South boundary of Township 32 North, Range 14 West. 5

Chains.

37.00 Point of spur, slopes SE. Asc. 15 ft., over S. slope, to
40.00 Set an iron post, 3 ft. long, 1 in. in diam., on sandstone ledge, supported in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 35
S 2
1922

from which,
A pinyon, 8 ins. in diam., brs. N. 86° E., 170 lks. dist., marked $\frac{1}{4}$ S 35 BT.
A pinyon, 14 ins. in diam., brs. S. 57 $\frac{1}{4}$ ° W., 154 lks. dist., marked $\frac{1}{4}$ S 2 BT.

65.00 Ascend 710 ft., over cliffs and steep E. slope.
Top of cliffs, brs. N. and S., facing E.

80.00 Ascend 88 ft., over SE. slope, to
Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 2, 3, 34 and 35, marked on brass cap,

T32N | R14W
S34 | S35
S 3 | S 2
T31N
1922

from which,
A cedar, 14 ins. in diam., brs. N. 20 $\frac{1}{2}$ ° E., 146 lks. dist., marked T32N R14W S35 BT.
A cedar, 4 ins. in diam., brs. S. 88 $\frac{1}{4}$ ° E., 103 lks. dist., marked BT.
A cedar, 4 ins. in diam., brs. S. 5° W., 136 lks. dist., marked BT.
A cedar, 4 ins. in diam., brs. N. 47° W., 85 lks. dist., marked BT.

Land, mountainous and rolling.
Soil, rocky, 4th rate.
Timber, cedar and pinyon.
Undergrowth, black brush, greasewood, sagebrush, cactus and Spanish bayonet.

West, on a true line, bet. secs. 3 and 34.
Over mountainous land, thru. scattering timber and undergrowth.

6.35 Ascend 95 ft., over SE. slope.
8.20 Descend slightly over S. slope.
Draw, course SE. near head.
Ascend 82 ft., over E. slope.

15.30 Ridge, brs. N. and S.
40.00 Descend 930 ft., over steep broken W. slope, to
Set an iron post, 3 ft. long, 1 in. in diam., 16 ins. in the ground to bed rock, supported in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 34
S 3
1922

from which,
A pinyon, 8 ins. in diam., brs. N. 83° W., 147 lks. dist., marked $\frac{1}{4}$ S 34 BT.
A pinyon, 14 ins. in diam., brs. S. 78 $\frac{1}{2}$ ° W., 426 lks. dist., marked $\frac{1}{4}$ S 3 BT.

53.90 Descend 300 ft., over steep W. slope, to
Wash, 30 lks. wide, course NW. Enter rolling land.

80.00 Descend 230 ft., over NW. slope, to
Set an iron post, 3 ft. long, 2 ins. in diam., 20 ins. in the ground, to bed rock, supported in a mound of stone, for cor. of secs. 3, 4, 33 and 34, marked on brass cap,

6. Survey of South boundary of Township 32 North, Range 14 West.

Chains.											
	<table border="1"> <tr><td>T32N</td><td>R14W</td></tr> <tr><td>S33</td><td>S34</td></tr> <tr><td>S 4</td><td>S 3</td></tr> <tr><td colspan="2">T31N</td></tr> <tr><td colspan="2">1922</td></tr> </table>	T32N	R14W	S33	S34	S 4	S 3	T31N		1922	
T32N	R14W										
S33	S34										
S 4	S 3										
T31N											
1922											
	<p>from which,</p> <p>A pinyon, 12 ins. in diam., brs. N. $28\frac{1}{4}^{\circ}$ E., 365 lks. dist., marked T32N R14W S34 BT.</p> <p>A cedar, 20 ins. in diam., brs. S. $41\frac{3}{4}^{\circ}$ E., 210 lks. dist., marked T31N R14W S3 BT.</p> <p>A cedar, 12 ins. in diam., brs. S. 23° W., 134 lks. dist., marked T31N R14W S4 BT.</p> <p>A pinyon, 12 ins. in diam., brs. N. $62\frac{3}{4}^{\circ}$ W., 450 lks. dist., marked T32N R14W S33 BT.</p> <p>Land, mountainous and rolling. Soil, rocky, 4th rate. Timber, cedar and pinyon. Undergrowth, black brush.</p> <p>-----</p> <p>West, on a true line, bet. secs. 4 and 33. Over rolling land, thru. scattering undergrowth. Descend 160 ft., over W. slope, to</p>										
15.50	Wash, 100 lks. wide, course NW.										
40.00	<p>Descend 130 ft., over NW. and W. slopes to</p> <p>Set an iron post, 3 ft. long, 1 in. in diam., 16 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for $\frac{1}{4}$ sec. cor., marked on brass cap,</p> <table border="1"> <tr><td>$\frac{1}{4}$ S</td><td>S33</td></tr> <tr><td>S 4</td><td></td></tr> <tr><td colspan="2">1922</td></tr> </table>	$\frac{1}{4}$ S	S33	S 4		1922					
$\frac{1}{4}$ S	S33										
S 4											
1922											
80.00	<p>No bearing trees available. Desc. 195 ft., over W. slope, to</p> <p>Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in the ground to bed rock, deposit a stone mkd. with a cross (x) at base of post, & raise a mound of stone around post for cor. of secs. 4, 5, 32 & 33, mkd. on brass cap,</p> <table border="1"> <tr><td>T32N</td><td>R14W</td></tr> <tr><td>S32</td><td>S33</td></tr> <tr><td>S 5</td><td>S 4</td></tr> <tr><td colspan="2">T31N</td></tr> <tr><td colspan="2">1922</td></tr> </table>	T32N	R14W	S32	S33	S 5	S 4	T31N		1922	
T32N	R14W										
S32	S33										
S 5	S 4										
T31N											
1922											
	<p>No bearing trees available. Land, rolling. Soil, rocky, 3rd and 4th rate. Timber, none. Undergrowth, black brush, and cactus.</p> <p>-----</p> <p>West, on a true line, bet. secs. 5 and 32. Over rolling land, thru. dense undergrowth. Descend 40 ft., over W. slope.</p>										
8.70	Wash, 30 lks. wide, course NW. Desc. 60 ft., over NW. slope, to										
30.50	Wash, 20 lks. wide, course NW. Enter gently rolling land:										
37.58	Descend slightly over NW. slope, to $\frac{1}{4}$ sec. cor.										
40.00	<p>Old road, brs. N. and S.</p> <p>Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,</p> <table border="1"> <tr><td>$\frac{1}{4}$ S</td><td>S 32</td></tr> <tr><td>S 5</td><td></td></tr> <tr><td colspan="2">1922</td></tr> </table>	$\frac{1}{4}$ S	S 32	S 5		1922					
$\frac{1}{4}$ S	S 32										
S 5											
1922											
51.60	<p>No bearing trees available. Dig pits, 18x18x12 ins., one each E. and W. of post, 3 ft. dist. Desc. 35 ft., over NW. slope.</p> <p>Wash, 20 lks. wide, course N. into head of canyon about 2 chs. N. Asc. gradually over NE. slope.</p>										
68.00	Ascend slightly over SE. slope, to										
80.00	<p>Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground for cor. of secs. 5, 6, 31, and 32, marked on brass cap,</p> <table border="1"> <tr><td>T32N</td><td>R14W</td></tr> <tr><td>S31</td><td>S32</td></tr> <tr><td>S 6</td><td>S 5</td></tr> <tr><td colspan="2">T31N</td></tr> <tr><td colspan="2">1922</td></tr> </table> <p>No bearing trees available.</p>	T32N	R14W	S31	S32	S 6	S 5	T31N		1922	
T32N	R14W										
S31	S32										
S 6	S 5										
T31N											
1922											

Survey of South boundary of Township 32 North, Range 14 West. 7

Chains.

dig pits, 18x18x12 ins., one each NE., SE., SW. and NW. of post, 3 ft. dist.
Land, rolling and gently rolling.
Soil, sandy and rocky, 3rd rate.
Timber, none.
Undergrowth, black brush.

West, on a true line, bet. secs. 6 and 31.
Over gently rolling land, thru scattering undergrowth.
Ascend slightly over SE. slope, to

25.00

Ascend 115 ft., over gradual SE. slope, to

35.00

Top of ascent brs. NE. and SW. Thence over gently rolling land.

40.00

Descend slightly over NW. slope, to
Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 31
S 6
1922

No bearing trees available. Dig pits, 18x18x12 ins., one each E. and W. of post, 3 ft. dist.

Continue over gently rolling land.

Descend slightly over NW. and N. slopes, to

78.42

Set an iron post, 3 ft. long, 3 ins. in diam., 26 ins. in the ground, for cor. of Ts. 31 and 32 N., Rs. 14 and 15 W., marked on brass cap,

T32N
R15W | R14W
S36 | S31
S 1 | S 6
T31N
1922

No bearing trees available. Dig pits, 18x18x12 ins., one each NE., SE., SW. and NW. of post, 3 ft. dist.

Land, gently rolling and rolling.

Soil, sandy and rocky, 3rd rate.

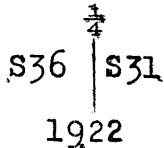
Timber, none.

Undergrowth, black brush, and sagebrush.

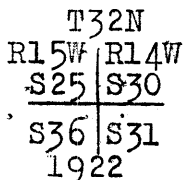
8 Survey of West boundary of Township 32 North, Range 14 West.

Chains.

From the cor. of Ts. 31 and 32 N., Rs. 14 and 15 W., hereinbefore described,
 North, on true line, bet. secs. 31 and 36.
 Over gently rolling land, thru. scattering undergrowth.
 Ascend slightly over W. slope.
 27.00 Descend slightly over W. slope, to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., on surface rock, deposit a stone, marked with a cross (x) at base of post, and raise mound of stone around post, for 1/4 sec. cor., marked on brass cap,

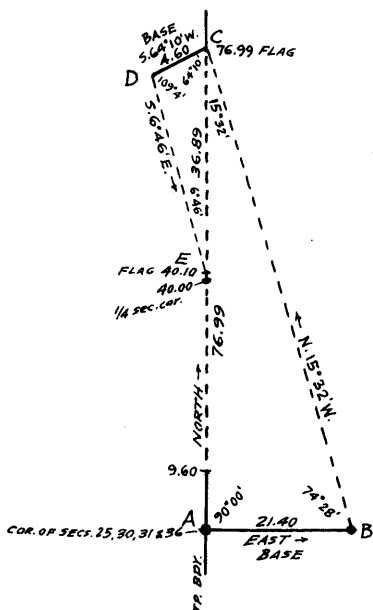


No bearing trees available.
 Continue over gently rolling land.
 Descend slightly over W. and NW. slopes, to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in the ground to bed rock, deposit a stone, marked with a cross (x) at base of post, and raise a mound of stone around post, for cor. of secs. 25, 30, 31 and 36, marked on brass cap,



No bearing trees available.
 Land, gently rolling.
 Soil, sandy and rocky, 3rd and 4th rate.
 Timber, none.
 Undergrowth, black brush, yucca and cactus.

9.60 North, on true line, bet. secs. 25 and 30.
 Over gently rolling land, thru. scattering undergrowth.
 Descend slightly over NW. slope, to
 South or left rim of canyon, brs. E. and W. Enter mountainous land. Beyond this point, precipitous slopes render chaining impracticable; therefore, triangulate as follows:



From cor. of secs. 25, 30, 31 and 36, designated as "A" on diagram, measure a Base east, 21.40 chs. to point "B."

Set flag ahead on range line, at point "C," on N. or right rim of canyon.

Vertical angle "A" to "C" is 0°.
 Bearing of "B-C" = N. 15° 32' W.
 Triangulated measurement of "A-C" = 76.99 chs.

From "C" measure a Base, S. 64° 10' W., 4.60 chs. along N. rim of canyon to point "D."

A longer Base is impracticable. Set flag on range line in bottom of canyon at "E."

Vertical angle "C" to "E" is - 26°.

Bearing of "D-E" = S. 6° 46' E.

Triangulated measurement of "C-E" = 36.89 chs.

Survey of West boundary of Township 32 North, Range k4 West. 9

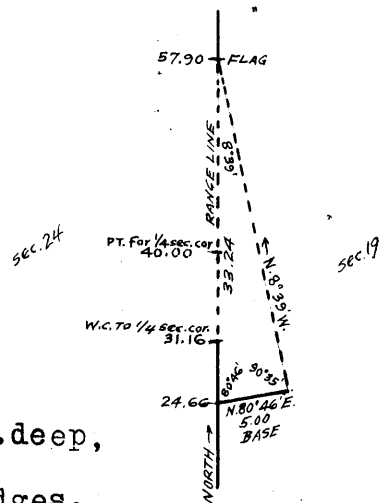
Chains.	Dist. on range line "A-C" = 76.99 chs. Dist. on range line "C-E" = 36.89 chs. Dist. on range line "A-E" = 40.10 chs. North. By return measurement 0.10 chs. 40.00 chs.
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, <div style="text-align: center;"> $\begin{array}{c} \frac{1}{4} \\ \text{S25} \mid \text{S30} \\ 1922 \end{array}$ </div>
40.10	No bearing trees available. Raise a mound of stone, 5 ft. base, $3\frac{1}{2}$ ft. high, W. of cor. Chain measurement North 0.10 chs. to Triangulation point. Continue chaining to
40.20	Wash, 40 lks. wide, course W. in bottom of canyon 1190 ft. below cor. of secs. 25, 30, 31 and 36. Discontinue chaining. Continue line and measurement by triangulation, hereinbefore described.
76.99	Ascend 1190 ft., over cliffs. Triangulation point at top of cliffs, 300 ft. high, bearing NE. and SW. facing SE. and forming N. or right rim of canyon. Leave canyon, and enter nearly level land.
80.00	Continue line and measurement by chaining. Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in the ground to bed rock, deposit a stone, marked with a cross (x) at base of post, and raise a mound of stone around post, for cor. of secs. 19, 24, 25 and 30, marked on brass cap, <div style="text-align: center;"> $\begin{array}{c} \text{T32N} \\ \text{R15W} \mid \text{R14W} \\ \text{S24} \mid \text{S19} \\ \text{S25} \mid \text{S30} \\ 1922 \end{array}$ </div>
	No bearing trees available. Land, gently rolling, mountainous and nearly level. Soil, rocky, 4th rate. Timber, none. Undergrowth, black brush and sagebrush.
24.66	----- North, on true line, bet. secs. 19 and 24. Over nearly level land, thru scattering undergrowth. Triangulation point at south or left rim of canyon, brs. N. 81° E. and S. 81° W. Enter mountainous land. Continue chaining.
31.16	Descend 675 ft., over precipitous N. slope, to Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to bed rock, deposit a stone, marked with a cross (x) at base of post, and raise a mound of stone around post, for witness cor. to $\frac{1}{4}$ sec. cor., marked on brass cap, <div style="text-align: center;"> $\begin{array}{c} \frac{1}{4} \\ \text{S24} \mid \text{S19} \\ 1922 \end{array}$ </div>
	No bearing trees available. Beyond this point chaining is impracticable; therefore, triangulate as follows: From 24.66 ch. station on range line, measure a Base, N. 80° 46' E., 5.00 chs. along the South or left rim of canyon.

10 Survey of West bdy. of Township 32 North, Range 14 West.

Chains.

A longer base is impracticable.
 Set flag ahead on range line
 at N. or right rim of canyon.
 Vertical angle to flag is 0°.
 From NE. end of Base, the flag
 brs. N. 8° 39' W.

Dist. on range line = 24.66 chs.
 Dist. triangulated = 33.24 chs.
 Total distance, = 57.90 chs.



38.00 (Approx.) bottom of canyon, about 900 ft. deep,
 course W.

Ascend over precipitous cliffs and ledges.

40.00 True point for 1/4 sec. cor. is inaccessible.

57.90 Triangulation point at top of cliff 200 ft. high, bearing
 E. and W. facing S. and forming the N. or right rim of
 the canyon. Leave canyon. Enter nearly level land.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in
 the ground to bed rock, deposit a stone, marked with
 a cross (x) at base of post, and raise a mound of
 stone around post, for cor. of secs. 13, 18, 19 and 24,
 marked on brass cap,

T32N	
R15W	R14W
S13	S18

S24	S19
1922	

No bearing trees available.
 Land, nearly level and mountainous.
 Soil, sandy and rocky, 3rd and 4th rate.
 Timber, none.
 Undergrowth, black brush.

North, on true line, bet. secs. 13 and 18.

40.00 Over nearly level land, thru. scattering undergrowth.
 Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in
 the ground, for 1/4 sec. cor., marked on brass cap,

1/4	
S13	S18
1922	

No bearing trees available.
 Dig pits, 18x18x12 ins., one each N. and S. of cor. 3 ft.
 dist.

67.50 South or left rim of canyon; brs. NW and SE. Enter moun-
 tainous land and scattering timber.

Descend 405 ft., over NE. slope, to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in
 the ground to bed rock, deposit a stone, marked with
 a cross (x) at base of post, and raise a mound of
 stone around post, for cor. of secs. 7, 12, 13 and 18,
 marked on brass cap,

T32N	
R15W	R14W
S12	S 7
S13	S18
1922	

from which,

A cedar, 12 ins. in diam., brs. N. 40 1/4° E., 210
 lks. dist., marked T32N R14W S7 BT.

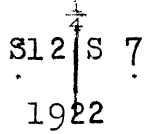
A cedar, 16 ins. in diam., brs. S. 51 1/2° E., 50
 lks. dist., marked T32N R14W S18 BT.

Survey of West boundary of Township 32 North, Range 14 West. 11

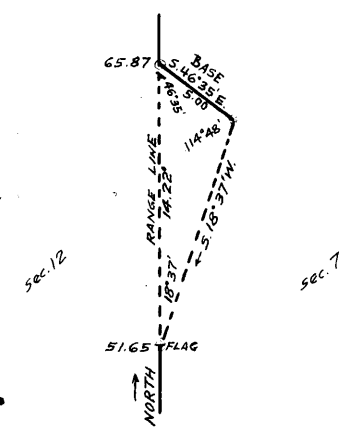
Chains.

A cedar, 30 ins. in diam., brs. N. 67 1/4° W., 260 lks. dist., marked T32N R15W S12 BT.
No other bearing trees available.
Land, nearly level and mountainous.
Soil, rocky 4th rate.
Timber, cedar.
Undergrowth, sagebrush and black brush.

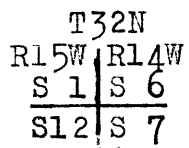
North, on true line, bet. secs. 7 and 12.
Over mountainous land, thru. scattering timber and undergrowth.
.20 Wash, 20 lks. wide, course NW. in bottom of canyon.
Ascend 230 ft., over SW. slope.
13.30 Descend 70 ft., over NW. slope.
16.50 Head of gulch, course NW.
Ascend 305 ft., over steep SW. slope.
29.40 NE. or right rim of canyon, brs. NW. and SE. Leave canyon; thence over nearly level land.
36.70 SW. or left rim of canyon, brs. NW. and SE. Enter mountainous land in canyon.
Descend 102 ft., over NE. slope, to
40.00 Set an iron post, 3 ft. long, 1 in. in diam., on surface rock, deposit a stone, marked with a cross (x) at base of post, and raise a mound of stone around post, for 1/4 sec. cor., marked on brass cap,



No bearing trees available.
51.65 Descend 375 ft., over steep broken NE. slope, to
Triangulation point at top of cliffs, bearing E. and W., facing N.
Chaining beyond this point is impracticable; therefore, triangulate as follows:
Set flag at this point.
From a point ahead on range line, measure a Base, S. 46° 35' E., 5.00 chs. along top of cliffs.
A longer Base is impracticable.
From SE end of Base, the flag brs. S. 18° 37' W.



Dist. on range line = 51.65 chs.
Dist. triangulated = 14.22 chs.
Total distance, = 65.87 chs.
60.00 (Approx.) Bottom of canyon, course NW.
Ascend over cliffs, facing SW.
65.87 Triangulation point at top of cliffs, bearing NW. and SE., facing SW.
Continue line and measurement by chaining.
Ascend 250 ft., over steep SW. slope.
79.00 Descend 11 ft., over W. slope, to
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for cor. of secs. 1, 6, 7 and 12, marked on brass cap,



1922 from which,
A pinyon, 15 ins. diam., brs. N. 15° E., 43 lks. dist., marked T32N R14W S6 BT.
A pinyon, 6 ins. in diam., brs. S. 30 1/4° E., 48 lks. dist., marked T32N R14W S7 BT.

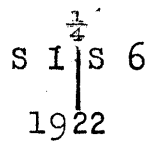
12 Survey of West boundary of Township 32 North, Range 14 West.

Chains.

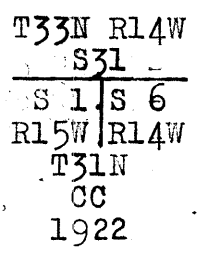
No other bearing tree available,
Land, mountainous.
Soil, rocky, 4th rate.
Timber, cedar.
Undergrowth, black brush, cactus and Spanish bayonet.

North, on a true line, bet. secs.1 and 6.
Over mountainous land, thru. scattering undergrowth.
Descend 116 ft., over NW.slope.

- 4.00 Wash, 30 lks.wide in gulch, course NW.
Ascend 125 ft., over SW slope.
- 10.00 Descend 155 ft., over NW slope.
- 17.00 Wash, 30 lks.wide, in gulch, course W.
Ascend 50 ft., over S.slope.
- 26.60 Spur, slopes W.
Descend 123 ft.
- 33.60 Wash, 30 lks.wide, in gulch, course W.
Ascend 25 ft., over S.slope, to
- 40.00 Set an iron post, 3 ft.long, 1 in. in diam., 16 ins. in
the ground to bed rock, deposit a stone, marked with
a cross (x) at base of post, and raise a mound of stone
around post, for $\frac{1}{4}$ sec.cor., marked on brass cap,



- No bearing trees available.
Ascend 50 ft., over S.slope.
- 50.00 Spur, slopes W.
Descend 265 ft., over NW.slope.
- 62.10 Wash, 20 lks.wide, in gulch, course W.
Ascend 225 ft., over SW.slope.
- 73.30 Spur, slopes NW.
Descend 160 ft., over NW.slope.
- 80.00 Intersect the 8th Standard Parallel N., 11.18 chs. W. of
true point for std. $\frac{1}{4}$ sec.cor. of sec.31, T.33 N., R.14 W.,
witnessed at 4.10 chs. W. as described in Book "E."
At point of intersection, set an iron post, 3 ft.long, 3
ins. in diam., 14 ins. in the ground to bed rock, deposit
a stone, marked with a cross (x) at base of post, and
raise a mound of stone around post, for closing cor. of
Ts. 32 N., Rs. 14 and 15 W., marked on brass cap,



No bearing trees available.
Land, mountainous.
Soil, rocky, 4th rate.
Timber, none.
Undergrowth, black brush and cactus.

Boundaries of Township 32 North, Range 14 West.
 Latitudes, departures and closing errors.

Lines designated.	True course.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
South boundary,	West,	478.42				478.42
West boundary,	North,	480.00	480.00			
North boundary, (8th.Std.Par.N.)	East,	478.59			478.59	
East boundary,	South,	480.00		480.00		
Convergency,					.53	
<u>Totals.</u>			480.00	480.00	479.12	479.42
				480.00		479.12
<u>Error in latitude.</u>			0.00			
<u>Error in departure.</u>					0.30	

Survey of Subdivision lines of Township 32 North, Range 14 West.

Chains.

- From the cor. of secs. 1, 2, 35 and 36, on S. bdy. of Tp., herein before described,
N. $0^{\circ}1'W.$, bet. secs. 35 and 36.
Over mountainous land, thru. scattering timber and undergrowth.
- 6.00 Ascend slightly over SE. slope, to Wash, 10 lks. wide, course S. $20^{\circ}E.$
Ascend 170 ft., over S. slope.
- 25.00 Point of spur, slopes SE. Desc. 30 ft., over NE. slope.
- 31.40 Wash, 50 lks. wide, course SE. Asc. 128 ft., over S. slope, to
- 39.10 Point of spur, sloping S. Thence on top of spur.
Descend 7 ft. to
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground to bed rock, supported in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,
- S35 | S36
1922
- from which,
A cedar, 10 ins. in diam., brs. S. $65\frac{1}{2}^{\circ}E.$, 36 lks. dist., marked $\frac{1}{4}$ S 36 BT.
A pinyon, 12 ins. in diam., brs. N. $56^{\circ}W.$, 27 lks. dist., marked $\frac{1}{4}$ S 35 BT.
- 44.00 Ascend 12 ft., along top of spur, sloping S.
Leave top of spur, sloping S. from NW.
Descend 23 ft., over NE. slope..
- 49.60 Wash, 30 lks. wide, course SE.
- 80.00 Ascend 455 ft., over S. and SE. slopes, to
Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground, for cor. of secs. 25, 26, 35 and 36, marked on brass cap,
- T32N | R14W
S26 | S25
S35 | S36
1922
- from which,
A cedar, 14 ins. in diam., brs. N. $73\frac{1}{2}^{\circ}E.$, 12 lks. dist., marked T32N R14W S25 BT.
A pinyon, 24 ins. in diam., brs. S. $37^{\circ}E.$, 32 lks. dist., marked T32N R14W S36 BT.
A pinyon, 24 ins. in diam., brs. S. $27^{\circ}W.$, 162 lks. dist., marked T32N R14W S35 BT.
A pinyon, 24 ins. in diam., brs. N. $24^{\circ}W.$, 165 lks. dist., marked T32N R14W S26 BT.
- Land, mountainous.
Soil, rocky, 3rd and 4th rate.
Timber, cedar and pinyon.
Undergrowth, sagebrush, black brush, cactus and Spanish bayonet.
-
- 40.00 East, on a random line, bet. secs. 25 and 36.
Set temp. $\frac{1}{4}$ sec. cor.
- 79.94 Intersect the cor. of secs. 25, 30, 31 and 36, on E. bdy. of Tp., described in Book "C."
Thence,
West, on a true line, bet. secs. 25 and 36.
Over mountainous land, thru. scattering timber and dense undergrowth.
- 19.30 Ascend 50 ft., over NE. slope.
Saddle in ridge, bearing NE. and S.
Descend 145 ft., over NW. slope, to
- 27.40 East or left rim of canyon, brs. NW, and SE. Desc. 265 ft. over SW. slope, to
- 35.00 Wash, 20 lks. wide, in gulch, course NW.
Descend 165 ft., over NW. slope, to
- 39.97 Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the ground to bed rock, deposit a stone, marked with a cross (x) at base of post, and raise a mound of stone

Survey of Subdivision lines of Township 32 North, Range 14 West. 15

Chains.

around post, for 1/4 sec.cor., marked on brass cap,

1/4 S 25
S 36
1922

No bearing trees available.
Descend 310 ft., over NW.slope.
55.20 Wash, 150 lks.wide, in bottom of canyon, course S.
Ascend 240 ft., over SE.slope, to
79.94 The cor.of secs. 25, 26, 35 and 36.
Land, mountainous.
Soil, rocky, 4th rate.
Timber, pinyon and cedar.
Undergrowth, sagebrush and black brush.

N.0° 01'W., bet. secs. 25 and 26.
Over mountainous land in canyon, thru. scattering timber
and dense undergrowth.
Ascend 302 ft., over SE. slope, to
6.00 Spur, slopes SW. Leave canyon.
Ascend 140 ft., over W.slope.
17.50 Descend 95 ft., over NW. slope.
29.40 Ascend 165 ft., over SW. slope, to
40.00 Set an iron post, 3 ft.long, 1 in. in diam., 12 ins. in
the ground to bed rock, supported in a mound of stone,
for 1/4 sec.cor., marked on brass cap,

S26 | S25
1922

from which,
A cedar, 24 ins. in diam., brs.S. 74°E., 63 lks.
dist., marked 1/4 S 25 BT.
A cedar, 6 ins. in diam., brs.S. 151°W., 34 lks.
dist., marked 1/4 S 26 BT.
Ascend 20 ft., over W.slope, to
42.90 Draw, course SW.
Ascend 100 ft., over SE. slope.
55.00 Descend 97 ft., over NE.slope.
77.50 Draw, course E.
Ascend 20 ft., over SE. slope, to
80.00 Set an iron post; 3 ft. long, 2 ins. in diam., 8 ins. in
the ground, to bed rock, supported in a mound of stone
for cor.of secs. 23, 24, 25 and 26, marked on brass cap,

T32N | R14W
S23 | S24
S26 | S25
1922

from which,
A cedar, 14 ins., in diam., brs.N.63°E., 125 lks.
dist., marked T32N R14W S24 BT.
A cedar, 12 ins.in diam., brs.S.24°E., 81 lks.
dist., marked T32N R14W S25 BT.
A cedar, 8 ins. in diam., brs.S.161°W., 132 lks.
dist., marked T32N R14W S26 BT.
A cedar, 10 ins. in diam., brs.N.67°W., 51 lks.
dist., marked T32N R14W S23 BT.
Land, mountainous.
Soil, rocky, 4th rate.
Timber, cedar and pinyon.
Undergrowth, sagebrush, black brush and scrub oak.

16 Survey of Subdivision lines of Township 32 North Range 14 West.

Chains.	
	East, on a random line, bet. secs. 24 and 25.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.24	Intersect the cor. of secs. 19, 24, 25 and 30, on E. bdy. of Tp., described in Book "C."
	Thence,
	West, on a true line, bet. secs. 24 and 25.
	Over mountainous land, thru. scattering timber and dense undergrowth.
7.00	Ascend 40 ft., over E. slope.
	Ridge, brs. N. and S. Enter rolling land.
	Descend 34 ft., over W. slope, to
17.25	Head of draw, course NW.
	Descend 60 ft., over NW. slope, to
36.85	Draw, course NW. Asc. 19 ft., over NE. slope, to
40.12	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
	$\frac{1}{4}$ S 24
	S 25
	1922
	from which,
	A pinyon, 4 ins. in diam., brs. N. 26° E., 109 lks. dist., marked BT.
	A cedar, 6 ins. in diam., brs. S. 36° W., 94 lks. dist., marked $\frac{1}{4}$ S 25 BT.
	Ascend 18 ft., over NE. slope.
44.40	Ridge, brs. SE. and NW. Desc. 110 ft., over SW. & W. slopes, to
75.00	Enter mountainous land. Desc. 80 ft., over W. slope.
77.00	Wash, 10 lks. wide, in gulch, course N.
	Ascend 93 ft., over E. slope, to
80.24	The cor. of secs. 23, 24, 25 and 26.
	Land, mountainous and rolling.
	Soil, rocky, 4th rate.
	Timber, cedar and pinyon.
	Undergrowth, sagebrush, black brush and cactus.

	N. 0° 01' W., bet. secs. 23 and 24.
	Over mountainous land, thru. scattering timber and undergrowth.
	Descend 222 ft., over NE. slope, to
15.80	Wash, 10 lks. wide, in bottom of canyon (Head of Snap Canyon), course NW.
21.00	Descend 220 ft., over W. slope.
38.30	Same wash, 20 lks. wide, course NE. in bottom of Snap Canyon.
	Ascend slightly over E. slope, to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground, to bed rock, supported in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,
	$\frac{1}{4}$
	S 23 S 24
	1922
	from which,
	A pinyon, 6 ins. in diam., brs. N. 67° E., 50 lks. dist., marked $\frac{1}{4}$ S 24 BT.
	A pinyon, 14 ins. in diam., brs. S. 21° E., 36 lks. dist., marked $\frac{1}{4}$ S 23 BT.
	Descend 10 ft., over E. slope.
40.70	Same wash, course N. 30° W. in bottom of Snap Canyon.
	Ascend 74 ft., over SW. slope.
45.55	Descend 147 ft., over NW. slope.
52.60	Same wash, course NE. in bottom of Snap Canyon.
	Ascend 286 ft., over SE. slope.
66.00	Spur, slopes NE. Desc. 253 ft., over NW. slope.
74.00	Wash, 10 lks. wide, course NE. Asc. 12 ft. over SE. slope.
76.40	Trail, brs. NE. and SW. Desc. 15 ft., over NE. slope, to
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 20 ins. in the ground to bed rock, supported in a mound of stone,

BOOK 1000

Survey of Subdivision lines of Township 32 North, Range 14 West. 17

Chains.	<p>for cor. of secs. 13, 14, 23 and 24, marked on brass cap,</p> <table style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <td style="border-right: 1px solid black; padding: 2px;">T32N</td> <td style="padding: 2px;">R14W</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 2px;">S14</td> <td style="padding: 2px;">S13</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 2px;">S23</td> <td style="padding: 2px;">S24</td> </tr> <tr> <td colspan="2" style="text-align: center; padding: 2px;">1922</td> </tr> </table> <p>from which, A pinyon, 4 ins. in diam., brs. S. 74$\frac{1}{2}$° E., 39 lks. dist., marked BT. No other bearing trees available. A limestone ledge; 2 ft. above ground, brs. S. 63$\frac{1}{2}$° W., 10 lks. dist., marked cross (x) and B0. above cross. Land, mountainous. Soil, rocky, 4th rate. Timber, cedar and pinyon. Undergrowth, black brush, sagebrush and cactus.</p> <hr style="border-top: 1px dashed black;"/> <p>East, on a random line, bet. secs. 13 and 24. 40.00 Set temp. $\frac{1}{4}$ sec. cor. 80.08 Fall 23 lks. N. of the cor. of secs. 13, 18, 19 and 24, on E. bdy. of the Tp., described in Book "C." Thence, N. 89° 50' W., on a true line, bet. secs. 13 and 24. Over mountainous land, thru. scattering timber and dense undergrowth. Desc. 65 ft., over SW. slope. 7.28 Trail, brs. SE. and NW. 7.55 Gulch, 5 lks. wide, course NW. from S. 80° E. Ascend 292 ft., over NE. slope. 21.75 Spur, slopes NW. Desc. 382 ft., over SW. slope. 34.15 Gulch, 10 lks. wide, course NW. Ascend 87 ft., over NE. slope, to 40.04 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,</p> <table style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <td style="padding: 2px;">$\frac{1}{4}$ S</td> <td style="padding: 2px;">13</td> </tr> <tr> <td style="padding: 2px;">S</td> <td style="padding: 2px;">24</td> </tr> <tr> <td colspan="2" style="text-align: center; padding: 2px;">1922</td> </tr> </table> <p>No bearing trees available. Raise a mound of stone, 3 ft. base, 2$\frac{1}{2}$ ft. high, N. of cor. Ascend 213 ft., over NE. slope. 48.25 Spur, slopes NW. Desc. 655 ft., over W. slope. 68.00 Wash, 50 lks. wide, course N. in bottom of Snap Canyon. Ascend 135 ft., over SE. slope. 76.50 Point of spur, slopes SE. Desc. 28 ft. 77.85 Gulch, 20 lks. wide, course SE. Ascend 50 ft., over NE. slope, to 80.08 The cor. of secs. 13, 14, 23 and 24. Land, mountainous. Soil, rocky, 4th rate. Timber, juniper, cedar and pinyon. Undergrowth, manzanita, scrub oak and black brush.</p> <hr style="border-top: 1px dashed black;"/> <p>N. 0° 01' W., bet. secs. 13 and 14. Over mountainous land, thru. scattering timber and dense undergrowth. Descend 20 ft. 1.07 Gulch, 10 lks. wide, course SE. Ascend 255 ft., over SW. slope. 9.90 Spur, slopes SE. Desc. 333 ft., over NE. slope. 17.85 Gulch, 20 lks. wide, course SE. Asc. 113 ft., over S. slope, to 19.70 Top of cliff, 20 ft. high, brs. E. and W. facing S. Ascend 221 ft., over S. slope. 24.66 Spur, slopes SE. Desc. 355 ft., over NE. slope. 36.60 Bottom of gulch, 20 lks. wide, course E. Ascend 151 ft., over steep S. slope, to 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>	T32N	R14W	S14	S13	S23	S24	1922		$\frac{1}{4}$ S	13	S	24	1922	
T32N	R14W														
S14	S13														
S23	S24														
1922															
$\frac{1}{4}$ S	13														
S	24														
1922															

18 Survey of Subdivision lines of Township 32 North, Range 14 West.

Chains.

S14 | S13
1922

No bearing trees available. Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
Ascend 250 ft., over cliffs, bearing E. and W. facing S.
44.55 Spur, slopes E. Desc. 93 ft., over NE. slope.
54.20 Ascend, 74 ft., over SE. slope.
55.90 Point of spur, slopes E.
Descend 880 ft., over broken NE. slope to sec. cor.
62.00 Water trough at Snap Spring, brs. E. and about 15 chs.
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 8 ins. in the ground to bed rock, supported in a mound of stone for cor. of secs. 11, 12, 13 and 14, marked on brass cap,

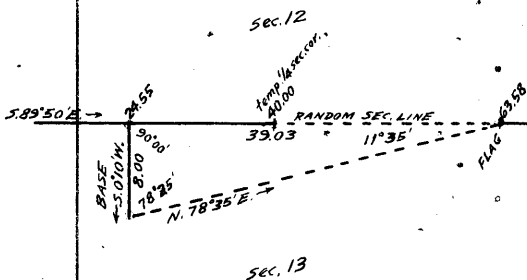
T32N | R14W
S11 | S12
S14 | S13
1922

from which,

- A cedar, 14 ins. in diam., brs. N. 20 $\frac{1}{2}$ ° E., 146 lks. dist., T32N R14W S12 BT.
- A cedar, 4 ins. in diam., brs. S. 88 $\frac{1}{2}$ ° E., 103 lks. dist., marked BT.
- A cedar, 4 ins. in diam., brs. S. 5° W., 136 lks. dist., marked BT.
- A cedar, 4 ins. in diam., bears N. 47° W., 85 lks. dist., marked BT.

Land, mountainous.
Soil, rocky, 4th rate.
Timber, cedar and pinyon.
Undergrowth, sagebrush, black brush and cactus.

24.55 S. 89° 50' E., on a random line, bet. secs. 12 and 13.
40.00 Triangulation point. Continue chaining to
Set temp. $\frac{1}{4}$ sec. cor.
Precipitous ascent and cliffs E. of this point prevent further chaining; therefore, triangulate as follows:



From 24.55 ch. station, measure a Base, S. 0° 10' W., 8.00 chs. A longer Base is impracticable. Set flag ahead on random line beyond the top of the cliffs. From S. end of Base, the flag brs. N. 78° 35' E. Dist. on random sec. line, = 24.55 chs. Dist. triangulated = 39.03 chs. Total distance, = 63.58 chs.

63.58 Triangulation point. Continue line and measurement by chaining.
80.24 Intersect the cor. of secs. 7, 12, 13 and 18, on E. bdy. of Tp., described in Book "C."
Thence,
N. 89° 50' W., on a true line, bet. secs. 12 and 13.
Over mountainous land, thru. scattering timber and dense undergrowth. Asc. 230 ft. over SE. slope, of spur.
11.00 Ridge, brs. SE. and NW. From this point, spur slopes N. 85° E.
Descend 51 ft., over SW. slope, to
16.66 Triangulation point. Discontinue chaining. Measurement by triangulation, as hereinbefore described.
Descend about 800 ft. to $\frac{1}{4}$ sec. cor.
22.00 (Approx.) Top of limestone cliffs, 300 ft. high, bearing SE. and NW. facing SW. Enter Snap Canyon.
30.00 (Approx.) Foot of cliffs, brs. NW. and SE.
40.12 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

COCK

Survey of Subdivision lines of Township 32 North, Range 14 West. 19

Chains.

$\frac{1}{4}$ S 12
 S 13
 1922

No bearing trees available. Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Descend 250 ft., over W. slope.

55.70 Corral, brs. S. 25° W., about 12 chs.

63.00 Wash, 30 lks. wide, course N. in bottom of Snap Canyon. Thence, over rolling land. Asc. 70 ft., over NE. and N. slopes.

67.00 Road to Snap Spring, brs. SE. and NW.

78.75 Descend 30 ft. to

80.24 The cor. of secs. 11, 12, 13 and 14. Land, mountainous and rolling. Soil, rocky, 4th rate. Timber, cedar and pinyon. Undergrowth, sagebrush, black brush and cactus.

N. $0^{\circ} 01'$ W., bet. secs. 11 and 12. Over rolling land, in Snap Canyon, thru. very scattering timber and dense undergrowth. Descend 190 ft., over NW. slope to $\frac{1}{4}$ sec. cor.

26.70 Road, to Snap Spring, brs. SE. and NW.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in the ground, to bed rock, deposit a stone, marked with a cross (x) at base of post, and raise a mound of stone around post, for $\frac{1}{4}$ sec. cor., marked on brass cap,

S11 | S12
 1922

No bearing trees available. Descend slightly to

40.50 Wash, 20 lks. wide, course NW. Desc. 35 ft. over NW. slope, to

51.40 Wash, 40 lks. wide, course NW. in bottom of Snap Canyon. Descend 67 ft., over W. and NW. slopes.

66.90 Dim road, brs. E. and W.

70.50 Wash, 20 lks. wide, course W. into bottom of Snap Canyon. Ascend 80 ft., over SW. slope, to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in the ground, to bed rock, deposit a stone, marked with a cross (x) at base of post, and raise a mound of stone around post, for cor. of secs. 1, 2, 11 and 12, marked on brass cap,

T32N | R14W
 S 2 | S 1
 S11 | S12
 1922

from which,

A pinyon, 8 ins. in diam., brs. S. 58° E., 32 lks. dist., marked T32N R14W S12 BT.

A pinyon, 10 ins. in diam., brs. S. 33° W., 68 lks. dist., marked T32N R14W S11 BT.

No other bearing trees available.
 Land, rolling. Soil, rocky, 3rd and 4th rate.
 Timber, cedar and pinyon.
 Undergrowth, black brush, sagebrush and cactus.

S. $89^{\circ} 50'$ E., on a random line, bet. secs. 1 and 12.

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

80.20 Fall 2 lks. S. of the cor. of secs. 1, 6, 7 and 12, on E. bdy. of Tp., described in Book "C."
 Thence,
 N. $89^{\circ} 51'$ W., on a true line, bet. secs. 1 and 12.
 Over mountainous land, thru. scattering timber and undergrowth.

20 Survey of Subdivision lines of Township 32 North, Range 14 West.

Chains.

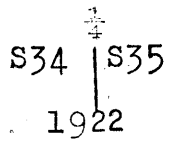
- 20.60 Descend 660 ft., over NW. slope, to Wash, 30 lks. wide, course NW.
- 36.30 Descend 150 ft., over NW. slope, to Wash, 30 lks. wide, course NW. Asc. 55 ft., over NE. slope, to
- 40.10 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bed rock, supported in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,
- S 1
S 12
1922
- from which,
A pinyon, 12 ins. in diam., brs. N. $11\frac{1}{2}^{\circ}$ W., 44 lks. dist., marked $\frac{1}{4}$ S 1 BT.
A pinyon, 10 ins. in diam., brs. S. 73° E., 90 lks. dist., marked $\frac{1}{4}$ S 12 BT.
- 50.00 Ascend 230 ft., over NE. slope.
Ridge, brs. SE and NW. Desc. 270 ft., over SW. slope.
- 62.20 Draw, 10 lks. wide, course NW. Asc. 110 ft., over NE. slope.
- 72.25 Spur slopes NW. Desc. 133 ft., over SW. slope, to
- 80.20 The cor. of secs. 1, 2, 11 and 12.
Land, mountainous.
Soil, rocky, 4th rate.
Timber, pinyon and cedar.
Undergrowth, black brush, sagebrush and cactus.
-
- N. 0° 01' W., on a true line, bet. secs. 1 and 2.
Over mountainous land, thru. scattering timber and dense undergrowth. Asc. 42 ft., over SW. slope.
- 3.65 Point of spur, slopes NW. Desc. 160 ft., over N. slope.
- 14.60 Draw, 10 lks. wide, course W. Asc. 155 ft., over SW. slope.
- 23.75 Sandstone ridge, brs. SE. and NW. Desc. 245 ft., over NE. slope, to
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 4 ins. in the ground, to bed rock, supported in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,
- S 2 | S 1
1922
- from which,
A pinyon, 16 ins. in diam., brs. N. 82° E., 64 lks. dist., marked $\frac{1}{4}$ S 1 BT.
A pinyon, 10 ins. in diam., brs. S. 2° W., 105 lks. dist., marked $\frac{1}{4}$ S 2 BT.
- 47.60 Descend 47 ft. over NE. slope.
Draw, 15 lks. wide, course NW. Asc. 64 ft., over SW. slope.
- 60.00 Point of spur, slopes NW.
- 79.80 Descend 94 ft., over NW. and W. slopes, to
Intersect the 8th. Standard Parallel North, 12.85 chs. West of the standard $\frac{1}{4}$ sec. cor. of sec. 36, T. 33 N., R. 14 W., which is described in Book "E."
- At point of intersection, set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for closing cor. of secs. 1 and 2, marked on brass cap,
- T33N R14W
S 36
S 2 | S 1
T32N R14W
C C
1922
- from which,
A pinyon, 10 ins. in diam., brs. S. 6° E., 303 lks. dist., marked T32N R14W S1 CC BT.
A pinyon, 12 ins. in diam., brs. S. 42° W., 360 lks. dist., marked T32N R14W S2 CCBT.
- Land, mountainous.
Soil, gravelly, 2nd rate.
Timber, pinyon. Undergrowth, black brush, sagebrush & yucca.

BOOK

Survey of Subdivision lines of Township 32 North, Range 14 West. 21

Chains.

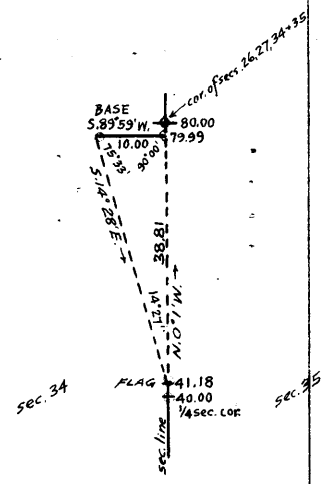
From the cor. of secs. 2, 3, 34 and 35, on S. bdy. of Tp.,
 hereinbefore described,
 N. 0° 1' W., bet. secs. 34 and 35.
 Over mountainous land, thru. dense timber and undergrowth.
 Ascend 95 ft., over SW. slope.
 7.50 Spur, slopes SE. Desc. 76 ft., over NE. slope.
 12.20 Bottom of gulch, 5 lks. wide, course SE. near head.
 Ascend 91 ft., over SW. slope.
 18.55 Ridge, brs. SE and NW., and head of gulch, course NE.
 Descend 125 ft., over NE. slope, to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,



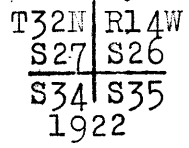
from which,
 A cedar, 6 ins. in diam., brs. S. 85° E., 13 lks.
 dist., marked S 35 BT.
 A cedar, 14 ins. in diam., brs. S. 57° W., 48 lks.
 dist., marked S 34 BT.

Descend 10 ft., over NE. slope, to
 41.18 Top of precipitous cliffs, bearing NW. and SE., facing NE.
 Discontinue chaining and triangulate as follows:

Set flag at this point.
 From a point ahead on sec. line, meas-
 ure a Base S. 89° 59' W., 10.00
 chs.
 Vertical angle from flag to E.
 end of Base is - 16°.
 From West end of Base, the flag
 brs. S. 14° 28' E.



Dist. on sec. line = 41.18 chs.
 Dist. triangulated = 38.81 chs.
 Total distance, = 79.99 chs.
 62.50 (Approximate) bottom of gulch, 20 lks. wide,
 course NW. Asc. over W. slope, to
 79.99 Triangulation point 745 ft. below $\frac{1}{4}$ Sec. cor. Continue line
 and measurement by chaining.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in
 the ground, for cor. of secs. 26, 27, 34 and 35, marked
 on brass cap,

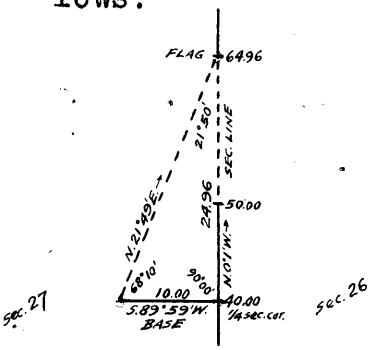


from which,
 A pinyon, 8 ins. in diam., brs. S. 39° E., 250
 lks. dist., marked T32N R14W S35 BT.
 No other bearing trees available. Raise a mound of stone
 2 ft. base, 1 1/2 ft. high, W. of cor.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, cedar and pinyon.
 Undergrowth, black brush, manzanita and scrub oak.

 East, on a random line, bet. secs. 26 and 35.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.34 Fall 17 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 mountainous land, thru. scattering timber and under-
 growth. Desc. 175 ft., over SW. slope.
 12.00 Wash, 60 lks. wide, in gulch, course S. 20° E. Asc. 30 ft.
 15.50 Point of spur, slopes S. Desc. 25 ft.
 17.00 Wash, 20 lks. wide, in gulch, course SE.

22 Survey of Subdivision lines of Township 32 North Range 14 West.

Chains.	Ascend 550 ft., over steep broken E. slope, to Top of cliffs, brs. NW. and SW. Asc. slightly to Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bed rock, supported in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,
39.60	
40.17	
	$\frac{1}{4}$ S 26 S 35 1922
	from which, A pinyon, 12 ins. in diam., brs. N. $83\frac{3}{4}^{\circ}$ W., 63 lks. dist., marked $\frac{1}{4}$ S 26 BT. A cedar, 28 ins. in diam., brs. S. 19° W., 113 lks. dist., marked $\frac{1}{4}$ S 35 BT.
46.20	Ascend 96 ft., over NE. slope.
52.70	Descend 75 ft., over NW. slope.
56.50	Draw, course N. Ascend 56 ft., over E. slope, to Top of cliff, bearing N. and S., facing W.
80.34	Descend 850 ft., over steep broken W. slope, to The cor. of secs. 26, 27, 34 and 35. Land, mountainous. Soil, rocky, 4th rate. Timber, pinyon and cedar. Undergrowth, sagebrush, and black brush.

	N. $0^{\circ} 1' W.$, bet. secs. 26 and 27. Over mountainous land, thru. scattering timber and under- growth. Desc. 80 ft., over W. and NW. slopes.
9.00	Gulch, course W. Asc. 60 ft., over S. slope.
19.50	Spur, slopes W. Desc. 55 ft., over N. slope.
29.00	Gulch, course W. Asc. 30 ft., over SW. slope, to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
	$\frac{1}{4}$ S 27 S 26 1922
	from which, A pinyon, 10 ins. in diam., brs. S. $54^{\circ} E.$, 282 lks. dist., marked $\frac{1}{4}$ S 26 BT. No other bearing trees available. Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Descend 40 ft., over NW. slope.
50.00	Gulch, course SW. Asc. over precipitous broken S. slope. Chaining is impracticable; therefore, triangulate as fol- lows:
	
	Set flag ahead on sec. line, at top of cliff. From $\frac{1}{4}$ sec. cor., measure a Base, S. $89^{\circ} 59' W.$, 10.00 chs. From West end of Base, the flag brs. N. $21^{\circ} 49' E.$
	Dist. on sec. line = 40.00 chs. Dist. triangulated = 24.96 chs. Total distance, = 64.96 chs.
62.00	(Approx.) Foot of cliff, brs. E. and W. Ascend over cliff.
64.96	Triangulation point at top of cliff, 200 ft. high, bearing NW. and SE. facing S. Continue line and measurement by chaining.
80.00	Ascend 150 ft., over S. slope, to Ridge, brs. NE. and SW. Set an iron post, 3 ft. long, 2 ins. dia., 12 ins. in ground to bed rock, supported in a mound of stone, for cor. of secs. 22, 23, 26 and 27, marked on brass cap,

Survey of Subdivision lines of Township 32 North, Range 14 West. 23

Chains.

T23N | R14W
 S22 | S23
 S27 | S26
 1922

from which,

- A cedar, 12 ins. in diam., brs. N. 48° E., 39 lks. dist., marked T32N R14WS23BT.
- A cedar, 6 ins. in diam., brs. S. 18½° E., 162 lks. dist., marked T32N R14W S26BT.
- A cedar, 4 ins. in diam., brs. S. 37° W., 192 lks. dist., marked BT.
- A cedar, 8 ins. in diam., brs. N. 63½° W., 130 lks. dist., marked T32N R14W S22 BT.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, cedar, juniper, and pinyon.

Undergrowth, yucca, sagebrush, black brush and cactus.

- 40.00 S. 89° 53' E., on a random line, bet. secs. 23 and 26.
- 80.34 Set temp. ¼ sec. cor.
- Fall 14 lks. N. of the cor. of secs. 23, 24, 25 and 26.
- Thence,
- N. 89° 47' W., on a true line, bet. secs. 23 and 26.
- Over mountainous land, thru. dense timber and undergrowth.
- Ascend 62 ft., over NE. slope.
- 18.00 Descend 45 ft., over W. slope.
- 21.50 Gulch, course N.
- 40.17 Ascend 157 ft., over NE. slope, to
- Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to bed rock, supported in a mound of stone, 4 ft. base, 2½ ft. high, for ¼ sec. cor., marked on brass cap,

¼ S 23
 S 26
 1922

from which,

- A pinyon, 8 ins. in diam., brs. S. 12¾° W., 77 lks. dist., marked ¼ S26 BT.
- A pinyon, 10 ins. in diam., brs. S. 49¼° W., 14 lks. dist., marked ¼ S 26 BT.
- Ascend 40 ft., over N. slope, to
- 48.00 Draw, course N. Ascend 35 ft., over NE. slope.
- 55.00 Descend 29 ft., over NW. slope.
- 59.65 Head of gulch, course NE. Asc. 54 ft., over SE. slope.
- 75.00 Descend 48 ft., over S. slope, to
- 80.34 The cor. of secs. 22, 23, 26 and 27, on ridge bearing NE. and SW.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, cedar and pinyon.

Undergrowth, sagebrush and black brush.

- 12.44 N. 0° 1' W., bet. secs. 22 and 23.
- 15.90 Over mountainous land, thru. dense timber and undergrowth.
- 26.75 Descend 107 ft., over NW. slope.
- Gulch, course N. 50° W. Asc. 25 ft., over SW. slope.
- Spur, slopes NW. Desc. 100 ft., over NE. slope.
- Ascend 170 ft., over SE. slope, to
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for ¼ sec. cor., marked on brass cap,

¼
 S22 | S23
 1922

24 Survey of Subdivision lines of Township 32 North, Range 14 West.

Chains.

- No bearing trees available. Asc. slightly to Spur, slopes SW. Desc. 75 ft., over NW. slope.
 40.10
 58.45 Bottom of gulch, 5 lks. wide, course SW. Ascend 40 ft., over S. slope.
 64.50 Ridge, brs. E. and W. Desc. 277 ft.
 Over steep NE. slope, to
 75.85 Bottom of gulch, 5 lks. wide, course NW. Desc. 25 ft., over W. slope, to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 8 ins. in the ground to bed rock, supported in a mound of stone, for cor. of secs. 14, 15, 22 and 23, marked on brass cap,

T32N	R14W
S15	S14
S22	S23
1922	

from which,

A pinyon, 4 ins. in diam., brs. N. 57° E., 64 lks. dist., marked BT.

A pinyon, 4 ins. in diam., brs. S. 41° E., 36 lks. dist., marked BT.

No other bearing trees available. Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, cedar, juniper and pinyon.

Undergrowth, black brush, yucca and cactus.

- S. 89° 47' E., on a random line, bet. secs. 14 and 23.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.36 Fall 26 lks. S. of the cor. of secs. 13, 14, 23 and 24.
 Thence,
 N. 89° 58' W., on a true line, bet. secs. 14 and 23.
 Over mountainous land, thru. dense timber and undergrowth.
 Ascend 240 ft., over NE. slope, to
 15.56 Wash, 10 lks. wide in gulch, course N. 80° E.
 Ascend 450 ft., over SE. slope, to
 40.18 East rim of mesa, brs. NE. and SW. Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to bed rock, supported in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 14
S. 23
1922

from which,

A pinyon, 4 ins. in diam., brs. N. 36° W., 65 lks. dist., marked BT.

A pinyon, 6 ins. in diam., brs. S. 2° E., 12 lks. dist., marked $\frac{1}{4}$ S 23 BT.

Thence, over level land on mesa, bearing N. and S.

- 62.00 West rim of mesa, brs. NW. and SE. Leave mesa; enter mountainous land. Desc. 200 ft., over SW. slope.

- 69.85 Bottom of gulch, 10 lks. wide, course NW. Ascend 52 ft., over NE. slope.
 75.00 Spur, slopes NW. Desc. 200 ft., over SW. and W. slopes, to
 80.36 The cor. of secs. 14, 15, 22 and 23.

Land, mountainous and level.

Soil, rocky, 3rd and 4th rate.

Timber, cedar and pinyon.

Undergrowth, sage brush, scrub oak, cactus and black brush.

- N. 0° 1' W., bet. secs. 14 and 15.
 Over mountainous land, thru. dense timber and undergrowth.
 Ascend 45 ft., over SW. slope.
 6.50 Spur, slopes NW. and top of cliff, 40 ft. high, brs. SE. and

Survey of the Subdivision Lines of Township 32 North, Range 14 West, 25

Chains.

NW., facing NE.
 15.70 Descend 370 ft., over NE. slope, to
 40.00 Gulch, course NW. Desc. 250 ft., over W. and NW. slopes, to
 Draw, 10 lks. wide, course NE. Set an iron post, 3 ft. long,
 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor.,
 marked on brass cap,

S15	S14
-----	-----

1922

No bearing trees available. Raise a mound of stone, 3 ft.
 base, 2 ft. high, W. of cor.
 44.50 Descend 12 ft., over NE. slope, to
 Draw, 25 lks. wide, course NE.
 45.00 Ascend slightly over SE. slope, to
 Point of spur, slopes NE.
 69.50 Descend 130 ft. over NE. and E. slopes, to
 Draw, 30 lks. wide, course E. Asc. 64 ft., over S. slope.
 73.10 Point of spur, slopes SE. Asc. 23 ft. over E. slope.
 77.90 Head of draw, course SE. Asc. 37 ft., over SE. slope, to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in
 the ground, for cor. of secs. 10, 11, 14 and 15, marked
 on brass cap,

T32N	R14W
S10	S11

S15	S14
-----	-----

1922

from which,
 A cedar, 15 ins. in diam., brs. N. 2° E., 41 lks.
 dist., marked T32N R14W S11 BT.
 A cedar, 16 ins. in diam., brs. S. 82 $\frac{1}{2}$ ° E., 134 lks.
 dist., marked T32N R14W S14 BT.
 A cedar, 6 ins. in diam., brs. S. 22° W., 46 lks.
 dist., marked T32N R14W S15 BT.
 A cedar, 8 ins. in diam., brs. N. 64° W., 54 lks.
 dist., marked T32N R14W S10 BT.

Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, cedar and pinyon.
 Undergrowth, sagebrush, black brush and cactus.

40.00 S. 89° 58' E., on a random line, bet. secs. 11 and 14.
 80.30 Set temp. $\frac{1}{4}$ sec. cor.
 Fall 14 lks. S. of the cor. of secs. 11, 12, 13 and 14.
 Thence,
 S. 89° 56' W., on a true line, bet. secs. 11 and 14.
 Over mountainous land, thru. scattering timber and dense
 undergrowth.

12.50 Ascend 48 ft., over NE. slope.
 40.00 Descend 70 ft., over N. and NW. slopes, to
 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in
 the ground to bed rock, deposit a stone, marked with
 a cross (x) at base of post, and raise a mound of
 stone around post, for witness cor. to the $\frac{1}{4}$ sec. cor.,
 marked on brass cap,

WC	S 11
	S 14

1922

No bearing trees available.
 40.15 True point for $\frac{1}{4}$ sec. cor., falls in wash, 15 lks. wide,
 course NE., where it would be unsafe to set monument;
 therefore, at 15 lks. N. 89° 56' E., establish witness
 cor. as described above.

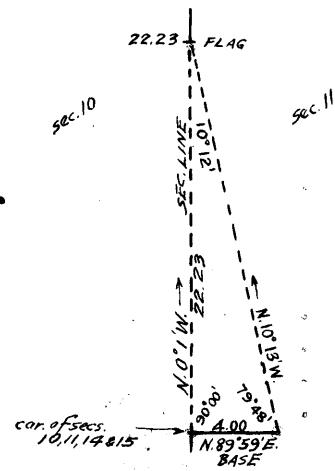
64.50 Ascend 394 ft., over SE. slope to sec. cor.
 80.30 Wash, course SE.
 The cor. of secs. 10, 11, 14 and 15.
 Land, mountainous.

26 Survey of Subdivision lines of Township 32 North, Range 14 West.

Chains.

Soil, gravelly, 3rd rate.
 Timber, pinyon and juniper.
 Undergrowth, black brush, yucca and sagebrush.

N.0° 1'W., bet. secs.10 and 11.
 Over mountainous land, thru scattering timber and dense undergrowth. Ascend S. slope.
 Precipitous slopes render chaining impracticable; therefore, triangulate as follows:



From cor. of secs. 10, 11, 14 and 15, measure a Base N.89°59'E., 4.00 chs. A longer Base is impracticable.

Set flag ahead on sec. line.
 Vertical angle from sec. cor. to flag is +27°.
 From E. end of Base, the flag brs. N.10°13'W.

Dist. triangulated = 22.23 chs.
 (Approx.) Spur, slopes SE.

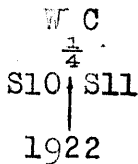
Descend NE. slope.
 (Approx.) Wash, course SE. Asc. over SW. slope, to
 (Approx.) Foot of cliff, brs. NW. and SE.

Ascend over face of cliff.
 22.23 Triangulation point at top of cliff, 200 ft. high, bearing SE. and NW. facing SW. 745 ft. above cor. of secs. 10, 11, 14 and 15.

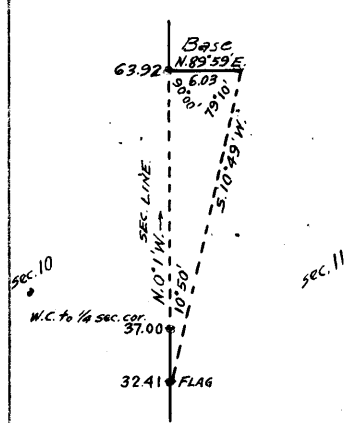
Ascend 240 ft., over SW. slope.
 32.41 Ridge, brs. E. and W., and top of cliff, same bearing, facing N., 150 ft. high.

Set flag at this point for triangulation, hereinafter described. Continue line and measurement by chaining.

Descend 225 ft., to
 37.00 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to bed rock, deposit a stone, marked with a cross (x) at base of post, and raise a mound of stone around post, for witness cor. to the 1/4 sec. cor., marked on brass cap,



No bearing trees available. Beyond this witness cor., a series of cliffs bearing E. and W. facing N. render chaining impracticable; therefore, triangulate as follows:



From a point ahead on sec. line at foot of cliffs measure a Base, N.89°59'E., 6.03 chs.

It is impracticable to chain a longer base.

From W. end of base, the vertical angle to flag at 32.41 ch. station on sec. line is +24°.

From E. end of base, the flag brs. S.10°49'W.

Dist. on sec. line = 32.41 chs.
 Dist. triangulated = 31.51 chs.

Total distance, = 63.92 chs.

40.00 True point for 1/4 sec. cor. falls on face of cliff, and is inaccessible.

63.92 Triangulation point at foot of cliffs, bearing E. and W., 700 ft. below witness cor. to 1/4 sec. cor.
 Continue line and measurement by chaining.
 Descend 304 ft., over N. and NW. slopes, to

APR 1922

Survey of Subdivision lines of Township 32 North, Range 14 West. 27

Chains.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in the ground to bed rock, supported in a mound of stone for cor. of secs. 2, 3, 10 and 11, marked on brass cap,

T32N R14W
S 3 S 2
S10 S11
1922

from which,
A pinyon, 10 ins. in diam., brs. N. 17° E., 22 lks. dist., marked T32N R14W S2 BT.
A pinyon, 4 ins. in diam., brs. S. 86° E., 29 lks. dist., marked BT.
A pinyon, 6 ins. in diam., brs. S. 3° W., 39 lks. dist., marked T32N R14W S10 BT.
A pinyon, 8 ins. in diam., brs. N. 8° W., 35 lks. dist., marked T32N R14W S3 BT.

Land, mountainous.
Soil, rocky, 4th rate.
Timber, cedar, pinyon and juniper.
Undergrowth, black brush, willow and sagebrush.

40.00 N. 89° 56' E., on a random line, bet. secs. 2 and 11. Set temp. 1/4 sec. cor.
80.38 Fall 2 lks. S. of the cor. of secs. 1, 2, 11 and 12. Thence, S. 89° 55' W., on a true line, bet. secs. 2 and 11. Over mountainous land, in Snap Canyon, thru. scattering timber and dense undergrowth.
13.00 Descend 140 ft., over SW. slope, to Wash, 30 lks. wide, course N. 20° W. Thence over rolling land.
24.25 Descend 50 ft., over NW. slope, to Wash, 50 lks. wide, in bottom of Snap Canyon, course N. for 5 chs., thence NW. Asc. 75 ft. over NE. & N. slopes to 1/4 sec. cor.
25.70 Road brs. S. 30° E. and N. 30° W.
36.25 Wash, 10 lks. wide, course N.
40.19 Set an iron post, 3 ft. long, 1 in. in diam., 16 ins. in the ground to bed rock, deposit a stone, marked with a cross (x) at base of post, and raise a mound of stone around post for 1/4 sec. cor., marked on brass cap,

1/4 S 2
S 11
1922

from which,
A pinyon, 8 ins. in diam., brs. S. 58° W., 300 lks. dist., marked 1/4 S 11 BT.
No other bearing trees available.

Enter mountainous land.
45.40 Descend 60 ft., over W. slope. Gulch, 20 lks. wide, course N. Ascend 190 ft., over E. slope.
60.00 Spur, slopes NE. Desc. 26 ft., over NW. slope.
66.20 Gulch, 60 lks. wide, course NE. Asc. 110 ft. over SE. slope.
70.00 Spur, slopes NE. Desc. 66 ft., over NW. slope, to
80.38 The cor. of secs. 2, 3, 10 and 11. Land, mountainous and rolling. Soil, rocky, 3rd and 4th rates. Timber, cedar and pinyon. Undergrowth, sagebrush, black brush and cactus.

1.00 N. 0° 1' W., on a true line, bet. secs. 2 and 3. Over mountainous land, thru. dense timber and undergrowth. Descend 17 ft., over NW slope to Enter gulch, course N. from SW. Descend 175 ft. along bottom of gulch, to

28 Survey of Subdivision lines of Township 32 North Range 14 West.

Chains.	
21.20	Leave gulch, course NW. from S. Asc. slightly over W. slope, to
25.60	Top of spur, slopes N. from SE. Descend 90 ft., along top of spur, to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground, to bed rock, supported in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\begin{array}{c} \frac{1}{4} \\ S \ 3 \ \ S \ 2 \\ 1922 \end{array}$
	from which, A cedar limb, 4 ins. in diam., brs. S. 35° E., 7 lks. dist., marked BT. A cedar, 8 ins. in diam., brs. N. 37° W., 15 lks. dist., marked $\frac{1}{4}$ S 3 BT.
49.75	Descend 63 ft., along top of spur, sloping N. Leave top of spur, slopes NE. from S. Descend 80 ft., over NW. slope, to
59.75	Draw, 10 lks. wide, course NE. into bottom of Snap Canyon. Enter rolling land. Desc. 35 ft., over NE. slope, to
71.10	Head of draw, course NE. Ascend 20 ft. over SE. and E. slopes, to
79.91	Intersect the 8th Standard Parallel North, 13.02 chs. W. of the std. $\frac{1}{4}$ sec. cor. of sec. 35, T. 33 N., R. 14 W., described in Book "E." At point of intersection, set an iron post, 3 ft. long, 2 ins. in diam., 8 ins. in the ground to bed rock, deposit a stone, marked with a cross (x) at base of post, and raise a mound of stone around post, for closing cor. of secs. 2 and 3, marked on brass cap, $\begin{array}{c} T33N \ R14W \\ \hline S \ 35 \\ \hline S \ 3 \ \ S \ 2 \\ T32N \ R14W \\ C \ \ C \\ 1922 \end{array}$
	No bearing trees available. Land, mountainous. Soil, gravelly, 3rd rate. Timber, pinyon and cedar. Undergrowth, black brush, sagebrush and yucca.

	From the cor. of secs. 3, 4, 33 and 34, on S. bdy. of Tp., hereinbefore described, N. 0° 2' W., bet. secs. 33 and 34. Over rolling land, thru. scattering timber and undergrowth. Descend 20 ft., over NW. slope.
5.50	Draw, course W. Asc. gradually over W. slope, to
15.20	Wash, 20 lks. wide, course W. Asc. 60 ft., over SW. slope.
22.00	Spur, slopes N. 55° W. Desc. 21 ft.
24.50	Draw, course NW. Desc. 12 ft. over gradual NW. slope, to
28.50	Enter mountainous land. Descend 195 ft., over steep broken NW. slope.
34.00	Gulch, course W. Asc. 90 ft., over SW. slope.
37.00	Point of spur, slopes W. Descend 70 ft., over NW. slope, to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in the ground to bed rock, supported in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\begin{array}{c} \frac{1}{4} \\ S33 \ \ S34 \\ 1922 \end{array}$
	from which, A pinyon, 3 ins. in diam., brs. S. 67° E., 30 lks. dist., marked BT. A pinyon, 7 ins. in diam., brs. S. 38 $\frac{1}{2}$ ° W., 140 lks. dist., marked $\frac{1}{4}$ S 33 BT.
	Descend 30 ft., over NW. slope.

Survey of Subdivision lines of Township 32 North, Range 14 West, 29

Chains.

42.50 Gulch, course SW. Asc. 108 ft. over S. slope.
 46.20 Spur, slopes W. Desc. 100 ft., over N. slope.
 49.50 Draw, course NW. Asc. 20 ft., over W. slope, to
 52.90 Draw, course W. Asc. 77 ft., over SW. slope.
 56.00 Spur, slopes NW. Desc. 160 ft., over N. slope.
 63.80 Gulch, course NW. Asc. 120 ft., over SW. slope.
 73.00 Spur, slopes NW. Desc. 130 ft., over N. slope, to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 10 ins. in the
 ground to bed rock, supported in a mound of stone, for
 cor. of secs. 27, 28, 33 and 34, marked on brass cap,

T32N | R14W
 S28 | S27
 S33 | S34
 1922

from which,

- A pinyon, 18 ins. in diam., brs. N. 28° E., 250 lks.
dist., marked T32N R14W S27 BT.
- A pinyon, 7 ins. in diam., brs. S. 58° E., 40 lks.
dist., marked T32N R14W S34 BT.
- A pinyon, 12 ins. in diam., brs. S. 4½° W., 118 lks.
dist., marked T32N R14W S33 BT.
- A pinyon, 12 ins. in diam., brs. N. 58½° W., 66 lks.
dist., marked T32N R14W S28 BT.

Land, rolling and mountainous.
 Soil, gravelly and rocky, 3rd rate.
 Timber, cedar and pinyon.
 Undergrowth, black brush.

40.00 East, on a random line, bet. secs. 27 and 34.
 Set temp. ¼ sec. cor.
 80.00 Fall 7 lks. N. of the cor. of secs. 26, 27, 34 and 35.
 Thence,
 N. 89° 57' W., on a true line, bet. secs. 27 and 34.
 Over mountainous land, thru. scattering timber and under-
 growth. Desc. 435 ft., over W. slope.
 33.80 Wash, course NW. Asc. 6 ft., over NE. slope.
 35.90 Descend 87 ft., over NW. slope, to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in
 the ground, to bed rock, supported in a mound of stone,
 for ¼ sec. cor., marked on brass cap,

¼ S 27
 S 34
 1922

from which,

- A pinyon, 7 ins. in diam., brs. N. 14° W., 75 lks.
dist., marked ¼ S 27 BT.
- A pinyon, 10 ins. in diam., brs. S. 23° W., 39 lks.
dist., marked ¼ S 34 BT.

Descend 40 ft., over W. slope.
 45.80 Small stream in gulch, course NW. Asc. 70 ft. over NE. slope.
 53.20 Short spur slopes NW.
 61.00 Spur, slopes NW. Desc. 223 ft., over SW. slope.
 69.00 Gulch, course NW. Desc. gradually over N. slope, to
 80.00 The cor. of secs. 27, 28, 33 and 34
 Land, mountainous. Soil, rocky, 4th rate.
 Timber, cedar and pinyon.
 Undergrowth, sagebrush and black brush.

N. 0° 2' W., bet. secs. 27 and 28.
 Over mountainous land, thru. scattering undergrowth.
 Descend 46 ft., over N. slope.
 3.50 Wash, course W. Asc. 20 ft., over W. slope, to
 8.15 Wash, course S. 80° W. Asc. 60 ft.
 11.90 Red sandstone spur, slopes W. Desc. 40 ft.
 15.70 Draw, course S. 75° W. Asc. 100 ft., over S. slope, to
 20.50 Spur, slopes S. 80° W. Asc. 67 ft., over W. slope, to

30 Survey of Subdivision lines of Township 32 North, Range 14 West.

Chains.

36.80 Gulch, course S.70°W. Asc.30 ft., over S.slope, to
 39.00 Spur, slopes SW. Desc. slightly over NW.slope, to
 40.00 Set an iron post 3 ft.long, 1 in.in diam., 14 ins.in the
 ground, to bed rock, deposit a stone, marked with a
 cross (x) at base of post, and raise a mound of stone
 around post, for ¼ sec.cor., marked on brass cap,

S28 | S27

1922

47.50 No bearing trees available. Desc.24 ft., over NW.slope.
 Wash, 20 lks.wide, course W.

68.70 Ascend 92 ft., over SW. and W.slopes, to
 Wash, 20 lks.wide, course W. from NE.

80.00 Ascend 105 ft., over SE. slope, to
 Set an iron post, 3 ft.long, 2 ins.in diam., 12 ins. in
 the ground to bed rock, supported in a mound of stone,
 for cor.of secs. 21, 22, 27 and 28, marked on brass cap,

T32N | R14W

S21 | S22

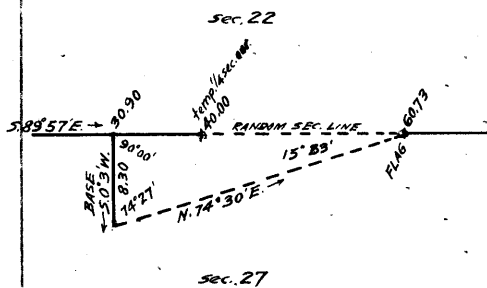
S28 | S27

1922

No bearing trees available. Raise a mound of stone, 4 ft.
 base, 3 ft.high, W.of cor.
 Land, mountainous. Soil, gravelly, 3rd rate.
 Timber, none. Undergrowth, black brush.

30.90 S.89°57'E., on a random line, bet.secs.22 and 27.
 Triangulation point. Continue chaining to

40.00 Set temp.¼ sec.cor. Discontinue chaining at this point
 owing to cliffs ahead, and triangulate as follows:



Set flag ahead on random line
 at top of cliffs.

From 30.90 ch.station on random
 line, measure a Base, S.0°3'W.,
 8.30 chs.

From S.end of base, the flag brs.
 N.74°30'E.

From North end of Base the ver-
 tical angle to flag is +25°.

Dist.on sec.line = 30.90 chs.

Dist.triangulated = 29.83 chs.

Total distance, = 60.73 chs.

60.73 Triangulation point at top of cliffs.

Continue line and measurement by chaining.

80.10 Fall 16 lks.N.of the cor.of secs.22, 23, 26 and 27.

Thence,

N.89°50'W., on a true line, bet.secs.22 and 27.

Over mountainous land, thru.scattering timber and dense
 undergrowth. Desc.36 ft., over NW.slope.

3.15 Head of gulch, course NW. Asc.65 ft.over NE.slope.

9.00 Ridge brs.SE.and NW. Desc.135 ft., over SW.slope, to

12.30 Descend 10 ft. over S.slope, to

17.80 Spur, slopes SW. Desc. 15 ft.

19.37 Triangulation point at top of cliff, 200 ft. high, bearing
 SE. and NW. facing SW. Discontinue chaining. Measurement
 by triangulation to 40.10 ch.station; thence chain S.89°
 50'E., 0.05 chs. to

40.05 Set an iron post, 3 ft.long, 1 in.in diam., 18 ins.in the
 ground to bed rock, deposit a stone, marked with a cross
 (x) at base of post, and raise a mound of stone around
 post, for ¼ sec.cor., marked on brass cap,

¼ S 22

S 27

1922

No bearing trees available. Continue line and measurement
 by chaining. Desc. slightly to

42.00 Head of wash, course SW. Desc.58 ft., over S.slope, to

BOOK 100

Survey of Subdivision lines of Township 32 North, Range 14 West. 31

Chains.	
55.00	Head of draw, course SW. Desc. 100 ft. to
61.45	Ridge, brs. NE. and SW. Desc. 80 ft., over NW. slope, to
68.00	Foot of ridge, brs. NE. and SW. Enter nearly level land. Descend 10 ft. to
75.00	Wash, 20 lks. wide, course SW. Ascend 45 ft., over S. slope, to
79.50	Small draw, course S. Asc. slightly over SE. slope, to
80.10	The cor. of secs. 21, 22, 27 and 28. Land, mountainous and nearly level. Soil, rocky, 3rd and 4th rate. Timber, cedar and pinyon. Undergrowth, black brush and yucca.

	N. 0° 2' W., bet. secs. 21 and 22. Over mountainous land, thru. scattering undergrowth. Ascend 38 ft., over SE. slope, to
3.00	Spur, slopes SW. Asc. 135 ft., over W. and SW. slopes.
15.20	Spur, slopes SW. Desc. 60 ft., over NW. slope.
22.00	Wash, course W. Asc. 325 ft., over SW. slope, to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S21 S22 1922
	No bearing trees available. Raise a mound of stone 4 ft. base, 3 ft. high, W. of cor. Ascend 935 ft., over SW. slope.
72.00	Spur, slopes SE. Enter dense timber. Descend 23 ft., over NE. slope.
77.00	Ascend 15 ft., over E. slope, to
80.00	Set an iron post 3 ft. long, 2 ins. in diam., 14 ins. in the ground to bed rock, supported in a mound of stone, for cor. of secs. 15, 16, 21 and 22, marked on brass cap, $\frac{1}{4}$ T32N R14W S16 S15 S21 S22 1922
	from which, A cedar, 14 ins. in diam., brs. N. 46 $\frac{1}{2}$ ° E., 72 lks. dist., marked T32N R14W S15 BT. A cedar, 8 ins. in diam., brs. S. 7° E., 63 lks. dist., marked T32N R14W S22 BT. A cedar, 6 ins. in diam., brs. S. 30° W., 105 lks. dist., marked T32N R14W S21 BT. A cedar, 12 ins. in diam., brs. N. 85 $\frac{3}{4}$ ° W., 53 lks. dist., marked T32N R14W S16 BT.
	Land, mountainous. Soil, gravelly and rocky, 3rd rate. Timber, cedar and pinyon in N. 8 chs. only. Undergrowth, black brush and cactus.

40.00	S. 89° 50' E., on a random line, bet. secs. 15 and 22. Set temp. $\frac{1}{4}$ sec. cor.
80.12	Fall 11 lks. N. of the cor. of secs. 14, 15, 22 and 23. Thence, N. 89° 45' W., on a true line, bet. secs. 15 and 22. Over mountainous land, thru. dense timber and undergrowth. Descend 86 ft., over W. slope.
1.80	Gulch, course NW. Asc. 135 ft., over NE. slope.
6.50	Point of spur, slopes N. Desc. 145 ft. over NW. slope.
9.90	Gulch, course N. Asc. 450 ft., over NE. slope.
25.80	Ridge, brs. SE. and NW. Desc. 53 ft., over SW. slope.
30.70	Gulch, course S. near head. Asc. 75 ft., over E. slope.
37.35	Spur, slopes S. Desc. 70 ft., over W. slope, to
40.06	Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 15 S 22 1922

32 Survey of Subdivision lines of Township 32 North, Range 14 West.

Chains.

from which,

A pinyon, 8 ins. in diam., brs. N. 51° E., 40 lks. dist., marked $\frac{1}{2}$ S 15 BT.

A pinyon, 6 ins. in diam., brs. S. 15° W., 29 lks. dist., marked $\frac{1}{2}$ S 22 BT.

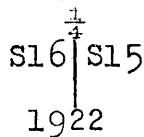
- 42.55 Descend 57 ft., over W. slope.
- Gulch, course S., heads 2 chs. N.
- Ascend 97 ft., over E. slope.
- 46.00 Spur, slopes S. Desc. 190 ft., over W. slope.
- 51.75 Gulch, course S. Asc. 236 ft., over E. slope.
- 60.35 Spur, slopes S. Desc. 80 ft., over SW. slope.
- 66.00 Head of gulch, course S. Asc. 90 ft., over SE. slope.
- 72.10 Point of spur, slopes S. Desc. 160 ft., over SW. slope.
- 79.14 Gulch, course SE. Asc. 24 ft., over E. slope, to
- 80.12 The cor. of secs. 15, 16, 21 and 22.

Land, mountainous.
Soil, rocky, 4th rate.
Timber, cedar and pinyon.
Undergrowth, manzanita, scrub oak and yucca.

N. 0° 2' W., bet. secs. 15 and 16.

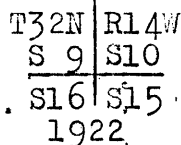
Over mountainous land, thru. dense timber and undergrowth.

- 0.95 Ascend 5 ft., over E. slope, to Bend in gulch, course SE. from NE.
- Ascend 38 ft., over E. slope, to
- 4.50 Same gulch, course SE. Asc. 110 ft., over SW. slope.
- 28.60 Ridge, brs. E. and W.
- Descend 200 ft., over N. slope.
- 38.06 Gulch, course E.
- Ascend 12 ft., over S. slope, to
- 40.00 Point of short spur, sloping E. Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,



No bearing trees available. Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

- 40.65 Descend 17 ft., over NE. slope.
- Gulch, course SE.
- Ascend 215 ft., over SW. slope.
- 51.50 Ridge, brs. SE and NW.
- Descend 102 ft., over NE. slope, to
- 62.25 Head of gulch, course NE.
- Ascend 26 ft., over SE. slope.
- 64.70 Point of spur, slopes NE.
- Descend 256 ft., over NE. slope.
- 71.90 Gulch, course SE.
- Ascend 260 ft., over SW. slope, to
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in the ground, to bed rock, supported in a mound of stone for cor. of secs. 9, 10, 15 and 16, marked on brass cap,



from which,

A pinyon, 8 ins. in diam., brs. N. 78° E., 43 lks. dist., marked T32N R14W S10 BT.

A pinyon, 4 ins. in diam., brs. S. 32° E., 64 lks. dist., marked BT.

A pinyon, 8 ins. in diam., brs. S. 52½° W., 42 lks. dist., marked T32N R14W S16 BT.

BOOK 0000

Survey of Subdivision lines of Township 32 North, Range 14 West. 33

Chains.	
	<p>A pinyon, 6 ins. in diam., brs. N. $78\frac{1}{2}^{\circ}$ W., 130 lks. dist., marked T32N R14W S9 BT.</p> <p>Land, mountainous. Soil, rocky, 4th rate. Timber, cedar and pinyon. Undergrowth, sage brush, scrub oak, cactus and black brush.</p>

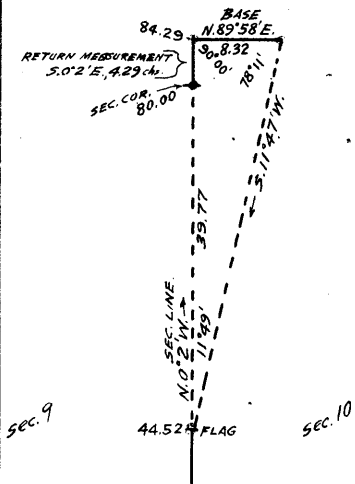
40.00	S. $89^{\circ}45'$ E., on a random line, bet. secs. 10 and 15.
79.94	Set temp. $\frac{1}{4}$ sec. cor. Fall 11 lks. S. of the cor. of secs. 10, 11, 14 and 15. Thence N. $89^{\circ}50'$ W., on a true line, bet. secs. 10 and 15. Over mountainous land, thru. dense timber and undergrowth. Ascend 44 ft., over E. slope.
4.60	Spur, slopes SE. Descend 26 ft., over SW. slope.
9.70	Ascend 30 ft., over S. slope.
14.80	Descend 15 ft., over SW. slope.
17.50	Draw, 20 lks. wide, course SE. Ascend 230 ft., over SE. and S. slopes, to
37.86	Gulch, course SE. Ascend 80 ft., over NE. slope, to
39.97	Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground to bed rock, supported in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,
	$\frac{1}{4}$ S 10 S 15 1922
	from which, A cedar, 12 ins. in diam., brs. N. 64° W., 58 lks. dist., marked $\frac{1}{4}$ S 10 BT. A pinyon, 10 ins. in diam., brs. S. 28° E., 81 lks. dist., marked $\frac{1}{4}$ S 15 BT.
62.95	Ascend 560 ft., over steep NE. slope. Point of short spur, slopes N.
68.00	Descend 34 ft., over NW. slope.
75.57	Ascend 158 ft., over NE. slope, to Ridge, brs. NW. and SE.
79.94	Ascend 32 ft., over S. slope, to The cor. of secs. 9, 10, 15 and 16. Land, mountainous. Soil, rocky, 4th rate. Timber, cedar and pinyon. Undergrowth, sagebrush, black brush and scrub oak.

3.35	N. $0^{\circ}2'$ W., bet. secs. 9 and 10. Over mountainous land, thru. dense timber and undergrowth. Ascend 65 ft., over SW. slope. Ridge, brs. SE. and NW.
19.00	Descend 300 ft., over NE. slope. Gulch, course SE.
29.45	Ascend 369 ft., over S. slope. Ridge, brs. SE. and NW.
35.65	Descend 142 ft., over NE. slope. Gulch, course E.
40.00	Ascend 110 ft., over S. slope, to Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to bed rock, supported in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,
	S 9 S 10 1922
	from which, A cedar, 8 ins. in diam., brs. S. 64° E., 73 lks. dist., marked $\frac{1}{4}$ S 10 BT.

34 Survey of Subdivision lines of Township 32 North, Range 14 West.

Chains.

A pinyon, 18 ins. in diam., brs. S. 45° W., 92 lks. dist., marked S 9 BT.
 Ascend 45 ft. to
 41.00 Top of cliff, 15 ft. high, brs. NE. and SW. facing SE.
 Ascend 18 ft., over SW. slope, to
 44.52 Ridge, brs. SE. and NW.
 Beyond this point, the line passes over a series of cliffs which render chaining impracticable; therefore, triangulate as follows:



Set flag at this point.
 From a point ahead on sec. line, beyond cliffs, measure a Base, N. 89° 58' E., 8.32 chs. Vertical angle from W. end of Base to flag is + 27°. From E. end of Base, the flag brs. S. 11° 47' W.

Dist. on sec. line = 44.52 chs.
 Dist. triangulated = 39.77 chs.
 Total distance, = 84.29 chs.
 By return measurement = 4.29 chs.
 80.00 chs.

80.00 Descent from 44.52 ch. to 80.00 ch. station = 1240 ft.
 Set an iron post, 3 ft. long, 2 ins. in diam., 20 ins. in the ground to bed rock, supported in a mound of stone, for cor. of secs. 3, 4, 9 and 10, marked on brass cap,

T32N	R14W
S 4	S 3
S 9	S 10
1922	

from which,
 A cedar, limb, 6 ins. in diam., brs. S. 31° E., 69 lks. dist., marked T32N R14 W S10 BT.
 A pinyon, 6 ins. in diam., brs. S. 74° W., 77 lks. dist., marked T32N R14W S9 BT.
 A pinyon, 4 ins. in diam., brs. N. 69° W., 149 lks. dist., marked BT.
 No other bearing trees available.

Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, cedar, pinyon and juniper.
 Undergrowth, black brush, manzanita and sagebrush.

40.00 S. 89° 50' E., on a random line, bet. secs. 3 and 10.
 Set temp. sec. cor.
 80.10 Fall 19 lks. S. of the cor. of secs. 2, 3, 10 and 11.
 Thence,
 N. 89° 58' W., on a true line, bet. secs. 3 and 10.
 Over mountainous land, thru. dense timber and undergrowth.
 Descend 6 ft., over NW. slope.
 1.30 Gulch, course NE.
 Ascend 86 ft., over E. slope.
 8.20 Spur, slopes N. 5° E.
 Descend 26 ft., over NW. slope.
 10.40 Head of draw, course N.
 Ascend 182 ft., over NE. slope.
 19.00 Spur, slopes N.
 Descend 50 ft., over W. slope.
 27.30 Draw, 10 lks. wide, course N.
 Ascend gradually over broken N. slope, to
 40.05 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground, for 1/4 sec. cor., marked on brass cap,

1	S 3
4	S 10
1922	

Survey of Subdivision lines of Township 32 North, Range 14 West. 35

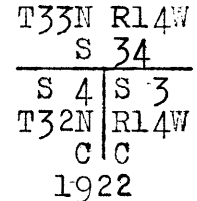
Chains.

from which,
 A cedar, 8 ins. in diam., brs. N. 26 1/2° W., 173 lks.
 dist., marked 1/4 S 3 BT.
 A cedar, 8 ins. in diam., brs. S. 41° E., 17 lks.
 dist., marked 1/4 S 10 BT.
 Ascend 245 ft., over broken N. slope, to
 80.10 The cor. of secs. 3, 4, 9 and 10.
 Land, mountainous. Soil, rocky, 4th rate.
 Timber, cedar and pinyon. Undergrowth, black brush & sagebrush.

 N. 0° 2' W., on a true line, bet. secs. 3 and 4.
 Over mountainous land, thru dense timber and undergrowth.
 Descend 505 ft., over N. slope, to
 38.20 Shallow draw, course NE. Enter rolling land and scattering
 timber. Desc. slightly over NE. slope, to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the
 ground for 1/4 sec. cor., marked on brass cap,

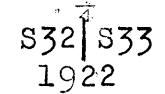
S 4 | S 3
 1922 from which,
 A cedar, 14 ins. in diam., brs. S. 26° E., 169 lks.
 dist., marked 1/4 S 3 BT.
 A cedar, 14 ins. in diam., brs. S. 22° W., 120 lks.
 dist., marked 1/4 S 4 BT.

Descend 167 ft., over NE. slope.
 66.70 Swale, drains NW. Asc. 23 ft., over SW. slope.
 72.70 NW. end of top of hill, brs. NW. and SE.
 Descend 35 ft., over NW. and N. slopes, to
 80.02 Intersect the 8th Standard Par. N., 12.90 chs. W. of the std.
 1/4 sec. cor. of sec. 34, T33 N., R. 14 W., which is an iron
 post, described in Book "E."
 At point of intersection, set an iron post, 3 ft. long, 2
 ins. in diam., 24 ins. in the ground for closing cor. of
 secs. 3 and 4, marked on brass cap,



No bearing trees available. Raise a mound of stone, 3 ft.
 base, 2 ft. high, S. of cor.
 Land, mountainous and rolling. Soil, gravelly, 3rd rate.
 Timber, pinyon and cedar.
 Undergrowth, black brush, sagebrush and yucca.

 From cor. of secs. 4, 5, 32 and 33 on S. bdy. of Tp., hereinbe-
 fore described,
 N. 0° 3' W., bet. secs. 32 and 33.
 Over rolling land, thru dense undergrowth.
 Descend slightly over W. slope, to
 11.00 Wash, 15 lks. wide, course N. 80° W. Continue over W. slope. Desc.
 21.40 Wash, course W. Asc. 50 ft., over W. slope.
 37.40 Descend 20 ft., over NE. slope, to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the
 ground, to bed rock, deposit a stone, marked with a cross
 (x) at base of post, and raise a mound of stone around
 post, for 1/4 sec. cor., marked on brass cap,



No bearing trees available. Desc. 65 ft. over NE. slope.
 45.60 Wash, course W. Asc. 85 ft.
 60.30 Point of spur, slopes NW. Enter mountainous land.
 Descend 400 ft., over NE. slope.
 66.20 Old road, brs. E. and W.
 73.60 Center of wash, 300 lks. wide, in gulch, course W.
 Ascend 40 ft., over SW. slope, to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 10 ins. in the
 ground to bed rock, deposit a stone, marked with a cross
 (x) at base of post, and raise a mound of stone around

36 Survey of Subdivision lines of Township 32 North, Range 14 West.

Chains.							
	post, for cor. of secs. 28, 29, 32 and 33, marked on brass cap, <div style="text-align: center;"> <table border="1"> <tr><td>T32N</td><td>R14W</td></tr> <tr><td>S29</td><td>S28</td></tr> <tr><td>S32</td><td>S33</td></tr> </table> </div>	T32N	R14W	S29	S28	S32	S33
T32N	R14W						
S29	S28						
S32	S33						
	1922 from which, A pinyon, 6 ins. in diam., brs. S. 43 $\frac{1}{4}$ ° E., 127 lks. dist., marked T32NR14W S33 BT. No other bearing trees available. Land, rolling and mountainous. Soil, gravelly, 2nd and 3rd rate. Timber, none. Undergrowth, black brush and sagebrush,						

	East, on a random line bet. secs. 28 and 33.						
40.00	Set temp. $\frac{1}{4}$ sec. cor.						
80.00	Fall 9 lks. S. of the cor. of secs. 27, 28, 33 and 34. Thence, S. 89° 56' W., on a true line, bet. secs. 28 and 33. Over mountainous land, thru. scattering undergrowth. Descend 30 ft., over N. slope, to						
2.75	Ascend 58 ft., over N. slope.						
13.00	Descend gradually over NW. slope, to						
23.00	Rim of gulch, brs. NW and SE. Desc. 175 ft., over NW. slope, to						
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bed rock, deposit a stone, marked with a cross (x) at base of post, and raise a mound of stone around post, for $\frac{1}{4}$ sec. cor., marked on brass cap, <div style="text-align: center;"> <table border="1"> <tr><td>S</td><td>28</td></tr> <tr><td>S</td><td>33</td></tr> </table> </div>	S	28	S	33		
S	28						
S	33						
	1922						
59.50	No bearing trees available. Desc. 140 ft., over NW. slope. Center of wash, 200 lks. wide, in bottom of gulch, course S. 75° W. Asc. 80 ft., over SE. slope.						
69.00	Descend 118 ft., over SW. slope to sec. cor.						
78.50	Old road, brs. N. and S.						
80.00	The cor. of secs. 28, 29, 32 and 33. Land, mountainous. Soil, gravelly, 3rd rate. Timber, none. Undergrowth, black brush.						

	N. 0° 3' W., bet. secs. 28 and 29. Over mountainous land, thru. scattering undergrowth. Ascend 60 ft., over SW. slope.						
2.75	Point of spur, slopes W. Desc. 52 ft., over NW. slope.						
7.60	Wash, 30 lks. wide, course NW. Asc. 62 ft., over SW. slope.						
11.70	Spur, slopes N. 70° W. Enter rolling land. Descend gradually over NW. slope to $\frac{1}{4}$ sec. cor.						
13.00	Old road, brs. E. and W.						
33.80	Old road, brs. E. and W.						
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, <div style="text-align: center;"> <table border="1"> <tr><td>S29</td><td>S28</td></tr> </table> </div>	S29	S28				
S29	S28						
	1922						
45.10	No bearing trees available. Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Desc. 15 ft., over NW. slope. Wash, 20 lks. wide, course W. Enter mountainous land. Ascend 176 ft., over SE. slope.						
63.50	Point of spur, slopes SE. Descend 20 ft. over E. slope, to						
71.20	Wash, 10 lks. wide, course SE. Asc. 44 ft. over SW. slope, to						
78.00	Same wash in bend, course SW. from NW. Ascend 16 ft., over SW. slope, to						
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in the ground to bed rock, deposit a stone, marked with						

BOOK 003

Survey of Subdivision lines of Township 32 North, Range 14 West. 37

Chains

a cross (x) at base of post, and raise a mound of stone around post, for cor. of secs. 20, 21, 28 and 29, marked on brass cap,

T32N | R14W
S20 | S21
S29 | S28
1922

No bearing trees available.
Land, mountainous and rolling.
Soil, rocky, 3rd rate.
Timber, none.
Undergrowth, black brush, yucca and sage brush.

40.00 N. 89° 56' E., on a random line, bet. secs. 21 and 28.
Set temp. 1/4 sec. cor.
80.04 Fall 19 lks. S. of the cor. of secs. 21, 22, 27 and 28.
Thence
S. 89° 48' W., on a true line, bet. secs. 21 and 28.
Over mountainous land, thru. dense undergrowth.
Ascend 25 ft., over SE. slope.
2.00 Spur, slopes SW.
Descend 111 ft., over NW. slope, to
6.40 Draw, 10 lks. wide, course SW. Desc. gradually over S. slope
to
36.70 Spur, slopes SW. Desc. 75 ft., over NW. slope.
40.02 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in
the ground to bed rock, deposit a stone, marked with a
cross (x) at base of post, and raise a mound of stone,
around post, for 1/4 sec. cor., marked on brass cap,

1/4 S 21
S 28
1922

No bearing trees available.
Descend 50 ft., over NW. slope.
43.30 Draw, 10 lks. wide, course SW.
Ascend 20 ft., over SE. slope.
49.60 Spur, slopes SW.
Descend 35 ft. over W. slope.
52.80 Draw, 20 lks. wide, course SW.
Descend 70 ft., over SW. slope.
63.80 Draw, 30 lks. wide, course SW.
Ascend 80 ft., over SE. slope.
78.00 Spur, slopes S. Desc. 40 ft., over SW. slope, to
80.04 The cor. of secs. 20, 21, 28 and 29.
Land, mountainous.
Soil, rocky, 4th rate.
Timber, few pinyon in W. 1/2 mile.
Undergrowth, black brush, greasewood and yucca.

N. 0° 3' W., bet. secs. 20 and 21.
Over mountainous land, thru. scattering timber and under-
growth.
Ascend 290 ft., over SW. and W. slopes, to
32.35 Wash, 10 lks. wide, course SW.
Ascend 198 ft., over SE. slope, to
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in
the ground to bed rock, deposit a stone marked with a
cross (x) at base of post, and raise a mound of stone,
around post, for 1/4 sec. cor., marked on brass cap,

S20 | S21
1922

38 Survey of Subdivision lines of Township 32 North, Range 14 West.

Chains.

from which,

A pinyon, 1.2 ins. in diam., brs. N. $28\frac{1}{2}^{\circ}$ E., 28 lks. dist., marked S 21 BT.

No other bearing trees available.

Ascend 72 ft., over SE. slope.

42.10 Spur. slopes SW. Top of knoll, brs. SW. about 5 chs. dist.

Descend 75 ft., over NW. slope.

47.00 Gulch, course N.

Ascend 360 ft., over steep broken SW. slope, to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground for cor. of secs. 16, 17, 20 and 21, marked on brass cap,

T32N	R14W
S17	S16
S20	S21
1922	

from which,

A juniper, 8 ins. in diam., brs. N. 67° E., 170 lks. dist., marked T32N R14W S16 BT.

No other bearing trees available. Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, pinyon.

Undergrowth, black brush, yucca and sagebrush.

N. $89^{\circ} 48' E.$, on random line, bet. secs. 16 and 21.

Chaining is impracticable owing to precipitous broken ascent and cliffs; therefore, triangulate as follows:

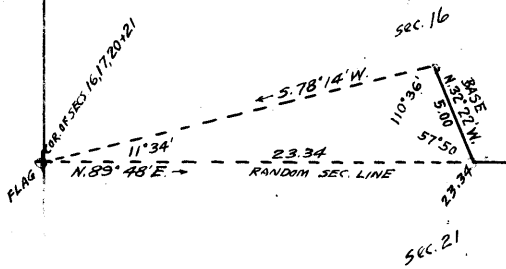
Set flag on the cor. of secs. 16, 17, 20 and 21.

From a point ahead on line at top of cliffs, measure a Base N. $32^{\circ} 22' W.$, 5.00 chs.

A longer Base is impracticable. Vertical angle from sec. cor. to SE. end of Base is $+34^{\circ}$.

From NW. end of Base, the flag on sec. cor. brs. S. $78^{\circ} 14' W.$

Dist. triangulated = 23.34 chs.



23.34 Triangulation point. Continue line and measurement by chaining.

33.42 Set flag at this point for triangulation hereinafter described.

Continue chaining to

40.00 Set temp. sec. cor.

Beyond this point, the line crosses a deep canyon with precipitous sides, over which chaining is impracticable; therefore, triangulate as follows:

From a point ahead on random sec. line near E. or left rim of canyon, measure a Base, N. $0^{\circ} 42' W.$, 8.30 chs.

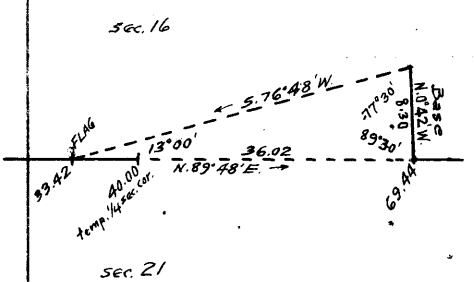
Vertical angle from flag to S. end of Base is $-0^{\circ} 25'$.

From N. end of Base, the flag brs. S. $76^{\circ} 48' W.$

Dist. on random line = 33.42 chs.

Dist. triangulated = 36.02 chs.

Total distance, = 69.44 chs.



69.44 Triangulation point. Continue line and measurement by chaining.

80.14 Fall 37 lks. N. of the cor. of secs. 15, 16, 21 and 22.

Thence,

N. $89^{\circ} 56' W.$, on a true line, bet. secs. 16 and 21.

Over mountainous land, thru dense timber and undergrowth.

Ascend 120 ft., over E. slope.

10.60 Spur, slopes S.

Survey of Subdivision lines of Township 32 North, Range 14 West. 39

Chains.

10.70 Triangulation point. Continue chaining to
 11.00 East or left rim of canyon, brs. SE and NW. Discontinue chaining. Measurement across canyon by triangulation, hereinbefore described.
 Descend about 575 ft. to
 25.00 (Approx.) Wash, 40 lks. wide in bottom of canyon, course S. Ascend about 425 ft. to $\frac{1}{4}$ sec. cor.
 From 40.14 ch. station, chain measurement S. $89^{\circ}56'E.$ 0.07 chs. to
 40.07 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

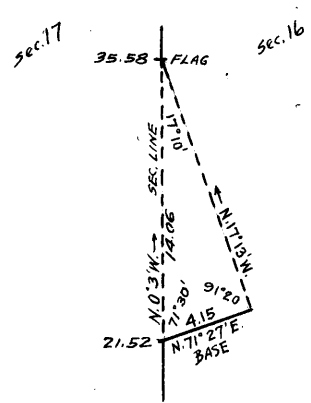
$$\frac{1}{4} S 16$$

$$S 21$$
 1922
 from which,
 A pinyon, 8 ins. in diam., brs. N. $50^{\circ}W.$, 32 lks. dist., marked $\frac{1}{4} S 16 BT.$
 A pinyon, 12 ins. in diam., brs. S. $65^{\circ}W.$, 41 lks. dist., marked $\frac{1}{4} S 21 BT.$
 Continue line and measurement by chaining.
 Ascend 320 ft., over NE. slope.
 53.34 Ridge, brs. SE. and NW. forming W. or right rim of canyon. Leave canyon. Descend 20 ft., over SW. slope, to
 56.80 Triangulation point at top of cliff, 300 ft. high, bearing NW. and SE., facing SW. Discontinue chaining. Measurement to sec. cor. by triangulation, hereinbefore described.
 59.00 (Approx.) Foot of cliff, brs. NW and SE.
 Descend about 740 ft., over steep broken SW. slope, to
 80.14 The cor. of secs. 16, 17, 20 and 21.
 Land; mountainous.
 Soil, rocky, 4th rate.
 Timber, cedar and pinyon.
 Undergrowth, sagebrush, scrub oak, black brush and cactus.

N. $0^{\circ}3'W.$, bet. secs. 16 and 17.
 Over mountainous land, thru: scattering timber and undergrowth.

21.52 Ascend 300 ft., over steep broken SW. slope; to Beyond this point, chaining is impracticable, owing to the rugged broken character of the surface, and a high cliff ahead. Triangulate to top of cliff as follows:

Measure a Base N. $71^{\circ}27'E.$, 4.15 chs.
 A longer Base is impracticable.
 Set flag ahead on sec. line at top of cliff.
 Vertical angle from 21.52 ch. station to flag is $\dagger 26^{\circ}$; and from same sta. to point on sec. line at foot of cliff $\dagger 7^{\circ}$.
 From NE. end of Base, the flag brs. N. $17^{\circ}13'W.$
 Dist. on sec. line = 21.52 chs.
 Dist. triangulated = 14.06 chs..
 Total distance = 35.58 chs.



31.50 (Approx.) Foot of cliff, brs. E. and W., about 80 ft. above 21.52 ch. station.
 Ascend about 370 ft. over face of cliff, to
 35.58 Triangulation point at top of cliff, bearing E. and W. Continue line and measurement by chaining.
 Ascend 10 ft., over S. slope, to
 36.50 Point of spur, sloping W. Set an iron post, 3 ft. long, 1 in. in diam., on surface rock, deposit a stone, marked with a cross (x) at base of post, and raise a mound of stone around post, for witness cor. to $\frac{1}{4}$ sec. cor., marked on brass cap,

40 Survey of Subdivision lines of Township 32 North, Range 14 West.

Chains.

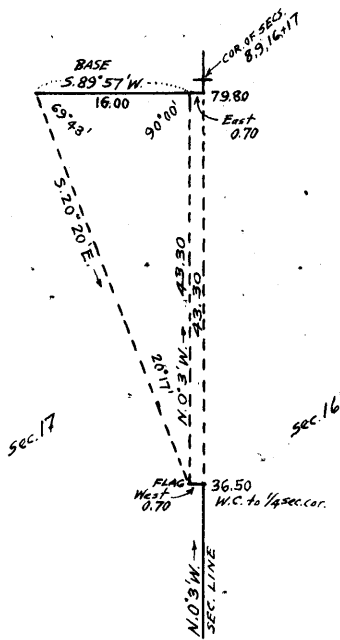
W C
S17 S16
1922

from which

A pinyon, 8 ins. in diam., brs. S.45°E., 43 lks. dist., marked WC S16 BT.

No other bearing trees available.

Discontinue chaining, as the line beyond this point passes over a series of cliffs, two gulches and a sharp rocky spur, and all of the slopes are of such nature as to make chaining impracticable. Triangulate as follows:



As the point for $\frac{1}{4}$ sec. cor. falls on a high rock pinnacle, which obstructs the line of vision, N.0°3'W. from the W.C. to $\frac{1}{4}$ sec. cor., set a flag at a point 70 lks. W. from the W.C.

From a point N.0°3'W. from flag, measure a Base, S.89°57'W., 16.00 chs.

Vertical angle from flag to E. end of Base is -13°.

From W. end of Base, the flag brs. S.20°20'E.

Dist. on sec. line to point 70 lks. E. of flag = 36.50 chs.

Dist. triangulated N.0°3'W. on offset line 70 lks. W. of sec. line = 43.30 chs.

Dist. on sec. line to point 70 lks. E. of triangulation pt. = 79.80 chs.

46.00 (Approx.) Wash 30 lks. wide, in gulch, course W. about 600 ft. below W.C. to $\frac{1}{4}$ sec. cor.

Ascend about 200 ft.

60.00 (Approx.) Sharp rocky spur, slopes W. Desc. about 300 ft.

76.00 (Approx.) Gulch, course NW.

Ascend about 50 ft. over SW. slope to sec. cor.

From triangulation point at the N. end of the triangulated offset line, chain East 70 lks. to point on sec. line at

79.80 Thence on true line, bet. secs. 21 and 28, continuing measurement by chaining.

Ascend over SW. slope, to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 8, 9, 16 and 17, marked on brass cap,

T32N | R14W
S 8 | S 9
S17 | S16
1922

from which,

A pinyon, 10 ins. in diam., brs. N.17 $\frac{1}{2}$ °E., 50 lks. dist., marked T32N R14W S9 BT.

A pinyon, 14 ins. in diam., brs. S.2 $\frac{1}{2}$ °E., 132 lks. dist., marked T32N R14W S16 BT.

A pinyon, 8 ins. in diam., brs. S.11°W., 230 lks. dist., marked T32N R14W S17 BT.

A pinyon, 6 ins. in diam., brs. N.1 $\frac{1}{2}$ °W., 118 lks. dist., marked T32N R14W S8 BT.

Land, mountainous.

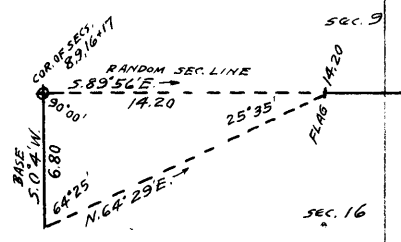
Soil, rocky, 4th rate.

Timber, pinyon, juniper and cedar.

Undergrowth, black brush, manzanita and yucca.

Survey of Subdivision lines of Township 32 North, Range 14 W. 41

Chains.	<p>S. $89^{\circ}56'E.$, on random line, bet. secs. 9 and 16. Owing to precipitous ascent and cliff ahead, chaining is impracticable; therefore, triangulate as follows: Set flag ahead on random sec. line at top of cliff. From cor. of secs. 8, 9, 16 and 17, measure a Base, S. $0^{\circ}4'W.$, 6.80 chs. A longer Base is impracticable. From sec. cor. the vertical angle to flag is $+43^{\circ}$. From S. end of Base, the flag brs. N. $64^{\circ}29'E.$ Dist. by triangulation = 14.20 chs.</p>
14.20	<p>Triangulation point. Continue line and measurement by chaining.</p>
40.00	<p>Set temp. $\frac{1}{4}$ sec. cor.</p>
80.14	<p>Intersect N. and S. line, 11 lks. N. of the cor. of secs. 9, 10, 15 and 16. Thence, N. $89^{\circ}51'W.$, on a true line, bet. secs. 9 and 16. Over mountainous land, thru. dense timber and undergrowth. Descend 20 ft., over SW. slope.</p>
4.50	<p>Head of draw, course S. Ascend 115 ft., over SE. slope, to</p>
14.00	<p>Ridge, brs. NE and W. Thence along top of ridge. Ascend 40 ft.</p>
26.20	<p>Descend 17 ft., along top of ridge.</p>
31.20	<p>Leave top of ridge. Descend 105 ft., over NW. slope, to</p>
40.07	<p>Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,</p>
	<p>$\frac{1}{4}$ S 9 S 16 1922</p>
	<p>from which, A cedar, 6 ins. in diam., brs. N. $50^{\circ}E.$, 94 lks. dist., marked $\frac{1}{4}$ S 9 BT. A cedar, 8 ins. in diam., brs. S. $37^{\circ}W.$, 88 lks. dist., marked $\frac{1}{4}$ S 16 BT.</p>
42.70	<p>Descend 14 ft., over NW. slope. Gulch, course NE. Ascend 150 ft., over SE. slope.</p>
64.36	<p>Ridge, brs. SE. and NW. Descend 20 ft., to</p>
65.94	<p>Triangulation point at top of cliff, 300 ft. high, bearing N. and S. facing W. Discontinue chaining. Descend 875 ft. to sec. cor., measurement by triangulation, as hereinbefore described.</p>
80.14	<p>The cor. of secs. 8, 9, 16 and 17. Land, mountainous. Soil, rocky, 4th rate. Timber, cedar and pinyon. Undergrowth, sagebrush, scrub oak, black brush and cactus.</p>
	<p>N. $0^{\circ}3'W.$, bet. secs. 8 and 9. Over mountainous land, thru. scattering timber and dense undergrowth. Ascend 22 ft., over SW. slope.</p>
2.05	<p>Descend 160 ft., over broken NW and W. slopes.</p>
27.70	<p>Head of gulch, course W. Ascend 67 ft., over S. slope.</p>
32.65	<p>Spur, slopes W. Descend 105 ft., over N. slope, to</p>
40.00	<p>Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,</p>



42 - Survey of Subdivision lines of Township 32 North Range 14 West.

Chains.

$$\begin{array}{c} \frac{1}{2} \\ \text{S } 8 \frac{1}{2} \text{ S } 9 \\ 1922 \end{array}$$

from which,

A pinyon, 4 ins. in diam., brs. N. 89° E., 37 lks.
dist., marked BT.A pinyon, 6 ins. in diam., brs. N. 6° W., 332 lks.
dist., marked $\frac{1}{2}$ S 8 BT.

Descend 272 ft., over broken NW. slope.

62.10 Gulch, 20 lks. wide, course NW.

Ascend 95 ft., over SW. slope.

70.00 Spur, slopes NW.

Descend 108 ft., over N. slope.

78.70 Descend 9 ft., over W. slope, to

80.00 Short spur, slopes NW. Set an iron post, 3 ft. long, 2 ins.
in diam., 14 ins. in the ground to bed rock, deposit a
stone, marked with a cross (x) at base of post, and raise a
mound of stones around post for cor. of secs. 4, 5, 8 and
and 9, marked on brass cap,
$$\begin{array}{c} \text{T32N} \mid \text{R14W} \\ \text{S } 5 \mid \text{S } 4 \\ \text{S } 8 \mid \text{S } 9 \\ 1922 \end{array}$$

No bearing trees available.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, juniper and pinyon.

Undergrowth, black brush, sagebrush and yucca.

40.00 S. $89^{\circ} 51'$ E., on a random line, bet. secs. 4 and 9.
Set temp. $\frac{1}{4}$ sec. cor.

79.96 Fall 2 lks. N. of the cor. of secs. 3, 4, 9 and 10.

Thence,

N. $89^{\circ} 50'$ W., on a true line, bet. secs. 4 and 9.Over mountainous land, thru. scattering timber and dense
undergrowth. Along broken N. slope.

Descend 67 ft., to

10.90 Head of gulch, course N.

Ascend 90 ft., over NE. slope.

18.70 Enter dense timber, brs. N. and S.

31.70 Spur, slopes N. Descend 40 ft., over NW. slope, to

39.98 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in
the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
$$\begin{array}{c} \frac{1}{4} \text{ S } 4 \\ \text{S } 9 \\ 1922 \end{array}$$

from which,

A cedar limb, 4 ins. in diam., brs. N. $28\frac{1}{2}^{\circ}$ E., 8
lks. dist., marked BT.A pinyon, 6 ins. in diam., brs. S. 33° W., 9 lks.
dist., marked $\frac{1}{2}$ S 9 BT.

Descend 95 ft., over NW. slope.

43.30 Leave dense, and enter scattering timber, brs. N. and S.

53.50 Draw, 10 lks. wide, course NW.

Ascend 20 ft., over NE. slope.

57.90 Point of spur, slopes NW. Descend 60 ft.

61.40 Gulch, 10 lks. wide, course N. Ascend 37 ft.

70.00 Ridge, brs. N. and S. Descend 30 ft. to

75.00 Head of draw, course NW.

Descend 57 ft., over N. slope, to

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

Land, mountainous.

Soil, rocky, 4th rate.

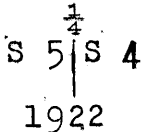
Timber, cedar and pinyon.

Undergrowth, sagebrush, black brush and cactus.

Survey of Subdivision lines of Township 32 North, Range 14 West. 43

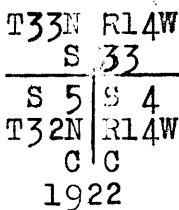
Chains.

N.0°3'W., on a true line, bet. secs. 4 and 5.
 Over mountainous land, thru. scattering timber and undergrowth.
 Descend 260 ft., over N. and NE. slopes.
 17.80 Wash, 20 lks. wide, 2 ft. deep, course NW.
 Ascend 65 ft., over W. slope.
 24.50 Descend 100 ft., over NW. slope.
 38.40 Draw, 50 lks. wide, course NW.
 Ascend 25 ft., over W. slope, to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bed rock, supported in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,



from which,
 A cedar, 10 ins. in diam., brs. S. 47° E., 398 lks. dist., marked $\frac{1}{4}$ S 4 BT.
 A cedar, 16 ins. in diam., brs. N. 48 $\frac{1}{4}$ ° W., 151 lks. dist., marked $\frac{1}{4}$ S 5 BT.

Descend 125 ft., over NW. slope.
 59.10 Road, brs. NE. and SW. Asc. 80 ft., over SE. slope, to
 79.74 Intersect the 8th Standard Parallel North, 12.85 chs. W. of the standard $\frac{1}{4}$ sec. cor., of sec. 33, T. 33 N., R. 14 W., described in Book "E."
 At point of intersection, set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in the ground to bed rock, supported in a mound of stone, for closing cor. of secs. 4 and 5, marked on brass cap,



No bearing trees available. Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, S. of cor.
 Land, mountainous.
 Soil, gravelly, 3rd rate.
 Timber, pinyon and cedar.
 Undergrowth, black brush and cactus.

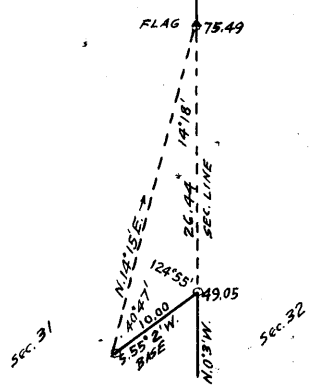
 From the cor. of secs. 5, 6, 31 and 32, on S. bdy. of Tp., hereinbefore described,
 N.0°3'W., bet. secs. 31 and 32.
 Over gently rolling land, thru. scattering undergrowth.
 10.00 Enter rolling land. Asc. 56 ft., over SE. slope.
 25.00 Top of ascent, brs. NE. and SW.
 Descend 50 ft., over N. slope, to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in the ground to bed rock, deposit a stone, marked with a cross (x) at base of post, and raise a mound of stone around post, for $\frac{1}{4}$ sec. cor., marked on brass cap,



No bearing trees available.
 Descend 31 ft., over N. slope, to
 49.05 South, or left rim of canyon, brs. E. and W. Enter mountainous land. Discontinue chaining, and triangulate across canyon, as follows:

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Chains.



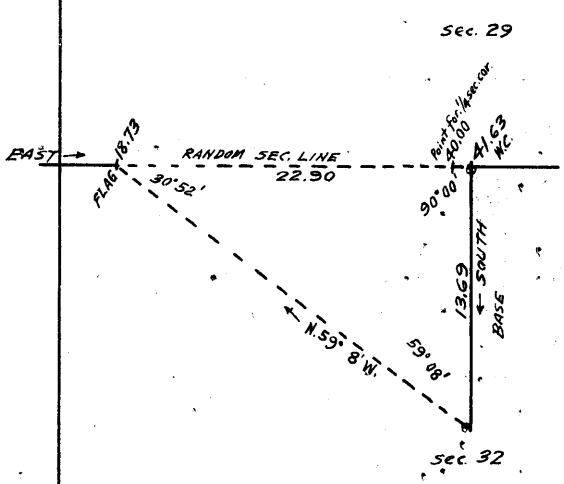
Measure a Base S. 55° 2' W., 10.00 chs.
 Set flag ahead on sec. line at N. or
 right rim of canyon.
 Vertical angle from NE. end of Base to
 flag is 0°.
 From SW. end of Base the flag brs.
 N. 14° 15' E.
 Dist. on sec. line = 49.05 chs.
 Dist. triangulated = 26.44 chs.
 Total distance, = 75.49 chs.

66.00 Approximate descent to bottom of canyon is 300 ft.
 (Approx.) Wash, 40 lks. wide, in bottom of canyon, course W.
 Ascend 300 ft. to
 75.49 Triangulation point at N. or right rim of canyon, brs. E.
 and W. Leave canyon. Enter nearly level land. Continue
 line and measurement by chaining.
 Ascend slightly to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., on ledge of
 rock, deposit a stone, marked with a cross (x) at base of
 post, and raise a mound of stone around post, for cor.
 of secs. 29, 30, 31 and 32, marked on brass cap,

T32N | R14W
 S30 | S29
 S31 | S32
 1922

No bearing trees available.
 Land, gently rolling, rolling, mountainous and nearly
 level.
 Soil, gravelly, 3rd rate.
 Timber, none.
 Undergrowth, black brush and cactus.

18.73 East, on a random line, bet. secs. 29 and 32.
 Top of cliff, 300 ft. high, brs. NE. and SW., forming W. or
 right rim of canyon. Discontinue chaining and trian-
 gulate across canyon, as follows:



Set flag at this point.
 From point ahead on random
 sec. line, beyond opposite
 rim of canyon, measure a
 Base, South, 13.69 chs.
 From S. end of Base, the
 flag brs. N. 59° 8' W.
 From N. end of base, the ver-
 tical angle to flag is +
 1 1/2°.
 Vertical angle from N. end
 of Base to bottom of can-
 yon is - 33°.
 Dist. on random sec. line
 = 18.73 chs.
 Dist. by triangu-
 lation
 = 22.90 chs.
 Total distance,
 = 41.63 chs.

40.00 Point for temp. 1/4 sec. cor. is inaccessible.
 41.63 Triangulation point. Set temp. witness cor. to 1/4 sec. cor.
 Continue line and measurement by chaining.
 79.96 Fall 26 lks. S. of the cor. of secs. 28, 29, 32 and 33.
 Thence,
 S. 89° 49' W., on a true line, bet. secs. 29 and 32.
 Over mountainous land, thru scattering timber and under-
 growth.
 Descend 38 ft., over W. and SW. slopes, to
 8.30 East, or right rim of gulch, brs. SE. and NW.

Survey of Subdivision lines of Township 32 North, Range 14 West. 45

Chains.

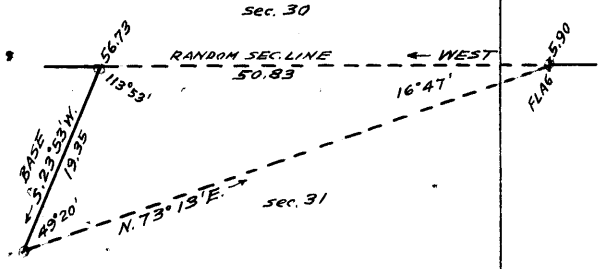
- 10.10 Descend 150 ft., over cliffs. Wash, 100 lks. wide in bottom of gulch, course N.45°W. Ascend 150 ft., to
- 12.00 West, or left rim of gulch, brs. SE. and NW. Leave gulch. Descend gradually over N. slope, to
- 38.34 Triangulation point; continue chaining. Descend over N. slope, to
- 39.68 Set an iron post, 3 ft. long, 1 in. in diam., 4 ins. in the ground to bed rock, deposit a stone, marked with a cross (x) at base of post, and raise a mound of stone, around post for witness cor. to the 1/4 sec. cor., marked on brass cap,

WC 1/4 S 29
 S 32
 1922

from which,
 A pinyon, 16 ins. in diam., brs. S.16°W., 131 lks. dist., marked WC 1/4 S32 BT.
 No other bearing trees available.

- 39.80 Continue chaining to East or left rim of canyon, brs. N.20°E. and S.20°W. Discontinue chaining. Measurement across canyon by triangulation, as hereinbefore described. Descend 635 ft., over precipitous NW. slope to bottom of canyon.
- 39.98 True point for 1/4 sec. cor. falls on cliffs, and is inaccessible.
- 54.80 (Approx.) Wash, 100 lks. wide, in bottom of canyon, course SW. Asc. 675 ft., over broken SE. slope, to
- 61.24 Triangulation point at top of cliff, 300 ft. high, bearing NE. and SW. facing SE., and forming W. or right rim of canyon. Leave canyon. Enter nearly level land. Continue line and measurement by chaining.
- 79.96 The cor. of secs. 29, 30, 31 and 32. Land, mountainous, broken and nearly level. Soil, gravelly and rocky, 3rd rate. Timber, cedar and pinyon. Undergrowth, black brush.

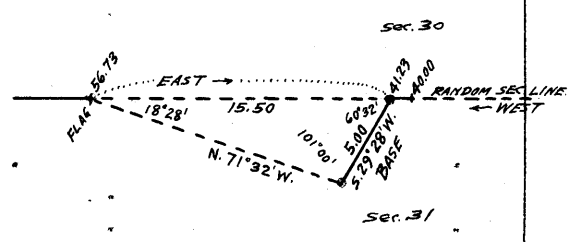
- 5.90 West, on random line, bet. secs. 30 and 31. North, or right rim of canyon, brs. NW. and SE. Discontinue chaining, and triangulate across canyon as follows: Set flag at this point.



- From point ahead on random line, on opposite rim of canyon, measure a Base S.23°53'W., 19.35 chs.
- From SW. end of Base, the flag brs. N.73°13'E.
- Vertical angle from NE. end of Base to flag is 0°.
- Dist. on random sec. line = 5.90 chs.
- Dist. triangulated = 50.83 chs.
- Total distance, = 56.73 chs.

To measure return distance to temp. 1/4 sec. cor., triangulate as follows:

- Set flag at 56.73 ch. station on random sec. line.
- From point on line East from flag measure a Base S.29°28'W., 5.00 chs.
- It is impracticable to chain a longer Base.
- From SW. end of Base, the flag brs. N.71°32'W.
- From NE. end of Base, the vertical angle to flag is + 28°.



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Chains.		
	Distance on random sec. line = 56.73 chs.	
	Triangulated return measurement = <u>15.50</u> chs.	
	Dist. W. on random sec. line = 41.23 chs.	
	From triangulation point at 41.23 ch. station on random sec. line, chain measurement East, 1.23 chs. to	
40.00	Set temp. $\frac{1}{4}$ sec. cor.	
56.73	Triangulation point. Continue line and measurement by chaining.	
78.45	Fall 3 lks. N. of the cor. of secs. 25, 30, 31 and 36 on W. bdy. of Tp., hereinbefore described.	
	Thence,	
	N. $89^{\circ}59'E.$, on a true line, bet. secs. 30 and 31.	
	Over gently rolling land, thru. scattering undergrowth.	
21.72	Triangulation point at S. or left rim of canyon, brs. S. and NW. Discontinue chaining. Enter mountainous land; measurement to $\frac{1}{4}$ sec. cor. by triangulation, hereinbefore described.	
	Descend 545 ft., over cliffs to	
37.22	Triangulation point. Chain measurement N. $89^{\circ}59'E.$, 1.23 chs., to	
38.45	Small spur in canyon side, slopes NE. Set an iron post, 3 ft. long, 1 in. in diam., 15 ins. in the ground to bed rock, supported in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,	
	$\frac{1}{4} \begin{array}{l} S 30 \\ S 31 \\ 1922 \end{array}$	
	No bearing trees available. Raise a mound of stone, 4 ft. base, 3 ft. high, N. of cor.	
58.00	Descend 175 ft., over steep broken NE. slope, to (Approx.) Wash, 150 lks. wide in bottom of canyon, course NW.	
	Ascend 720 ft. to	
72.55	Triangulation point at top of cliff 300 ft. high, bearing NW. and SE., forming North or right rim of canyon. Leave canyon; enter nearly level land.	
	Continue line and measurement by chaining.	
78.45	The cor. of secs. 29, 30, 31 and 32. Land, gently rolling, mountainous and nearly level. Soil, rocky, 4th rate. Timber, none. Undergrowth, black brush.	

	N. $0^{\circ}3'W.$, bet. secs. 29 and 30.	
	Over nearly level land, thru. dense undergrowth.	
	Ascend slightly over S. and SE. slopes, to	
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground, to bed rock, supported in a mound of stone for $\frac{1}{4}$ sec. cor., marked on brass cap,	
	$\frac{1}{4} \begin{array}{l} S 30 S 29 \\ 1922 \end{array}$	
	No bearing trees available.	
	Raise a mound of stone, 3 ft. base; $2\frac{1}{2}$ ft. high, W. of cor.	
	Continue over nearly level land.	
	Ascend slightly over SE. slope, to	
50.00	Enter rolling land.	
	Ascend 114 ft., over SE. slope.	
60.20	Top of ascent. Descend 100 ft., over NE. slope, to	
70.00	Ascend slightly, over E. slope, to	
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 30 ins. in the ground for cor. of secs. 19, 20, 29 and 30, marked on brass cap,	

Survey of Subdivision lines of Township 32 North, Range 14 West. 47

Chains.

T32N | R14W
S19 | S20
S30 | S29
1922

No bearing trees available. Raise a mound of stone, 4 ft. base, 3 ft. high, W. of cor. Land, rolling and nearly level. Soil, gravelly, 3rd rate. Timber, none. Undergrowth, black brush.

40.00
79.86

1.65
12.00
28.00
35.00
39.93

N. 89° 49' E., on a random line, bet. secs. 20 and 29. Set temp. 1/4 sec. cor. Fall 9 lks. N. of the cor. of secs. 20, 21, 28 and 29. Thence, S. 89° 53' W., on a true line, bet. secs. 20 and 29. Over mountainous land, thru. dense undergrowth. Descend 20 ft., over SW. slope. Wash, 20 lks. wide, course SE. Ascend 210 ft., over SE. slope. Spur, slopes S. Desc. 164 ft., over SW. slope. Draw, course SW. Enter rolling land. Ascend 20 ft., over SE. slope. Descend 29 ft., over S. slope, to Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for 1/4 sec. cor., marked on brass cap,

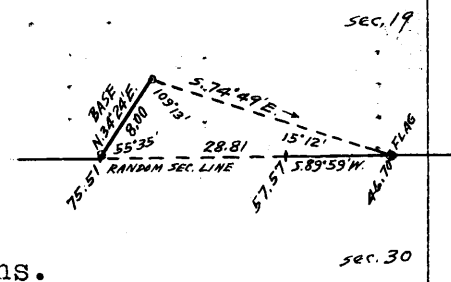
1/4 S 20
S 29
1922

58.35
64.35
75.85
79.86

No bearing trees available. Descend 135 ft., over SW. slope. Old road brs. N. and S. Wash, 10 lks. wide, course SW. Ascend 63 ft., over SE. slope. Point of short spur, slopes S. Descend 23 ft., over SW. slope, to The cor. of secs. 19, 20, 29 and 30. Land, mountainous and rolling. Soil, gravelly, 3rd rate. Timber, none. Undergrowth, black brush.

40.00
46.70
57.57

S. 89° 59' W., on a random line, bet. secs. 19 and 30. Set temp. 1/4 sec. cor. Set flag for triangulation, hereinafter described. East, or left rim of canyon, brs. NE. and SW. Discontinue chaining, and triangulate across canyon, as follows: From a point ahead on random sec. line at W. or right rim of canyon, measure a Base N. 34° 24' E., 8.00 chs. It is impracticable to chain a longer base. From NE. end of Base, the flag brs. S. 74° 49' E. Vertical angle from SW. end of Base to flag is - 5°. Dist. on random sec. line = 46.70 chs. Dist. by triangulation = 28.81 chs. Total distance = 75.51 chs. Triangulation point. Continue line and measurement by chaining. Fall 9 lks. N. of the cor. of secs. 19, 24, 25 and 30. on W.



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Chains.

bdy. of Tp., hereinbefore described,
 Thence,
 N. 89° 55' E, on a true line, bet. secs. 19 and 30.
 Over nearly level land, thru. scattering undergrowth.
 2.76 Triangulation point at W. or right rim of canyon, bearing
 NE. and SW. Enter mountainous land. Discontinue chain-
 ing, and triangulate as hereinbefore described.
 Descend 365 ft.
 8.00 (Approx.) Bottom of canyon, course S. from NE.
 Ascend 200 ft. to
 20.70 East or left rim of canyon, brs. NE. and SW. Leave canyon.
 Enter nearly level land.
 Ascend slightly over NW. slope to $\frac{1}{4}$ sec. cor., chaining
 measurement thereto.
 31.57 Triangulation point.
 38.27 Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 S 19
 S 30
 1922
 No bearing trees available. Raise a mound of stone, 4 ft.
 base, 3 ft. high, N. of cor.
 Continue over nearly level land, ascending slightly over
 NW. slope, to
 59.00 Enter rolling land. Asc. 105 ft., over NW. slope.
 69.50 Spur, slopes SW.
 Descend 98 ft., over SE. slope, to
 78.27 The cor. of secs. 19, 20, 29 and 30.
 Land, nearly level, mountainous and rolling.
 Soil, gravelly, 3rd rate.
 Timber, none.
 Undergrowth, black brush.

N. 0° 3' W., bet. secs. 19 and 20.
 Over mountainous land, thru. scattering undergrowth.
 Ascend 134 ft., over S. slope.
 10.80 Spur, slopes SW. Desc. 90 ft., over NW. slope.
 18.70 Draw, course W. Asc. 95 ft., over S. slope.
 25.80 Top of hill. Desc. 250 ft., over N. slope.
 38.00 Wash, 20 lks. wide, course NW. Old road in wash, brs. NW. and
 SE. Asc. slightly over W. slope, to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the
 ground to bed rock, deposit a stone, marked with a
 cross (x) at base of post, and raise a mound of stone
 around post for $\frac{1}{4}$ sec. cor., marked on brass cap,
 S 19 | S 20
 1922
 No bearing trees available.
 Thence over rolling land. Desc. 30 ft., over NW. slope, to
 45.50 Wash, 30 lks. wide, course W. Asc. 50 ft. over rolling W. slope
 to sec. cor.
 61.30 Wash, 10 lks. wide, course W.
 71.40 Wash, 20 lks. wide, course W.
 79.50 Wash, 10 lks. wide, course W.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in the
 ground to bed rock, deposit a stone, marked with a
 cross (x) at base of post, and raise a mound of stone
 around post, for cor. of secs. 17, 18, 19 and 20, marked
 on brass cap.

Survey of Subdivision lines of Township 32 North, Range 14 West. 49

Chains.

T32N	R14W
S18	S17
S19	S20
1922	

No bearing trees available.
 Land, mountainous and rolling.
 Soil, gravelly, 3rd rate.
 Timber, none.
 Undergrowth, black brush.

40.00 N. 89° 53' E., on a random line, bet. secs. 17 and 20.
 Set temp. 1/4 sec. cor.
 79.88 Fall 7 lks. N. of the cor. of secs. 16, 17, 20 and 21.
 Thence,
 S. 89° 56' W., on a true line, bet. secs. 17 and 20.
 Over mountainous land, thru. very scattering timber and
 scattering undergrowth.
 18.10 Descend 370 ft., over SW. slope, to
 Draw, 10 lks. wide, course SW.
 Ascend 26 ft., over SE. slope.
 27.50 Spur, slopes SW.
 Descend 130 ft., over SW. slope, to
 39.94 Set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in the
 ground to bed rock, deposit a stone, marked with a
 cross (x) at base of post, and raise a mound of stone
 around post, for 1/4 sec. cor., marked on brass cap,

1/4	S 17
	S 20
	1922

79.88 No bearing trees available.
 Descend 360 ft., over SW. slope, to
 The cor. of secs. 17, 18, 19 and 20.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, pinyon.
 Undergrowth, black brush, yucca and sagebrush.

40.00 S. 89° 55' W., on a random line, bet. secs. 18 and 19.
 Set temp. 1/4 sec. cor.
 78.31 Fall 19 lks. N. of the cor. of secs. 13, 18, 19 and 24, on W.
 bdy. of Tp., hereinbefore described.
 Thence,
 N. 89° 47' E., on a true line, bet. secs. 18 and 19.
 Over nearly level land, thru. scattering undergrowth.
 7.50 Enter rolling land. Desc. 92 ft., over SE. slope.
 26.20 Wash, 20 lks. wide, course S. into canyon.
 Ascend 28 ft., over SW. slope, to
 38.31 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in
 the ground to bed rock, deposit a stone, marked with
 a cross (x) at base of post, and raise a mound of stone
 around post, for 1/4 sec. cor., marked on brass cap,

1/4	S 18
	S 19
	1922

57.70 No bearing trees available.
 Descend 140 ft., over S. and SE. slopes.
 64.80 Old road, brs. N. and S.
 Wash, 30 lks. wide, course SW.
 Ascend 125 ft., over W. slope, to
 78.31 The cor. of secs. 17, 18, 19 and 20.
 Land, nearly level and rolling.
 Soil, gravelly, 3rd rate.

50 Survey of Subdivision lines of Township 32 North, Range 14 West.

Chains.

Timber, none.
Undergrowth, black brush and cactus.

N.0° 3'W., bet. secs. 17 and 18.
Over rolling land, thru. scattering undergrowth.
Ascend 30 ft., over W.slope.

4.50 Descend 23 ft. over W.slope.

10.00 Ascend 20 ft.

19.00 Descend 23 ft.

22.00 Wash, 30 lks. wide, course W.

Ascend gradually over W. and SW. slopes, to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,

S18 | S17

1922

No bearing trees available. Raise a mound of stone, 4 ft. base, 3 ft. high, W. of cor.

Ascend 53 ft., over SW.slope, to

46.20 Enter mountainous land. Asc. 105 ft., over SW.slopes

52.70 Top of hill, brs. NW. and SE.

Descend 175 ft., over NE. slope, to

60.00 Enter rolling land. Desc. 100 ft., over NE. and N.slopes.

77.70 Wash, 30 lks. wide, course W.

Ascend 8 ft., over W.slope, to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 20 ins. in the ground to bed rock, deposit a stone, marked with a cross (x) at base of post, and raise a mound of stone around post, for cor. of secs. 7, 8, 17 and 18, marked on brass cap,

T32N | R14W

S 7 | S 8

S18 | S17

1922

No bearing trees available.
Land, rolling and mountainous.
Soil, gravelly, 3rd rate.
Timber, none.
Undergrowth, black brush.

N.89° 56' E., on a random line, bet. secs. 8 and 17.

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

79.90 Fall 11 lks. S. of the cor. of secs. 8, 9, 16 and 17.

Thence,

S.89° 51' W., on a true line, bet. secs. 8 and 17.

Over mountainous land, thru. dense timber and undergrowth.

Descend 253 ft., over SW.slope.

10.00 Gulch, course NW. Ascend 5 ft., over N.slope.

11.00 Descend 75 ft., over N.slope, to

16.90 Spur, slopes NW.

Descend 340 ft., over SW.slope, to

32.00 Bottom of gulch, 25 lks. wide, course NW.

Descend 62 ft., over N.slope, to

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

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

S 17

1922

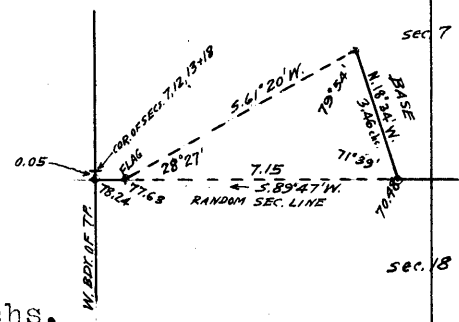
from which,
A pinyon, 8 ins. in diam., brs. N.74° E., 136 lks. dist., marked $\frac{1}{4}$ S 8 BT.

Survey of Subdivision lines of Township 32 North Range 14 West. 51

Chains.

A pinyon, 6 ins. in diam., brs. S. 40 lks. dist., marked $\frac{1}{4}$ S 17.BT.
 Descend 230 ft., over NW. slope.
 59.00 Wash, 20 lks. wide, course NW. from S. Enter rolling land.
 Descend 105 ft., over N. and NW. slopes to sec. cor.
 74.80 Old road, brs. NW and S.
 79.90 The cor. of secs. 7, 8, 17 and 18.
 Land, mountainous and rolling.
 Soil, gravelly, 3rd rate.
 Timber, pinyon and cedar.
 Undergrowth, black brush.

S. 89° 47' W., on a random line, bet. secs. 7 and 18.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 70.48 Top of cliffs, bearing NW. and SE., facing SW. Beyond this point, precipitous descent into canyon renders chaining impracticable; therefore, triangulate as follows:
 Measure a Base N. 18° 34' W., 3.46 chs. A longer Base is impracticable.
 Set flag ahead on line at foot of cliffs in bottom of canyon.
 From NW. end of Base, the flag brs. S. 61° 20' W.
 From SE. end of Base, the vertical angle to flag is - 29°.
 Dist. on random sec. line = 70.48 chs.
 Distance triangulated = 7.15 chs.
 Total distance = 77.63 chs.



77.63 Triangulation point. Continue line and measurement by chaining.
 78.24 Fall 5 lks. S. of the cor. of secs. 7, 12, 13 and 18, on W. bdy. of Tp., hereinbefore described.
 Thence, N. 89° 49' E., on a true line, bet. secs. 7 and 18.
 Over mountainous land, thru. scattering undergrowth.
 Descend 6 ft., over NE. slope.
 .60 Wash, 20 lks. wide, course NW. in bottom of canyon.
 .61 Triangulation point at foot of cliffs, bearing NW. and SE.
 Discontinue chaining. Measurement to top of cliffs by triangulation, hereinbefore described.
 Ascend 265 ft. to
 7.76 Triangulation point at top of cliffs, bearing NW. and SE., facing SW. Continue line and measurement by chaining.
 Ascend 54 ft., over SW. slope.
 10.00 Point of spur, slopes SW. Desc. 40 ft., over SE. slope.
 18.00 Wash, 20 lks. wide, in gulch, course SW.
 Ascend 100 ft., over W. slope, to
 23.24 Rim of gulch, brs. NE. and SE. Leave gulch. Enter rolling land.
 Ascend 33 ft., over NW. slope, to
 38.24 Set an iron post, 3 ft. long, 1 in. in diam., on ledge of rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 7
 S 18
 1922

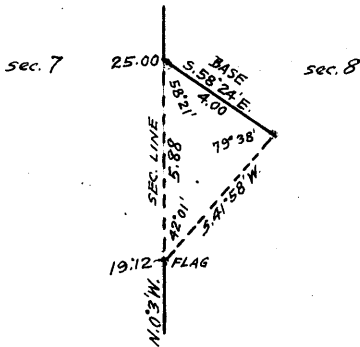
No bearing trees available.
 Continue over rolling land. Desc. 75 ft., over N. and NE. slopes.
 70.24 Wash, 20 lks. wide, course N.
 Ascend 95 ft., over W. slope to sec. cor.
 72.24 Trail, brs. N. and S.
 78.24 The cor. of secs. 7, 8, 17 and 18.

52 Survey of Subdivision lines of Township 32 North Range 14 West.

Chains.

Land, mountainous and rolling.
Soil, rocky and gravelly, 3rd rate.
Timber, none.
Undergrowth, black brush and cactus.

5.60 N.0°3'W., bet. secs. 7 and 8.
Over rolling land, thru scattering timber and undergrowth.
Descend 30 ft., over NW.slope.
Wash, 10 lks.wide, course SW. Old road brs.SE. and NE.
Ascend 20 ft., over SW.slope.
10.50 Descend 36 ft., over NW.slope, to
19.12 South or left rim of canyon, brs.E.and W. It is impracticable to chain measurement across canyon; therefore, triangulate as follows:



Set flag at this point.
From a point ahead on sec.line on N. rim of canyon, measure a Base S.58°24'E., 4.00 chs. along said rim.
From SE. end of Base, the flag brs.S.41°58'W.
From NW. end of Base, the vertical angle to flag is 0°
Dist.on sec.line = 19.12 chs.
Dist.triangulated = 5.88 chs.
Total distance = 25.00 chs.

21.50 The approximate descent to bottom of canyon is 200 ft.
(Approx.) Bottom of canyon, course W.
Ascend 200 ft., over precipitous SW.slope, to
25.00 Triangulation point at N. or right rim of canyon, brs.NW. and SE. Leave canyon. Enter nearly level land. Continue line and measurement by chaining.
Ascend 20 ft., over S.slope to ¼ sec.cor.
40.00 Set an iron post, 3 ft.long, 1 ins in diam., 16 ins. in the ground to bed rock, supported in a mound of stone, for ¼ sec.cor., marked on brass cap,

¼
S 7 | S 8
1922

from which,
A pinyon, 8 ins.in diam., brs.N.73°E., 135 lks. dist., marked ¼ S 8 BT.
A pinyon, 10 ins. in diam., brs.S.9½°W., 43 lks. dist., marked ½ S 7 BT.

Continue over nearly level land, thru. scattering timber and undergrowth.
Ascend slightly over S.slope, to
42.90 Enter mountainous land. Ascend 245 ft., over S.slope.
58.50 Top of hill. Desc. 141 ft., over N.slope, to
65.00 Enter rolling land. Desc. 60 ft., over NE.slope, to
80.00 Set an iron post, 3 ft.long, 2 ins. in diam., 30 ins. in the ground for cor.of secs. 5,6,7 and 8, marked on brass cap,

T32N | R14W
S 6 | S 5
S 7 | S 8
1922

No bearing trees available. Dig pits, 18x18x12 ins., one each NE., SE., SW. and NW. of cor., 3 ft. dist.
Land, rolling and mountainous.
Soil, gravelly, 3rd rate.
Timber, cedar and pinyon.
Undergrowth, black brush.

Survey of Subdivision lines of Township 32 North, Range 14 West. 53

Chains.

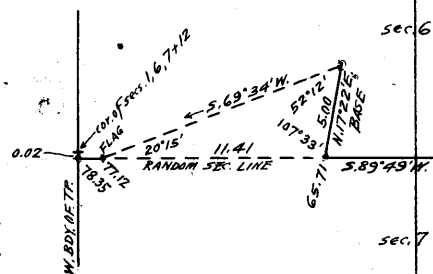
40.00 N.89°51'E., on a random line, bet. secs.5 and 8.
 Set temp. $\frac{1}{4}$ sec.cor.
 79.84 Fall 9 lks.N.of the cor.of secs.4,5,8 and 9.
 Thence,
 S.89°55'W., on a true line, bet. secs. 5 and 8.
 Over mountainous land, thru. scattering timber and under-
 growth.
 Descend 260 ft., over NW.slope.
 17.65 Wash,30 lks.wide, course NW. Enter rolling land.
 Ascend 15 ft.,over N.slope.
 25.00 Descend 50 ft., over N.and NW. slopes,to
 39.92 Set an iron post, 3 ft.long, 1 in. in diam.,30 ins. in
 the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap,

$\frac{1}{4}$ S 5
 S 8
 1922

from which,
 A pinyon,12 ins. in diam.,brs.N.74 $\frac{1}{2}$ °E.,282
 lks.dist., marked $\frac{1}{4}$ S 5 BT.
 A pinyon,10 ins.in diam.,brs.S.56 $\frac{1}{2}$ °E.,200
 lks.dist., marked $\frac{1}{4}$ S 8 BT.

47.00 Descend 43 ft., over NW.slope,to
 Wash,40 lks.wide, course N.
 Ascend 10 ft.,over NE.slope.
 51.55 Descend 75 ft.,over NW.slope.
 71.44 Old road, brs.N. and S.
 Ascend 20 ft.,over E.slope.
 79.84 The cor.of secs.5,6,7 and 8.
 Land,mountainous and rolling.
 Soil,gravelly, 3rd and 4th rate.
 Timber, cedar and pinyon.
 Undergrowth, black brush.

40.00 S.89° 49'W., on a random line, bet. secs.6 and 7.
 Set temp. $\frac{1}{4}$ sec.cor.
 65.71 Top of cliffs,bearing N. and S. facing W. Owing to pre-
 cipitous descent over the cliffs, chaining is imprac-
 ticable; therefore, triangulate as follows:
 Measure a Base,N.17°22'E.,5.00 chs.
 Set flag ahead on random sec.line
 at foot of cliffs.



From NE end of Base,the flag
 brs.S.69°34'W.
 From SW.end of Base,the vertical
 angle to flag is - 25°.
 Dist.on random sec.line = 65.71 chs.
 Dist. triangulated = 11.41 chs.
 Total distance = 77.12 chs.

77.12 Triangulation point. Continue line and measurement by
 chaining.
 78.35 Fall 2 lks.S.of the cor. of secs. 1,6,7 and 12,on W. bdy.
 of Tp., hereinbefore described.
 Thence,
 N.89°50'E., on a true line, bet. secs.6 and 7.
 Over mountainous land, thru. scattering timber and under-
 growth.
 Ascend slightly over W.slope,to
 1.23 Triangulation point at foot of cliffs, bearing NE, and SW.
 Discontinue chaining. Measurement to top of cliffs by
 triangulation as hereinbefore described.
 Ascend 352 ft.to
 12.64 Triangulation point at top of cliffs, bearing N. and S.,
 facing W. Continue line and measurement by chaining.
 Enter rolling land. Asc. 23 ft.over SW.slope.
 15.85 Descend 50 ft.,over SE.slope,to

54 Survey of Subdivision lines of Township 32 North, Range 14 West.

Chains.

- 27.80 West rim of gulch, brs.N, and S. Enter mountainous land. Descend 128 ft., over E.slope.
- 32.75 Wash, 50 lks.wide, in gulch, course S. Waterfall brs.S.10 lks. Asc. 68 ft., over SW. slope, to
- 38.35 Set an iron post, 3 ft.long, 1 in. in diam., 14 ins. in the ground to bed rock, deposit a stone, marked with a cross (x) at base of post, and raise a mound of stone around post, for $\frac{1}{4}$ sec.cor., marked on brass cap,

$\frac{1}{4}$ S 6
 S 7
 1922

No bearing trees available.

- 43.50 Ascend 65 ft., over SW.slope, to East rim of gulch, brs.NW, and SE. Leave gulch. Enter rolling land. Asc.gradually over SW and S.slopes.
- 73.50 Descend gradually over E.slope, to
- 78.35 The cor. of secs. 5, 6, 7 and 8. Land, mountainous and rolling. Soil, rocky, 3rd and 4th rate. Timber, cedar and pinyon. Undergrowth, black brush, Spanish bayonet and cactus.

N.0°3'W., on a true line, bet. secs.5 and 6.
 Over rolling land, thru. scattering undergrowth.
 Ascend 90 ft., over SE.slope.

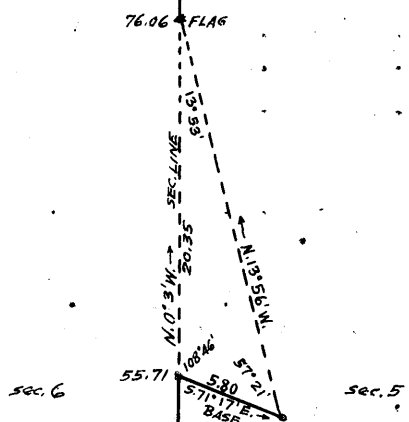
- 8.70 Descend 120 ft., over NE.slope, to
- 20.00 Enter nearly level land.

- 40.00 Descend slightly over N.slope, to Set an iron post, 3 ft.long, 1 in. in diam., 12 ins. in the ground to bed rock, deposit a stone, marked with a cross (x) at base of post, and raise a mound of stone around post for $\frac{1}{4}$ sec.cor., marked on brass cap,

$\frac{1}{4}$
 S 6 | S 5
 1922

No bearing trees available. Continue over nearly level land. Desc. slightly to

- 55.71 Top of cliffs, bearing E.and W., facing N., and forming the SW. or left rim of a canyon. Beyond this point, precipitous descent renders chaining impracticable; therefore, triangulate as follows:



Measure A Base, S.71°17'E., 5.80 chs.

It is impracticable to chain a longer Base.

Set flag ahead on sec.line.

From SE.end of Base, the flag brs. N.13°56'W.

From NW.end of Base, the vertical angle to flag is - 25°

Dist.on sec.line = 55.71 chs.

Dist.triangulated = 20.35 chs.

Total distance = 76.06 chs.

- 76.06 Triangulation point, 628 ft.below rim of canyon. Continue line and measurement by chaining.

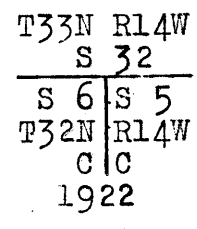
- 80.02 Descend 46 ft., over NE.slope, to Intersect the 8th Standard Parallel North, 12.92 chs.W.of the standard $\frac{1}{4}$ sec.cor.of sec.32, T.33 N., R.14 W., described in Book "E."

At point of intersection, set an iron post, 3 ft.long, 2 ins. in diam., 12 ins. in the ground to bed rock, deposit a stone, marked with a cross (x) at base of post, and

Survey of Subdivision lines of Township 32 North, Range 14 West. 55

Chains.

raise a mound of stone around post for closing cor. of secs. 5 and 6, marked on brass cap,



No bearing trees available.
 Land, rolling and mountainous.
 Soil, gravelly, 3rd rate.
 Timber, none.
 Undergrowth, black brush and cactus.

Final Field Test of Young & Sons Transit No. 8489, by D. R. Averill, U.S.S.

April 10, 1922: Examine the adjustment of the instrument, correct all errors, and test the solar as follows:
 At camp, near $\frac{1}{4}$ sec. cor. of secs. 14 and 15, T. 33 N., R. 14 W.; lat. $36^{\circ} 15\frac{1}{2}'$ N., long. $113^{\circ} 47'$ W., at 6h. 11. 1m. p.m., l.m.t., observe Polaris at western elongation, making four observations, two each with the telescope in direct and reversed positions, and mark the mean point in the line thus determined by a tack in a stake driven firmly in the ground, 5 chs. N.

Azimuth of Polaris at western elongation = $1^{\circ} 22' 43''$.

April 11, 1922: At 7h. 30m. a.m., l.m.t., lay off the azimuth of Polaris $1^{\circ} 22\frac{1}{2}'$ to the east, and mark a point in the meridian thus determined on a stake 5 chs. N.

At 8h. 00m. a.m., l.m.t., set off $36^{\circ} 15\frac{1}{2}'$ N. on the lat. arc; $8^{\circ} 12'$ N. on the decl. arc, and determine a meridian with the solar, which agrees with the true meridian.

At apparent noon, set off $8^{\circ} 15'$ N. on the decl. arc, and observe the sun on the meridian. The resulting reading of the lat. arc is $36^{\circ} 15\frac{1}{2}'$.

At 4h. 00m. p.m., l.m.t., set off $36^{\circ} 15\frac{1}{2}'$ N. on the lat. arc; $8^{\circ} 19\frac{1}{2}'$ N. on the decl. arc, and determine a meridian with the solar, which agrees with the true meridian.

From the results obtained by the tests described above, conclude that the instrument has been in satisfactory adjustment throughout the survey described in the foregoing field notes.

Final Field Test of Young & Sons Transit No. 8541, by William E. Hiester, U. S. Surveyor.

May 6, 1922: Examine the adjustment of the instrument, correct all errors, and test the solar as follows:

At Camp, in center of NW. $\frac{1}{4}$ of sec. 13, T. 32 N., R. 14 W., lat. $36^{\circ} 10\frac{1}{2}'$ N.; long. $113^{\circ} 45\frac{1}{2}'$ W., at 4h. 41. 3m. a.m., l.m.t., observe Polaris at eastern elongation, making four observations, two each with the telescope in direct and reversed positions, and mark the mean point in the line thus determined, by a tack in a stake driven firmly in the ground, 5 chs. N.

Azimuth of Polaris at eastern elongation = $1^{\circ} 22' 47''$.

At 7h.30m. a.m., l.m.t., lay off the azimuth of Polaris $1^{\circ}23'$ to the west, and mark a point in the meridian thus determined on a stake 5 chs. N.

At 8h.00m. a.m., l.m.t., set off $36^{\circ}10\frac{1}{2}'$ N. on the lat. arc; $16^{\circ}26\frac{1}{2}'$ N. on the decl. arc, and determine a meridian with the solar, which agrees with the true meridian.

At app. noon, set off $16^{\circ}29'$ N. on the decl. arc, and observe the sun on the meridian. The resulting reading of the lat. arc is $36^{\circ}10\frac{1}{2}'$ N.

At 4h.00m. p.m. l.m.t., set off $36^{\circ}10\frac{1}{2}'$ N. on the lat. arc; $16^{\circ}32'$ N. on the decl. arc, and determine a meridian with the solar, which agrees with the true meridian.

From the results obtained by the tests described above, conclude that the instrument has been in satisfactory adjustment throughout the survey described in the foregoing field notes.

The continued satisfactory adjustment of Young & Sons transit No. 8532 is indicated from field tests described in Book "H."

GENERAL DESCRIPTION.

The surface of this township is rough and mountainous, with the exception of scattered small areas of bench and mesa land, which is rolling or nearly level. Snap Canyon, course northerly, heads in sec. 24, and leaves the township on N. bdy. of sec. 2.

The western and southeastern parts are broken by several unnamed canyons.

The soil throughout the township is rocky, 4th rate, except in the northern and western parts, where there is considerable gravelly 3rd rate soil, and in secs. 1, 2, 32 and 33, where there is some 2nd rate soil.

The timber consisting of cedar and pinyons and juniper is confined mainly to the East and North halves of the township, where it occurs in both dense and scattering growths. There is very little timber in the southwest quarter of the township, the greater part of such portion being devoid of timber.

The undergrowth, consisting of black brush, sagebrush, greasewood, yucca, manzanita, scrub oak, Spanish bayonet and cactus is prevalent in all sections, being dense over most of the east half, and scattering over most of the west half of the township. There is no stream of permanent running water, and the only permanent spring is Snap Spring in the Snap Canyon in sec. 13.

There is no evidence of valuable mineral deposits.

There are no settlers, and the only improvements are a stock watering trough and corral at Snap Spring.

A road N. and S. traverses the W. $\frac{1}{2}$ of the Tp., a road from Snap Spring northerly follows bottom of Snap Canyon, and a road NW. thru. sec. 12, are the only roads in the township.

4-680

BOOK 6665

FIELD ASSISTANTS. to

Dupree R. Averill, U. S. Surveyor,

NAMES.	CAPACITY.
Henry Hiester,	1st chainman,
Hale Pearce,	2nd chainman.
LeGrande, Coates,	cornerman,
Thomas Lund,	axman,
Howard Engle,	axman,
George M. Tucker,	flagman.

BOOK 3635
58

CERTIFICATE OF UNITED STATES SURVEYOR.

I, Dupree R. Averill, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 73, Arizona bearing date of the 12th day of October, 1916, 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 32 NORTH, RANGE 14 WEST,

of the Gila and Salt River Base & Meridian, in the State of Arizona, which are represented in 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 73, Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Place ~ Redlands, Calif
Date ~ May 31, 1924.

Dupree R. Averill
U. S. Surveyor.

~~APPROVAL~~

~~OFFICE OF THE UNITED STATES SURVEYOR GENERAL~~

~~The foregoing field notes of the survey of~~

~~executed by~~

~~under his special instructions dated _____, 191____, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.~~

~~U. S. Surveyor General.~~

~~I certify that the foregoing transcript of the field notes of the above described surveys in _____ has been correctly copied from the original notes on file in this office.~~

~~U. S. Surveyor General.~~

4-680

FIELD ASSISTANTS. to

William E. Hiester, U. S. Surveyor.

NAMES.	CAPACITY.
John Boggs,	1st chairman,
Cray Fullerton,	2nd chairman,
Marion Snow,	cornerman,
Clarence Laub,	axman,
Earl Laub,	flagman.

BOOK 3635

60

CERTIFICATE OF UNITED STATES SURVEYOR.

I, William E. Hiester, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 73, Arizona, bearing date of the 12th day of October, 1916, 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 South boundary, West boundary and Subdivision lines of TOWNSHIP 32 NORTH, RANGE 14 WEST, of the Gila and Salt River Base and Meridian, in the State of Arizona, which are represented in 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 73, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Place: Phoenix, Arizona
 Date: May 15 1924

William E. Hiester
 U. S. Surveyor.

~~APPROVAL~~

~~OFFICE OF THE UNITED STATES SURVEYOR GENERAL~~

~~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~~

CERTIFICATE OF UNITED STATES SURVEYOR

TRANSITMAN

BOOK 3635

I, Benjamin J. Kinsey, U.S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 73, Arizona bearing date of the 12th day of October, 1916, 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 32 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 73, Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Place::: Lanfair, Calif.
Date::: June 11, 1924.

Benjamin J. Kinsey
U. S. Surveyor
Transitman

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, Sept. 20, 1924

The foregoing field notes of the survey of the South boundary,

West boundary, and

Subdivision lines of

TOWNSHIP 32 NORTH, RANGE 14 WEST,

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

executed by Dupree R. Averill, & William E. Hiester, U.S. Surveyors, and Benjamin J. Kinsey, U.S. Transitman, under his special instructions dated October 12, 1916, for Group 73, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Charles M. Donohoe
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.