

BOOK 3816

FIELD NOTES

OF THE SURVEY OF THE

Tenth Standard Parallel North thru Range 7 East

the South Boundary

East Boundary

and

Subdivision Lines of

Township 40 North, Range 7 East

and

Meanders of the Right & Left Banks of the Colorado River within

Township 40 North, Range 7 East

of the Gila and Salt River Base and Meridian,

In the State of ARIZONA

EXECUTED BY

William E. Hiester, U.S. Surveyor

and

Otis O. Gould, U.S. Transitman

In the capacity of U. S. Surveyor ~~S.~~, under Special Instructions dated April 23, 1926, issued by the ^{U.S.} District Cadastral Engineer to govern surveys included in Group No. 139, Arizona, which were approved by the Commissioner of the General Land Office, May 20, 1926, and Assignment Instructions dated Nov. 17, 1926 and Jan. 29, 1927.

Survey commenced December 13, 1926

Survey completed March 15, 1927

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1A

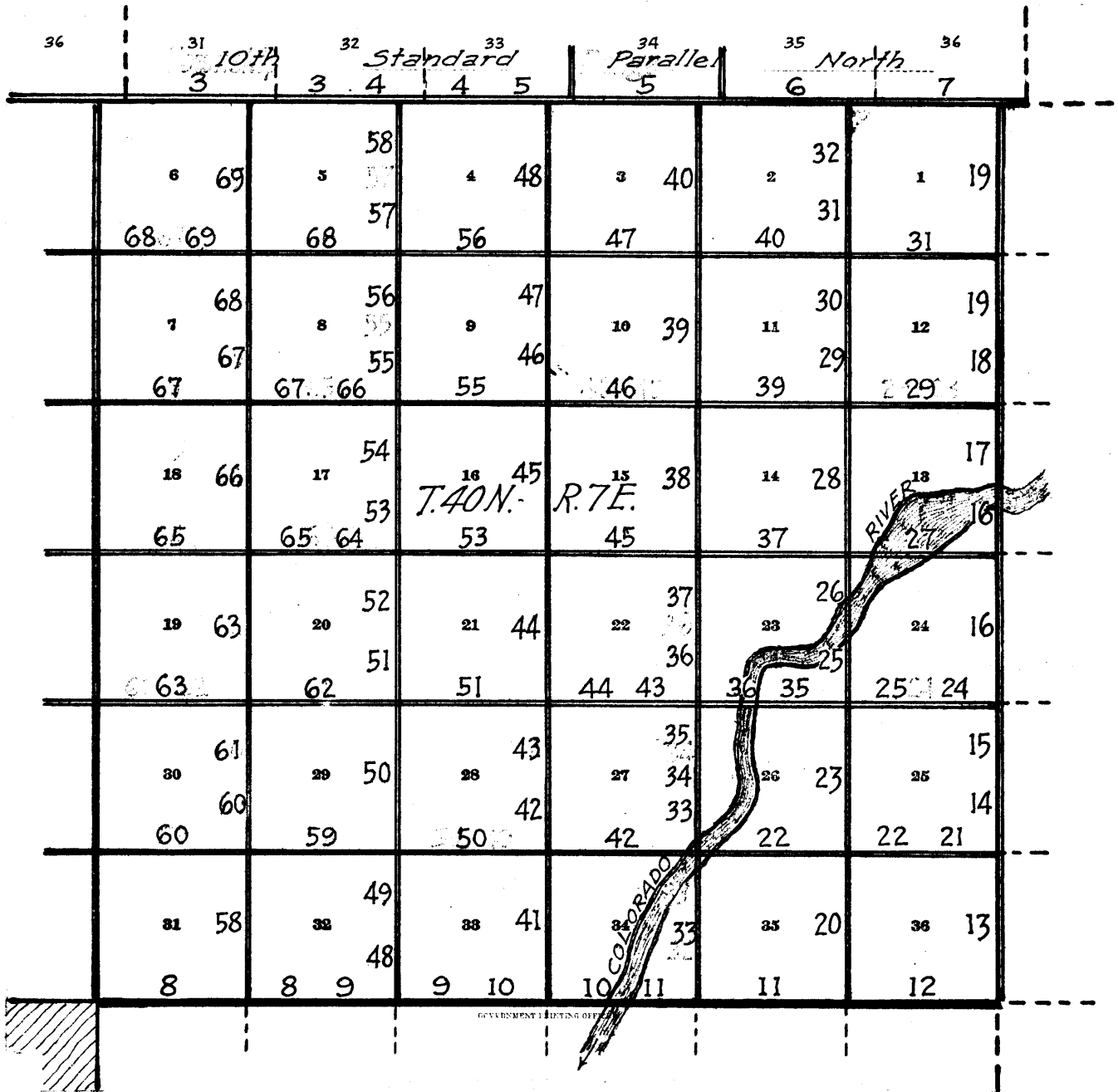
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BOOK 3816 Book "E"

Group 139 - Arizona

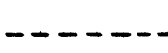
Index to Meanders-Right & Left Banks-Colo. River.		
Right Bank	in Secs. 13, 24, 23 and 26	Page 71
Right Bank	in Secs. 27 and 34	Page 72
Left Bank	in Secs. 34, 35, 26, 23 & 24	Page 73
Left Bank	in Section 13	Page 74


INDEX DIAGRAM.



 Surveyed under this group.

 Accepted surveys.

 Unsurveyed.

 Areas surveyed as per accepted plats on file.

DATE DIAGRAM

All lines surveyed in 1927 except S. bdy. of Section 31.

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

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

COLORADO RIVER

— Surveyed by Wm. E. Hiester, U.S.S., on dates shown thereon.

— Surveyed by Otis O. Gould, U.S.T., on dates shown thereon.

— Surveyed under this group. Notes and dates in other books.

Surveys herein described were executed by William E. Hiester and Otis O. Gould, U. S. Surveyor and U. S. Transitman, respectively, on dates shown on diagram on page 1 hereof, using Buff transits Nos. 9208 and 9305 respectively. Each of these instruments is equipped with U-shaped standards, $4\frac{1}{2}$ inch horizontal circle, 4 inch vertical circle and improved Smith solar attachment. Unless otherwise specified, all azimuth determinations are accomplished with the solar attachments.

Feb. 5, 1927: Examine the adjustments of the instruments and correct all errors then, to test the solar apparatus of each instrument by comparing its indications from observations made during a.m. and p.m. hours with a meridian established by Polaris observation, proceed as follows:

Feb. 5, 1927: At camp in NE $\frac{1}{4}$ of sec. 12, T. 40 N., R. 6 E., G. & S. R. Base and Meridian, Ariz., latitude $36^{\circ} 53' N.$, longitude $111^{\circ} 43' W.$, at 10 h. 30 m., p.m., l.m.t., observe Polaris at western elongation with transit 9208, 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 about 10 chs. N.

Azimuth of Polaris at western elongation = $1^{\circ} 21' 14''$.

Feb. 6, 1927: At 7 h. 30 m., a.m., lay off the azimuth of Polaris $1^{\circ} 21'$ to the east and mark the meridian thus determined by a tack in a stake driven firmly in the ground about 10. chs. N.

Feb. 6, 1927: At 8 h. 0 m., a.m., app. t., set off $36^{\circ} 53' N.$, on the lat. arcs, $15^{\circ} 44\frac{1}{2}' S.$ on the decl. arcs, and determine meridians with the solars, which agree with the true meridian.

At app. noon, with the lat. arcs unchanged, observe the sun on the meridian with both instruments and obtain a reading on each decl. arc of $15^{\circ} 42' S.$, which agrees with the calculated declination of the sun.

At 4 h. 0 m., p.m., app. t., with the lat. arcs unchanged, set off $15^{\circ} 38\frac{1}{2}' S.$ on the decl. arcs and determine meridians with the solars, which agree with the true meridian.

As all of the observations made during the usual hours of solar work come within $1\frac{1}{2}'$ of the true meridian, conclude that the adjustments of both instruments are in satisfactory condition.

Unless otherwise specified all measurements are made with Lallie steel tapes five-chains in length, compared with a Lufkin standard steel tape 1 chain in length, and found correct. The measurements are made on the slope, the vertical angles determined with a clinometer, and the slope measurements properly reduced to true horizontal distances for entry in the field notes.

Survey of 10th Standard Parallel North, thru R. 7 E.

Chains From the standard cor. of T. 41 N., Rs. 6 and 7 E., described in Book "D" of this group, East, on a tangent line, along S. bdy. of sec. 31. Over rolling land, thru scattering timber and undergrowth. Asc. 66 ft. over NW. slope.

9.00 Spur, slopes NE. Desc. 80 ft. over SE. slope.

28.00 Draw, course NE. Ascend 37 ft. over NW. slope to

40.00 N. from the tangent $\frac{1}{4}$ lk.
Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground, for standard $\frac{1}{4}$ sec. cor. of sec. 31, with brass cap marked

S C
 $\frac{1}{4}$ S 31
1927

From which

a cedar, 14 ins. in diam., bears N. $47\frac{3}{4}^{\circ}$ E., 150 lks. dist., marked $\frac{1}{4}$ S 31 S C B T.

a cedar, 18 ins. in diam., bears N. 74° W., 64 lks. dist., marked $\frac{1}{4}$ S 31 S C B T.

Asc. 89 ft. over NW. slope.

67.00 Desc. 37 ft. over NE. slope to

80.00 N. from the tangent 1 lk.

Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for standard cor. of secs. 31 and 32, with brass cap marked

S C
T 41 N R 7 E
S 31 | S 32
1927

From which

a cedar, 12 ins. in diam., bears N. $46\frac{1}{2}^{\circ}$ E., 170 lks. dist., marked T 41 N R 7 E S 32 S C B T.

a cedar, 16 ins. in diam., bears N. $41\frac{1}{2}^{\circ}$ W., 225 lks. dist., marked T 41 N R 7 E S 31 S C B T.

Land, rolling.

Soil, gravelly and rocky, 3rd and 4th rate.

Timber, cedar and pinon.

Undergrowth, soapweed and sage brush.

S. $89^{\circ} 59'$ E., on a tangent line, along S. bdy. of sec. 32. Over rolling land, thru scattering timber and undergrowth. Descend 70 ft. over NE. slope.

19.00 Asc. 30 ft. over NW. slope.

25.00 Desc. 38 ft. over SE. slope.

34.50 Enter mountainous land. Desc. 60 ft. over SE. slope to

40.00 N. from the tangent 2 lks.

Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground for standard $\frac{1}{4}$ sec. cor. of sec. 32, with brass cap marked

S C
 $\frac{1}{4}$ S 32
1927

From which

a pinon, 12 ins. in diam., bears N. $14\frac{3}{4}^{\circ}$ E., 116 lks. dist., marked $\frac{1}{4}$ S 32 S C B T.

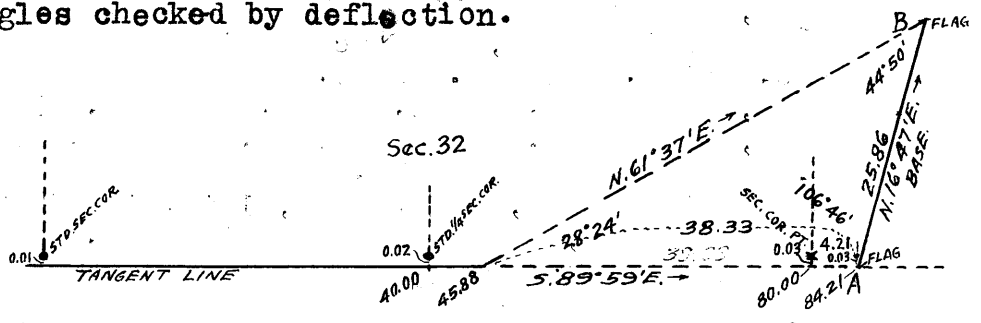
a pinon, 8 ins. in diam., bears N. $88\frac{3}{4}^{\circ}$ W., 131 lks. dist., marked $\frac{1}{4}$ S 32 S C B T.

Desc. 88 ft. over SE. slope to

45.88 Rim of Vermilion Cliffs, bears NE. and SW., facing SE. Triangulate across a canyon as follows: Set flag (A) ahead on tangent line. Vertical angle to flag (A) is $-25\frac{1}{2}^{\circ}$. From flag (A) measure a base N. $16^{\circ} 47'$ E., 25.86 chs., and set flag (B). From 45.88 ch. station

Survey of 10th Standard Parallel North, thru R. 7 E.

Chains on tangent line flag (B) bears N. 61° 37' E. All bearings checked by direct reading of the solar, and all angles checked by deflection.



Dist. by chaining = 45.88 chs., S. 89° 59' E.
 Dist by triangulation = 38.33 " " " "
 Total = 84.21 " " " "

or to a point on tangent line 3 lks. S. from 4.21 ch. station of S. bdy. of sec. 33.

70.00 (Approx). Bottom of canyon, course NE., about 1100 ft. below rim of Vermilion Cliffs. Ascend about 200 ft. over NW. slope to

80.00 N. from the tangent 3 lks. The true point for the standard cor. of secs. 32 and 33, falls on precipitous NW. slope in canyon, a place unsuitable to set monument. Establish W. C. at 4.21 chs. E.

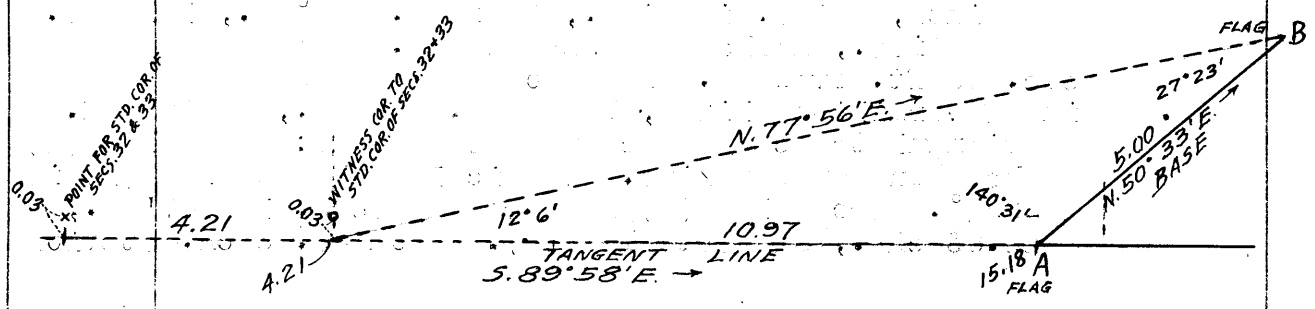
Land, mountainous.
Soil, rocky, 4th rate.
Timber, cedar and pinon.
Undergrowth, soap weed, sage brush and cactus.

From point on tangent line, 3 lks. S. of the true point for std. cor. of secs. 32 and 33. S. 89° 58' E., on a tangent line, along S. bdy. of sec. 33. Over rough mountainous land, in canyon, course NE. Asc. 100 ft. over NW. slope, measurement by triangulation to 4.21 N. from tangent 3 lks.

On ledge in cliffs, bearing NE. and SW. Set an iron post, 3 ft. long, 2 ins. 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 standard cor. of secs. 32 and 33, with brass cap mkd.

S C
 T 41 N R 7 E
 W C S 32 | S 33
 1927

Triangulate across cliffs as follows: across cliff to point: Set flag (A) ahead on tangent line at top of cliffs. Vertical angle to flag (A) is +17°. From flag (A) measure a base N. 50° 33' E., 5.00 chs., along top of cliff and set flag (B). From 4.21 ch. station on tangent line, flag (B) bears N. 77° 56' E. All bearings checked by direct reading of the solar, and all angles checked by deflection.



Survey of the 10th Standard Parallel North thru R. 7 East.

Chains	Dist. by previous triangulation = 4.21 chs. S. 89° 58' E. Dist. by this triangulation = 10.97 chs. S. 89° 58' E. Total 15.18 " " " " "
15.18	Triangulation point at top of cliff bearing NE. and SW., facing NW. Continue line and measurement by chaining. Desc. 42 ft. over N. slope to
23.40	Top of steep slope brs. NW. and SE. Desc. 220 ft. over broken NE. slope to
40.00	N. from the tangent 5 lks. Set an iron post 3 ft. long, 1 in. in diam., 28 ins. in the ground, for standard $\frac{1}{4}$ sec. cor. of sec. 33, with brass cap marked
	SC $\frac{1}{4}$ S 33 1927
	Raise a mound of stone, 3 ft. base 2 ft. high, N. of cor. Desc. 46 ft. over NE. slope to
41.49	Wash, 10 lks. wide, course NE. Asc. 180 ft. over NW. slope.
60.30	Spur, slopes NE. Desc. 40 ft. over E. slope to
63.07	Wash, 10 lks. wide, course NE. Desc. 195 ft. over NE. slope to
80.00	N. from the tangent 7 lks. Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground, for standard cor. of secs. 33 and 34 with brass cap marked
	SC T 41 N R 7 E $\frac{1}{4}$ S 33 S 34 1927
	Raise a mound of stone, 3 ft. base 2 ft. high, N. of cor. Land, mountainous. Soil, rocky, 4th rate. Timber, none. Undergrowth, sage and buckbrush.

	S. 89° 57' E., on tangent line, along S. bdy. of sec. 34. Over mountainous land, thru scattering undergrowth. Desc. 230 ft. over NE. slope.
20.20	SE. cor. of Wilson's cabin bears N. 3° 55' W.
23.72	Wash, 10 lks. wide, course NE. Desc. 120 ft. over NE. slope to
38.70	Wash, 10 lks. wide, 2 ft. deep, course NE. Asc. 20 ft. over NW. slope to
40.00	N. from the tangent 9 lks. Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for standard $\frac{1}{4}$ sec. cor. of sec. 34, with brass cap marked
	SC $\frac{1}{4}$ S 34 1927
	Raise a mound of stone 3 ft. base 2 ft. high, N. of cor. Asc. 24 ft. over NW. slope.
41.80	Point of spur slopes NE. Desc. 69 ft. over E. slope.
56.66	Paria Creek, 100 lks. wide, course SE. Asc. 155 ft. over steep rocky W. slope.
71.50	Trail, bears N. and S.
72.20	Point of spur, slopes S. Desc. 52 ft. over SE. slope.
73.86	Wash, 20 lks. wide, course SW. Asc. 160 ft. over W. slope to
80.00	N. from the tangent 12 lks. Set an iron post 3 ft. long, 2 ins. in diam., 20 ins. in the ground to bedrock and raise a mound of stone around post, for standard cor. of secs. 34 and 35 with brass cap marked

Survey of the 10th Standard Parallel North thru Range 7 East.

Chains Land, mountainous.

Soil, gravelly and rocky, 4th rate.

Timber, none.

Undergrowth, none.

S. 89° 56' E., on tangent line, along S. bdy. of sec. 36.
Over broken and rolling land, thru scattering undergrowth.
Desc. 160 ft. over E. and SE. slope to

40.00 N. from the tangent 23 lks.

Set an iron post 3 ft. long, 1 in. in diam., over a cross
(X) marked on surface rock, and raise a mound of stone
around post, for standard $\frac{1}{4}$ sec. cor. of sec. 36,
with brass cap marked

SC
 $\frac{1}{4}$ S 36
1927

56.50 Desc. 68 ft. over SE. slope to
Wash, 10 lks. wide, 3 ft. deep, course SE. Desc. 80 ft.
over SE. slope to

80.00 N. from the tangent 27 lks.

Set an iron post, 3 ft. long, 3 ins. in diam., 28 ins.
in the ground, for standard cor. of T. 41 N., Rs. 7
and 8 E., with brass cap marked

SC
T 41 N
R 7 E | R 8 E
S 36 | S 31
1927

Raise a mound of stone, 5 ft. base 3 ft. high, N. of cor.
Land, broken and rolling.
Soil, rocky, 4th rate.
Timber, none.
Undergrowth, black brush.

Survey of the South Boundary of T. 40 N., R. 7 E.

Chains The cor. of Tps. 39 and 40 N., Rs. 6 and 7 E., established in Jan. 1926, under group 126, Arizona, is an iron post 3 ins. in diam., projecting 30 ins. above ground firmly set in ground and mound of stone, and properly marked on brass cap. No accessories.

Thence, East, on a true line, bet. secs. 6 and 31. Over mountainous land, thru scattering undergrowth. Desc. slightly to

0.98 Head of draw, course SE. Desc. 280 ft. over SE. slope to
 23.66 Wash, 20 lks. wide, course SE. Asc. 144 ft. over SW. slope to

38.38 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 $\frac{1}{4}$ sec. cor. of secs. 6 and 31, with brass cap marked

$\frac{1}{4}$ $\frac{S\ 31}{S\ 6}$
 1927

Asc. 12 ft. over SW. slope.
 42.50 Spur, slopes SE. Desc. 125 ft. over E. slope.
 59.24 Wash, 20 lks. wide, 2 ft. deep, course SE. Asc, 44 ft. over SW. slope.

64.40 Spur, slopes SE. Desc. 207 ft. over E. slope to.
 78.38 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 5, 6, 31 and 32, with brass cap marked

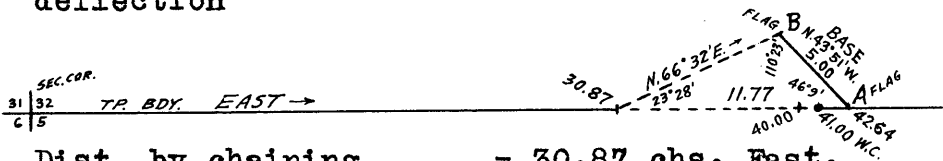
T 40 N R 7 E
 $\frac{S\ 31}{S\ 6} \mid \frac{S\ 32}{S\ 5}$
 T 39 N
 1927

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Land, rolling and mountainous. Soil, rocky, 4th rate. Timber, none. Undergrowth, black brush and cactus.

East, on a true line, bet. secs. 5 and 32. Over rolling and mountainous land. Desc. 23 ft. over SE. slope.

4.38 Wash, 20 lks. wide, course S.
 17.42 Desc. 106 ft. over E. slope.
 30.87 Top of precipitous bluff, brs. N. and S., facing E., on W. side of deep canyon, 100 ft. deep, course S., near head.

Triangulate across canyon as follows: Set flag (A) ahead on line. From flag (A) measure a base N. 43° 51' W., 5.00 chs. and set flag (B), which bears N. 66° 32' E., from 30.87 ch. station. All bearings checked by direct reading of the solar, and all angles checked by deflection



Dist. by chaining = 30.87 chs. East.
 Dist. by triangulation = 11.77 " "
 Total = 42.64 " "
 Dist. by return chaining = 1.64 " West
 41.00 " East

35.00 (Approx.) Bottom of canyon, course S. Asc. over precipitous SW. slope

Survey of the South Boundary of T. 40 N., R. 7 E.

Chains

40.00 The true point for the 1/4 sec. cor. of secs. 5 and 32 falls on steep SW. slope where it is impracticable to monument the 1/4 sec. cor., therefore establish witness cor. at 1.00 ch. E.

40.90 Top bluff, brs. NW. and SE., facing SW.

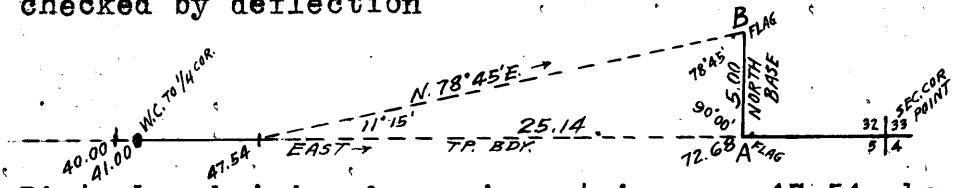
41.00 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to bed rock, deposit a stone marked with a cross (X) at base of post and raise a mound of stone around post, for witness cor. to 1/4 sec. cor. of secs. 5 and 32, with brass cap marked

W C 1/4 $\frac{S 32}{S 5}$
1927

42.64 Triangulation point. Continue chaining to

47.54 Top of precipitous bluff, brs. NE. and SW., facing SE. Discontinue chaining and triangulate across cliffs facing SE., as follows:

Set flag (A) ahead on Tp. bdy. From flag (A) measure a base North 5.00 chs. and set flag (B), which bears N. 78° 45' E., from 47.54 chs. station. All bearings checked by direct reading of the solar, and all angles checked by deflection



Dist. by chaining & previous triang. = 47.54 chs. East
Dist by this triangulation = 25.14 " "

Total 72.68 " "

72.68 Triangulation point. Thence continue line and measurement by chaining. Desc. 242 ft. over steep SE. slope to

80.00 The true point for cor. secs. 4, 5, 32 and 33 falls on steep SE. slope, where it is impracticable to monument said cor., therefore, establish witness cor. at 1.52 chs. East.

Land, rolling and mountainous.

Soil, rocky 4th rate.

Timber, none.

Undergrowth, black brush.

From true cor. point for cor. of secs. 4, 5, 32 and 33.

East, on a true line, bet. secs. 4 and 33.

Over mountainous land, Desc. 30 ft. over steep SE. slope to

1.52 Foot of steep slope brs. NE. and SW. Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground, for witness cor. to cor. of secs. 4, 5, 32 and 33, with brass cap marked

T 40 N R 7 E
W C $\frac{S 32 | S 33}{S 5 | S 4}$
T 39 N
1927

Raise a mound of stone, 3 ft. base 2 ft. high, W. of cor.

Enter rolling land. Desc. 80 ft. over SE. slope to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor. of secs. 4 and 33, with brass cap marked

1/4 $\frac{S 33}{S 4}$
1927

Survey of the South Boundary of T. 40 N., R. 7 E.

Chains Raise a mound of stone, 3 ft. base 2 ft. high, N. of cor. Desc. gradually over SE. slope to sec. cor.
 68.40 Road bears NE. to Lee's Ferry and SW. to Kanab, Utah.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. secs. 3, 4, 33 and 34, with brass cap marked

T 40 N R 7 E
 S 33 | S 34
 S 4 | S 3.
 T 39 N
 1927

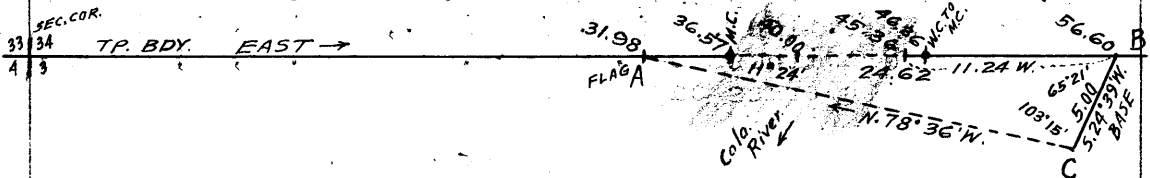
Dig pits 18 x 18 x 12 ins., one each NE., SE., SW. and NW. of post 3 ft. dist.
 Land, mountainous and rolling.
 Soil, rocky, 4th rate.
 Timber, none.
 Undergrowth, none.

East, on a true line, bet. secs. 3 and 34.
 Over rolling land. Desc. gradually over SE. slope.
 12.00 Wash, 20 lks. wide, course NE. Ascend gradually over W. slope.
 31.98 Set flag (A) for triangulation across Colorado River Canyon.
 32.22 W. rim of the Colorado River Canyon, bears N. and S. Desc. 461 ft. over precipitous E. slope to
 36.57 Right bank of Colorado River, brs. NE. and SW., at mean high water mark.
 Set an iron post 3 ft. long, 2 ins. 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 meander cor. of fracl. secs. 3 and 34 with brass cap marked

T 40 N
 R. 7 E
 S 34
 S 3 M C
 T 39 N
 1927

Discontinue chaining and triangulate across river, as follows:

From a point (B) ahead on Tp. bdy. measure a base S. 24° 39' W., 5.00 chs. to point (C), from which flag (A) at 31.98 ch. station brs. N. 78° 36' W. All bearings checked by direct reading of the solar, and all angles checked by deflection



Dist. by chaining	=	31.98	chs.	East
Dist. by triangulation	=	24.62	"	"
Total		56.60	"	"
Dist. by return chaining	=	11.24	"	West
Dist. to left bank of Colo. R.	=	45.36	"	East

40.00 True point for 1/4 sec. cor. of secs. 3 and 34 falls in water of Colorado River, course SW.
 45.36 Point for meander cor. of frac. secs. 3 and 34, at left bank of the Colorado River, bearing NE. and SW., at mean high water mark falls in a position where it is impracticable to monument said M.C., therefore establish witness cor. at 1.00 ch. E. Continue line and measurement by chaining. Asc. 460 ft. over precipi-

Survey of the South Boundary of T. 40 N., R. 7 E.

Chains tous NW. slope to
 46.36 E. rim of the Colorado River Canyon, bears NE. and SW.
 Set an iron post, 3 ft. long, 2 ins. 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 meander cor. of fract. secs. 3 and 34,
 with brass cap marked

W C	T 40 N
	R 7 E
	S 34
M C	S 3
	T 39 N
	1927

49.10 Desc. 35 ft. over NE. slope
 Wash, 20 lks. wide, course NW. Ascend 107 ft. over SW.
 slope to

56.60 Triangulation point. Continue chaining. Enter gently
 rolling land and scattering undergrowth. Asc. gradual-
 ly over NW. slope to sec. cor.

60.44 Wash, 30 lks. wide, 1 ft. deep, course NW.

80.00 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, with
 brass cap marked

T 40 N	R 7 E
S 34	S 35
S 3	S 2
	T 39 N
	1927

Dig pits, 18 x 18 x 12 ins. one each NE., SE., SW. and
 NW. of post, 3 ft. dist.

Land, rolling and mountainous.

Soil, rocky, 4th rate.

Timber, none.

Undergrowth, black brush and cactus.

 East, on a true line, bet. secs. 2 and 35. Over rolling
 land, thru scattering undergrowth. Asc. gradually over
 NW. slope

4.95 Desc. 28 ft. over NE. slope.

8.80 Wash, 30 lks. wide, 6 ft. deep, course NW. Asc. 30 ft.
 over SW. slope to

9.50 Rim bears NW. and SE. Thence over nearly level land.

16.20 W. rim of canyon, brs. NW. and SE, Enter mountainous
 land. Desc. 97 ft. over NE. slope.

17.48 Bottom of canyon, 50 lks. wide, course NW.

Asc. 57 ft. over SW. slope to

21.00 E. rim of canyon, brs. NW. and SE. Enter gently rolling
 land. Asc. 40 ft. over NW. slope to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in
 the ground, for the 1/4 sec. cor. secs. 2 and 35 with
 brass cap marked.

1/4	S 35
	S 2
	1927

Dig pits 18 x 18 x 12 ins., one each E. and W. of post
 3 ft. dist. Asc. gradually over NW. slope to sec. cor.

57.30 Road, bears NE. to Lee's Ferry and SW. to Flagstaff, Ariz.

64.10 Wash, 30 lks. wide, 1 ft. deep, course NW.

69.75 Wash, 50 lks. wide, 4 ft. deep, course NW.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in
 the ground for cor. secs. 1, 2, 35 and 36 with brass
 cap marked

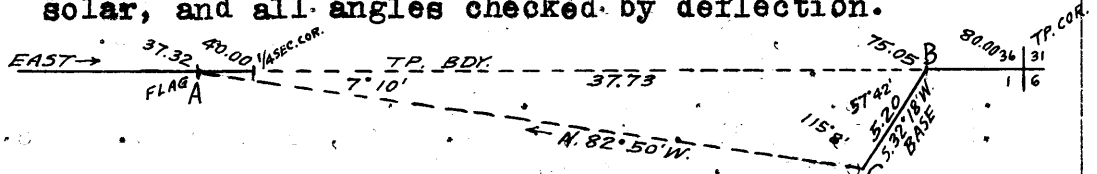
T 40 N	R 7 E
S 35	S 36
S 2	S 1
	T 39 N
	1927

Survey of the South Boundary of T. 40 N., R. 7 E.

- Chains Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Land, rolling, mountainous and nearly level. Soil, rocky, 4th rate. Timber, none. Undergrowth, shadscale and cactus.
-
- East, on a true line, bet. secs. 1 and 36. Over rolling land, thru scattering undergrowth. Asc. slightly to
- 3.10 Wash, 10 lks. wide 2 ft. deep, course NW. Asc. 56 ft. over NW. slope to
 - 20.48 Wash, 15 lks. wide 2 ft. deep, course NW. Asc. 30 ft. over NW. slope to
 - 26.30 Wash, 30 lks. wide 2 ft. deep, course NW. Enter mountainous land. Asc. 60 ft. over SW. slope to
 - 32.00 Same wash, 20 lks. wide, course SW. Asc. 172 ft. over steep W. slope to
 - 37.32 Top of steep slope bears NE. and SE. Set a flag (A) for triangulation hereinafter described. Continue chaining to 1/4 sec. cor. Over rolling land, on bench. Asc. gradually 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 a mound of stone around post, for 1/4 sec. cor. of secs. 1 and 36, with brass cap marked

1/4 $\frac{S\ 36}{S\ 1}$
1927

Discontinue chaining at this 1/4 sec. cor., and triangulate measurement across cliffs ahead as follows:
 From a point ahead (B) on Tp. bdy. at top of cliffs, measure a base S. 32° 18' W., 5.20 chs. to point (C). From (C) the flag (A) on Tp. bdy. at 37.32 ch. station, bears N. 82° 50' W. Vertical angle from (B) to (A) is -29°. All bearings checked by direct reading of the solar, and all angles checked by deflection.



Dist. by chaining	= 37.32 chs. East.
Dist. by triangulation	= 37.73 " "
Total	75.05 " "

- 75.05 Triangulation point at top of precipitous cliff bearing N. and SW., 1200 ft. above the 1/4 sec. cor. of secs. 1 and 36. Continue line and measurement by chaining. Asc. 55 ft. over W. slope to
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., (no 3 in. post available) on surface rock, and raise a mound of stone around post, for cor. of Tps. 39 and 40 N., Rs. 7 and 8 E., with brass cap marked

T 40 N
R 7 E | R 8 E
 $\frac{S\ 36}{S\ 1}$ | $\frac{S\ 31}{S\ 6}$
T 39 N
1927

From which

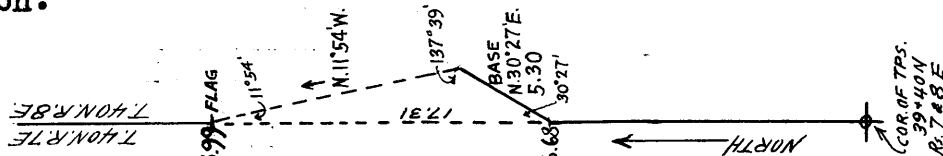
- A pinon, 10 ins. in diam., bears N. 11° E., 185 lks. dist., marked T 40 N R 8 E S 31 B T.
- A pinon, 10 ins. in diam., bears S. 21° E., 101 lks. dist., marked T 39 N R 8 E S 6 B T.
- A pinon, 6 ins. in diam., bears S. 19 1/2° W., 65 lks. dist., marked B T only (tree partly dead).
- A pinon, 6 ins. in diam., bears N. 3 1/2° W., 119 lks. dist., marked B T only.

Land, rolling and mountainous. Soil, rocky 4th rate. Timber, cedar and pinon, in E. 5 chs., none elsewhere. Undergrowth, black brush and cactus.

Survey of the East Boundary of T. 40 N., R. 7 E.

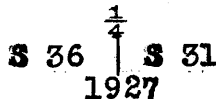
Chains From the cor. of Ts. 39 and 40 N., Rs. 7 and 8 E., here-
inbefore described. North, on a true line, bet. secs.
31 and 36. Over mountainous land, thru scattering
timber and undergrowth. Desc. 97 ft. over W. and NW.
slopes to

16.68 Top of precipitous bluff bearing NE. and SW.
Discontinue chaining and triangulate over precipitous
broken slopes in the head of a canyon, as follows:
Set flag ahead on Tp. bdy., the vertical angle to which
is $-24\frac{1}{2}^{\circ}$. From 16.68 ch. station measure a base N.
 $30^{\circ} 27' E.$, 5.30 chs. From NE. end of base the flag
bears N. $11^{\circ} 54' W.$ All bearings checked by direct
reading of the solar, and all angles checked by deflec-
tion.

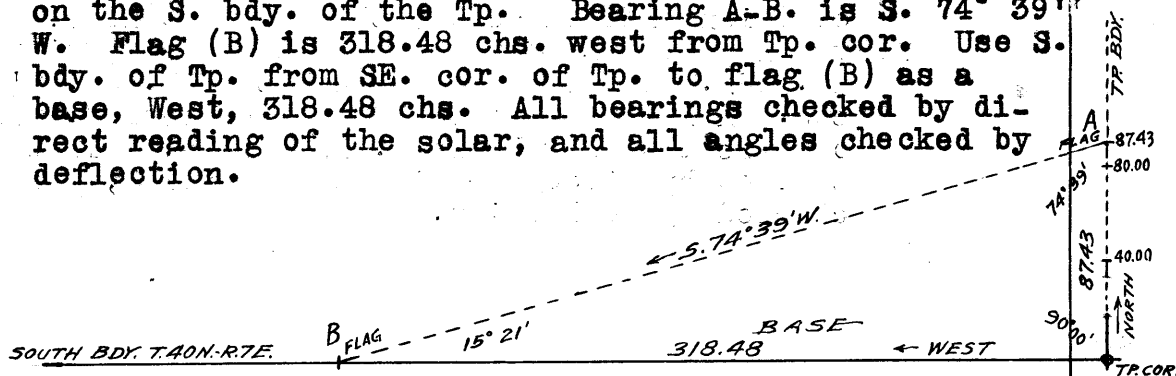


Dist. by chaining	=	16.68	Chs. North
Dist. by triangulation	=	17.31	" "
Total	=	33.99	" "

Desc. about 500 ft. over N. slope.
30.00 (Approx.) Wash, 30 lks. wide, course NE., in bottom of
canyon. Asc. about 150 ft. over steep SE. slope to
33.99 Triangulation point. Continue line and measurement by
chaining. Desc. 30 ft. over NE. slope to
40.00 Set an iron post 3 ft. long, 1 in. in diam., 20 ins. in
the ground to bedrock and raise a mound of stone
around post, for $\frac{1}{4}$ sec. cor. secs. 31 and 36 with
brass cap marked



Raise a mound of stone, 3 ft. base 2 ft. high, W. of cor.
Discontinue chaining and triangulate across bluffs as
follows: Set a flag (A) ahead on Tp. bdy., and another
flag (B) on W. C. to cor. of secs. 4, 5, 32 and 33
on the S. bdy. of the Tp. Bearing A-B. is S. $74^{\circ} 39' W.$
W. Flag (B) is 318.48 chs. west from Tp. cor. Use S.
bdy. of Tp. from SE. cor. of Tp. to flag (B) as a
base, West, 318.48 chs. All bearings checked by di-
rect reading of the solar, and all angles checked by
deflection.



Dist. by triangulation from Tp. Cor.=87.43 chs. North.
50.00 (Approx.) Gulch, course SE. Asc. about 600 ft. over pre-
cipitous broken SW. slope to
80.00 The true point for cor. secs. 25, 30, 31 and 36 falls on
steep rocky SW. slope where it is inaccessible and
can not be monumented, therefore establish witness cor.
at 7.58 chs. N.

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

Survey of the East Boundary of T. 40 N., R. 7 E.

Chains From the true point for cor. of secs. 25, 30, 31 and 36. North, on a true line, bet. secs. 25 and 30, measurement of 7.43 chs. by triangulation described in notes of preceding mile. Over mountainous land.

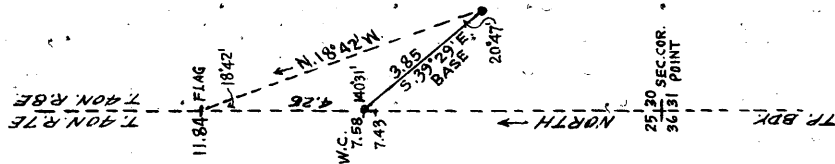
7.43 Asc. about 150 ft. over SW. slope of cliffs to Triangulation point. Continue line and measurement by chaining.

7.58 Set an iron post, 3 ft. long 2 ins. 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 cor. of secs. 25, 30, 31 and 36, with brass cap marked

T 40 N	
R 7 E	R 8 E
S 25	S 30
S 36	S 31
WC	
1927	

Discontinue chaining and triangulate across cliffs as follows:

Set flag ahead on line, the vertical angle to which is +27°. From W. C. measure a base S. 39° 29' E., 3.85 chs. From SE. end of base the flag bears N. 18° 42' W. All bearings checked by direct reading of the solar, and all angles checked by deflection

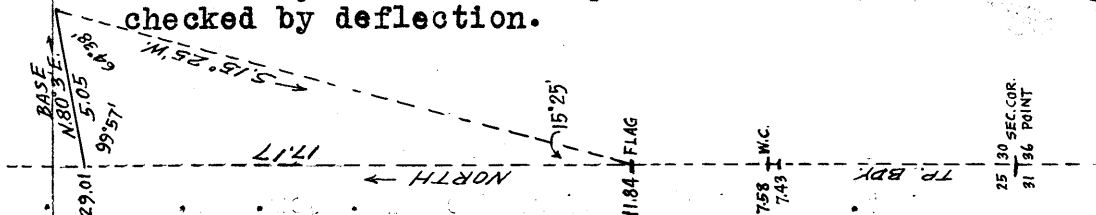


Dist. by previous triangulation and chaining = 7.58 chs. North
 Dist. by this triangulation = 4.26 " "
 Dist. from sec. cor. point = 11.84 " "

11.84 Flag point of above described triangulation at top of cliff, 127 ft. high.

Chaining being impracticable N. of this point make another triangulation across cliffs as follows:

Leave flag at this point and proceed to a point ahead on Tp. bdy. from which measure a base N. 80° 3' E., 5.05 chs. A longer base could not be secured. From E. end of base the flag bears S. 15° 25' W. All bearings checked by direct reading of the solar, and all angles checked by deflection.



Dist. by previous triangulations = 11.84 Chs. North
 Dist. by this triangulation = 17.17 " "
 Total = 29.01 " "

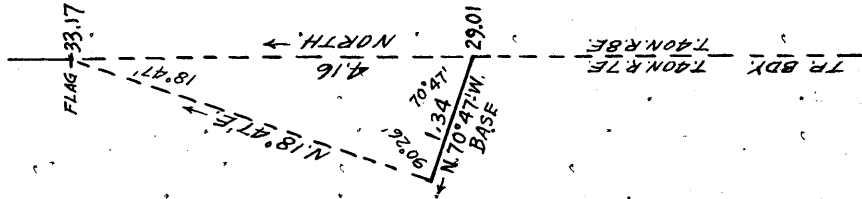
29.01 Triangulation point of above described triangulation, about 350 ft. below flag point.

Chaining beyond this point is impracticable owing to precipitous cliffs, therefore triangulate again as follows:

From this station measure a base N. 70° 47' W., 1.34 chs. A longer base is impracticable. Set flag on Tp. bdy. at top of cliff and bearing N. 18° 47' E. from NW. end of base. All bearings checked by direct reading of the solar, and all angles checked by deflection.

Survey of the East Boundary of T. 40 N., R. 7 E.

Chains



Dist. by previous triangulations = 29.01 chs. North.
 Dist. by this triangulation = 4.16 " "
 Total dist. = 33.17 " "

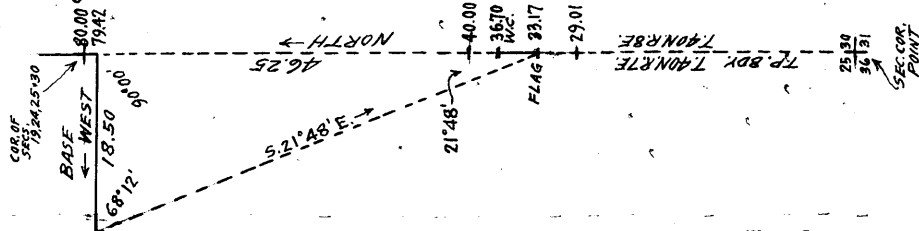
33.17 Flag point of above described triangulation at top of cliff about 150 ft. above 29.01 ch. station. Continue line and measurement by chaining. Desc. 123 ft. over N. slope to

36.70 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 1/4 sec. cor. of secs. 25 and 30, with brass cap marked



Discontinue chaining at this point owing to cliffs ahead, and triangulate as follows.

Proceed to a point ahead on Tp. bdy. beyond and near foot of cliffs, and measure a base West 18.50 chs. From W. end of base, flag at 33.17 ch. station of this mile of Tp. bdy. brs. S. 21° 48' E. All bearings checked by direct reading of the solar, and all angles checked by deflection.

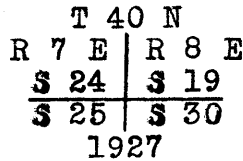


Dist. by previous triangulations = 33.17 chs. North.
 Dist. by this triangulation = 46.25 " "
 Total dist. = 79.42 " "

40.00 The true point for the 1/4 sec. cor. of secs. 25 and 30 falls on N. face of cliff, where a monument cannot be set, therefore, establish witness cor. at 3.30 chs. S. as hereinbefore described.

79.42 Triangulation point of above described triangulation, about 975 ft. below the W. C. to 1/4 sec. cor. Continue line and measurement by chaining. Desc. 10 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 and raise a mound of stone around post, for cor. of secs. 19, 24, 25 and 30, with brass cap marked

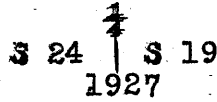


Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
 Land, mountainous.
 Soil, rocky 4th rate.
 Timber, none.
 Undergrowth, none.

Survey of the East Boundary of T. 40 N., R. 7 E.

Chains North, on true line, bet. secs. 19 and 24.
Over rough mountainous land, thru scattering undergrowth.
Desc. 532 ft. over NE. slope.

30.10 Wash, course E. Asc. 70 ft. over S. slope to
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
the ground, for $\frac{1}{4}$ sec. cor. of secs. 19 and 24, with
brass cap marked

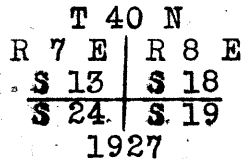


Raise a mound of stone, 4 ft. base 3 ft. high, W. of cor.
Asc. 16 ft. over S. slope.

42.80 Spur, slopes E. Desc. 344 ft. over N. slope to
57.12 Wash, 10 lks. wide, 2 ft. deep, course NE.

Desc. 33 ft. over E. slope to
59.12 Same wash, course NW. Desc. 420 ft. over NW. slope to
73.14 Same wash, course NE. Asc. 20 ft. over SE. slope.

77.00 Desc. 60 ft. over E. slope to
80.00 Set an iron post, 3 ft. long 2 ins. in diam., 26 ins. in
the ground, for cor. of secs. 13, 18, 19 and 24 with
brass cap marked



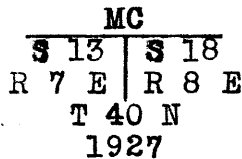
Raise a mound of stone, 4 ft. base 3 ft. high, W. of cor.
Land, mountainous.
Soil, rocky 4th rate.
Timber, none.
Undergrowth, black brush.

North, on a true line, bet. secs. 13 and 18.
Over rough mountainous land.
Asc. 9 ft. over SE. slope.

0.40 Point of spur, slopes NE. Desc. 53 ft. over N. slope.
3.10 Wash, 20 lks. wide, course SE. Asc. 73 ft. over SE. slope.

10.01 Trail, bears E. and W.
11.00 Rim, bears E. and W. Desc. 133 ft. over N. slope.
21.21 Road, bears E. to Lee's Ferry and W. to Flagstaff, Ariz.

23.36 Intersect left bank of the Colorado River, at mean high
water mark, bearing NW. and SE. At this point of
intersection
Set an iron post 3 ft. long, 2 ins. in diam., 26 ins. in
the ground for meander cor. of secs. 13 and 18, with
brass cap marked

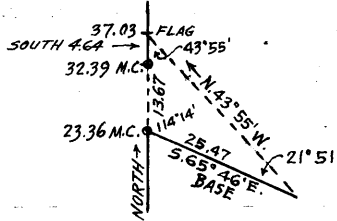


Raise a mound of stone, 3 ft. base 2 ft. high, S. of cor.
From this meander cor., a large boulder 6 ft. in diam.,
on the left bank of the Colorado River, with a 3 ins.
brass cap embedded in concrete bears N. 65° 58' W.,
3.68 chs. dist., marked U. S. Geological Survey Gaug-
ing station.

SE. cor. of a concrete tower near ladder 6 x 20
ft. high, bears N. 64° 12' W., 3.57 chs. dist.

Survey of the East Boundary of T. 40 N., R. 7 E.

Chains Discontinue chaining at this M. C. and triangulate across Colorado River, as follows:
 Set a flag ahead on Tp. bdy. From M. C. measure base S. $65^{\circ} 46'$ E., 25.47 chs. From SE. end of base flag brs. N. $43^{\circ} 55'$ W.



Dist. by chaining = 23.36 chs. North
 Dist. by this triangulation = 13.67 " "
 Sec. cor. to flag point = 37.03 " "
 Dist. by return chaining = 4.64 " South
 Sec. cor. to right bank of Colorado River 32.39 " North

32.39 Right bank of Colorado River, at mean high water mark. Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for meander cor. of fracl. secs. 13 and 18 with brass cap marked

T 40 N
 R 7 E | R 8 E
 S 13 | S 18
 MC
 1927

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

Continue line and measurement, by chaining.

36.39 Road, bears E. to Lee's Ferry and W. to Kanab, Utah.

37.03 Flag point of above described triangulation. Continue chaining.

39.20 Trail, bears NW. and SE.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. of secs. 13 and 18, with brass cap marked

S 13 | S 18
 1927

Raise a mound of stone, 4 ft. base 3 ft. high, W. of cor. From this $\frac{1}{4}$ sec. cor., springs and cabins at Lee's Ferry in sec. 18, T. 40 N., R. 8 E., bear as follows:

Seepage Spring, brs. S. $68^{\circ} 12'$ E., 45.63 chs. dist.
 Spring N. of cabin bears S: $66^{\circ} 10'$ E., 49.53 chs. dist.
 Spring in concrete box bears S: $67^{\circ} 18'$ E., 48.15 chs. dist.
 SW. cor. of Log House, bears S. $65^{\circ} 39'$ E., 49.72 chs. dist.

Asc. 40 ft. over SW. slope to

43.10 Wash, 10 lks. wide, 2 ft. deep, course SW.

46.20 Same wash, 20 lks. wide, 6 ft. deep, course SE.

58.00 Wash, 20 lks. wide 6 ft. deep, course SW. Asc. 325 ft. over steep rocky SW. slope to

77.44 Set an iron post, 3 ft. long, 2 ins. in diam., over a cross (X) marked on surface rock, and raise a mound of stone around post, for witness cor. to cor. of secs. 7, 12, 13 and 18 with brass cap marked

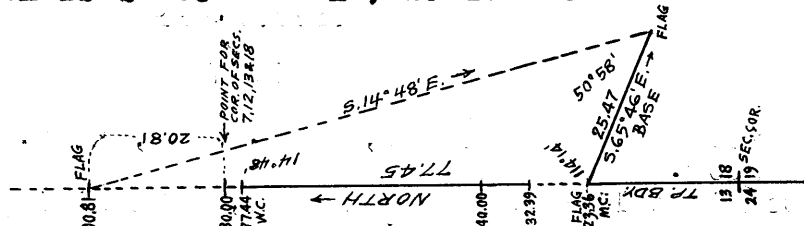
WC
 T 40 N
 R 7 E | R 8 E
 S 12 | S 7
 S 13 | S 18
 1927

. Survey of the East Boundary of T. 40 N., R. 7 E.

Chains Chaining beyond this W. C. is impracticable.
80.00 The true point for cor. of secs, 7, 12, 13 and 18 falls on face of cliff where it is inaccessible and cannot monumented, therefore establish witness cor. at 2.56 chs. S. as hereinbefore described.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, none.
 Undergrowth, willow.

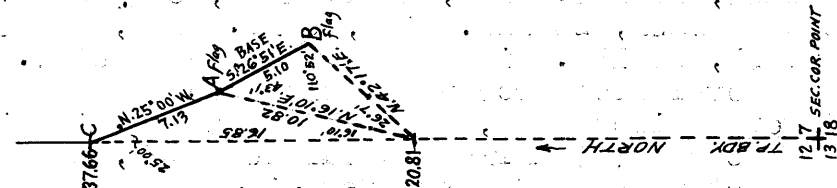
 From true point for cor. of secs. 7, 12, 13 and 18. North, on a true line, bet. secs. 7 and 12. Over rough mountainous land, measurement by triangulation as follows:

From a point on Tp. bdy. bet. secs. 7 and 12 on top of a spur sloping SW., a flag at the M.C. on the left bank of the Colorado River is visible, also a flag set at the SE. end of the base of the triangulation made in preceding mile for measurement across the Colorado River. The latter flag bears S. 14° 48' E. The line bet. the flags or base of this and previous triangulation is S. 65° 46' E., 25.47 chs.



Dist. from cor. of secs. 13, 18, 19 and 24 to W. end of base	=	23.36	chs.	North
Dist. by this triangulation	=	77.45	"	"
Dist. from cor. of secs. 13, 18, 19 and 24 to triangulation point	=	100.81	"	"
Between secs. 13 and 18	=	80.00	"	"
Dist. from point for cor. of secs. 7, 12, 13 and 18 to triang. point	=	20.81	"	"

6.00 (Approx.) Gulch, course SW.
20.81 Triangulation point, about 1000 ft. above sec. cor. point
 Chaining is impracticable beyond this point owing to cliffs, therefore obtain measurement by a traverse triangulated and chained as follows:
 Set a flag (A) N. 16° 10' E. from 20.81 ch. station, and a flag (B) at a point N. 42° 17' E. from same station. The bearing between the flags is S. 26° 51' E., and the distance measured by chaining is 5.10 chs. The computed distance from 20.81 ch. station on Tp. bdy. to flag (A) is 10.82 chs. From flag (A) chain measurement N. 25° W., 7.13 chs. to point (C).



From sec. cor. pt. to beginning of traverse	=	20.81	chs.	North
Traverse	=	16.85	"	"
From sec. cor. point to end of traverse	=	37.66	"	"
37.66 Traverse point at top of cliff bearing NW. and SE., facing SW. Continue measurement on Tp. bdy. by chaining. Asc. 15 ft. over SW. slope to				
40.00 Set an iron post, 3 ft. long, 1 in. in diam., over a				

Survey of the East Boundary of T. 40 N., R. 7 E.

Chains cross (X) marked on surface rock, and raise a md. of stone around post, for $\frac{1}{4}$ sec. cor. of secs. 7 and 12, with brass cap marked

$\frac{1}{4}$
 S 12 | S 7
 1927

- Asc. 87 ft. over SW. slope.
- 49.40 Top of rocky ridge bears NW. and SE.
Desc. 376 ft. over NE. slope.
- 73.88 Wash, 20 lks. wide 4 ft. deep, course NE.
Asc. 192 ft. over SE. slope to
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., over a cross (X) marked on surface rock, and raise a mound of stone around post, for cor. of secs. 1, 6, 7 and 12, with brass cap marked

T 40 N
 R 7 E | R 8 E
 S 1 | S 6
 S 12 | S 7
 1927

Land, mountainous.
Soil, rocky, 4th rate.
Timber, none.
Undergrowth, none.

North, on a true line, bet. secs. 1 and 6. Over rough mountainous land, thru scattering undergrowth.

- Asc. 40 ft. over SE. slope.
- 1.60 Top of rocky spur, slopes E. Desc. 24 ft. over NE. slope.
- 6.75 Wash, 20 lks. wide course E. Asc. 111 ft. over S. slope.
- 14.40 Spur, slopes E. Desc. 163 ft. over N. slope.
- 24.40 Wash, 20 lks. wide, course E. Asc. 56 ft. over S. slope.
- 30.90 Spur, slopes E. Desc. 157 ft. over N. slope.
- 35.16 Wash, 30 lks. wide, course E. Asc. 76 ft. over S. slope to
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., over a cross (X) marked on surface rock, and raise a mound of stone around post, for $\frac{1}{4}$ sec. cor. of secs. 1 and 6, with brass cap marked

$\frac{1}{4}$
 S 1 | S 6
 1927

- Asc. 58 ft. over SE. slope.
- 42.00 Top of sandstone bluff, brs. NW. and SE. facing NE.
Desc. 143 ft. over NE. slope.
- 52.24 Wash, 10 lks. wide course SE. Enter rolling land. Asc. slightly over SW. slope.
- 54.00 Low spur, slopes E. Desc. 61 ft. over N. slope.
- 74.20 Wash, 10 lks. wide, 1 ft. deep course SE. Asc. 40 ft. over SE. slope to
- 80.64 Intersect the 10th Standard Parallel North, at a point 15.33 chs. W. of the standard cor. of T. 41 N., Rs. 7 and 8 E., hereinbefore described.

At point of intersection,
Set an iron post 3 ft. long, 3 ins. 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 closing cor. of T. 40 N., Rs. 7 and 8 E., with brass cap marked,

T 41 N R 7 E
 S 36
 S 1 | S 6
 R 7 E | R 8 E
 T 40 N
 CC
 1927

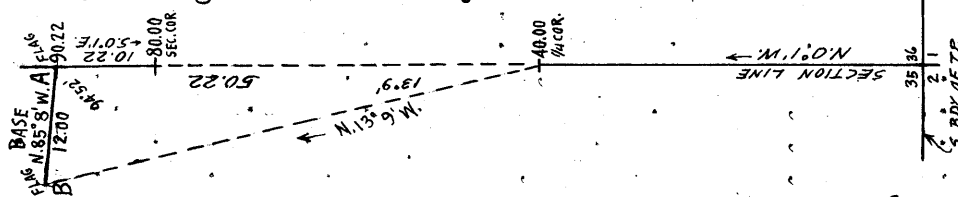
Land, mountainous and rolling. Soil, rocky, 4th rate.
Timber, none. Undergrowth, grass, cactus, and black brush.

Survey of the Subdivisional Lines of T. 40 N., R. 7 E.

Chains From the cor. of secs. 1, 2, 35 and 36, on S. bdy. of Tp., hereinbefore described.
 N. 0° 01' W., on a true line, bet. secs. 35 and 36.
 Over rolling land, thru scattering undergrowth.
 Desc. slightly over NW. slope to
 1.40 Wash, 10 lks. wide, 4 ft. deep, course NW. Desc. 41 ft. over NW. slope to
 9.36 Wash, 30 lks. wide, 3 ft. deep, course NW. Asc. 82 ft. over gradual SW. slope to
 37.00 Enter mountainous land. Asc. 67 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, 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. of secs. 35 and 36 with brass cap marked

$\frac{1}{4}$
 § 35 | § 36
 1927

Beyond this $\frac{1}{4}$ sec. cor. the line crosses a series of gulches course W., and steep broken spurs. Discontinue chaining and triangulate measurement of N. $\frac{1}{2}$ of line bet. secs. 35 and 36, as follows:
 Set a flag (A) at a point ahead on line, and another flag (B) at a point N. 13° 9' W., from this $\frac{1}{4}$ sec. cor. Bearing of the Base A-B between the flags is N. 85° 8' W., and the chained length of same is 12 chs. All bearings checked by direct reading of the solar, and all angles checked by deflection.



Dist. by chaining	=	40.00	chs.	N. 0° 1' W.
Dist. by triangulation	=	50.22	"	" " " "
Total dist. to flag (A)	=	90.22	"	" " " "
Dist. by return chaining	=	10.22	"	S. 0° 1' E.
Dist. to sec. cor. point	=	80.00	"	N. 0° 1' W.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 25, 26, 35 and 36, with brass cap marked

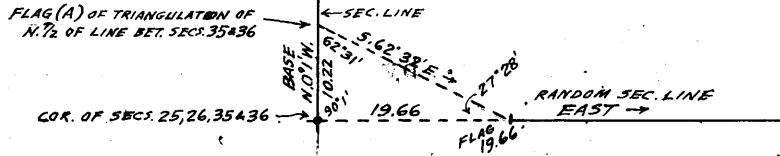
T 40 N R 7 E
 § 26 | § 25
 § 35 | § 36
 1927

Raise a mound of stone, 3 ft. base, 2 ft. high W. of cor. Land, rolling and mountainous.
 Soil, rocky, 4th rate.
 Timber, none.
 Undergrowth, black brush and cactus.

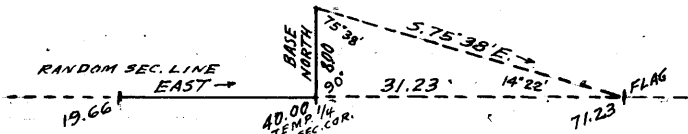
East, on random line, bet. secs. 25 and 36.
 Cliffs ahead render chaining impracticable, therefore triangulate as follows:
 Set flag ahead at top of cliffs. Vertical angle = +20°. From flag point (A) of the triangulation described in notes of line bet. secs. 35 and 36, this flag bears S. 62° 32' E. Base for this triangulation is 10.22 chs. N. 0° 1' W., on sec, line bet. secs. 25 and 26. All bearings checked by direct reading of solar, and all angles checked by deflection

Survey of the Subdivisional Lines of T. 40 N., R. 7 E.

Chains

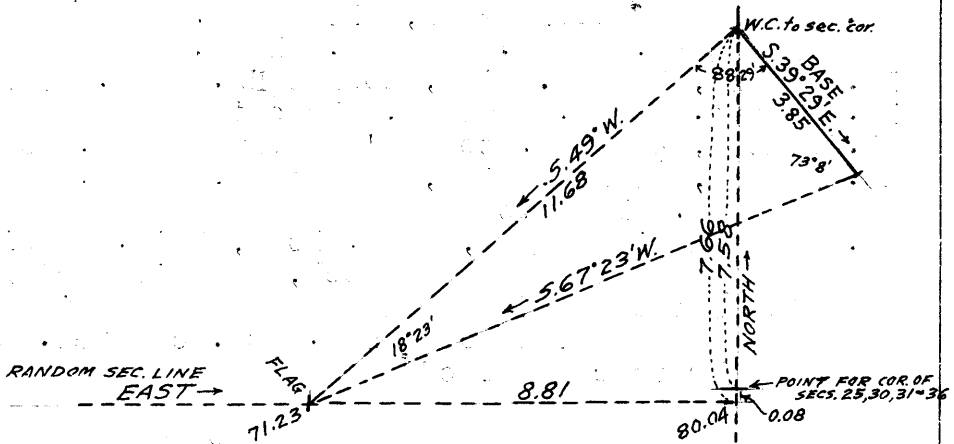


19.66 Dist. by triangulation = 19.66 chs. East.
 19.66 Flag point of above described triangulation.
 Continue line and measurement by chaining.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 Discontinue chaining owing to cliffs ahead and triangulate as follows:
 Set flag ahead on random line, the vertical angle to which is $+27^\circ$. From temp. $\frac{1}{4}$ sec. cor. measure a base, North, 8.00 chs. From N. end of base, flag brs. S. $75^\circ 38'$ E. All bearings checked by direct reading of solar and all angles checked by deflection



Dist. to temp. $\frac{1}{4}$ sec. cor. = 40.00 chs. East.
 Dist. by this triangulation = 31.23 " "
 Dist. sec. cor. to flag = 71.23 " "
 71.23 Flag point of above described triangulation.
 The remainder of the random sec. line passes over cliffs, and the objective sec. cor. is inaccessible, therefore, triangulate measurement to the W. C. to cor. of secs. 25, 30, 31 & 36, on E. bdy., as follows:

Leave flag at this station on random sec. line, and proceed to the W. C. to cor. of secs. 25, 30, 31 and 36. Use same base as used for triangulation of part of E. bdy. bet. secs. 25 & 30, as hereinbefore described. This base is S. $39^\circ 29'$ E., 3.85 chs. from W. C. From W. C. the flag at 71.23 ch. station on random sec. line, brs. S. 49° W. From SE. end of base, flag brs. S. $67^\circ 23'$ W. All bearings checked by direct reading of solar, and all angles checked by deflection.



Dist. triangulated, flag to W.C. = 11.68 chs. N. 49° E., the latitude and departure of which are 7.66 chs. N., and 8.81 chs. E., respectively.
 Dist. on random sec. line to flag = 71.23 chs. East.
 Departure of triangulated traverse = 8.81 " "
 Total length of random sec. line = 80.04 " "
 The W. C. being 7.58 chs. N. from sec. cor. point, and the northing of the traverse being 7.66 chs. the falling of the random line is therefore 8 lks. S. of true point for sec. cor.

80.04 Fall 8 lks. S. of true point for cor. of secs. 25, 30, 31 and 36 on the E. bdy. of the Tp., witnessed 7.58 chs. N. as hereinbefore described.
 From sec. cor. point,
 S. $89^\circ 57'$ W., on true line, bet. secs. 25 and 36.
 Over mountainous land, broken by cliffs on E. side of

Survey of Subdivisional Lines of T. 40 N., R. 7 E.

Chains	Colorado River. Measurement of 8.81 chs. by triangulated traverse, herein- before described.
8.81	Triangulation point at top of cliff, bearing N. & S., facing W. Continue line and measurement by another triangulation to $\frac{1}{4}$ sec. cor.
40.02	Descend about 900 ft. over W. faces of cliffs to Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in ground to bedrock, deposit a stone mkd. with a cross (X) at base of post and raise a md. of stone around post for $\frac{1}{4}$ sec. cor. of secs. 25 and 36, with brass cap marked
	$\frac{1}{4}$ $\frac{S\ 25}{S\ 36}$ 1927
	Continue line and measurement by chaining. Descend 296 ft. over W. slope.
54.43	Wash, 10 lks. wide, course NW. Ascend 30 ft. over NE. slope to
60.38	Top of cliff, bearing N. and SW., facing W. Discontinue chaining. Measurement of remainder of line by triangulation, hereinbefore described.
80.04	Desc. 480 ft. over precipitous W. slope to The cor. of secs. 25, 26, 35 and 36. Land, mountainous. Soil, rocky, 4th rate. Timber, none. Undergrowth, black brush and cactus.

	West, on a true line, bet. secs. 26 and 35. Over rolling land, thru scattering undergrowth. Desc. 35 ft. over W. slope.
5.00	Wash, 20 lks. wide course SW. Asc. 30 ft. over SE. slope.
9.77	Point of rocky spur, slopes SW. Desc. 69 ft. over SW. slope.
15.40	Wash, 10 lks. wide, course NW. Asc. 20 ft. over NE. slope
18.50	Desc. 80 ft. over NW. slope
25.60	Road, bears N. to Lee's Ferry and SE. to Flagstaff, Ariz.
28.05	Wash, 30 lks. wide, course NW. Desc. gradually over NW. slope to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to bed rock, deposit a stone marked with a cross (X) at base of post and raise a md. of stone around post for $\frac{1}{4}$ sec. cor. of secs. 26 and 35, with brass cap marked
	$\frac{1}{4}$ $\frac{S\ 26}{S\ 35}$ 1927
	Desc. gradually over NW. slope.
53.25	Desc. 75 ft. over SW. slope.
56.00	Wash, 30 lks. wide, in gulch, course NW. Asc. 75 ft. over NE. slope.
59.70	Desc. 108 ft. over NW. slope to
74.50	East rim of lower canyon of the Colorado River, bet. NE. and SW. Desc. 200 ft. over cliffs facing NW.

Survey of Subdivision Lines of T. 40 N., R. 7 E.

chains
75.55

intersect the East or left bank of the Colorado River, bearing NE. & SW. at mean high water mark. At point of intersection, set an iron post, 3 ft. long, 2 ins. 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 meander cor. of secs. 26 and 35, with brass cap marked,

T40N
S26

MC / S35
R7E
1927

80.00 Discontinue chaining at this cor.
The true point for cor. of secs. 26, 27, 34 & 35 falls in the Colorado River, course SW.

Land, rolling and mountainous.
Soil, rocky, 4th rate.
Timber, none.
Undergrowth, black brush and cactus.

2.66 From cor. of secs. 25, 26, 35 & 36,
N. 0° 1' W., on true line, bet. secs. 25 & 26.
Over mountainous land, thru scattering undergrowth.
Wash, 20 lks. wide, course SW.
Asc. 170 ft. over S. slope.

10.22 Rocky spur, slopes W. Desc. 266 ft. over NW. slope.

28.00 Wash, 50 lks. wide, course NW. Asc. 85 ft. over SW. slope.

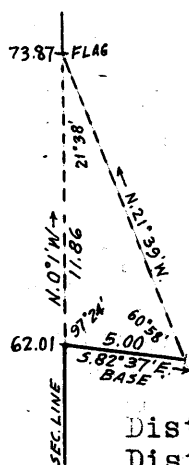
32.00 Spur, slopes NW. Desc. 75 ft. over N. slope.

39.00 Wash, 10 lks. wide, course NW. Asc. slightly over SW. slope.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in ground to bedrock, 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. of secs. 25 & 26, with brass cap marked,

1/4
S26 | S25
1927

46.85 Asc. 65 ft. over SW. slope.
61.80 Desc. 100 ft. over W. and NW. slopes to
62.01 Wash, 50 lks. wide, course W. Asc. slightly over S. slope to
Foot of cliffs bearing E. & W., facing S. Chaining beyond this point is impracticable, therefore triangulate as follows:



Measure a Base, S. 82° 37' E., 5.00 chains.
Set flag ahead on sec. line at top of cliffs.
From East end of Base the flag bears N. 21° 39' W.
All bearings checked by direct reading of the solar, and all angles checked by deflection.

Dist. by chaining	=	62.01	chs.	N. 0° 1' W.
Dist. by triang.	=	11.86	"	"
Total dist. to flag	=	73.87	"	"

73.87 Flag point of, above described triangulation, at top of cliffs, bearing E. & W., facing S., at top of spur, sloping W., about 450 ft. above wash at 61.80 ch. station. Continue line and measurement by chaining.

78.50 Desc. 57 ft. over N. slope to
Top of cliff, bearing E. & W., facing N. Set an iron post,

Survey of Subdivision Lines of T. 40 N., R. 7 E.

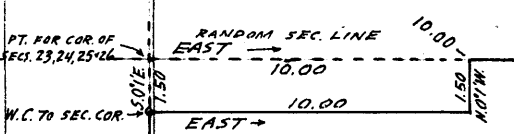
chains 2 ins. in diam., 6 ins. in ground to bedrock, deposit a stone marked with a cross (X) at base of post, and raise a mound of stone around post, for witness cor. to cor. of secs. 23, 24, 25 & 26, with brass cap marked,

WC
T40N | R7E
S23 | S24
S26 | S25
1927

80.00 Discontinue chaining of sec. line at this W.C.
True point for cor. of secs. 23, 24, 25 & 26 falls on N. face of cliff in an inaccessible position where it cannot be monumented, therefore establish witness cor. at 1.50 chs. S. 0° 1' E. as described above.

Land, mountainous. Soil, rocky, 4th rate.
Timber, none. Undergrowth, blackbrush and cactus.

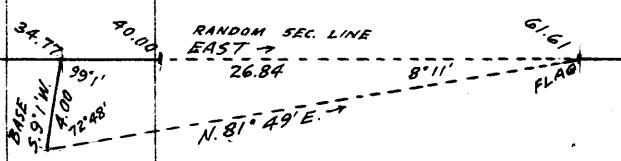
From true point for cor. of secs. 23, 24, 25 & 26, East, on random line, bet. secs. 24 & 25. Cliffs render the western part of the line impassable, therefore secure measurement by offset line as follows:



From sec. cor. point, S. 0° 1' E., 1.50 chs. (computed) to the witness cor. to sec. cor.

10.00 Thence, East, on offset line, parallel to random sec. line, 10.00 chs. to offset point.
Thence, N. 0° 1' W., 1.50 chs. to point on random line at
10.00 Thence, on random sec. line, continuing measurement in easting from sec. cor. point.

34.77 Point for triangulation hereinafter described.
Continue chaining.
40.00 Set temp. 1/4 sec. cor. Discontinue chaining and triangulate measurement over cliffs as follows:



Set flag ahead on random line at top of cliffs.
From 34.77 ch. station measure a Base S. 9° 1' W., 4.00 chs.
From S. end of base the flag bears N. 81° 49' E.
From N. end of base the vertical angle to flag is +22 1/4°.
All bearings checked by direct re-reading of the solar, & all angles checked by deflection.

Dist. by offset and chaining = 34.77 chs. East.
Dist. by this triangulation = 26.84 " "
Dist. to flag from sec. cor. pt. = 61.61 " "

61.61 Flag point of above described triangulation.
Continue line and measurement by chaining.
80.11 Fall 2 lks. S. of cor. of secs. 19, 24, 25 & 30, on E. bdy. of Tp., hereinbefore described,
Thence, S. 89° 59' W., on true line, bet. secs. 24 & 25.
Over mountainous land, thru scattering undergrowth.
Asc. 375 ft. over steep E. slope.

18.50 Top of ridge, bearing N. & S., and top of cliffs, same bearing, facing W. Discontinue chaining.
Measurement to 1/4 sec. cor. by triangulation.
Desc. 622 ft. over cliffs to

40.06 Set an iron post, 3 ft. long, 1 in. in diam., over a cross (X) marked on surface rock, and raise a mound of stone around post, for 1/4 sec. cor. of secs. 24 & 25, with brass cap marked

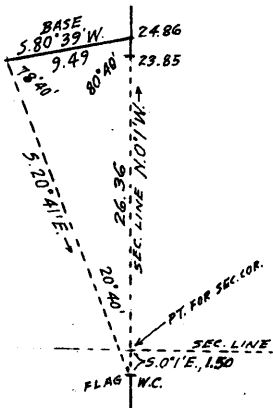
S24
1/4 S25
1927

Survey of Subdivision Lines of T. 40 N., R. 7 E.

chains Continue line and measurement by chaining.
 Desc. 229 ft. over steep W. slope to wash.
 45.34 Triangulation point. Continue chaining.
 57.81 Wash, 30 lks. wide, course NW. Desc. 90 ft. over NW. slope to
 70.11 Offset point at top of cliff bearing N. & SW., facing NW.
 Discontinue chaining. Remainder of sec. line passes
 over cliffs facing N., and is measured by an offset line
 hereinbefore described.
 80.11 The true point for cor. of secs. 23, 24, 25 & 26, on N. face
 of cliff. (Witness cor. 1.50 chs. S. 0° 1' E.)

Land, mountainous. Soil, rocky, 4th rate.
 Timber, none. Undergrowth, blackbrush and cactus.

From true point for cor. of secs. 23, 24, 25 & 26,
 N. 0° 1' W., on true line, bet. secs. 23 & 24.
 Over mountainous land, across N. faces of cliffs.
 Chaining is impracticable, therefore triangulate as follows:



Set a flag on the W.C. to cor. of secs.
 23, 24, 25 & 26.
 From a point ahead on sec. line
 measure a base S. 80° 39' W., 9.49 chs.
 From W. end of base the flag bears
 S. 20° 41' E.
 From E. end of base the vertical angle
 to flag is +16°.
 All bearings checked by direct read-
 ing of the solar, and all angles
 checked by deflection.

Dist. by this triangulation = 26.36 chs. N. 0° 1' W.
 Dist. from flag to sec. cor. point = 1.50 " "
 Dist. sec. cor. point to triang. pt. = 24.86 " "
 Return chaining to road = 1.01 " S. 0° 1' E.
 Dist. sec. cor. pt. to road = 23.85 " N. 0° 1' W.

10.00 (Approx.) Gulch, course W. Asc. gradually over precipitous
 W. slope.
 23.85 Bend in Flagstaff-Lee's Ferry road, brs. NW. & SW.
 Continue line & measurement by chaining.
 Asc. gradually over rolling W. slope.
 24.86 Triangulation point. Continue chaining.
 29.76 Desc. 20 ft. over gradual NW. slope
 30.55 Flagstaff-Lee's Ferry road, bears NE. & SW.
 33.10 East rim of lower canyon of the Colo. River, bears NE. &
 SW. Desc. 116 ft. over precipitous NW. slope to
 35.52 East or left bank of the Colorado River at mean high
 water mark, bearing NE. & SW. At this point, set an
 iron post, 3 ft. long, 2 ins. in diam., 27 ins. in ground,
 for meander cor. of secs. 23 & 24, with brass cap marked.

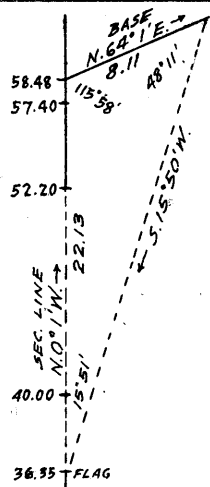
M C
 S23 | S24
 T40N | R7E

1927

Raise a mound of stone, 3 ft. base, 2 ft. high, S. of cor.
 36.35 Desc. 35 ft. over NW. slope to
 East edge of water surface of the Colo. River, bears NE.
 & SW. Course of stream SW.
 Discontinue chaining at this point, and triangulate across
 the Colorado River as follows:

Survey of Subdivision Lines of T. 40 N., R. 7 E.

chains



Set flag at 36.35 ch. station on sec. line.
 From a point ahead on sec. line beyond the right bank of the river, measure a Base N.64° 1'E., 8.11 chs. From NE. end of Base the flag bears S.15° 50' W.
 From point on sec. line at SW. end of Base the vertical angle to flag is -42°
 All bearings checked by direct readings of the solar, and all angles checked by deflection.

Dist. from sec. cor. point to flag = 36.35 chs. N.0° 1' W.
 Dist. by this triangulation = 22.13 " "
 Dist. sec. cor. point to SW. end of Base of this triang. = 58.48 " "
 Return chaining to W. edge of water surface of Colo. River = 6.28 " S.0° 1' E.
 Dist. sec. cor. pt. to W. edge of water surface of Colo. River = 52.20 " N.0° 1' W.

40.00 Point for 1/4 sec. cor. of secs. 23 & 24 falls in the water of the Colorado River.
 52.20 West edge of water surface of the Colorado River, bears NE. & SW.
 Continue line and measurement by chaining. asc. 53 ft. over SE. slope to
 57.40 West of right bank of Colo. River, bears NE. & SW. at mean high water mark. At this point, set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in ground, for meander cor. of secs. 23 & 24, with brass cap marked,

T40N | R7E
 S23 | S24
 M C

1927

58.48 Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
 Asc. 62 ft. over SE. slope to point of spur.
 65.20 Triangulation point. Continue chaining.
 66.40 Point of spur, sloping E. Desc. 40 ft. over NE. slope to wash.
 66.70 Road, bears NE. & SW. From Kanab, Utah to Lee's Ferry, Ariz.
 73.10 Wash, 20 lks. wide, course E. Asc. 45 ft. over SE. slope to
 80.00 Thence over rolling land. Asc. gradually over SE. slope to
 Set an iron post, 3 ft. long, 2 ins. in diam., 11 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, and raise a mound of stone around post, for cor. of secs. 13, 14, 23 & 24, with brass cap marked

T40N | R7E
 S14 | S13
 S23 | S24

1927

Land, mountainous and rolling. Soil, rocky, 4th rate.
 Timber, none. Undergrowth, cactus.

16.04 East, on random line, bet. secs. 13 and 24.
 Set flag at this point for triangulation hereinafter described.
 28.20 Continue chaining in of random line at this point and NW. ledge of water surface of the Colo. River, bears NE. & SW.
 Discontinue chaining at this point and triangulate the measurement across the river as follows:

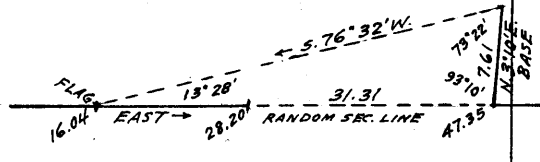
Survey of Subdivision Lines of T. 40 N., R. 7 E.

chains

From a point ahead on line beyond left bank of river, measure a Base N. 3° 10' E., 7.61 chs.

From N. end of base the flag bears S. 76° 32' W., From S. end of base the vertical angle to flag is +6 1/2°

All bearings checked by direct reading of the solar and all angles checked by deflection.



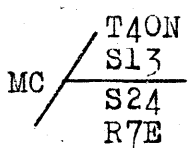
Dist. on random line to flag = 16.04 chs. East
Dist. by this triangulation = 31.31 " "
Dist. to triang. point ahead = 47.35 " "

47.35 Triang. point. Continue line and measurement by chaining.
80.00 Fall 7 lks. S. of cor. of secs. 13, 18, 19 & 24 on the E. bdy. of the Tp., hereinbefore described,

Thence, S. 89° 57' W., on true line, bet. secs. 13 & 24. Over mountainous land, thru scattering undergrowth. Asc. 144 ft. over SE. slope.

8.60 Spur, slopes NE. Desc. 70 ft. over NW. slope.
14.30 Ravine, course N. Asc. 92 ft. over NE. slope.
24.90 Top of cliff, 85 ft. high, bearing NE. & SW., facing NW. From foot of cliff desc. 120 ft. over NW. slope to
31.20 Flagstaff-Lee's Ferry road, bears NE. & SW. Desc. 47 ft. over NW. slope to M.C.

32.65 Triang. point. Continue chaining.
33.38 Left bank of the Colo. River, bears NE. & SW. at mean high water mark. At this point, set an iron post, 3 ft. long, 2 ins. in diam., 8 ins. in ground to bedrock, deposit a stone marked with a cross (X) at base of post, and raise a mound of stone around post, for meander cor. of secs. 13 & 24, marked on brass cap,

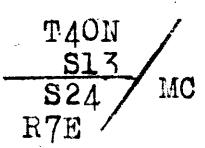


1927

34.62 Desc. 42 ft. over NW. slope to SE. edge of water surface of the Colo. River, bears NE. and SW. Discontinue chaining at this point. Measurement across river by triangulation as hereinbefore described.

40.00 True point for sec. cor. of secs. 13 & 24 falls in the water of the Colo. River, course SW.
51.80 NW. edge of water surface of the Colo. River, bears NE. and SW. Continue line and measurement by chaining. Asc. 142 ft. over SE. slope to M.C.

61.90 Wash, 20 lks. wide, course SE.
63.96 Triang. point. Continue chaining.
64.55 Right bank of the Colo. River, bears NE. & SW., at mean high water mark. At this point, set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in ground, for meander cor. of secs. 13 & 24, with brass cap marked,



1927

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Thence over rolling land. Asc. 60 ft. over SE. slope to sec. cor.
65.40 Road, bears NW. & SE. From Kanab Utah to Lee's Ferry, Ariz
80.00 The cor. of secs. 13, 14, 23 & 24.

Land, mountainous and rolling.

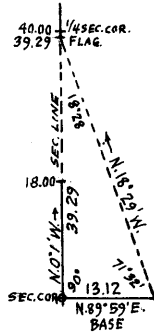
Survey of Subdivision Lines of T. 40 N., R. 7 E.

chains

Soil, rocky, 4th rate.
Timber, none. Undergrowth, sagebrush and cactus.

N.0°1'W., on true line, bet. secs. 13 & 14.
Over rolling land thru scattering undergrowth.

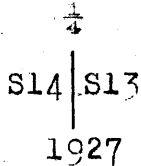
18.00 Asc. 90 ft. over SE. slope to
Foot of precipitous SE. slope and cliffs., bearing NE. & SW. Discontinue chaining and triangulate as follows:



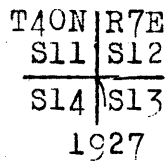
Set a flag ahead on sec. line at top of cliffs.
From cor. of secs. 13, 14, 23 & 24, measure a base, N.89°59'E., 13.12 chs.
From E. end of base the flag bears N.18°29'W.
All bearings checked by direct reading of the solar, and all angles checked by deflection.

39.29 Dist. by this triang. = 39.29 chs. N.0°1'W.
Flag point of above described triang., at top of cliffs, bearing NE. & SW., facing SE., about 500 ft. above the cor. of secs. 13, 14, 23 & 24.

40.00 Continue line and measurement by chaining.
Over rolling land. Asc. slightly over SE. slope to
Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in ground, for 1/4 sec. cor. of secs. 13 & 14, with brass cap marked,

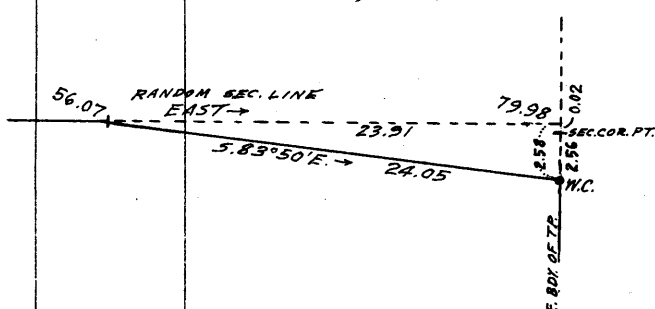


58.00 Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
Continue over rolling land.
Top of cliff, 80 ft. high, bearing E. & W., facing N.
From foot of this cliff descend 430 ft. over steep NW. slope.
69.53 Enter gently rolling land. Desc. gradually over NW. slope to
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 11, 12, 13 & 14, with brass cap marked,



Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
Land, rolling and mountainous.
Soil, sandy and rocky, 3rd & 4th rate.
Timber, none. Undergrowth, soapweed, sagebrush & cactus.

40.00 East, on random line, bet. secs. 12 & 13.
Set temp. 1/4 sec. cor.
56.07 Traverse point. The objective sec. cor. on E. bdy. of Tp. is on face of a cliff and is witnessed at 2.56 chs. S. as hereinbefore described, therefore obtain the length of random sec. line and its falling by a traverse from 56.07 ch. station to the witness cor. as follows:



S.83°50'E., 24.05 chs., the lat. and dep. of which are 2.58 chs. South, & 23.91 chs. East, respectively.
The true length of random line is therefore, 56.07 chs. + 23.91 chs. = 79.98 chs., and the falling on the sec. cor. point is 2.56 - 2.58 = 0.02 chs. N.

Survey of Subdivision Lines of T. 40 N., R. 7 E.

chains	
79.98	<p>Follow 2 lks. N. of true point for cor. of secs. 7, 12, 13 & 18, on E. bdy. of Tp., witnessed 2.56 chs. S. as hereinbefore described.</p> <p>From sec. cor. point, N. 89° 59' W., on true line, bet. secs. 12 & 13. Over mountainous land, thru scattering undergrowth. Measurement to 23.91 ch. station by traverse as hereinbefore described. Desc. about 100 ft.</p>
2.00	(Approx.) Ravine, course S. Asc. about 125 ft. to
23.91	<p>Traverse point on spur, sloping S. Center of U.S. Weather Bureau Station brs. S. 46° 33' W. NW. cor. of log cabin brs. S. 36° 10' W. NW. cor. of Johnson's house brs. S. 39° 38' W. NW. cor. of barn brs. S. 28° 58' W. NW. cor. of School house brs. S 24° W.</p> <p>Thence on sec. line, continuing measurement from sec. cor. point by chaining. Desc. 165 ft. over W. slope to top of cliff.</p>
33.58	Trail, bears N. & S.
35.98	Top of cliff, brs. NW. & SE., 65 ft. high, facing SW.
	From foot of cliff desc. 100 ft. over SW. slope to
39.99	Set an iron post, 3 ft. long, 1 in. in diam., 4 ins. in ground to bedrock, 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. of secs. 12 & 13, with brass cap marked,
	$\frac{1}{4} \frac{S12}{S13}$ <p>1927</p>
49.13	<p>Desc. 126 ft. over SW. slope to Foot of slope brs. NW. & SE. Center of U.S. Weather Bureau Station brs. S. 10° E. NW. cor. of log cabin brs. S. 19° 55' E. NW. cor. of Johnson's house brs. S. 18° 43' E. NW. cor. of barn brs. S. 14° 42' E. NW. cor. of school house brs. S. 20° 30' E.</p> <p>Enter nearly level bottom land.</p>
65.88	Paria Creek, 50 lks. wide, course SE.
	Continue over nearly level bottom land.
66.68	Old road, bears NW. & SE.
68.28	Fence, brs. NW. & SE. Enter cultivated land.
79.38	Fence, brs. NW. & SE. Leave cultivated land.
79.48	Ditch, 3 ft. deep, 2 ft. wide, course SE.
79.98	The cor. of secs. 11, 12, 13 & 14.
	<p>Land, mountainous, rolling and nearly level. Soil, sandy and rocky, 3rd and 4th rate. Timber, none. Undergrowth, sagebrush.</p> <p>-----</p>
	N. 0° 1' W., on true line, bet. secs. 11 & 12.
	Over nearly level bottom land, thru scattering undergrowth.
1.15	Fence, brs. NW. & SE.
1.20	Ditch, 3 ft. deep, 2 ft. wide, course SE.
1.25	Enter cultivated land.
4.50	Leave cultivated land.
7.30	Fence bears E. & W.
8.40	Paria Creek, 60 lks. wide, course E.
19.80	Road, bears NW. & SE.
21.10	Paria Creek, 80 lks. wide, course SW.
29.50	Paria Creek, 70 lks. wide, course SE.
	Thence over sandy bottom land, subject to overflow.
30.97	Triangulation point for triang. hereinafter described.
	Continue chaining.
40.00	True point for 1/4 sec. cor. of secs. 11 & 12 falls on a sandbar where it is impracticable to set monument, and as there is no suitable point on sec. line within 10 chs. of cor. point, establish witness cor. at a

Survey of Subdivision Lines of T.40 N., R.7 E.

chains

point 3.40 chs. East of cor. point as follows:
Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for witness cor. to $\frac{1}{4}$ sec. cor. of secs. 11 & 12, marked on brass cap,

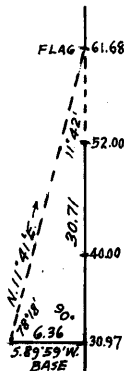
WC S11 | S12

1927

Raise a mound of stone, 4 ft. base, 2 $\frac{1}{2}$ ft. high, W. of cor. From point for $\frac{1}{4}$ sec. cor., continue line & measurement across sandbar.

52.00 Foot of cliffs, bearing NW. & SE., facing SW.

Discontinue chaining at this point and triangulate measurement to top of cliffs as follows:



Set flag on sec. line at top of cliffs.

From 30.97 ch. station on sec. line measure a Base S.89°59'W., 6.36 chs.

From W. end of base the flag bears N.11°41'E.

From E. end of base the vertical angle to flag is +10°

All bearings checked by direct reading of the solar and all angles checked by deflection.

Dist. - sec. cor. to triang. point = 30.97 chs. N.0° 1'W.

Dist. by this triangulation = 30.71 " "

Dist. - sec. cor. to flag = 61.68 " "

61.68 Flag point of above described triang., about 350 ft. above true point for $\frac{1}{4}$ sec. cor., and at top of cliffs, bearing NW. & SE., facing SW.

Continue line and measurement by chaining.

67.10 Over rolling land. Desc. 22 ft. over NW. slope to Top of cliff, 50 ft. high, bearing E. & W., facing N.

From foot of this cliff, desc. gradually over N. slope over gently rolling land.

67.30 Trail, bears NW. & SE.

78.80 Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in ground to bedrock, deposit a stone marked with a cross (X) at base of post and raise a mound of stone around post, for witness cor. to cor. of secs. 1, 2, 11 & 12, with brass cap marked

WC
T40N | R7E
S2 | S1
S11 | S12

1927

80.00 The true point for cor. of secs. 1, 2, 11 & 12 falls in wash 30 lks. wide, course SW., where it is impracticable to monument same, therefore establish witness cor. at 1.20 chs. S.0° 1'E., as described above.

Land, nearly level, rolling and mountainous.
Soil, sandy and rocky, 3rd and 4th rate.
Timber, none. Undergrowth, cactus and mormon tea.

From true point for cor. of secs. 1, 2, 11 & 12, East, on random line, bet. secs. 1 & 12.

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

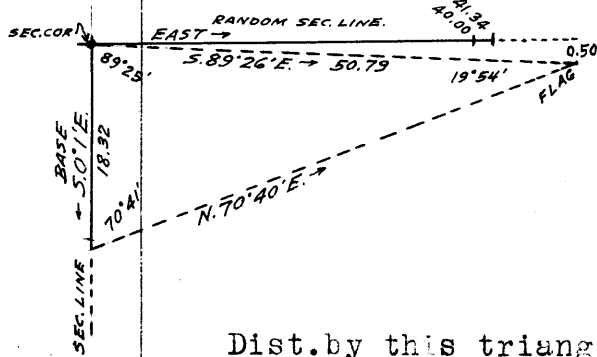
41.34 Foot of precipitous W. slope, over which chaining is impracticable.

Discontinue chaining at this point and triangulate as follows:

Set flag ahead of ...
... at top of cliffs.
Use as a Base the sec. line bet.

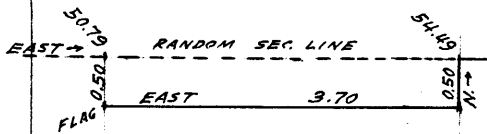
Survey of Subdivision Lines of T. 40 N., R. 7 E.

chains



secs. 11 & 12, bet. 61.68 ch. sta. thereon and the true point for cor. of secs. 1, 2, 11 & 12. This gives a base of 18.32 chs. S. 0° 1' E. From S. end of base the flag bears N. 70° 40' E. From N. end of base the flag bears S. 89° 26' E., and the vertical angle from sec. cor. point to flag is +24°

Dist. by this triang. = 50.79 chs. S. 89° 26' E., the lat. and dep. of which are, 50 lks. South and 50.79 chs. East respectively, therefore the flag point is 50 lks. S. of 50.79 ch. station of random sec. line.



From flag point, East, on offset line, parallel to random line, 3.70 chs. to offset point. Thence North, 50 lks. to point on random line at

- 54.49 Thence on random line, continuing measurement from sec. cor. point.
- 79.98 Fall 10 lks. S. of cor. of secs. 1, 6, 7 & 12 on E. bdy. of Tp. hereinbefore described, Thence S. 89° 56' W., on true line, bet. secs. 1 & 12. Over mountainous land, thru scattering undergrowth. Asc. 120 ft. over SE. slope.
- 9.50 Spur, slopes S. Desc. 96 ft. over SW. slope.
- 13.69 Wash, 20 lks. wide, course SE. Asc. 202 ft. over SE. slope.
- 25.49 Saw toothed ridge, bears NE. & SW. Discontinue chaining on sec. line at this point. Measurement to 38.64 chn. station by offset and triangulation as hereinbefore described.
- 29.20 (Approx.) Top of cliffs, Bearing N. & S., facing W. Desc. about 750 ft. to
- 38.64 Foot of cliffs. Thence on sec. line, continuing measurement by chaining. Desc. 55 ft. over steep W. slope to
- 39.99 Set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in ground to bedrock, 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. of secs. 1 & 12, with brass cap marked,

1/4 S1
S12

1927

- 79.98 Continue line and measurement by chaining. Desc. 760 ft. over steep broken W. slope to The true point for cor. of secs. 1, 2, 11 & 12 in wash, course SW.

Land, mountainous. Soil, rocky, 4th rate. Timber, none. Undergrowth, cactus and blackbrush.

- From true point for cor. of secs. 1, 2, 11 & 12, N. 0° 1' W., on true line, bet. secs. 1 & 2. Over mountainous land, thru scattering undergrowth. Asc. 177 ft. over S. slope.
- 7.90 Spur, slopes SW. Asc. 26 ft. over W. slope
- 12.50 Desc. 52 ft. over NW. slope.
- 16.80 Asc. 81 ft. over S. slope.
- 22.00 Spur, slopes W. Desc. 62 ft. over N. slope.
- 24.30 Ravine, course W. Asc. 350 ft. over steep S. slope to
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 7 ins. in ground to bedrock, 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. of secs. 1 & 2, with brass cap marked,

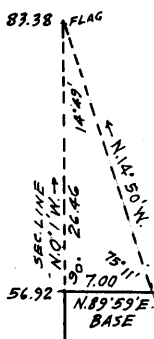
Survey of Subdivision Lines of T.40 N., R.7 E.

chains



1927

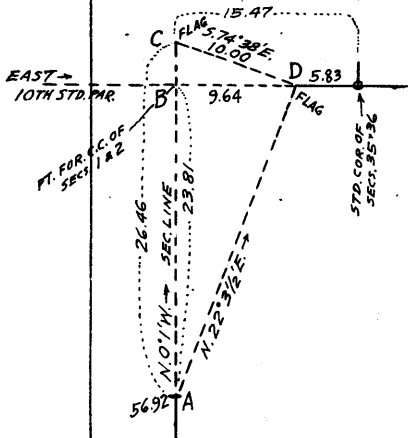
56.92 Thence over rolling SW. slope, ascending gradually to Discontinue chaining on sec. line at this point owing to cliffs ahead. Triangulate as follows:



Set a flag ahead at top of cliff facing S.
 From 56.92 ch. station, measure a Base, N.89°59'E., 7.00 chs.
 From E. end of base the flag bears N.14°50'W.
 From W. end of base the vertical angle is + 20½° to flag.
 All bearings checked by direct reading of the solar, and all angles checked by deflection.

Dist. chained on sec. line = 56.92 chs. N.0° 1'W.
 Dist. by this triangulation = 26.46 " "
 Total dist. to flag = 83.38 " "

Knowing from the length of E. bdy. of sec. 1 that the flag point of the above described triang. is N.0° 1'W. from point of intersection of the sec. line with the 10th Std. Par. N., determine the said point of intersection and closing dist. by a triang. as follows:

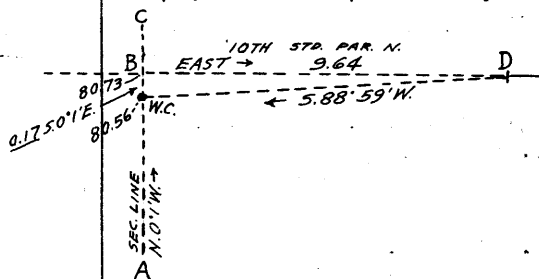


Set flag at rim of cliffs on 10th Std. Par. N. at 5.83 chs. W. from std. cor. of secs. 35 & 36, said flag being designated as point (D)
 Designate 56.92 ch. station on sec. line as point (A); the flag N.0° 1'W. therefrom as point (C) and the point for closing cor. of secs. 1 & 2 as point (B)
 Bearing (A-D) = N.22° 3½'E.
 Bearing (C-D) = S.74° 38'E.
 Dist. (A-B-C) = 26.46 chs. N.0° 1'W.
 All bearings checked by direct reading of the solar and all angles checked by deflection.

Dist. (C-D) from triangle (A-C-D) = 10.00 chs.
 Dist. (B-D) from triangle (B-C-D) = 9.64 "
 Dist. (A-B) from triangle (A-B-D) = 23.81 "

The length of the sec. line bet. secs. 1 & 2 is therefore 56.92 chs. + 23.81 chs. = 80.73 chs. N.0° 1'W.
 The closing dist. is 9.64 chs. + 5.83 chs. = 15.47 chs. west from std. cor. of secs. 35 & 36.

Return chaining from flag point (C) being impracticable line in a point at N.0° 1'W. from (A) and S.88° 59'W. from (D)



Point (D) being 9.64 chs. East from the point of intersection of the sec. line with the 10th Std. Par. N., the computed position of the point on sec. line at base of cliff, is 17 lks. S.0° 1'E. from true point for closing cor. or at 80.56 ch. station on sec. line.

80.56 The nearest accessible point on sec. line to true cor. point. Set an iron post, 3 ft. long, 2 ins. in diam., 4 ins. in ground to bedrock, deposit a stone marked with a cross (X) at base of post, and raise a mound of stone around post, for witness cor. to closing cor. of secs. 1 & 2, with brass cap marked,

Survey of Subdivision Lines of T. 40 N., R. 7 E.

chains

WC
T41N R7E
S35

S2 | S1
T40N | R7E
C | C

1927

80.73 Asc. over face of cliff, about 100 ft. high.
Intersect the 10 th Std. Par. N. at 15.47 chs. West from
std. cor. of secs. 35 & 36, T. 41 N., R. 7 E., hereinbefore
described. This point of intersection falls on face of
cliff where closing cor. of secs. 1 & 2 cannot be mon-
umented, therefore establish witness cor. at 17 lks.
S.0° 1'E., as hereinbefore described.

Land, mountainous. Soil, rocky, 4th rate.
Timber, none. Undergrowth, blackbrush and cactus.

From cor. of secs. 2, 3, 34 & 35 on S. bdy. of Tp., hereinbefore
described,

N.0° 1'W., on true line, bet. secs. 34 & 35.
Over rolling land, thru scattering undergrowth.
Desc. 85 ft. over NW. slope.

18.50 Asc. 28 ft. over SW. slope.
22.00 Desc. 107 ft. over N. slope.
28.00 Gulch, 50 lks. wide, course NW. Asc. 120 ft. over SW. slope to
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in ground
to bedrock, deposit a stone marked with a cross (X) at
base of post and raise a mound of stone around post,
for sec. cor. of secs. 34 & 35, with brass cap marked,

1/4
S34 | S35
1927

47.98 Desc. 34 ft. over NW. slope
Wash, 10 lks. wide, course NW. Asc. 28 ft. over SW. slope
51.47 Desc. 100 ft. over NW. slope
62.55 Gulch, 50 lks. wide, course NW. Asc. 65 ft. over SW. slope.
65.05 Desc. gradually over NW. slope to
72.00 Rim of lower canyon of Colo. River, brs. NE. & SW.
Desc. 200 ft. over precipitous NW. slope to
73.87 Left bank of Colo. River, at mean high water mark, bears NE.
& SW. At this point, set an iron post, 3 ft. long, 2 ins.
in diam., 6 ins. in ground to bedrock, deposit a stone
marked with a cross (X) at base of post and raise a
mound of stone around post, for meander cor. of secs. 34
& 35, with brass cap marked,

M C
S34 | S35
T40N | R7E
1927

80.00 Discontinue chaining on sec. line at this point.
Set flag here for triangulation of line bet. secs. 26 & 27
as hereinafter described.
Point for cor. of secs. 26, 27, 34 & 35 falls in water of the
Colo. River course SW.

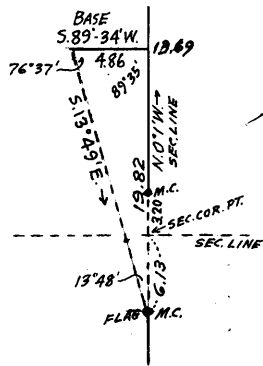
Land, rolling & mountainous. Soil, rocky, 4th rate.
Timber, none. Undergrowth, blackbrush and cactus.

From true point for cor. of secs. 26, 27, 34 & 35, in the
Colo. River,
N.0° 1'W., on true line, bet. secs. 26 and 27.
Over water in the Colo. River, measurement by triangulation

Survey of Subdivision Lines of T. 40 N., R. 7 E.

chains

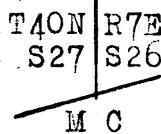
and return chaining as follows:



From a point ahead on sec. line measure a Base S.89°34'W., 4.86 chs.
 From W. end of base the flag at the meander cor. on sec. line bet. secs. 34 & 35 bears S.13°49'E.
 All bearings checked by direct reading of the solar and all angles checked by deflection.
 From point on sec. line at E. end of base, chain measurement S.0°1'E., 10.49 chs. to right bank of Colo. River.

- Dist. by this triangulation = 19.82 chs. N.0° 1'W.
- Di st. flag to sec. cor. pt. = 6.13 " "
- Dist. -sec. cor. pt. to triang. point on line bet. secs. 26 and 27 = 13.69 chs. N.0° 1'W.
- Dist. by return chaining = 10.49 " S.0° 1'E.
- Dist. -sec. cor. pt. to right bank of Colo. River = 3.20 chs. N.0° 1'W.

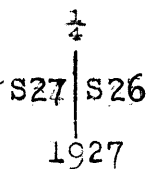
3.20 Right bank of Colo. River, at mean high water mark, bears NE. & SW. At this point, set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in ground, for meander cor. of secs. 26 & 27, with brass cap marked,



1927

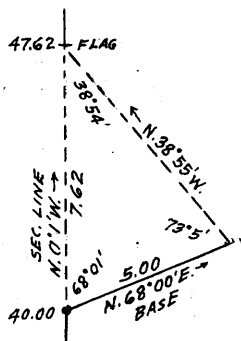
Raise a mound of stone, 4 ft. base, 2½ ft. high, N. of cor. Thence, N.0° 1'W., on true line bet. secs. 26 & 27, chaining continued measurement from sec. cor. point.

- Asc. 200 ft. over precipitous SE. slope to
- 4.84 Rim of lower canyon of the Colo. River, brs. NE. & SW. Asc. 182 ft. over SE. slope.
- 13.69 Triangulation point. Continue chaining.
- 22.13 Thence over rolling land. Along E. slope.
- 37.90 S. rim of gulch, bears E. & W. Thence over mountainous land. Desc. 25 ft. over N. slope to
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in ground to bedrock, deposit a stone marked with a cross (X) at base of post and raise a mound of stone around post, for sec. cor. of secs. 26 & 27, with brass cap marked,



1927

Discontinue chaining at this cor., owing to precipitous slopes in gulch, and triangulate as follows:



Set flag ahead on sec. line at N. rim of gulch, the vertical angle to which is 0°
 From sec. cor. measure a Base N.68°00'E., 5.00 chs.
 From E. end of base the flag bears N.38°55'W.
 All bearings checked by direct reading of the solar and all angles checked by deflection.

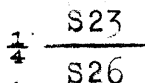
- Dist. on sec. line to W. end of base = 40.00 chs. N.0° 1'W.
- Dist. by this triang. = 7.62 " "
- Dist. to N. rim of gulch = 47.62 " "

Survey of Subdivision Lines of T. 40 N., R. 7 E.

chains							
41.50	(Approx.) Bottom of gulch, 20 lks. wide, 300 ft. deep, course E.						
47.62	Flag point of triang. at N. rim of gulch, bearing NE. & SW. Continue line & measurement by chaining.						
80.00	Over rolling land thru scattering undergrowth. Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in ground to bedrock, deposit a stone marked with a cross (X) at base of post and raise a mound of stone around post, for cor. of secs. 22, 23, 26 & 27, with brass cap marked,						
	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>T40N</td> <td>R7E</td> </tr> <tr> <td>S22</td> <td>S23</td> </tr> <tr> <td>S27</td> <td>S26</td> </tr> </table> <p>1927</p>	T40N	R7E	S22	S23	S27	S26
T40N	R7E						
S22	S23						
S27	S26						
	Land, rolling & mountainous. Soil, rocky, 4th rate. Timber, none. Undergrowth, blackbrush.						
22.65	East, on random line, bet. secs. 23 & 26. Set flag for triang.						
23.80	Right bank of Colo. River. Discontinue chaining and triangulate as follows:						
	<p>From a point ahead on line near E. rim of lower canyon of the Colo. River, measure a Base, South, 3.50 chs. From S. end of base the flag bears N. 74° 2' W. From N. end of base the vertical angle to flag is 0°</p> <p>Dist. to flag = 22.65 chs. East Dist. by triang. = 12.23 " " Total dist. = 34.88 chs. East.</p>						
34.88	Triang. point. Continue line & measurement by chaining.						
40.00	Set temp. sec. cor.						
57.34	Triang. point. Continue chaining.						
70.00	Foot of cliffs bearing NE. & SW. Discontinue chaining at this point and triangulate a traverse to the W.C. to cor. of secs. 23, 24, 25 & 26 as follows:						
	<p>Set flag on the W.C. to cor. of secs. 23, 24, 25 & 26, which is 1.50 chs. S. 0° 1' E. from sec. cor. pt. From 57.34 ch. station on random line, measure a Base N. 3° 46' E., 9.81 chs. to a point from which the flag bears S. 62° 59' E. From S. end of base the flag bears S. 86° 14' E., with a vertical angle of +14°.</p> <p>Dist. by this triang. = 22.83 chs. S. 86° 14' E., the lat. and dep. of which are 1.50 chs. S. and 22.78 chs. E. The length of random line is therefore 57.34 chs. + 22.78 chs. = 80.12 chs. and the same intersects the sec. cor. point.</p>						
80.12	Intersect true point for cor. of secs. 23, 24, 25 & 26, on N. face of cliff, (W.C. 1.50 chs. S. 0° 1' E.) From cor. point, West, on true line, bet. secs. 23 & 26. Over mountainous land, across cliffs facing N. & NW. Measurement by triangulated traverse as hereinbefore described. Desc. about 360 ft. to						
10.12	root of cliffs, bearing NE. & SW. Thence over rolling land, continuing measurement from sec. cor. point by chaining. Desc. gradually over W. slope.						
21.92	Flagstaff-Lee's Ferry road, bears N. & S.						
22.78	Triangulation point. Continue chaining.						
40.06	Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in ground,						

Survey of Subdivision Lines of T. 40 N., R. 7 E.

chains for $\frac{1}{4}$ sec. cor. of secs. 23 & 26, with brass cap marked,

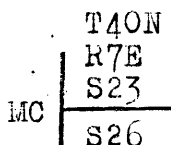


1927

45.24 Raise a mound of stone, 4 ft. base, 2 $\frac{1}{2}$ ft. high, N. of cor. Triang. point. Continue chaining.

46.01 E. rim of lower canyon of the Colo. River, brs. N. & S. Desc. 220 ft. over precipitous W. slope to

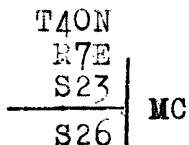
48.97 Left bank of Colo. River at mean high water mark, bears N. & S. At this point, set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in ground, for meander cor. of secs. 23 & 26, with brass cap marked,



1927

Raise a mound of stone, 4 ft. base, 2 $\frac{1}{2}$ ft. high, E. of cor. Discontinue chaining. measurement across river by triang. as hereinbefore described.

56.32 Right bank of Colo. River at mean high water mark, bears N. & S. At this point, set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in ground to bedrock, deposit a stone marked with a cross (X) at base of post and raise a mound of stone around post, for meander cor. of secs. 23 & 26, with brass cap marked,



1927

57.47 Continue line and measurement by chaining. Asc. 220 ft. over precipitous E. slope to W. rim of lower canyon of the Colo. River, brs. NE. & SW. Thence over rolling and broken land.

80.12 The cor. of secs. 22, 23, 26 & 27.

Land, mountainous and rolling. Soil, rocky, 4th rate. Timber, none. Undergrowth, blackbrush and cactus.

N. 0° 1' W., on true line, bet. secs. 22 & 23. Over rolling land, thru scattering undergrowth.

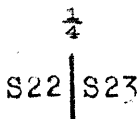
3.80 Desc. 22 ft. over NE. slope to Rim of gulch, brs. NW. & SE. Desc. 40 ft. over NE. slope.

5.00 Wash, 30 lks. wide, course SE. in bottom of gulch.

7.10 Asc. 40 ft. over SW. slope to Rim of gulch, brs. NW. & SE. Leave gulch. Asc. gradually.

18.70 Road, brs. NE. & SW. Kanab, Utah to Lee's Ferry, Ariz.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in ground to bedrock, and raise a mound of stone around post, for $\frac{1}{4}$ sec. cor., with brass cap marked,

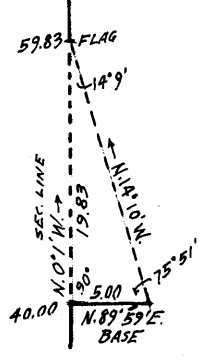


1927

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Discontinue chaining at this cor. owing to cliffs ahead and triangulate as follows:

Survey of Subdivision Lines of T. 40 N., R. 7 E.

chains



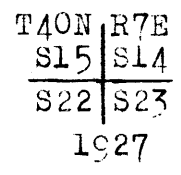
Set a flag ahead on sec. line at top of cliffs, the vertical angle to which is $+ 17\frac{1}{2}^\circ$
 From $\frac{1}{4}$ sec. cor. measure a Base, N. $89^\circ 59' E.$, 5.00 chs.
 From E. end of base the flag bears N. $14^\circ 10' W.$
 All bearings checked by direct reading of the solar and all angles checked by deflection.

Dist. chained on sec. line = 40.00 chs. N. $0^\circ 1' W.$
 Dist. by this triang. = 19.83 " "
 Dist. - sec. cor. to flag = 59.83 " "

59.83 Flag point of above described triang., at top of cliffs, bearing NE. & SW., facing SE., about 425 ft. above the $\frac{1}{4}$ sec. cor.

Continue line and measurement by chaining. Over rolling land, thru scattering undergrowth.

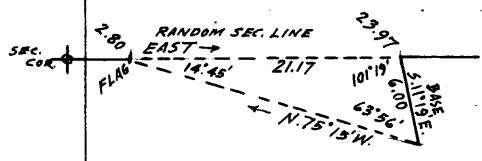
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for cor. of secs. 14, 15, 22 & 23, with brass cap marked,



Raise a mound of stone, 4 ft. base, 2 ft. high, W. of cor.

Land, rolling and mountainous. Soil, rocky, 4th rate. Timber, nonz. undergrowth, blackbrush & cactus.

2.80 East, on random line, bet. secs. 14 & 23. Top of cliffs, bearing N. & S. facing E. Discontinue chaining and triangulate as follows:



Set flag at this point. From a point ahead on random line at foot of cliffs measure a Base, S. $11^\circ 19' E.$, 6.00 chs. From SE. end of base the flag bears N. $75^\circ 15' W.$ From NW. end of base the vertical angle to flag is $+ 16^\circ$

Dist. chained on random line = 2.80 chs. East.
 Dist. by this triang. = 21.17 " "
 Sec. cor. to foot of cliffs = 23.97 " "

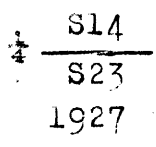
23.97 Triang. point. Continue line and measurement by chaining.

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

79.94 Fall 6 lks. N. of the cor. of secs. 13, 14, 23 & 24.

Thence, N. $89^\circ 57' W.$, on true line, bet. secs. 14 & 23. Over rolling land, thru scattering undergrowth.

39.97 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in ground to bedrock, 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. of secs. 14 & 23, with brass cap marked,



Desc. 61 ft. over SW. slope.

50.74 Ravine, course SE. Asc. 94 ft. over E. slope to

55.97 Triang. point at foot of cliffs facing E. Discontinue chaining.

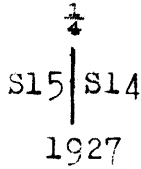
Measurement to top of cliffs by triangulation.

77.14 Triang. point at top of cliffs, bearing N. & S., facing E.,

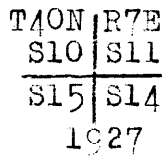
Survey of Subdivision lines of T. 40 N., R. 7 E.

chains about 385 ft. above foot of same.
 Continue line and measurement by chaining.
 Over rolling land. Asc. 31 ft. over E. slope to
 79.94 The cor. of secs. 14, 15, 22 & 23.
 Land, rolling and mountainous. Soil, rocky, 4th rate.
 Timber, none. Undergrowth, sagebrush and cactus.

N. 0° 1' W., on true line, bet. secs. 14 & 15.
 Over rolling land, thru scattering undergrowth.
 Desc. gradually over NE. slope to
 4.80 Rim of gulch, bears NW. & SE. Enter mountainous land.
 Desc. 330 ft. over steep broken NE. slope.
 23.60 Bottom of gulch, course E.
 Asc. 297 ft. over steep broken S. slope to
 31.65 Rim of gulch, bears E. & W. Leave gulch.
 Enter rolling land. Asc. gradually over SE. slope to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 7 ins. in ground
 to bedrock, 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. of secs. 14 & 15, with brass cap marked,



Continue over rolling land, thru scattering undergrowth.
 60.40 Rim of gulch, bears E. & W. Enter mountainous land.
 Desc. 170 ft. over steep N. slope.
 64.00 Bottom of gulch, course E.
 Asc. 170 ft. over steep S. slope to
 68.30 Rim of gulch, bears E. & W. Leave gulch.
 Enter rolling land. Asc. 70 ft. over S. slope.
 78.70 Spur, slopes SE. Desc. gradually over NE. slope to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the
 ground, for cor. of secs. 10, 11, 14 & 15, with brass cap
 marked,

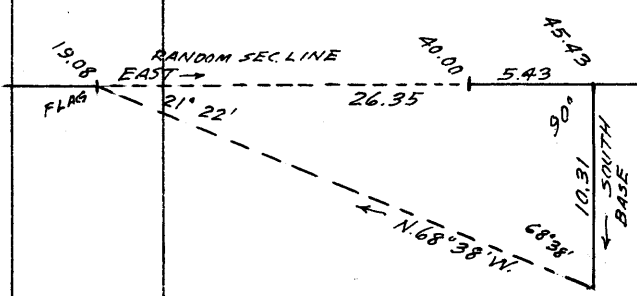


Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, rolling and mountainous. Soil, rocky, 4th rate.
Timber, none. Undergrowth, sagebrush.

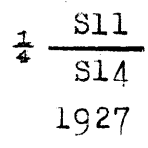
19.08 East, on random line, bet. secs. 11 & 14.
 Top of cliffs, facing E.
 Discontinue chaining on random line at this point and
 triangulate measurement to a point ahead, from which
 make return chaining to temp. $\frac{1}{4}$ sec. cor.

Set flag on random line at
 19.08 ch. station.
 From a point ahead on random
 line measure a base, South,
 10.31 chs.
 From S. end of base the flag
 bears N. 68° 38' W.
 From N. end of base the vertical
 angle to flag is + 12°
 All bearings checked by direct
 reading of the solar and all
 angles checked by deflection.



Survey of Subdivision Lines of T. 40 N., R. 7 E.

chains
 Dist.chained on random line = 19.08 chs. East.
 Dist.by this triang. = 26.35 " "
 Total dist. to triang.pt. = 45.43 " "
 Dist.by return chaining = 5.43 " West
 To temp. 1/4 sec.cor. = 40.00 " East
 40.00 Set temp. 1/4 sec.cor.
 45.43 Triang.pt. Continue chaining.
 80.00 Fall 5 lks. N.of cor.of secs.11,12,13 & 14.
 Thence,
 N.89°58'W.,on true line,bet.secs.11 & 14.
 Over gently rolling land,thru scattering undergrowth.
 Desc. gradually over NW. slope.
 8.80 Wash,20 lks.wide,course NE. Enter mountainous land.
 Asc. 75 ft.over E. slope.
 14.70 Spur,slopes S. from NW. Desc.slightly over SW.slope.
 19.00 Asc. gradually over SE. slope to 1/4 sec.cor.
 34.57 Triang.pt. Continue chaining.
 40.00 Set an iron post,3 ft.long,1 in.in diam.,27 ins.in ground,
 for 1/4 sec.cor.of secs.11 & 14,with brass cap marked,

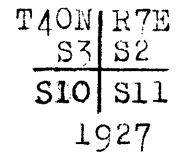


Raise a mound of stone,4 ft.base,2 1/2 ft.high,N.of cor.
 Discontinue chaining. Measurement to 60.92 ch.station
 by triang. hereinbefore described.
 Asc. about 300 ft.over steep E.slope and cliffs.
 60.92 Triang.pt.at top of cliff,bearing N.& S.,facing E.
 Continue line and measurement by chaining.
 over rolling land. Asc. gradually over E.slope to
 74.80 Enter mountainous land. Asc.70 ft.over SE.slope to
 80.00 The cor.of secs.10,11,14 & 15.
 Land, rolling and mountainous. Soil, rocky,4th rate.
 Timber, none. undergrowth, sagebrush & soapweed.

N.0° 1'W.,on true line,bet.secs.10 & 11.
 Over mountainous land,thru scattering undergrowth.
 Asc. 170 ft.over SE. slope.
 15.00 Spur, slopes E. Desc. 86 ft.over N. slope.
 23.00 Bottom of ravine,course SE.
 Asc. 225 ft.over steep S. slope to
 40.00 Set an iron post,3 ft.long,1 in.in diam.,12 ins.in ground
 to bedrock,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.of secs.10 & 11,with brass cap marked,



Asc. 40 ft.over S. slope.
 43.40 Spur, slopes E.
 Desc. 355 ft.over steep N. & NE. slopes
 65.40 Bottom of ravine,course E.
 Asc. 180 ft.over SE. slope to
 80.00 Set an iron post,3 ft.long,2 ins.in diam.,25 ins.in ground
 for cor.of secs.2,3,10 & 11,with brass cap marked,



Raise a mound of stone,3 ft.base,2 ft.high,W.of cor.

Survey of Subdivision Lines of T. 40 N., R. 7 E.

chains. Land, mountainous. Soil, rocky, 4th rate.
 Timber, none. Undergrowth, sagebrush and yucca.

East, on random line, bet. secs. 2 & 11.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.06 Fall 1.13 chs. N. of witness cor. to cor. of secs. 1, 2, 11 &
 12, which is 1.20 chs. S. $0^{\circ} 1' E.$ from cor. point.
 From sec. cor. point, in wash, course SW.,
 S. $89^{\circ} 57' W.$, on true line, bet. secs. 2 & 11.
 Over rolling land, thru scattering undergrowth.
 Asc. 18 ft. over SE. slope.
 0.90 Spur, slopes S. from NE.
 Desc. 50 ft. over W. slope.
 10.87 Trail, bears NW. and SE.
 22.60 Rim, bears NW. & SE. Enter mountainous land.
 Desc. 200 ft. over steep W. slope.
 27.76 Paria Creek, 60 lks. wide, course SE.
 Thence over level bottom land.
 37.96 Enter mountainous land. Asc. 52 ft. over E. slope to
 40.03 Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in ground
 to bedrock, 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. of secs. 2 & 11, with brass cap marked,

$\frac{1}{4}$ S2
 S11
 1927

Asc. 255 ft. over steep E. slope to
 45.59 Rim, bears N. & S. Continue over mountainous land.
 Asc. 412 ft. over E. & SE. slopes to
 80.06 The cor. of secs. 2, 3, 10 & 11.

Land, rolling, mountainous and level.
 Soil, rocky, 4th rate.
 Timber, none.
 Undergrowth, blackbrush and cactus.

N. $0^{\circ} 1' W.$, on true line, bet. secs. 2 & 3.
 Over mountainous land, thru scattering undergrowth.
 Asc. 15 ft. over SE. slope.
 1.40 Spur, slopes E.
 Desc. 280 ft. over NE. slope to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in ground
 to bedrock, 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. of secs. 2 & 3, with brass cap marked,

$\frac{1}{4}$
 S3 | S2
 1927

Desc. 55 ft. over NE. slope to
 48.26 Rim, bears E. & W. Desc. 197 ft. over steep N. slope to
 60.60 Enter rolling land. Desc. 35 ft. over N. slope to
 65.67 Top of bank, bears E. & W. Enter mountainous land.
 Desc. 95 ft. over steep N. slope.
 72.10 Paria Creek, 40 lks. wide, course E. Asc. 75 ft. over SW. slope
 80.80 Intersect 10th Std. Par. N. at 15.63 chs. West from std. cor.
 of secs. 34 & 35, hereinbefore described. At this point
 of intersection, set an iron post, 3 ft. long, 2 ins. in
 diam., 10 ins. in ground to bedrock, 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 & 3, with brass cap marked,

Survey of Subdivision Lines of T. 40 N., R. 7 E.

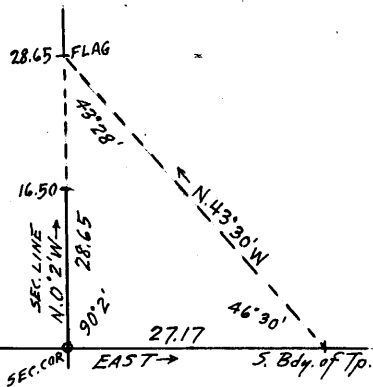
chains

T41N R7E
S34

S3 | S2
T40N R7E
C | C
1927

Land, mountainous and rolling.
Soil, rocky, 4th rate.
Timber, none.
Undergrowth, sagebrush.

16.50 From cor. of secs. 3, 4, 33 & 34 on S. bdy. of Tp., hereinbefore described,
N. 0° 2' W., on true line, bet. secs. 33 & 34.
Over rolling land, thru scattering undergrowth.
Asc. 60 ft. over SE. slope to Road, bears NE. & SW. Kanab, Utah to Lee's Ferry, Ariz.
Beyond this point the sec. line passes over cliffs and chaining is impracticable, therefore triangulate as follows:



Set Flag ahead on sec. line at top of cliffs.
From cor. of secs. 3, 4, 33 & 34, measure a Base East, 27.17 chs. along S. bdy. of Tp.
From E. end of base the flag bears N. 43° 30' W.
From sec. cor. the vertical angle to flag is + 14°
All bearings checked by direct reading of the solar and all angles checked by deflection.

28.65 Dist. by this triang. = 28.65 chs. N 0° 2' W.
Flag point of above described triang., at top of cliffs bearing E. & W. facing S., about 460 ft. above sec. cor.
Thence over rolling land on bench.
Continue line and measurement by chaining.
36.06 Rim of bench, bears NW. & SE. Desc. 25 ft. over NE. slope.
38.00 Asc. 20 ft. over SE. slope to
39.50 Rim of bench, bears NE. & SW. Thence over rolling land on bench.
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in ground, for 1/4 sec. cor. of secs. 33 & 34, with brass cap marked,

1/4

S33 | S34
1927

41.90 Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
Continue over rolling land on bench.
Rim of bench, bears NW. & SE. Leave bench.
Enter mountainous land. Desc. 321 ft. over precipitous NE. slope to
47.00 Foot of precipitous slope. Enter rolling land.
Desc. 200 ft. to
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 14 ins. in ground to bedrock, deposit a stone marked with a cross (X) at base of post and raise a mound of stone around post, for cor. of secs. 27, 28, 33 & 34, with brass cap marked,

T40N R7E
S28 | S27

S33 | S34
1927

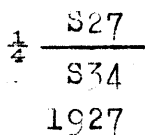
Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Survey of Subdivision Lines of T. 40 N., R. 7 E.

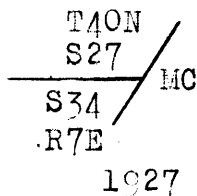
chains Land, rolling and mountainous.
Soil, rocky, 4th rate.
Timber, none.
Undergrowth, blackbrush and cactus.

East, on true line, bet. secs. 27 & 34.
Over rolling land, thru scattering undergrowth.
Asc. 35 ft. over NW. slope.

7.00 Desc. 96 ft. over NE. slope to $\frac{1}{4}$ sec. cor.
34.30 Road, bears N. & S. Kanab, Utah to Lee's Ferry, Ariz.
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in ground to bedrock, 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. of secs. 27 & 34, with brass cap marked,



69.97 Desc. 60 ft. over NE. slope.
Wash, 20 lks. wide, course NE. Asc. 34 ft. over NW. slope.
72.00 Desc. 15 ft. over NE. slope to.
75.11 West rim of lower canyon of the Colo. River, brs. NE. & SW. Enter mountainous land. Desc. 200 ft. over precipitous SE. slope to
76.75 Right bank of Colo. River, brs. NE. & SW. at mean high water mark. At this point, set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, and raise a mound of stone around post, for meander cor. of secs. 27 & 34, with brass cap marked,

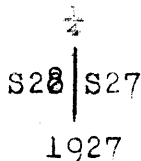


80.00 Point for cor. of secs. 26, 27, 34 & 35 falls in water of the Colo. River, course SW.

Land, rolling and mountainous.
Soil, rocky, 4th rate.
Timber, none.
Undergrowth, blackbrush and cactus.

From cor. of secs. 27, 28, 33 & 34,
N.0° 2' W., on true line, bet. secs. 27 & 28.
Over rolling land, thru scattering undergrowth.
Desc. 74 ft. over NW. slope.

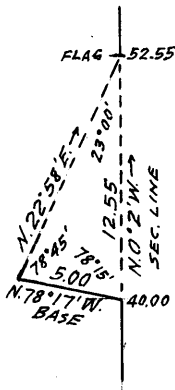
8.50 Wash, 100 lks. wide, course NE. Asc. 10 ft. over SE. slope.
15.00 Desc. 20 ft. over N. slope.
18.85 Wash, 90 lks. wide, course E. Asc. 75 ft. over S. slope to $\frac{1}{4}$ sec. cor.
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. of secs. 27 & 28, with brass cap marked,



Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Beyond this cor. the sec. line passes over SE. face of cliffs where chaining is impracticable, therefore triangulate as follows:

Survey of Subdivision Lines of T.40N., R.7 E.

chains



Set a flag ahead on sec. line at top of cliffs.
 From 1/4 sec. cor. measure a Base, N. 78° 17' W., 5.00 chs.
 From W. end of base the flag bears N. 22° 58' E.
 From 1/4 sec. cor. the vertical angle to flag is + 23°
 All bearings checked by direct reading of the solar and all angles checked by deflection.

Dist. chained on sec. line = 40.00 chs. N. 0° 28' W.
 Dist. by this triang. = 12.55 " "
 Dist. - sec. cor. to flag = 52.55 " "

52.55 Flag point of above described triang., at top of cliffs, bearing NE. & SW., facing SE., about 325 ft. above the 1/4 sec. cor.

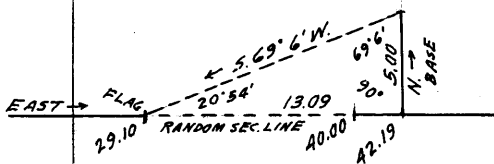
Continue line and measurement by chaining. Over rolling bench land.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 8 ins. in ground to bedrock, deposit a stone marked with a cross (X) at base of post and raise a mound of stone around post, for cor. of secs. 21, 22, 27 & 28, with brass cap marked,

T40N | R7E
 S21 | S22
 S28 | S27
 1927

Land, rolling and mountainous.
 Soil, rocky, 4th rate.
 Timber, none.
 Undergrowth, blackbrush and cactus.

29.10 East, on random line, bet. secs. 22 & 27. Top of cliffs, brs. NW. & SE. Chaining is impracticable beyond this point therefore triangulate as follows:



Set flag on random line at this point.
 From a point ahead on random line, beyond the foot of cliffs, measure a base, North, 5.00 chs.
 From N. end of base the flag bears S. 69° 6' W.
 From S. end of base the vertical angle to flag is + 26°

Dist. chained on random line = 29.10 chs. East.
 Dist. by this triang. = 13.09 " "
 Dist. - sec. cor. to triang. pt. = 42.19 " "
 Dist. by return chaining = 2.19 " West
 Dist. to temp. 1/4 sec. cor. = 40.00 " East

40.00 Set temp. 1/4 sec. cor.

80.04 Fall 3 lks. N. of the cor. of secs. 22, 23, 26 & 27, Thence,

N. 89° 59' W., on true line, bet. secs. 22 & 27. Over rolling land, thru scattering undergrowth. Desc. 26 ft. over NW. slope.

8.94 Wash, 20 lks. wide, course N. Asc. gradually over NE. slope.
 17.16 Road, bears NE. & S. Lanab, Utah to Lee's Ferry, Ariz.
 20.56 Wash, 20 lks. wide, course NE. Asc. 59 ft. over NE. slope to

Survey of Subdivision Lines of T.40 N.,R.7 E.

chains

40.02 Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in ground to bedrock, 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. of secs. 22 & 27, with brass cap marked,

1/4 S22
S27
1927

Discontinue chaining at this cor., owing to cliffs ahead. Measurement to 50.94 ch. station by triang. hereinbefore described

50.94 Triang. point at top of cliffs, bearing NW. & SE., facing NE., about 380 ft. above the 1/4 sec. cor. Continue line and measurement by chaining.

80.04 Over rolling land. Asc. gradually over NE. slope to the cor. of secs. 21, 22, 27 & 28.

Land, rolling and mountainous.
Soil, rocky, 4th rate.
Timber, none.
Undergrowth, shadscale, blackbrush and cactus.

N.0° 2'W., on true line, bet. secs. 21 & 22. Over rolling land, thru scattering undergrowth. Desc. gradually over N. slope.

2.40 Wash, 20 lks. wide, course NE. from W. Asc. 52 ft. over SE. slope to

15.49 Wash, 20 lks. wide, course SE. Enter mountainous land. Asc. 135 ft. over SW. slope.

27.00 Spur, slopes SE. Desc. 116 ft. over NE. slope to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in ground, for 1/4 sec. cor. of secs. 21 & 22, with brass cap marked,

1/4
S21 | S22
1927

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Desc. 113 ft. over steep NE. slope.

44.40 Wash, 20 lks. wide, in gulch, course E. Asc. 124 ft. over S. slope

48.70 Spur, slopes E. Desc. 80 ft. over N. slope.

51.73 Wash, 20 lks. wide, course E. Asc. 97 ft. over steep S. slope.

56.50 Enter rolling land. Asc. 140 ft. over SE. slope to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in ground to bedrock, deposit a stone marked with a cross (Y) at base of post and raise a mound of stone around post, for cor. of secs. 15, 16, 21 & 22, with brass cap marked,

T40N R7E
S16 | S15
S21 | S22
1927

Land, rolling and mountainous.
Soil, rocky, 4th rate.
Timber, none.
Undergrowth, blackbrush and cactus.

East on random line, bet. secs. 15 & 22.

40.00 Set temp. 1/4 sec. cor.

80.08 Intersect the cor. of secs. 14, 15, 22 & 23,

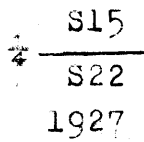
Survey of Subdivision Lines of T. 40 N., R. 7 E.

chains

Thence,
West, on true line, bet. secs. 15 & 22.
Over rolling bench land, thru scattering undergrowth.

40.04

Asc. gradually over E. slope to
Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the
ground, for $\frac{1}{4}$ sec. cor. of secs. 15 & 22, with brass cap
marked



Dig pits, 18x18x12 ins., one each, E. & W. of cor.
3 ft. dist.

55.70

Continue over rolling land, Asc. gradual SE. slope to
Enter mountainous land. Asc. 284 ft. over SE. slope to

80.08

The cor. of secs. 15, 16, 21 & 22.

Land, rolling and mountainous.
Soil, rocky, 4th rate.
Timber, none.
Undergrowth, sagebrush and cactus.

N.0° 2'W., on true line, bet. secs. 15 & 16.
Over mountainous land, thru scattering undergrowth.
Asc. 156 ft. over SE. slope.

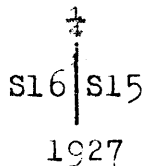
20.30

Spur, slopes E.

Desc. 95 ft. over NE. slope to

40.00

Set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in ground
to bedrock, 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. of secs. 15 & 16, with brass cap marked,



Desc. 190 ft. over NE. slope.

46.90

Ravine, course SE.

Asc. 206 ft. over SW. slope.

58.80

Spur, slopes SE.

Desc. 75 ft. over NE. slope.

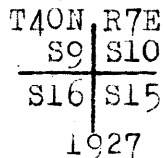
63.80

Ravine, course SE.

Asc. 295 ft. over SE. slope to

80.00

Set an iron post, 3 ft. long, 2 ins. in diam., 8 ins. in ground
to bedrock, deposit a stone marked with a cross (X) at
base of post and raise a mound of stone around post,
for cor. of secs. 9, 10, 15 & 16, with brass cap marked,



Land, mountainous.
Soil, rocky, 4th rate.
Timber, none.
Undergrowth, sagebrush and cactus.

East, on random line, bet. secs. 10 & 15.

40.00

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

80.04

Run 3 lks. S. of cor. of secs. 10, 11, 14 & 15,

Thence,

Survey of Subdivision Lines of T.40 N., R.7 E.

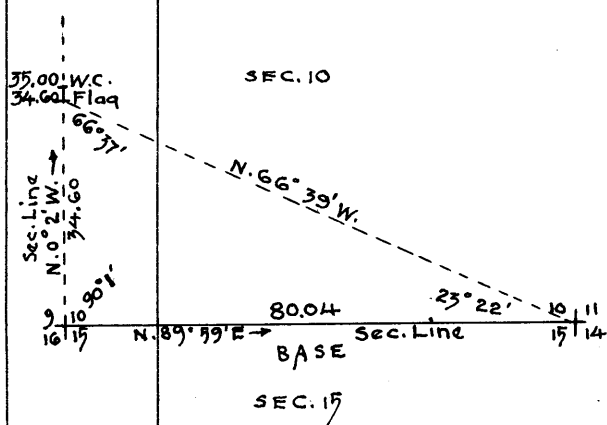
chains
 S. 89° 59' W., on true line, bet. secs. 10 & 15.
 Over mountainous land, thru scattering undergrowth.
 Asc. 398 ft. over SE. slope.
 30.00 Spur, slopes SE.
 Desc. 182 ft. over SW. slope
 38.54 Ravine, course SE.
 Asc. 60 ft. over E. slope to
 40.02 Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in ground
 to bedrock, 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. of secs. 10 & 15, marked on brass cap,

$\frac{1}{4}$ S10
 S15
 1927

Asc. 201 ft. over E. slope.
 52.24 Spur, slopes SE.
 Desc. 177 ft. over SW. slope.
 65.04 Wash, 10 lks. wide, course SE.
 Asc. 108 ft. over SE. slope to
 80.04 The cor. of secs. 9, 10, 15 & 16.

Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, none.
 Undergrowth, sagebrush.

N. 0° 2' W., on true line, bet. secs. 9 & 10.
 Over mountainous land, ascending over precipitous SE.
 slopes of Vermilion Cliffs.
 Chaining is impracticable, therefore triangulate as
 follows:



Set flag ahead on sec. line
 at top of cliffs.
 Use the sec. line bet. secs. 10
 & 15 as a Base, N. 89° 59' E.,
 80.04 chs.
 From sec. cor. at E. end of base
 the flag bears N. 66° 39' W.
 From cor. of secs. 9, 10, 15 & 16
 the vertical angle to flag
 is + 40°.
 All bearings checked by direct
 reading of the solar and all
 angles checked by deflection.

Dist. by this triangulation = 34.60 chs. N. 0° 2' W.

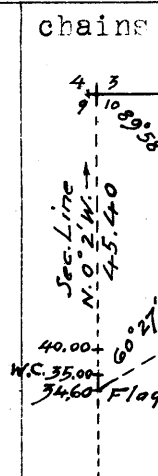
34.60 Flag point of above described triang., at top of Vermilion
 Cliffs, bearing NE. & SW., facing SE., about 1360 ft.
 above the cor. of secs. 9, 10, 15 & 16.

Continue line and measurement by chaining.
 35.00 Top of Vermilion Cliffs, bears NW. & SE., facing NE.
 Set an iron post, 3 ft. long, 1 in. in diam., 7 ins. in ground
 to bedrock, 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. of secs. 9 & 10, with
 brass cap marked

WC
 $\frac{1}{4}$
 S9 | S10
 1927

Discontinue chaining, and triangulate the measurement of
 the remainder of this sec. line as follows:
 Set flag at 34.60 ch. station.

Survey of Subdivision Lines of T. 40 N., R. 7 E.



From cor. of secs. 2, 3, 10 & 11, chain random line West, 80.00 chs. to serve as a Base for this triang., and set temp. cor. of secs. 3, 4, 9 & 10. From cor. of secs. 2, 3, 10 & 11 the flag bears S. 60° 25' W. From temp. cor. of secs. 3, 4, 9 & 10 the flag bears S. 0° 2' E., with a vertical angle of + 29°. The temp. sec. cor. is therefore on the meridional sec. line. All bearings checked by direct reading of the solar and all angles checked by deflection.

- 40.00 Point for 1/4 sec. cor. on NE. face of cliff.
Dist. to flag = 34.60 chs. N. 0° 2' W.
Dist. by this triang. = 45.40 " "
- 80.00 Total dist. = 80.00 " "
- Triang. point about 1450 ft. below W.C. to 1/4 sec. cor.
Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for cor. of secs. 3, 4, 9 & 10, marked on brass cap.

T40N | R7E
S4 | S3
S9 | S10
1927

Dig pits 18x18x12 ins., one each, NE., SE., SW. & NW. of post, 3 ft. dist. This cor. is on rolling SE. slope about 20 chs. N. from the foot of Vermilion Cliffs.

Land, mountainous and rolling.
Soil, sandy and rocky, 4th rate.
Timber, none.
Undergrowth, sagebrush, cactus and soapweed.

Random line bet. secs. 3 & 10 surveyed West, 80.00 chs. as a base for triang. as hereinbefore described, therefore, from cor. of secs. 2, 3, 10 & 11, West, on true line, bet. secs. 3 & 10. Over mountainous land, thru scattering undergrowth.

- Asc. 211 ft. over SE. slope to
- 13.05 Top of spur, sloping N. 88° E. from W.
Asc. 100 ft. along top of spur to
- 36.60 Leave top of spur, sloping E. from S. 80° W.
Asc. 20 ft. over N. slope to
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in ground for 1/4 sec. cor., with brass cap marked,

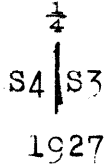
1/4 S3
S10
1927

- Dig pits 18x18x12 ins., one each, E. & W. of cor. 3 ft. dist.
- Asc. 126 ft. over NE. slope to
- 54.86 Enter rolling land. Asc. 120 ft. over NE. slope to
- 74.78 Asc. 20 ft. over SE. slope to
- 80.00 The cor. of secs. 3, 4, 9 & 10.

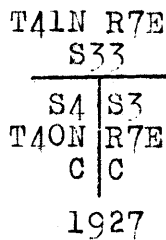
Land, mountainous and rolling.
Soil, sandy and rocky, 4th rate.
Timber, none.
Undergrowth, sagebrush, yucca and soapweed.

Survey of Subdivision Lines of T.40 N., R.7 E.

chains N.0° 2'W., on true line, bet. secs. 3 & 4.
 Over rolling land, thru scattering undergrowth.
 Asc. 26 ft. over SE. slope.
 2.60 Spur, slopes NE.
 Desc. 92 ft. over N. slope to
 17.50 Thence over rolling NE. slope, descending gradually to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the
 ground, for $\frac{1}{4}$ sec. cor. of secs. 3 & 4, marked on brass
 cap,

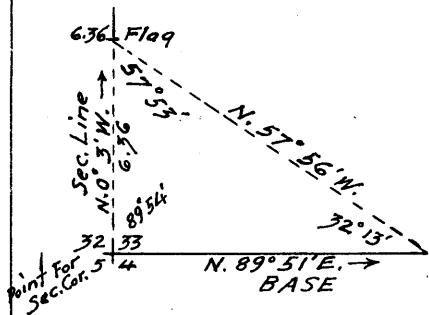


Dig pits, 18x18x12 ins., one each, N. & S. of post,
 3 ft. dist.
 Desc. 125 ft. over gradual N. slope to
 71.10 Enter mountainous land. Desc. 210 ft. over steep N. slope to
 80.89 Intersect 10 th Std. Par. N. at 15.64 chs. West from the
 std. cor. of secs. 33 & 34, T.41 N., R.7 E., hereinbefore
 described.
 At this point of intersection, set an iron post, 3 ft. long,
 2 ins. in diam., 27 ins. in ground, for closing cor. of
 secs. 3 & 4, with brass cap marked,



Raise a mound of stone, 3 ft. base, 2 ft. high, S. of cor.
 Land, rolling and mountainous.
 Soil, sandy and rocky, 4th rate.
 Timber, none.
 Undergrowth, sagebrush, yucca and cactus.

From true point for cor. of secs. 4, 5, 32 & 33 on S. bdy.
 of Tp. (W.C. hereinbefore described 1.52 chs. E.)
 N.0° 3'W., on true line, bet. secs. 32 & 33.
 Over mountainous land. Precipitous ascent over S. face
 of cliffs renders chaining impracticable, therefore
 triangulate as follows:



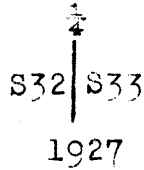
Set a flag ahead on sec. line at
 top of cliffs, the vertical angle
 to which is + 39°
 From sec. cor. point measure a
 Base, N.89° 51' E., 10.10 chs.
 From E. end of base the flag
 bears N.57° 56' W.
 All bearings checked by direct
 reading of the solar and all
 angles checked by deflection.

Dist. - sec. cor. pt. to flag = 6.36 chs. N.0° 3'W.
 6.36 Flag point of above described triangulation, at top of
 cliffs, bearing E. & W., facing S., about 265 ft. above
 the sec. cor. point.
 Continue line and measurement by chaining.
 Over rolling bench land, thru scattering undergrowth.
 Asc. 60 ft. over S. slope.
 39.10 Descend slightly over N. slope to

Survey of Subdivision Lines of T. 40 N., R. 7 E.

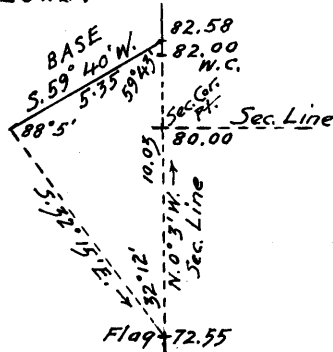
chains
40.00

Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post and raise a mound of stone around post, for $\frac{1}{4}$ sec. cor. of secs. 32 & 33, marked on brass cap,



48.70
64.74
67.60
72.55

Desc. gradually over N. slope to
Desc. 114 ft. over N. slope.
Wash, 20 lks. wide, course E.
Asc. 111 ft. over SE. slope to
Thence nearly level bench.
Rim of gulch, bears E. & W. Desc. about 200 ft. over precipitous broken N. slope to bottom of gulch.
Chaining is impracticable therefore triangulate as follows:

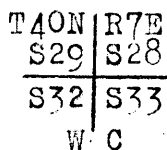


Set flag on sec. line at this point on S. rim of gulch.
From a point slightly beyond the N. rim of gulch, and N. 0° 3' W. from flag, measure a base S. 59° 40' W., 5.35 chs.
From SW. end of base the flag bears S. 32° 15' E.
From NE. end of base the vertical angle to flag is 0°.

Dist. on sec. line to flag = 72.55 chs. N. 0° 3' W.
Dist. by this triang. = 10.03 " "
Total dist. = 82.58 " "
Return chaining to N. rim of gulch = 0.58 " S. 0° 3' E.

79.00
80.00

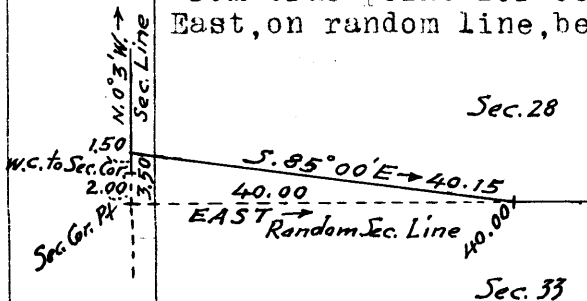
Dist. - S. bdy. of Tp. to N. rim of gulch = 82.00 chs. N. 0° 3' W., or 2.00 chs. N. 0° 3' W. from true pt. for cor. of secs. 28, 29, 32 & 33.
(Approx.) Bottom of gulch, course E.
Asc. about 200 ft. over precipitous SE. slope to N. rim.
True point for cor. of secs. 28, 29, 32 & 33 falls on precipitous slope where it is inaccessible, therefore at a point on N. rim of gulch, 2.00 chs. N. 0° 3' W. from cor. point, set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in ground to bedrock, deposit a stone marked with a cross (X) at base of post and raise a mound of stone around post, for witness cor. to cor. of secs. 28, 29, 32 & 33, with brass cap marked,



1927

Land, rolling and mountainous.
Soil, rocky, 4th rate. Timber, none.
Undergrowth, blackbrush and cactus.

From true point for cor. of secs. 28, 29, 32 & 33, East, on random line, bet. secs. 28 & 33.



The W. $\frac{1}{2}$ of the line passes over precipitous slopes in a gulch, therefore measure same by traverse S. 85° 00' E., 40.15 chs. from a point 1.50 chs. N. 0° 3' W. from the W.C. or 3.50 chs. N. 0° 3' W. from sec. cor. point.

Survey of Subdivision Lines of T. 40 N., R. 7 E.

chains The latitude and departure of this traverse are 3.50
chs. S. and 40.00 chs. E., respectively, therefore
the E. end of the traverse is theoretically due East
from the sec.cor.point and on random line at

40.00 Set temp. $\frac{1}{4}$ sec.cor.
Thence on random line, chaining continued measurement from
sec.cor.point.

80.00 Intersect the cor.of secs.27,28,33 & 34,
Thence,
West, on true line, bet.secs.28 & 33.
Over rolling land, thru scattering undergrowth.
Desc. 35 ft.over NW. slope.

4.90 Wash, 15 lks.wide, course NE. Enter mountainous land.
Asc. 130 ft.over E. slope.

19.50 Rim of bench land, brs. N. & S. Thence over nearly level
land.

38.50 Rim of bench land, brs. NE. & SW. Leave bench.
Enter mountainous land. Desc.50 ft.over steep NW.slope
to

40.00 Set an iron post, 3 ft.long, 1 in.in diam., 27 ins.in ground
for $\frac{1}{4}$ sec.cor.of secs.28 & 33, marked on brass cap,

$\frac{1}{4}$ $\frac{S28}{S33}$
1927

Raise a mound of stone, 4 ft.base, 3 ft.high, N.of cor.
Discontinue chaining on sec.line at this cor.
Measurement of W. $\frac{1}{2}$ of line by traverse hereinbefore
described.

52.00 Desc. about 200 ft.over precipitous NW.slope
(Approx.) Bottom of gulch, course NE. from W.
Asc. along precipitous SE. slope about 1.00 ch. N.
from the bottom of this gulch.

80.00 The true point for cor.of secs.28,29,32 & 33, on precipi-
tous SE.slope where it is inaccessible.
Witness cor.2.00 chs.N.0°3'W., hereinbefore described.

land, rolling and mountainous.
Soil, rocky, 4th rate. Timber, none.
Undergrowth, sagebrush.

from true point for cor.of secs.28,29,32 & 33,
N.0° 3'W., on true line, bet.secs.28 & 29.
Over mountainous land. Asc. about 115 ft.over precipitous
SE.slope of N.side of gulch. Measurement by triang.

2.00 Witness cor.to cor.of secs.28,29,32 & 33, hereinbefore
described, at N. rim of gulch, bearing NE. & SW.
Continue line and measurement by chaining.
Enter rolling land. Asc. 107 ft.over SE. slope.

24.30 Spur, slopes E. Desc. 120 ft.over N.slope.

34.00 Wash, 20 lks.wide, course E. Enter mountainous land.
Asc. 100 ft.over S. slope to

40.00 Set an iron post, 3 ft.long, 1 in.in diam., 10 ins.in ground
to bedrock, 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.of secs.28 & 29, marked on brass cap,

$\frac{1}{4}$
S29 | S28
1927

Asc. 115 ft.over S. slope.

45.00 Point of spur, slopes SE. Desc.98 ft.over NE. slope.

55.80 Ravine, course SE. Asc.330 ft.over S. & SE.slopes to

80.00 Set an iron post, 3 ft.long, 2 ins.in diam., 27 ins.in ground,
for cor.of, secs.20, 21, 28 & 29, marked on brass cap, at

T40N | R7E
S20 | S21
S29 | S28
1927

Survey of Subdivision Lines of T. 40 N., R. 7 E.

chains. Raise a mound of stone, 4, ft. base, 2 ft. high, W. of cor.
Land, mountainous and rolling. Soil, rocky, 4th rate.
Timber, none. Undergrowth, sagebrush and yucca.

East, on random line, bet. secs. 21 & 28.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.00 Fall 9 lks. S. of cor. of secs. 21, 22, 27 & 28,
Thence,
S. $89^{\circ}56'W.$, on true line, bet. secs. 21 & 28.
Over rolling land, thru scattering undergrowth.
Ascend gradually over NE. slope to
14.70 Enter mountainous land. Asc. 230 ft. over E. slope.
32.90 Spur, slopes SE. Desc. 50 ft. over SW. slope to
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 7 ins. in ground
to bedrock, 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. of secs. 21 & 28, marked on brass cap,

$\frac{1}{4}$ $\frac{S21}{S28}$
1927

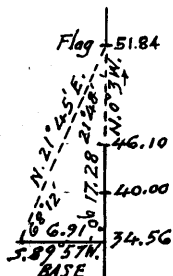
Desc. 25 ft. over SW. slope.
41.70 Ravine, course SE. Asc. 85 ft. over NE. slope.
46.50 Spur, slopes SE.
Desc. 112 ft. over SW. slope
51.20 Ravine, course SE.
Asc. 154 ft. over NE. slope.
62.50 Spur, slopes SE.
Desc. 105 ft. over SW. slope.
69.55 Ravine, course SE.
Asc. 145 ft. over SE. slope to
80.00 the cor. of secs. 20, 21, 28 & 29.

Land, rolling and mountainous.
Soil, rocky, 4th rate.
Timber, none.
Undergrowth, sagebrush.

N. $0^{\circ}3'W.$, on true line, bet. secs. 20 & 21.
Over mountainous land, thru scattering undergrowth.
Asc. 35 ft. over S. slope.
3.70 Spur, slopes SE.
Desc. 105 ft. over NE. slope.
8.50 Ravine, course SE.
Asc. 446 ft. over S. slope to $\frac{1}{4}$ sec. cor.
34.56 Triangulation point for triang. hereinafter described.
Continue chaining.
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in ground
to bedrock, 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. of secs. 20 & 21, marked on brass cap,

$\frac{1}{4}$
S20 | S21
1927

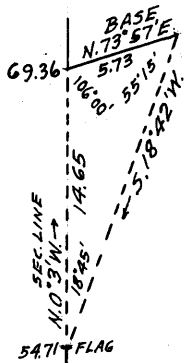
46.10 Continue chaining.
Asc. 50 ft. over S. slope to
Foot of cliff, bearing E. & W., facing S. Discontinue chain-
ing and triangulate as follows:



Set flag ahead on sec. line at
top of cliff.
From 34.56 ch. station measure
a Base, S. $89^{\circ}57'W.$, 6.91 chs.
From W. end of base the flag
bears N. $21^{\circ}45'E.$
From E. end of base the vertical
angle to flag is $+23^{\circ}$

Survey of Subdivision Lines of T. 40 N., R. 7 E.

chains
 Dist.on sec.line to triang.pt. = 34.56 chs.N.0°3'W.
 Dist.by this triang. = 17.28 " "
 Dist.-sec.cor.to flag = 51.84 chs. N.0°3'W.
 51.84 Flag point of above described triang.,at top of cliff,
 bearing E. & W.,facing S.,about 150 ft.above the 1/2
 sec.cor.
 Continue line and measurement by chaining.
 across flat topped spur,sloping E.
 54.71 Top of cliff,about 200 ft.high,bearing E. & W.,facing N.
 Discontinue chaining and triangulate as follows:
 Set flag on sec. line at this point.
 From a point ahead on sec.line at
 N. rim of the gulch over which this
 triang. is made, measure a Base,
 N.73°57'E.,5.73 chs.
 From E. end of base the flag bears
 S.18°42'W.
 All bearings checked by direct
 reading of the solar and all angles
 checked by deflection.
 Dist. on sec.line to flag = 54.71 chs. N.0°3'W.
 Dist.by this triang. = 14.65 " "
 Dist.-sec.cor.to triang.
 point at N.rim of gulch = 69.36 chs. N.0°3'W.
 58.00 (Approx.) Bottom of gulch,about 200 ft.deep,course E.
 Asc. over precipitous SE. slope to
 69.36 Triang.point at N. rim of gulch,bearing NE. & SW.
 Continue line and measurement by chaining.
 Asc. 143 ft.over SE. slope to
 78.42 Set an iron post,3 ft.long,2 ins.in diam.,8 ins.in ground
 to bedrock,deposit a stone marked with a cross (X) at
 base of post and raise a mound of stone around post,
 for witness cor.to cor.of secs.16,17,20 & 21,with
 brass cap marked

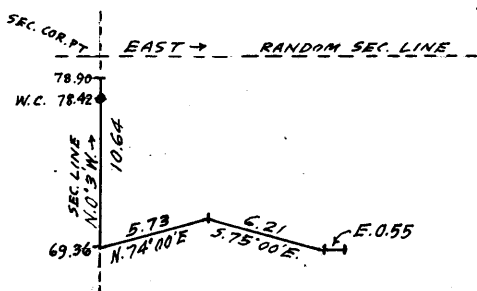


W C	
T40N	R7E
S17	S16
S20	S21
1927	

78.90 Asc. 16 ft.over steep SE. slope to
 Foot of Vermilion Cliffs,bearing E. & W.
 Discontinue chaining.
 80.00 True point for cor.of secs.16,17,20 & 21 falls on face
 of Vermilion Cliffs where it cannot be monumented,
 therefore establish witness cor.at 1.58 chs.S.0°3'E.
 as described.above.

Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, none.
 Undergrowth, sagebrush,yucca and cactus.

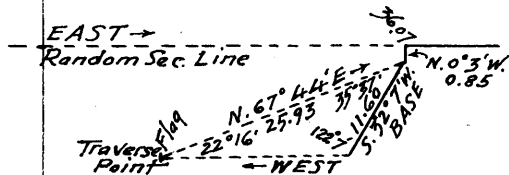
From true point for cor.of secs.16,17,20 & 21,
 East, on random line,bet.secs.16 & 21.
 The western part of the line falls on face of Vermilion
 Cliffs and is impassable therefore measure by traverse
 as follows:



From 69.36 ch.station on sec.
 line bet.secs.20 & 21,
 N.74°00'E.,5.73 chs.
 S.75°00'E.,6.21 chs.
 East 0.55 chs.
 Thence by triangulated
 measurement over a cliff
 as follows:

Survey of Subdivision Lines of T. 40 N., R. 7 E.

chains



Set a flag at this traverse point.
 From a point N. 67° 44' E., measure a Base, S. 32° 7' W., 11.60 chs.
 From SW. end of base the flag bears due West.
 From NE. end of Base the vertical angle to flag is + 182°
 All bearings checked by direct reading of the solar and all angles checked by deflection.
 From traverse point at NE. end of base,
 N. 0° 3' W., 0.85 chs. to traverse point on random line at

Dist. by this triang. = 25.93 chs. N. 67° 44' E.

36.07 Traverse point. Thence on random sec. line, continuing measurement in easting from sec. cor. point.

40.00 Set temp. 1/4 sec. cor.

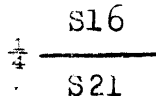
79.98 Fall 3 lks. S. of cor. of secs. 15, 16, 21 & 22.

Thence, S. 89° 59' W., on true line, bet. secs. 16 & 21.

Over mountainous land, thru scattering undergrowth.

Asc. 381 ft. over SE. slope to

39.99 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in ground, for 1/4 sec. cor. of secs. 16 & 21, marked on brass cap,



1927

raise a mound of stone, 4 ft. base, 2 ft. high, N. of cor.
 Asc. 45 ft. over SE. slope to

43.91 Traverse point at foot of Vermilion Cliffs, bearing NE. and SW. Discontinue chaining on sec. line at this point. Ascend over precipitous broken SE. face of Vermilion Cliffs to sec. cor. point.

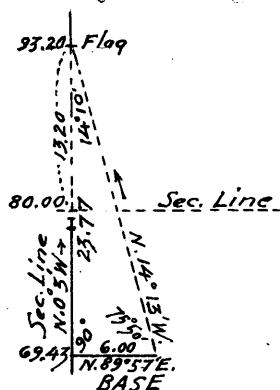
measurement of remainder of line by traverse thru sec. 21 as hereinbefore described.

79.98 True point for cor. of secs. 16, 17, 20 & 21, on S. face of cliff, in inaccessible place. (W.C. 1.58 chs. S. 0° 3' E.)

Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, none.
 Undergrowth, sagebrush.

From true point for cor. of secs. 16, 17, 20 & 21, N. 0° 3' W., on true line, bet. secs. 16 & 17.

Over mountainous land, ascending over precipitous S. face of Vermilion Cliffs. The southern portion of the sec. line being impassable, obtain measurement to top of cliffs by triang. as follows:



From 69.43 chs station on sec. line bet. secs. 20 & 21, or 10.57 chs. S. 0° 3' E. from true point for cor. of secs. 16, 17, 20 & 21, measure a Base, N. 89° 57' E., 6.00 chs. Set flag on sec. line bet. secs. 16 & 17 at top of cliffs. From E. end of base the flag bears N. 14° 13' W. From W. end of base the vertical angle to flag is + 48°.

Dist. on sec. line 20-21 to triang. pt. = 69.43 chs. N. 0° 3' W.

Dist. by this triang. = 23.77 " "

Dist. sec. line 20-21 extended = 93.20 chs. N. 0° 3' W.

Survey of Subdivision Lines of T. 40 N., R. 7 E.

chains
13.20

Flag point of triang. at top of Vermilion Cliffs, bearing E. & W., facing S., about 1500 ft. above the sec. cor. point.

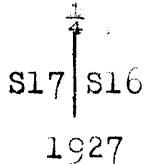
Continue line and measurement by chaining. Over rolling land, thru scattering timber & undergrowth. Asc. 80 ft. over S. slope.

32.00

Desc. 75 ft. over N. slope to

40.00

Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in ground, for $\frac{1}{4}$ sec. cor. of secs. 16 & 17, marked on brass cap,



from which,

A cedar, 14 ins. in diam., bears N. 72° E., 138 lks. dist., marked $\frac{1}{4}$ S16 BT.

A pinyon, 10 ins. in diam., bears N. 22° W., 91 lks. dist., marked $\frac{1}{4}$ S17 BT.

45.20

Desc. 30 ft. over N. slope. Wash, 20 lks. wide, course NE. Asc. 35 ft. over SE. slope.

50.00

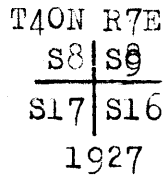
Spur, slopes NE. Desc. 22 ft. over N. slope.

56.80

Wash, 10 lks. wide, course E. Asc. 80 ft. over SE. and E. slopes to

80.00

Set an iron post, 3 ft. long, 2 ins. in diam., over a cross (X) marked on surface rock, and raise a mound of stone around post, for cor. of secs. 8, 9, 16 & 17, with brass cap marked,



from which,

A cedar, 6 ins. in diam., bears N. $22\frac{1}{4}^{\circ}$ E., 170 lks. dist., marked T40N R7E S9 BT.

A cedar, 6 ins. in diam., bears S. $33\frac{1}{4}^{\circ}$ E., 82 lks. dist., marked T40N R7E S16 BT.

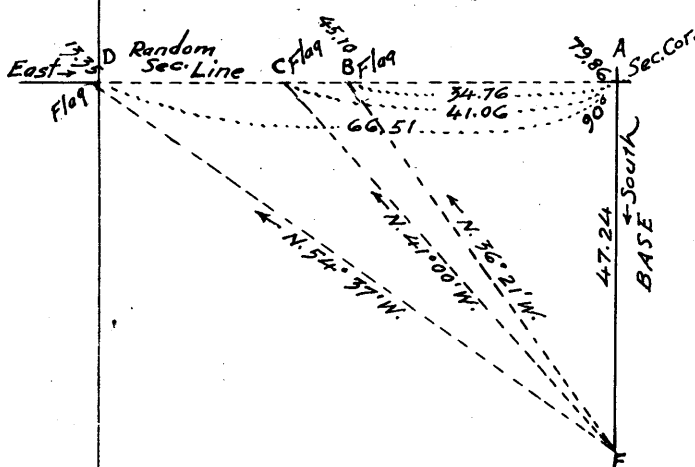
A cedar, 6 ins. in diam., bears S. $39\frac{1}{4}^{\circ}$ W., 77 lks. dist., marked T40N R7E S17 BT.

A cedar, 6 ins. in diam., bears N. $39\frac{1}{2}^{\circ}$ W., 41 lks. dist., marked T40N R7E S8 BT.

Land, mountainous and rolling. Soil, sandy and rocky, 4th rate. Timber, cedar and pinyon. Undergrowth, sagebrush, yucca and grass.

13.35

East, on random line, bet. secs. 9 & 16. Top of Vermilion Cliffs, bearing N. & S., facing E. Precipitous descent prevents continuation of chaining therefore triangulate as follows:



Set flag (D) at this pt. Set flag (C) ahead on random line on top of rocky spur, sloping SE. Set flag on the cor. of secs. 9, 10, 15 & 16 (A), which bears due East from 13, 35 ch. station (D). Set a flag (B) due West from (A) at foot of cliff for temp. W.C. to $\frac{1}{4}$ sec. cor. From sec. cor. (A) measure a Base, South, 47.24 chs. to point (E)

Survey of Subdivision Lines of T. 40 N., R. 7 E.

chains	<p>The bearings from (E) to flags (B), (C), and (D) are N.36°21'W., N.41°00'W., and N.54°37'W., respectively. The triangulated distances from (A) to flags (B), (C) and (D) are 34.76 chs., 41.06 chs. and 66.51 chs. respectively.</p> <p>The vertical angles from (A) to flags (B), (C) & (D) are +10°, +26° and +10° respectively.</p> <p>Dist. chained on random line = 13.35 chs. East. Dist. triangulated = 66.51 " "</p> <p>Total length of random line = 79.86 chs. East.</p>
79.86	<p>Intersect the cor. of secs. 9, 10, 15 & 16. Thence, West, on true line, bet. secs. 9 & 16. Over mountainous land, on precipitous broken SE. slopes from the Vermilion Cliffs.</p>
28.00	<p>Measurement by triang. as hereinbefore described. (Approx.) Bottom of gulch, 200 lks. wide, course SE. Asc. over steep E. slope to</p>
34.76	<p>Triang. point at foot of cliff, facing E. This being the nearest accessible point on sec. line suitable for witness cor., set an iron post, 3 ft. long, 1 in. in diam. 12 ins. in ground to bedrock, deposit a stone marked with a cross (X) at base of post, and raise a mound of stone around post, for witness cor. to 1/4 sec. cor. of secs. 9 & 16, with brass cap marked,</p>
	<p style="text-align: center;"> $\begin{array}{c} \text{S9} \\ \text{WC } \frac{1}{4} \text{ ---} \\ \text{S16} \\ 1927 \end{array}$ </p>
39.93	<p>Asc. over E. face of cliffs. True point for 1/4 sec. cor. falls on face of cliff where it cannot be monumented, therefore establish witness cor. at 5.17 chs. East, as described above.</p>
41.06	<p>Triang. point on sharp rocky spur, sloping SE. Continue measurement by triang. Desc. about 500 ft. over precipitous SW. slope.</p>
52.00	<p>(Approx.) Bottom of gulch, course SE. Asc. over E. face of Vermilion Cliffs.</p>
66.51	<p>Triang. point at top of Vermilion Cliffs, bearing N. & S. facing E., about 800 ft. above the cor. of secs. 9, 10, 15 and 16. Continue line and measurement by chaining. Over heavily rolling land, thru scattering undergrowth and timber.</p>
79.86	<p>Asc. 137 ft. over E. slope to The cor. of secs. 8, 9, 16 & 17. Land, mountainous and rolling. Soil, rocky, 4th rate. Timber, cedar and pinyon. Undergrowth, sagebrush.</p>
40.00	<p>N.0°3'W., on true line, bet. secs. 8 & 9. Over rolling land, thru scattering timber & undergrowth. Asc. gradually over E. and SE. slopes to Set an iron post, 3 ft. long, 1 in. in diam., 17 ins. in ground to bedrock, 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. of secs. 8 & 9, marked on brass cap,</p>
	<p style="text-align: center;"> $\begin{array}{c} \frac{1}{4} \\ \text{S8} \text{S9} \\ 1927 \end{array}$ </p>
	<p>from which, A cedar, 16 ins. in diam., bears S.41°E., 119 lks. dist., marked 1/4 S9 BT. A cedar, 12 ins. in diam., bears S.65 1/2°W., 102 lks. dist., marked 1/4 S8 BT. Continue over rolling land, thru scattering timber and undergrowth.</p>

Survey of Subdivision Lines of T. 40 N., R. 7 E.

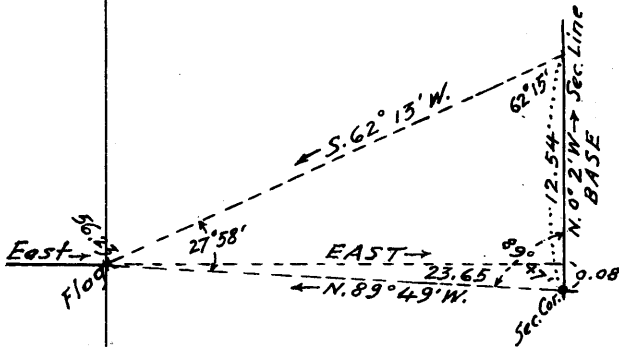
chains 80.00 Asc. gradually over SE. slope to Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 4, 5, 8 & 9, marked on brass cap,

T40N R7E
S5 | S4
S8 | S9
1927

- from which,
- A cedar, 16 ins. in diam., bears N. 21 1/2° E., 104 lks. dist., marked T40N R7E S4 BT
- A cedar, 10 ins. in diam., bears S. 59 1/4° E., 99 lks. dist., marked T40N R7E S9 BT
- A pinyon, 12 ins. in diam., bears S. 50 3/4° W., 63 lks. dist., marked T40N R7E S8 BT
- A pinyon, 18 ins. in diam., bears N. 58 1/2° W., 49 lks. dist., marked T40N R7E S5 BT

Land, rolling. Soil, sandy & rocky, 3rd & 4th rate. Timber, cedar and pinyon. Undergrowth, sagebrush.

40.00 East, on random line, bet. secs. 4 & 9.
56.23 Set temp. 1/4 sec. cor.
Top of Vermilion Cliffs, brs. N. & S., facing E.
Discontinue chaining and triangulate measurement of the remainder of the line as follows:



Set flag on random line at this point.
From the cor. of secs. 3, 4, 9 and 10, measure a Base, 12.54 chs. N. 0° 2' W. along sec. line bet. secs. 3 & 4.
From said sec. cor. the flag bears N. 89° 49' W., with a vertical angle of + 45 1/2°
From N. end of base the flag bears S. 62° 13' W.

Dist. by this triang. = 23.65 chs. S. 89° 49' E., the lat. and dep. of which are 8 lks. S. and 23.65 chs. E.
Length of random line = 56.23 + 23.65 = 79.88 chs.

79.88 Wall 8 lks. N. of cor. of secs. 3, 4, 9 & 10.
Thence,
N. 89° 57' W., on true line, bet. secs. 4 & 9.
Over mountainous land, measurement by triang.
Asc. about 1600 ft. over E. face of Vermilion Cliffs.
23.65 Triang. point at top of Vermilion Cliffs, bearing N. & S., facing E.
Continue line and measurement by chaining.
Over heavily rolling land, thru scattering timber and undergrowth. Asc. 156 ft. over E. slope to
39.94 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in ground, for 1/4 sec. cor. of secs. 4 & 9, marked on brass cap,

1/4 S4
S9
1927

- from which,
- A cedar, 18 ins. in diam., bears N. 15 1/4° E., 160 lks. dist., marked 1/4 S4 BT
- A pinyon, 22 ins. in diam., bears S. 10° E., 170 lks. dist., marked 1/4 S9 BT

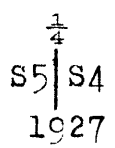
72.78 Asc. 123 ft. over E. slope.
Top of rocky butte, bears NW. & SE.
79.88 Desc. 25 ft. over W. slope to
The cor. of secs. 4, 5, 8 & 9.

Survey of Subdivision Lines of T. 40 N., R. 7 E.

chains. Land, mountainous and rolling.
 Soil, rocky and sandy, 3rd & 4th rate.
 Timber, cedar & pinyon.
 Undergrowth, cactus, mormon tea & rabbit brush.

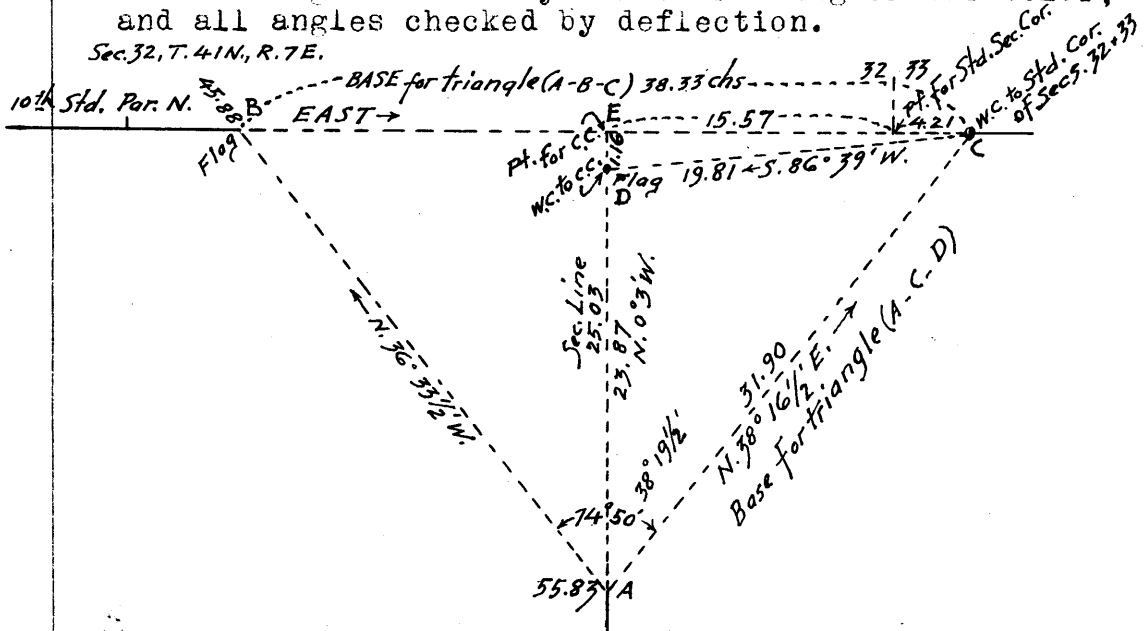
N.0°3'W., on true line, bet. secs. 4 & 5.
 Over rolling land, thru scattering timber & undergrowth.
 Asc. 20 ft. over SW. slope.

13.80 Top of ascent. Desc. 140 ft. over N. slope to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 7 ins. in ground to bedrock, 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. of secs. 4 & 5, marked on brass cap,



from which,
 A cedar, 12 ins. in diam., bears N.55 1/4° E., 194 lks. dist., marked 1/4 S4 BT
 A cedar, 10 ins. in diam., bears S.65 1/2° W., 86 lks. dist., marked 1/4 S5 BT

55.83 Desc. 191 ft. over broken N. slope to Top of Vermilion Cliffs, bearing E. & W., facing N. Discontinue chaining at this point, and triangulate measurement of remainder of the line as follows: Designate this point as (A) and point for closing cor. of secs. 4 & 5 on 10th Std. Par. N. as point (E). Set flag (B) on the Parallel at 45.88 ch. station of S. bdy. of sec. 32, flag (C) at witness cor. to std. cor. of secs. 32 & 33, and flag (D) ahead on sec. line. The vertical angle (A) to (D) is - 35°. Bearing (A*B) is N.36°33 1/2' W., bearing (A-C) is N.38°16 1/2' E., and bearing (C-D) is S.86°39' W. The base (B-C) on the 10th Std. Par. N. is E., 38.33 chs. All bearings checked by direct reading of the solar, and all angles checked by deflection.



Dist. (A*C) by triang. = 31.90 chs. N.38°16 1/2' E.
 Dist. (C-D) " " = 19.81 " S.86°39' W., the latitude and departure of which are 19.16 chs. South and 19.78 chs. West, respectively.
 Dist. (A-D) by triang. = 23.87 chs. N.0°3' W.
 Dist. (C-E) " " = 19.78 " West., which minus 4.21 chs. (W.C. to sec. cor. pt.) gives a closing dist. of 15.57 chs. (E) to sec. cor. pt.

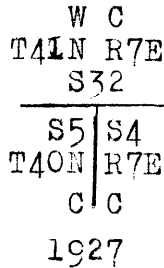
Dist. chained on sec. line = 55.83 chs. N.0°3' W.
 Dist. (A-E.) by triang. = 25.03 " " "
 Total length of sec. line = 80.86 " N.0°3' W.

77.00 (Approx.) Bottom of canyon, course NE.
 Asc. over precipitous SE. slope

Survey of Subdivision Lines of T. 40 N., R. 7 E.

chains
79.70

Triang. point (D) at foot of cliff, facing SE., about 1000 ft. below Rim of Vermilion Cliffs at 55.83 ch. station on sec. line. The sec. line beyond this point is impassible, therefore establish witness cor. to closing cor. of secs. 4 & 5 at this point, as follows:
set an iron post, 3 ft. long, 2 ins. in diam., 3 ins. in ground to bedrock, deposit a stone marked with a cross (X) at base of post, and raise a mound of stone around post, for witness cor. to closing cor. of secs. 4 & 5, with brass cap marked,



80.86

Asc. over SE. face of cliff.
Intersect the 10 th Std. Par. N. at 15.57 chs. West from true point for std. cor. of secs. 32 & 33, T. 41 N., R. 7 E. witnessed 4.21 chs. E. as hereinbefore described.
This point of intersection and point for closing cor. of secs. 4 & 5 falls on face of cliff and is inaccessible therefore establish W. C. at 1.16 chs. S. 0° 3' E., as described above.

Land, rolling and mountainous.
Soil, sandy and rocky, 4th rate.
Timber, cedar and pinyon.
Undergrowth, yucca and cactus.

From the cor. of secs. 5, 6, 31 & 32, on S. bdy. of Tp., hereinbefore described,
N. 0° 3' W., on true line, bet. secs. 31 & 32.
Over mountainous land, thru scattering undergrowth.
Asc. 551 ft. over steep SE. slope.

21.00

Spur, slopes E. Desc. 70 ft. over NE. slope.

40.00

Point for 1/4 sec. cor. of secs. 31 & 32 falls in wash, 10 lks. wide, course East, therefore establish witness cor. at 17 lks. N. 0° 3' W.

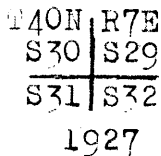
40.17

Set an iron post, 3 ft. long, 1 in. in diam., 7 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post and raise a mound of stone around post, for witness cor. to 1/4 sec. cor. of secs. 31 & 32, with brass cap marked



42.20
66.10
80.00

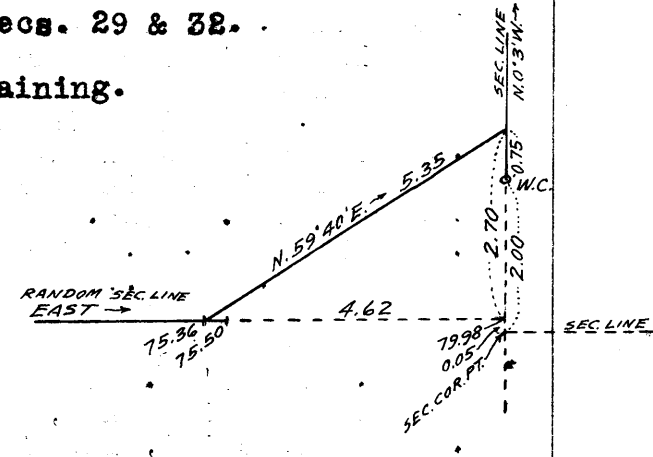
asc. 32 ft. over S. slope.
Spur, slopes E. Desc. 240 ft. over N. slope.
Ravine, course E. Asc. 224 ft. over SE. slope to
Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in ground to bedrock, deposit a stone marked with a cross (X) at base of post and raise a mound of stone around post, for cor. of secs. 29, 30, 31 & 32, marked on brass cap,



Land, mountainous. Soil, rocky, 4th rate.
Timber, none. undergrowth, sagebrush.

Survey of Subdivisional Lines of T. 40 N., R. 7 E.

Chains East, on random line, bet. secs. 29 & 32.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 75.36 Traverse point. Continue chaining.
 75.50 N. rim of gulch, brs. NE. & SW. Discontinue chaining and measure the remainder of the line by traverse as follows:



From 75.36 ch. station on random sec. line N. 59° 40' E., 5.35 chs. to a point 75 lks. N. of the W. C. to cor. of secs. 28, 29, 32 & 33, which is 2.00 chs. N. 0° 3' W., from sec. cor. point.

The lat. and dep. of this traverse are 2.70 chs. N., and 4.62 chs. E.

Dist. chained on random line	=	75.36	chs.	East
Departure of traverse	=	4.62	"	"
Length of random sec. line	=	79.98	"	"

The random line will therefore at

79.98 Fall 5 lks. N. of true point for cor. of secs. 28, 29, 32 and 33.

Thence N. 89° 58' W., on true line, bet. secs. 29 and 32. Over mountainous land. Ascend 165 ft. over cliffs facing SE.

Measurement by traverse as hereinbefore described.

4.48 Top of cliffs and N. rim of gulch, bearing NE. & SW. Continue line and measurement by chaining. Enter rolling land. Asc. gradually over E. slope.
 16.98 Enter mountainous land. Asc. 85 ft. over E. slope.
 22.00 Spur, slopes NE. Desc. 64 ft. over NW. slope.
 30.00 Asc. 130 ft. over NE. slope to
 39.99 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in ground to bed rock, deposit a stone marked with a cross (X) at base of post and raise a md. of stone around post, for $\frac{1}{4}$ sec. cor. of secs. 29 and 32, with brass cap marked

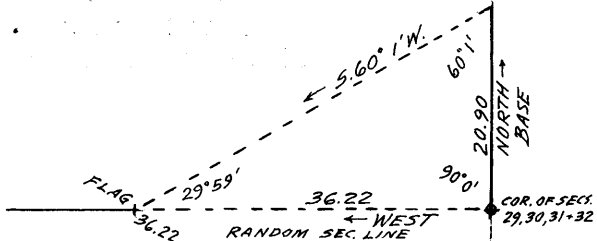
$\frac{1}{4}$ $\frac{S 29}{S 32}$
 1927

Asc. 85 ft. over NE. slope.
 48.77 Desc. 20 ft. over NW. slope.
 52.00 Asc. 200 ft. over NE. slope to
 70.00 Spur, slopes SE. Ascend 160 ft. over S. slope to
 79.98 The cor. of secs. 29, 30, 31 and 32.
 Land, mountainous and rolling.
 Soil, rocky, 4th rate.
 Timber, none.
 Undergrowth, sagebrush.

West, on random line, bet. secs. 30 and 31. Precipitous broken ascent to top of Vermilion Cliffs, prevents chaining, therefore triangulate as follows:

Set flag ahead on random line at top of Vermilion Cliffs.
 From cor. of secs. 29, 30, 31 and 32, measure a base, North, 20.90 chs.

From N. end of base the flag bears S. 60° 01' W.



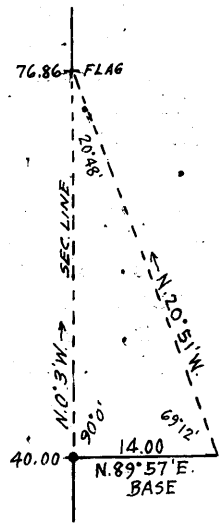
Survey of Subdivisional Lines of T. 40 N., R. 7 E.

- Chains From S. end of base the vertical angle to flag is $+38\frac{1}{2}^\circ$.
All bearings checked by direct reading of the solar and
all angles checked by deflection
Dist. by this triangulation = 36.22 chs. West.
- 36.22 Flag point of above described triangulation.
Continue line and measurement by chaining.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 78.30 Fall 3 lks. N. of cor. of secs. 25, 30, 31 and 36 on W.
bdy. of Tp., which is an iron post, described in Book
"D" of this group.
- Thence
N. $89^\circ 59'$ E., on true line, bet. secs. 30 and 31.
Over rolling land, thru scattering timber and undergrowth.
- 6.90 Top of cliff, 125 ft. high, bearing NE. and SW., facing
SE.
- 7.20 Foot of same cliff. Thence over rolling land.
Desc. 160 ft. over SE. and E. slope to.
- 38.30 Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in
ground to bed rock, deposit a stone marked with a
cross (X) at base of post, and raise a md. of stone
around post, for $\frac{1}{4}$ sec. cor. of secs. 30 and 31,
marked on brass cap.
- $\frac{1}{4}$ $\frac{S\ 30}{S\ 31}$
1927
- From which
A pinyon, 10 ins. diam., brs. S. $47\frac{3}{4}^\circ$ E., 65 lks.
dist., mkd. $\frac{1}{4}$ S 31 B T.
A cedar, 12 ins. diam., brs. N. $72\frac{1}{4}^\circ$ W., 40 lks. dist.,
mkd. $\frac{1}{4}$ S 30 B T.
- Desc. 20 ft. over E. slope to
- 42.08 Triang. point at top of Vermilion Cliffs, about 1500 ft.
above the cor. of secs. 29, 30, 31 and 32. Cliffs
bear NW. and S., facing E. and NE.
Discontinue chaining at this point.
Measurement of remainder of line by triangulation.
- 78.30 The cor. of secs. 29, 30, 31 and 32.
Land, rolling and mountainous.
Soil, sandy and rocky, 4th rate.
Timber, cedar and pinyon.
Undergrowth, blackbrush and yucca.
-
- N. $0^\circ 3'$ W., on true line, bet. secs. 29 and 30.
Over mountainous land, thru scattering undergrowth.
Asc. 85 ft. over S. slope.
- 15.00 Spur, slopes E. Desc. 328 ft. over NE. slope.
- 36.62 Wash, 20 lks. wide, in gulch, course NE. Asc. 95 ft.
over S. slope to
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 11 ins. in
ground to bedrock, deposit a stone marked with a cross
(X) at base of post and raise a md. of stone around
post, for $\frac{1}{4}$ sec. cor. of secs. 29 and 30, mkd. on brass
cap
- $\frac{1}{4}$
S 30 | S 29
1927

Discontinue chaining at this cor., owing to precipitous
ascent over S. face of Vermilion Cliffs.
Triangulate measurement to top of cliffs as follows:

Survey of Subdivisional Lines of T. 40 N., R. 7 E.

Chains Set flag ahead on sec. line at top of cliffs.
 From $\frac{1}{4}$ sec. cor. measure a base N. $89^{\circ} 57' E.$, 14.00 chs.
 From E. end of base, the flag bears N. $20^{\circ} 51' W.$
 From $\frac{1}{4}$ sec. cor. the vertical angle to flag is $+39^{\circ}$.
 All bearings checked by direct reading of the solar and all angles checked by deflection.
 Dist. chained on sec. line = 40.00 chs. N. $0^{\circ} 3' W.$
 Dist. by this triangulation = 36.86 chs. N. $0^{\circ} 3' W.$
 Sec. cor. to flag point = 76.86 chs. N. $0^{\circ} 3' W.$



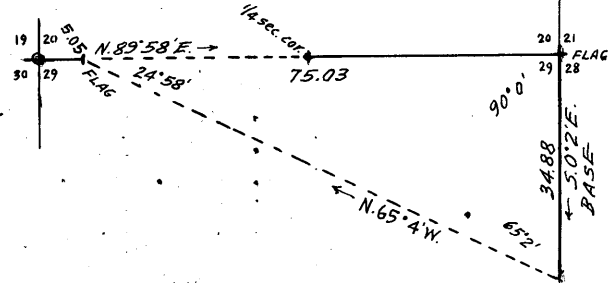
76.86 Flag point of above described triangulation at top of Vermilion Cliffs, bearing E. & W., facing S., about 1550 ft. above the $\frac{1}{4}$ sec. cor. of secs. 29 & 30.
 Continue line and measurement by chaining.
 Enter rolling land. Ascend gradually over SE. slope to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., over a cross (X) marked on surface rock, and raise a md. of stone around post, for cor. of secs. 19, 20, 29 and 30, mkd. on brass cap.

T 40 N R 7 E
 S 19 | S 20
 S 30 | S 29
 1927

From which
 A pinyon, .6 ins. in dia., brs. S. $40\frac{1}{2}^{\circ} E.$, 95 lks. dist., marked T. 40 N., R. 7 E., S. 29 B T.
 A pinyon, 10 ins. in diam., brs. S. $26\frac{1}{2}^{\circ} W.$, 68 lks. dist., marked T 40 N R 7 E S 30 B T.
 A pinyon, 8 ins. in diam., brs. N. $40\frac{1}{2}^{\circ} W.$, 88 lks. dist., marked T 40 N R 7 E S 19 B T.
 U. S. Geological Survey monument brs. N. $41^{\circ} 1' W.$, on top of butte.
 Land, mountainous and rolling.
 Soil, sandy and rocky, 4th rate.
 Timber, cedar and pinyon.
 Undergrowth, blackbrush.

N. $89^{\circ} 58' E.$, on random line, bet. secs. 20 and 29, a flag on objective sec. cor. being visible on such bearing.
 5.05 Top of Vermilion Cliffs, brs. N. & S. Precipitous descent prevents continuation of chaining. Triangulate as follows:

Set flag at this point.
 From the cor. of secs. 20, 21, 28 and 29, measure a base S. $0^{\circ} 2' E.$, 34.88 chs.
 From S. end of base the flag bears N. $65^{\circ} 4' W.$
 From cor. of secs. 20, 21, 28 and 29, the vertical angle to flag is $+23^{\circ}$.



All bearings checked by direct reading of the solar and all angles checked by deflection.

Survey of Subdivisional Lines of T. 40 N., R. 7 E.

Chains	Dist chained on random line = 5.05 chs., N. 89° 58' E. Dist. by this triangulation = 75.03 " " " " " Length of random sec. line = 80.08 " " " "
80.08	Triang. point on the cor. of secs. 20, 21, 28 and 29. Thence S. 89° 58' W., on true line, bet. secs. 20 and 29. Over mountainous land, thru scattering undergrowth. Chaining measurement to $\frac{1}{4}$ sec. cor. Asc. 55 ft. over S. slope to
9.90	Ascend 75 ft. over E. slope.
21.60	Spur, slopes SE. Desc. 100 ft. over SW. slope.
29.10	Ravine, course SE. Asc. 350 ft. over steep E. slope to
40.04	Set an iron post, 3' ft. long, 1 in. in diam., 27 ins. in ground, for $\frac{1}{4}$ sec. cor. of secs. 20 and 29, marked on brass cap
	$\frac{1}{4} \frac{S 20}{S 29}$ 1927
	Raise a md. of stone, 4 ft. base, 2 ft. high, N. of cor. Beyond this cor. precipitous ascent over Vermilion Cliffs, prevents chaining. Measurement to top of cliffs by triangulation, hereinbefore described.
75.03	Triangulation point at top of Vermilion Cliffs, bearing NW. and S., facing E., about 1950 ft. above the $\frac{1}{4}$ sec. cor. of secs. 20 and 29. Continue line and measurement by chaining. Enter rolling land, scattering timber and undergrowth. Asc. 50 ft. over SE. slope to
80.08	The cor. of secs. 19, 20, 29 and 30. Land, mountainous and rolling. Soil, rocky, 4th rate. Timber, cedar and pinyon in W. 5 chs. only, none elsewhere. Undergrowth, black brush.
10.24	West, on random line, between secs. 19 and 30. Triangulation point. Continue chaining to
12.00	Top of Vermilion Cliffs, bearing NW. & SE., facing SW. Beyond this point the line crosses a deep canyon with cliffs on both sides and chaining is impracticable, therefore triangulate measurement as follows: Set flag ahead on random line at top of Vermilion Cliffs on W. rim of canyon. From 10.24 ch. station on random line measure a base S. 4° 54' W., 5.00 chs. From S. end of base the flag bears N. 79° 45' W. All bearings checked by di- rect reading of the solar and all angles checked by deflection.
	Dist. chained on random line = 10.24 chs. West. Dist. by this triangulation = 27.98 " " " Dist. sec. cor. to flag = 38.22 chs. West.
38.22	Flag point of above described triangulation at top of Vermilion Cliffs. Continue line and measurement by chaining.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
78.24	Fall 3 lks. N. of the cor. of secs. 19, 24, 25 and 30 on W. bdy. of Tp., which is an iron post, described in Book "D" of this group.

Survey of Subdivisional Lines of T. 40 N., R. 7 E.

Chains Thence
 N. 89° 59' E., on true line, bet. secs. 19 and 30.
 Over rolling land, thru scattering timber and undergrowth.
 Desc. 75 ft. over NE. slope to
 32.00 Enter mountainous land. Desc. 107 ft. over steep broken
 E. slope to
 38.24 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
 ground, for $\frac{1}{4}$ sec. cor. of secs. 19 and 30, with brass
 cap marked .

$\frac{1}{4}$ S 19
 S 30
 1927

From which
 A pinyon, 14 ins. diam., brs. S. 14 $\frac{3}{4}$ ° E., 41 lks. dist.,
 mkd. $\frac{1}{4}$ S 30 B T.
 A pinyon, 8 ins. diam., brs. N. 44° W., 63 lks. dist.,
 mkd. $\frac{1}{4}$ S 19 B T.
 U. S. Geological Survey monument on top of a butte, bears
 N. 64° 24' E.

Desc. 25 ft. over E. slope to
 49.02 Triangulation point at top of Vermilion Cliffs, bearing
 NE. and SW., facing SE., and forming W. rim of canyon.
 Discontinue chaining and triangulate across canyon as
 hereinbefore described.
 49.00 (Approx.) Bottom of canyon, course S., about 900 ft. below
 top of Vermilion Cliffs. Asc. over cliffs, facing SW.
 66.24 Top of Vermilion Cliffs, bearing NW. and SE., forming E.
 rim of canyon. Continue line and measurement by
 chaining, over rolling land. Asc. 25 ft. over SW. slope
 68.00 Descend 35 ft. over S. and SE. slopes to
 78.24 The cor. of secs. 19, 20, 29 and 30.
 Land, rolling and mountainous.
 Soil, sandy and rocky, 4th rate.
 Timber, cedar, pinyon and pine.
 Undergrowth, blackbrush.

N. 0° 3' W., on true line, bet. secs. 19 and 20.
 Over rolling land, thru scattering timber and undergrowth
 Asc. 90 ft. over SE. and E. slopes.

29.00 Desc. 48 ft. over NE. slope to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
 ground, for $\frac{1}{4}$ sec. cor. of secs. 19 and 20, with brass
 cap marked

$\frac{1}{4}$
 S 19 | S 20
 1927

From which
 A cedar, 36 ins. in diam., brs. N. 83° E., 94 lks.
 dist., mkd. $\frac{1}{4}$ S 20 B T.
 A pinyon, 14 ins. in diam., brs. N. 84 $\frac{3}{4}$ ° W., 108
 lks. dist., mkd. $\frac{1}{4}$ S 19 B T.

Continue over rolling land, thru scattering timber and
 undergrowth. Desc. 120 ft. over NE. slope to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in
 ground to bedrock, and raise a md. of stone around
 post, for cor. of secs. 17, 18, 19 and 20, with brass
 cap marked

T 40 N R 7 E
 S 18 | S 17
 S 19 | S 20
 1927

Survey of Subdivision Lines of T. 40 N., R. 7 E.

Chains From which

A cedar, 14 ins. in diam., brs. N. 82 $\frac{1}{2}$ ° E., 112 lks.

dist., mkd. T 40 N R 7 E S 17 B T.

A cedar, 6 ins. in diam., brs. S. 66 $\frac{1}{4}$ ° E., 100 lks.

dist., mkd. T 40 N R 7 E S 20 B T.

A cedar, 14 ins. in diam., brs. S. 50° W., 104 lks.

dist., mkd. T 40 N R 7 E S 19 B T.

A cedar, 8 ins. in diam., brs. N. 8° W., 55 lks. dist., mkd. T 40 N R 7 E S 18 B T.

Land, rolling.

Soil, sandy and rocky, 4th rate.

Timber, cedar and pinyon.

Undergrowth, sagebrush, cactus and yucca.

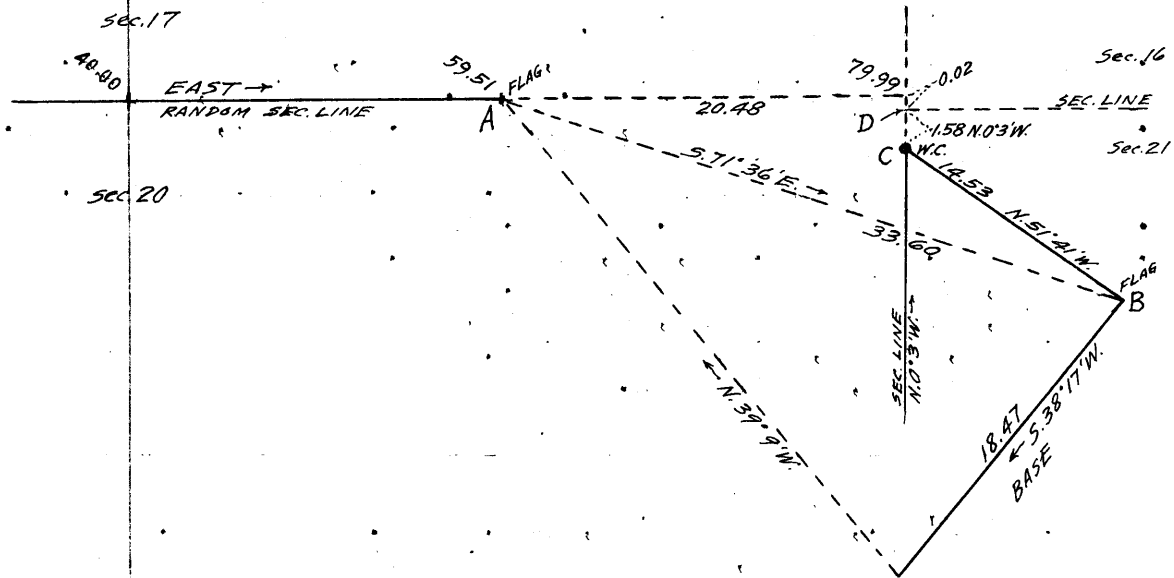
East, on random line, bet. secs. 17 and 20.

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

59.51 Top of Vermilion Cliffs, brs. NE. and SW., facing SE.

Discontinue chaining at this point as the remainder of the line falls on the face of the cliffs.

Obtain measurement of completion of random line and falling of same on the objective sec. cor. point by triangulated and chained traverse as follows:



Set flag (A) at 59.51 ch. station on random line.

Set flag (B) at traverse point S. 71° 36' E., from (A).

From (B) measure a base S. 38° 17' W., 18.47 chs. to a point from which flag (A) bears N. 39° 9' W.

All bearings checked by direct reading of the solar and all angles checked by deflection.

Traverse line (A-B) by triangulation = 33.60 chs. S. 71° 36' E.

From (B) chain measurement N. 51° 41' W., 14.53 chs. to (C) the witness cor. to cor. of secs. 16, 17, 20 and 21, which is 1.58 chs. S. 0° 3' E., from the sec. cor. point (D).

The complete traverse (A-B-C-D) is therefore S. 71° 36' E., 33.60 chs., N. 51° 41' W., 14.53 chs., and N. 0° 3' W., 1.58 chs.

The latitude and departure of this traverse are 2 lks. S., and 20.48 chs. E. respectively.

Dist. chained on random sec. line = 59.51 chs. East

Departure of traverse (A-B-C-D) = 20.48 " "

Total length of random line = 79.99 " "

79.99 Fall 2 lks. N. of true point for cor. of secs. 16, 17, 20 and 21, on face of cliff.

Thence

N. 89° 59' W., on true line, bet. secs. 17 and 20.

Survey of Subdivision Lines of T. 40 N., R. 7 E.

- Chains Over mountainous land, across face of Vermilion Cliffs. Measurement to top of cliffs by traverse hereinbefore described. Ascend about 1200 ft. to
- 20.48 Traverse point at top of Vermilion Cliffs, bearing NE. and SW., facing SE.
- Continue line and measurement by chaining. Over rolling land, thru scattering timber and undergrowth. Asc. 125 ft. over SE. slope to
- 39.99 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for the $\frac{1}{4}$ sec. cor. secs. 17 and 20 with brass cap marked

$$\frac{1}{4} \frac{S 17}{S 20}$$

1927

From which

- A cedar, 14 ins. in diam., bears S. 31° W., 234 lks. dist., marked $\frac{1}{4}$ S 20 B T.
- A cedar, 14 ins. in diam., bears N. $50\frac{1}{2}^{\circ}$ W., 119 lks. dist., marked $\frac{1}{4}$ S 17 B T.
- Asc. 63 ft. over SE. slope.
- 48.89 Spur, slopes NE. Desc. 33 ft. over NW. slope.
- 59.90 Draw, course NE.
- Asc. 69 ft. over NE. slope to
- 79.99 The cor. of secs. 17, 18, 19 and 20. Land, mountainous and rolling. Soil, rocky, 4th rate. Timber, cedar and pinon in W. 59. chs. only. Undergrowth, sage brush and yucca.

- West, on a random line, bet. secs. 18 and 19.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 78.16 Fall 7 lks. N. of the cor. of secs. 13, 18, 19 and 24, on the W. bdy. of Tp., described in Book "D" of this group.
- Thence N. 89° 57' E., on true line, bet. secs. 18 and 19. Over rolling land, thru scattering timber and undergrowth. Desc. 76 ft. over SE. slope to
- 38.16 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for the $\frac{1}{4}$ sec. cor. of secs. 18 and 19, with brass cap marked

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

1927

From which

- A cedar, 18 ins. in diam., bears S. $40\frac{1}{2}^{\circ}$ E., 175 lks. dist., marked $\frac{1}{4}$ S 19 B T.
- A cedar, 20 ins. in diam., bears N. 36° W., 144 lks. dist., marked $\frac{1}{4}$ S 18 B T.
- Continue over rolling land, thru scattering timber and undergrowth. Desc. 20 ft. over SE. slope.
- 45.00 Center of small valley, draining NE. Asc. 66 ft. over NW. slope.
- 70.00 Desc. gradually over N. slope to
- 78.16 The cor. of secs. 17, 18, 19 and 20. Land, rolling. Soil, sandy, 3rd rate. Timber, cedar and pinon. Undergrowth, sagebrush and yucca.

Survey of Subdivision Lines of T. 40 N., R. 7 E.

Chains N. $0^{\circ} 03'$ W., on a true line, bet. secs. 17 and 18.
Over rolling land, thru scattering timber and undergrowth.
Desc. 55 ft. over N. slope.
20.00 Center of small valley, drains NE.
Asc. gradually over SE. slope to
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in
the ground, for the $\frac{1}{4}$ sec. cor. of secs. 17 and 18,
with brass cap marked

$$\begin{array}{c} \frac{1}{4} \\ \text{S } 18 \quad | \quad \text{S } 17 \\ 1927 \end{array}$$

From which

A cedar, 20 ins. in diam., bears N. $84\frac{3}{4}^{\circ}$ E., 5.17 Chs.
dist., marked $\frac{1}{4}$ S 17 B T.
A cedar, 25 ins. in diam., bears S. 5° W., 4.00 Chs.
dist., marked $\frac{1}{4}$ S 18 B T.

Continue over rolling land, thru scattering timber and
undergrowth. Asc. gradually over SE. and E. slopes to
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins.
in the ground, for the cor. secs. 7, 8, 17 and 18
with brass cap marked

$$\begin{array}{c} \text{T } 40 \text{ N } \quad \text{R } 7 \text{ E} \\ \text{S } 7 \quad | \quad \text{S } 8 \\ \text{S } 18 \quad | \quad \text{S } 17 \\ 1927 \end{array}$$

From which

A cedar, 36 ins. in diam., bears N. $1\frac{1}{2}^{\circ}$ E., 279 lks.
dist., marked T 40 N R 7 E S 8 B T.
A cedar, 14 ins. in diam., bears S. $35\frac{1}{2}^{\circ}$ E., 204 lks.
dist., marked T 40 N R 7 E S 17 B T.
A cedar, 14 ins. in diam., bears S. $22\frac{1}{2}^{\circ}$ W., 110 lks.
dist., marked T 40 N R 7 E S 18 B T.
A cedar, 12 ins. in diam., bears N. $65\frac{1}{2}^{\circ}$ W., 67 lks.
dist., marked T 40 N R 7 E S 7 B T (tree partly
dead).

Land, rolling.

Soil, sandy, 3rd rate.

Timber, cedar and pinon.

Undergrowth, sagebrush, cactus and yucca.

East, on a random line, bet. secs. 8 and 17.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.06 Fall 2 lks. N. of the cor. of secs. 8, 9, 16 and 17.
Thence,
N. $89^{\circ} 59'$ W., on a true line, bet. secs. 8 and 17.
Over rolling land, thru scattering timber and under-
growth. Asc. 45 ft. over E. slope.
6.50 Low ridge, brs. N. and S. Desc. 25 ft. over W. slope.
31.50 Asc. 30 ft. over E. slope to
40.03 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in
the ground, for the $\frac{1}{4}$ sec. cor. secs. 8 and 17, with
brass cap marked

$$\begin{array}{c} \frac{1}{4} \quad \text{S } 8 \\ \text{S } 17 \\ 1927 \end{array}$$

From which

A cedar, 10 ins. in diam., bears N. $63\frac{1}{2}^{\circ}$ E., 64 lks.
dist., marked $\frac{1}{4}$ S 8 B T.
A cedar, 6 ins. in diam., bears S. $46\frac{1}{4}^{\circ}$ E., 88 lks.
dist., marked $\frac{1}{4}$ S 17 B T.

Survey of Subdivision Lines of T. 40 N., R. 7 E.

Chains Continue over rolling land, thru scattering timber and undergrowth. Asc. 53 ft. over E. slope to
 80.06 The cor. of secs. 7, 8, 17 and 18.
 Land, rolling.
 Soil, sandy, 3rd and 4th rate.
 Timber, cedar and pinon.
 Undergrowth, sage brush, yucca and grass.

 West, on a random line, bet. secs. 7 and 18.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 78.16 Fall 1 lk. N. of the cor. of secs. 7, 12, 13 and 18, on the W. bdy. of Tp., described in Book "D" of this group.
 Thence,
 East, on a true line, bet. secs. 7 and 18.
 Over rolling land thru scattering timber and undergrowth.
 Asc. 65 ft. over NW. slope to
 38.16 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to bed rock, and raise a mound of stone around post, for the $\frac{1}{4}$ sec. cor. of secs. 7 and 18, with brass cap marked

$\frac{1}{4}$ $\frac{S 7}{S 18}$
 1927

From which
 A cedar, 16 ins. in diam., bears N. 1° E., 387 lks. dist., marked $\frac{1}{4}$ S 7 B T.
 A cedar, 16 ins. in diam., bears S. 9° W., 274 lks. dist., marked $\frac{1}{4}$ S 18 B T.
 Asc. 92 ft. over W. slope.
 48.67 Top of rocky ridge, bearing NW. and SE. Desc. 21 ft. over NE. slope.
 52.26 Draw, course NW. Asc. 24 ft. over W. slope.
 58.16 Top of ridge, bears N. and S. Desc. 138 ft. over E. slope to
 78.16 The cor. of secs. 7, 8, 17 and 18.
 Land, rolling.
 Soil, sandy and rocky, 3rd and 4th rate.
 Timber, cedar and pinon.
 Undergrowth, sage brush, yucca and grass.

 N. 0° 03' W., on a true line bet. secs. 7 and 8.
 Over rolling land, thru scattering timber and undergrowth.
 Desc. 83 ft. over E. slope to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in the ground to bed rock, and raise a mound of stone around post, for the $\frac{1}{4}$ sec. cor. secs. 7 and 8 with brass cap marked

$\frac{1}{4}$
 S 7 | S 8
 1927

From which
 A cedar, 30 ins. in diam., bears S. 41 $\frac{1}{2}$ ° E., 90 lks. dist., marked $\frac{1}{4}$ S 8 B T.
 A cedar, 12 ins. in diam., bears S. 8 $\frac{1}{2}$ ° W., 83 lks. dist., marked $\frac{1}{4}$ S 7 B T.
 Continue over rolling land, thru scattering timber and undergrowth. Desc. 45 ft. over NE. slope.
 75.00 Desc. 23 ft. over NW. slope to

Survey of Subdivision Lines of T. 40 N., R. 7 E.

Chains

80.00

Set an iron post 3 ft. long, 2 ins. in diam., 10 ins. in the ground, to bed rock, and raise a mound of stone around post, for the cor. secs. 5, 6, 7 and 8, with brass cap marked

T 40 N R 7 E
 S 6 | S 5
 S 7 | S 8
 1927

From which

A cedar, 14 ins. in diam., bears N. 25° E., 270 lks.
 dist., marked T 40 N R 7 E S 5 B T.

A cedar, 14 ins. in diam., bears S. 80° E., 262 lks.
 dist., marked T 40 N R 7 E S 8 B T.

A cedar, 6 ins. in diam., bears S. 56½° W., 38 lks.
 dist., marked T 40 N R 7 E S 7 B T.

A cedar, 14 ins. in diam., bears N. 22½° W., 134 lks.
 dist., marked T 40 N R 7 E S 6 B T.

Land, rolling.

Soil, sandy, 3rd and 4th rate.

Timber, cedar, pinon and yellow pine.

Undergrowth, sage brush and cactus.

 East, on a random line, bet. secs. 5 and 8.

40.00 Set temp. ¼ sec. cor.

80.12 Fall 2 lks. N. of the cor. of secs. 4, 5, 8 and 9.

Thence

N. 89° 59' W., on a true line bet. secs. 5 and 8.

40.06 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for the ¼ sec. cor. of secs. 5 and 8, with brass cap marked.

¼ $\frac{S 5}{S 8}$
 1927

From which

A cedar, 10 ins. in diam., bears S. 43½° W., 99 lks.
 dist., marked ¼ S 8 B T.

A cedar, 16 ins. in diam., bears N. 36½° W., 110 lks.
 dist., marked ¼ S 5 B T.

Continue over rolling land, thru scattering timber and undergrowth.

80.12 The cor. of secs. 5, 6, 7 and 8.

Land, rolling.

Soil, sandy, 3rd rate.

Timber, cedar, pinon and yellow pine.

Undergrowth, sage brush and yucca.

 West, on a random line, bet. secs. 6 and 7.

40.00 Set temp. ¼ sec. cor.

77.93 Fall 6 lks. S. of the cor. secs. 1, 6, 7 and 12, on W. bdy. of the T., described in Book "D" of this group.

Thence

S. 89° 57' E., on a true line, bet. secs. 6 and 7.

Over rolling land; thru scattering timber and undergrowth.

Desc, 57 ft, over E. slope.

6.35 Wash, 20 lks. wide, 1 ft. deep, course NE. Asc. 20 ft. over NW. slope.

28.00 Desc, 28 ft. over NE, slope.

Survey of Subdivision Lines of T. 40 N., R. 7 E.

Chains

- 37.78 Wash, 10 lks. wide, course N. Asc.
- 37.93 Set an iron post, 3 ft. long, 1 ins. in diam., 26 ins. in the ground for the $\frac{1}{4}$ sec. cor. secs. 6 and 7 with brass cap marked

$\frac{1}{4}$ $\frac{S. 6}{S 7}$
1927

From which

- A pinon, 14 ins. in diam., bears S. 24° W., 71 lks. dist., marked $\frac{1}{4}$ S 7 B T.
- A cedar, 10 ins. in diam., bears N. 85 $\frac{1}{2}$ ° W., 55 lks. dist., marked $\frac{1}{4}$ S 6 B T.

Asc. 81 ft. over NW. slope.

- 53.93 Spur, slopes N. Desc. 61 ft. over NE. slope.
- 55.93 Wash, 20 lks. wide, course NW. Asc. gradually over NW. slope to
- 77.93 The cor. secs. 5, 6, 7 and 8.
Land, rolling.
Soil, sandy and rocky, 3rd and 4th rate.
Timber, cedar and pinon.
Undergrowth, sage brush.

N. 0° 03' W., on a true line bet. secs. 5 and 6.
Over rolling land, thru scattering timber and undergrowth. Desc. 45 ft. over NW. slope.

- 22.00 Wash, 20 lks. wide, course NE. Asc. 30 ft. over S. slope to
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for the $\frac{1}{4}$ sec. cor. secs. 5 and 6, with brass cap marked

$\frac{1}{4}$
S 6 | S 5
1927

From which

- A cedar, 16 ins. in diam., bears S. 51 $\frac{1}{2}$ ° E., 180 lks. dist., marked $\frac{1}{4}$ S 5 B T.
- A cedar, 10 ins. in diam., bears N. 87 $\frac{3}{4}$ ° W., 68 lks. dist., marked $\frac{1}{4}$ S 6 B T.

Continue over rolling land, thru scattering timber and undergrowth. Asc. 52 ft. over SE. slope.

- 56.50 Top of rocky butte bears E. and W.
Desc. 40 ft. over N. slope to
- 80.76 Intersect the 10th Standard Parallel North, 15.72 chs. W. of the standard cor. of secs. 31 and 32, T. 41 N., R. 7 E., hereinbefore described. At this point of intersection,
Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for the closing cor. of secs. 5 and 6 with brass cap marked

T 41 N R 7 E
 S 31
S 6 | S 5
T 40 N R 7 E
CC
1927

Survey of Subdivision Lines of T. 40 N., R. 7 E.

Chains

From which

A cedar, 18 ins. in diam., bears S. 43° E., 196 lks.
dist., marked T 40 N R 7 E S 5 C C B T,

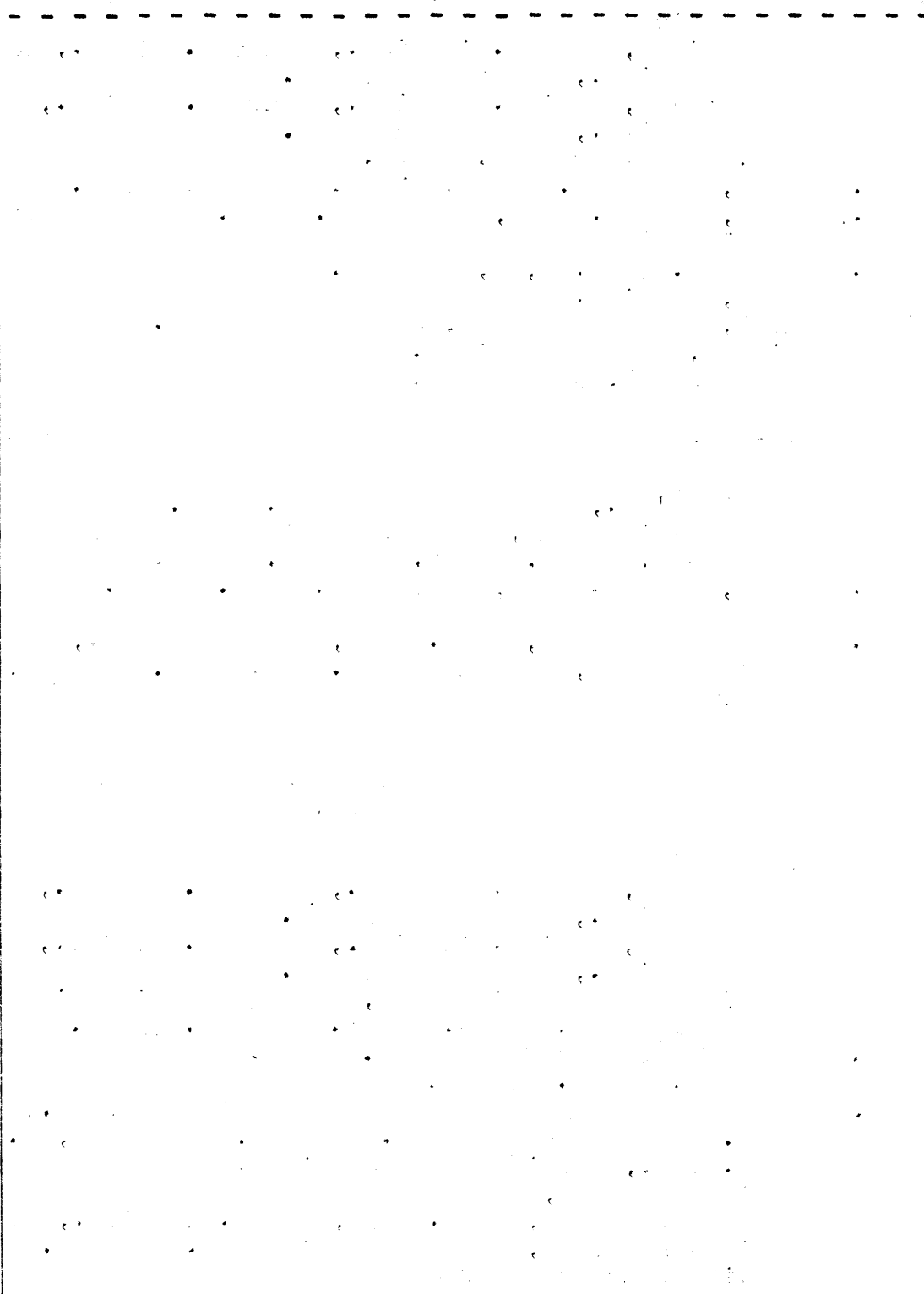
A cedar, 16 ins. in diam., bears S. 23° W., 132 lks.
dist., marked T 40 N R 7 E S 6 C C B T.

Land, rolling.

Soil, sandy, 3rd rate.

Timber, cedar and pinon.

Undergrowth, sage brush.



Meanders of Right Bank of Colorado River in
T. 40 N., R. 7 E.

In Sec. 13.

From the meander cor. of fracl. secs. 13 and 18 on the
E. bdy. of the Tp., hereinbefore described, meander
the right bank of the Colorado River down stream

S. 78 $\frac{1}{2}$ ° W.,	10.60 chs.	
S. 86 $\frac{1}{2}$ ° W.,	31.30 "	
S. 34 $\frac{1}{2}$ ° W.,	20.00 "	
S. 44° W.,	16.77 "	To the meander cor.

of secs. 13 and 24, hereinbefore described.

Land, rolling.

Soil, rocky, 4th rate.

Timber, none.

Undergrowth, black brush and sage brush.

Thence, in sec. 24.

S. 30 $\frac{1}{2}$ ° W.,	8.80 chs.,	
S. 43° W.,	7.00 "	
S. 22 $\frac{1}{2}$ ° W.,	8.00 "	
S. 51 $\frac{1}{2}$ ° W.,	3.99 "	To the meander cor.

of secs. 23 and 24, hereinbefore described.

Land, rolling.

Soil, rocky, 4th rate.

Timber, none.

Undergrowth, black brush.

Thence in sec. 23.

S. 26 $\frac{1}{2}$ ° W.,	25.90 chs.	
S. 48 $\frac{1}{2}$ ° W.,	6.90 "	
S. 84 $\frac{1}{2}$ ° W.,	26.10 "	
S. 46 $\frac{1}{2}$ ° W.,	11.70 "	
S. 18° W.,	9.20 "	
S. 11 $\frac{1}{2}$ ° W.,	10.63 "	To the meander

cor. of secs. 23 and 26, hereinbefore described.

Land, rolling and cliffs.

Soil, rocky, 4th rate.

Timber, none.

Undergrowth, none.

Thence, in sec. 26.

S. 1 $\frac{1}{2}$ ° E.,	6.00 chs.	
S. 3 $\frac{1}{2}$ ° W.,	22.10 "	
S. 17° E.,	10.70 "	
S. 8° W.,	8.30 "	
S. 18 $\frac{1}{2}$ ° W.,	12.90 "	
S. 36 $\frac{1}{2}$ ° W.,	5.30 "	
S. 49 $\frac{1}{2}$ ° W.,	7.20 "	
S. 62 $\frac{1}{2}$ ° W.,	7.90 "	
S. 42 $\frac{1}{2}$ ° W.,	7.35 "	To the meander cor.

of secs. 26 and 27, hereinbefore described.

Land, rolling and cliffs.

Soil, rocky, 4th rate.

Timber, none.

Undergrowth, none.

Meanders of Right Bank of Colorado River in
T. 40 N., R. 7 E.

Thence, in sec. 27.

S. $45\frac{1}{2}^{\circ}$ W., . 4.50 chs. To the meander
cor. of secs. 27 and 34, hereinbefore described.
Land, cliffs.
Soil, rocky, 4th rate.
Timber, none.
Undergrowth, none.

Thence, in sec. 34.

S. $37\frac{1}{2}^{\circ}$ W.,	6.00 chs.	
S. $41\frac{1}{2}^{\circ}$ W.,	14.90 "	
S. $21\frac{3}{8}^{\circ}$ W.,	3.90 "	
S. $28\frac{1}{8}^{\circ}$ W.,	12.70 "	
S. 12° W.,	18.60 "	
S. $18\frac{3}{4}^{\circ}$ W.,	14.70 "	
S. $51\frac{1}{2}^{\circ}$ W.,	20.20 "	To the meander

cor. of secs. 3 and 34 on the S. bdy. of the Tp.,
hereinbefore described.
Land, cliffs.
Soil, rocky, 4th rate.
Timber, none.
Undergrowth, none.

Meanders of Left Bank of Colorado River in
T. 40. N., R. 7 E.

From the true point for meander cor. of secs. 3 and 34 on
the S. bdy. of Tp., hereinbefore described, meander
the left bank of the Colorado River, up stream.

In Sec. 34.

N. 7½° E.,	5.70 chs.	
N. 21¼° E.,	58.80 "	
N. 25½° E.,	4.90 "	
N. 47¼° E.,	13.50 "	To the meander cor.

of secs. 34 and 35, hereinbefore described.
Land, cliffs.
Soil, rocky, 4th rate.
Timber, none.
Undergrowth, none.

Thence, in sec. 35.

N. 36° E.,	7.58 chs,	To the meander
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cor. of secs. 26 and 35, hereinbefore described.
Land, cliffs.
Soil, rocky, 4th rate.
Timber, none.
Undergrowth, black brush.

Thence, in sec. 26.

N. 51° E.,	3.62 chs.	
N. 68° E.,	2.90 chs.	
N. 48¼° E.,	18.90 "	
N. 24¼° E.,	16.50 "	
N. 5¾° W.,	24.20 "	
N. 6° E.,	23.50 "	
N. 8½° E.,	1.70 "	To the meander

cor. of secs. 23 and 26, hereinbefore described.
Land, cliffs.
Soil, rocky, 4th rate.
Timber, none.
Undergrowth, black brush.

Thence, in sec. 23.

N. 3½° E.,	8.63 chs.	
N. 26¼° E.,	12.30 "	
N. 81¼° E.,	9.60 "	
N. 87¼° E.,	7.10 "	
S. 86¼° E.,	9.80 "	
N. 54¼° E.,	7.70 "	
N. 45¼° E.,	14.50 "	To the meander

cor. of secs. 23 and 24, hereinbefore described.
Land, rolling and cliffs.
Soil, rocky, 4th rate.
Timber, none.
Undergrowth, black brush and sage brush.

Thence, in sec. 24.

N. 27¼° E.,	10.96 chs.	
N. 27¾° E.,	6.00 "	
N. 33° E.,	17.50 "	
N. 54¼° E.,	5.90 "	
N. 63¾° E.,	15.00 "	
N. 67¼° E.,	12.10 "	To the meander

Boundaries of Township 40 North, Range 7 East.

Latitudes, Departures and Closing Errors.						
Line designated	True course	Dist- ance.	Latitudes		Departures	
			N.	S.	E.	W.
South Boundary	West	478.38				478.38
West Boundary	North	480.71	480.71			
North Boundary (10th Std. Par. North)	East	478.21			478.21	
East Boundary	South	480.64		480.64		
Convergency					.55	
Totals			480.71	480.64	478.76	478.38
			480.64		478.38	
<u>Error in latitude</u>			0.07			
<u>Error in departure</u>					0.38	

FINAL TEST OF INSTRUMENTS.

March 15, 1927: In camp near quarter-section cor. of secs. 13 and 18 on E. bdy. of T. 40 N., R. 7 E., examine the adjustments of the instruments and find no errors. Then, to test the adjustments of the solar attachments, proceed as follows:

At 9 h. 00 m., a.m., app. t., set off 36° 52' N., on the lat arcs, 2° 19½' S., on the decl. arcs and determine meridians with the solars which agree with the true meridian determined by Polaris observation, Feb. 19, 1927 as described in Book "H".

At app. noon, with lat. arcs unchanged, observe the sun on the meridian; the resultant reading of each of the decl. arcs is 2° 17' S., which agrees with the calculated declination of the sun.

At 4 h. 00 m., p.m., app. t., with the lat. arcs unchanged set off 2° 12' S., on the decl. arcs, and determine meridians with the solars which agree with the true meridian.

As all of the observations taken within the usual hours of solar work agree within 1½' of the true meridian conclude that the adjustments of the instruments have been maintained during the survey of this township.

GENERAL DESCRIPTION.

This township contains a variety of land from plains to mountains, and the soil ranges from clay to sandy loam. The soil of the bottom land of Paria Creek in the eastern portion of the township is generally rich sandy loam capable of producing abundant crops of hay and fruit, with irrigation.

Paria Creek traverses the township entering same near the

NE. cor. of sec. 3 and entering the Colorado River near the central part of sec. 13

The Colorado River, course SW., flows a permanent stream thru the township; entering near the quarter-section cor. of secs. 13 and 18 on the E. bdy. of the Tp., and leaving the township at the $\frac{1}{4}$ sec. cor. of secs. 3 and 34 on the S. bdy.

The Vermilion Cliffs, in west half of the township, vary in elevation from 2000 to 3330 ft.

The only known timber within the township is located on the plateau above the Vermilion Cliffs, and consists of cedar, pinon and scattering yellow pine.

A good road traverses the township from Kanab, Utah, to Lee's Ferry in Sec. 18 of T. 40 N., R. 8 E., and also to Flagstaff, Arizona.

There are no known minerals within the township.

The portion of this township-situated east of the Colorado River is within the Navajo Indian Reservation.

TRANSITMAN
CERTIFICATE OF UNITED STATES SURVEYOR.

I, *Otis O. Gould* U.S. Transitman, ~~U. S. Surveyor~~, hereby certify upon honor that, in pursuance of special instructions received from the ^{U. S. District Cadastral Engineer}~~U. S. Surveyor General~~ for *for Group 139, Arizona*, bearing date of the *23rd* day of *April*, 1926, 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,

and
Meanders of the Right and Left Banks of the Colorado River
within
Township 40 North, Range 7 East of the *Gila and Salt*
*River Base*nd 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. District Cadastral Engineer}~~U. S. Surveyor General~~ for *for Group 139, Arizona* and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Place: *San Francisco, California* _____ *Otis O. Gould*
 Date: *May 13, 1927* _____ *U. S. Transitman. 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.

I, William E. Hiester, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the ^{U.S. District Cadastral Engineer,} ~~U. S. Surveyor General for~~ for Group 139, Arizona bearing date of the 23rd day of April, 1926, 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 Tenth Standard Parallel North in Range 7 East
the South boundary, East boundary and
Subdivision Lines of,
and Meanders of Left Bank of the Colorado River within
Township 40 North, Range 7 East 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. District Cadastral Engineer,} ~~U. S. Surveyor General for~~ for Group 139, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Place: San Francisco CalifWilliam E. Hiester

U. S. Surveyor.

Date: May 14, 1927

APPROVAL.

OFFICE OF THE U.S. SUPERVISOR OF SURVEYS,

Denver, Colorado, Feb. 23, 1928.

The foregoing field notes of the survey of the 10th Standard Parallel North thru
Range 7 East,
the South and East boundaries and
Subdivision Lines of,
and Meanders of Right and Left Banks of Colorado River within
Township 40 North, Range 7 East
of the Gila and Salt River Base and Meridian, in the State of Arizona executed by William E. Hiester, U.S. Surveyor and Otis O. Gould, U.S. Transitman under ~~his~~ special instructions dated April 23, 1926 for Group 139 Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Samuel A. Johnson
U. S. Supervisor of Surveys.

~~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.~~