

FIELD NOTES

OF THE SURVEY OF

Part (Completion) of the East Boundary

All of the North Boundary

and

Part (Completion) of the Subdivision Lines of

Township 29 North, Range 7 East

Of the Gila and Salt River Base and Meridian,

In the State of Arizona
Entire township is within the Navajo Indian Reservation - Ex. Order No. 2789 of Jan. 19, 1918 and
Act of May 23, 1930.

EXECUTED BY

Dupree R. Averill, U.S. Surveyor

In the capacity of U. S. Surveyor..., under Special Instructions dated February 5,
1931..., issued by the District Cadastral Engineer to govern surveys included in Group
No. 167 - Arizona..., which were approved by the Commissioner of the General Land
Office, February 24, 1931..., and Assignment Instructions dated March 4, 1931...

Survey commenced March 15, 1931

Survey completed April 16, 1931

3944

3944

INDEX DIAGRAM.

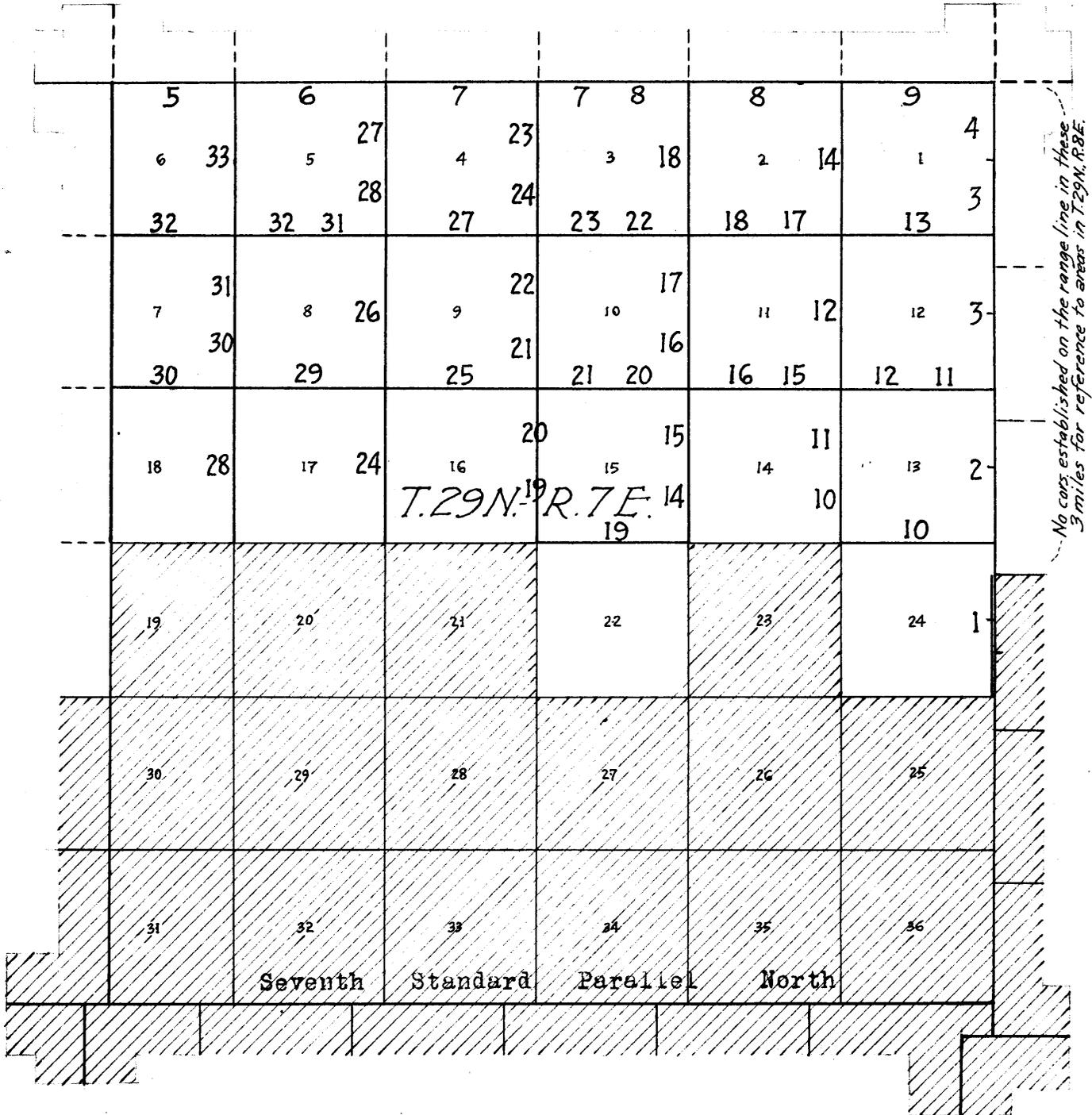
Township -----, Range -----

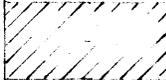
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Book "B"
Group 167 Arizona

INDEX-DIAGRAM.

BOOK 3944



- Surveyed under this group.
- Accepted, surveyed lines.
- - - - - Unsurveyed.
-  Areas surveyed as per accepted plats on file.
-  Area within the Navajo Indian Reservation.

Book "B"
Group 167 Arizona

~DATE-DIAGRAM~
1931

BOOK 3944

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

_____ Surveyed under this group by Dupree R. Averill, U.S. Surveyor, on dates (1931) shown thereon. Notes herein.

_____ Surveyed under this group by Dupree R. Averill, U.S. Surveyor. Notes and dates in Book "A".

_____ Accepted, surveyed lines.

PART OF THE EAST BOUNDARY OF T. 29 N., R. 7 E.

Chains.	
	<p>The survey of a portion of the east boundary, the survey of the north boundary and the completion of the subdivisions of T. 29 N., R. 7 E., Gila and Salt River Base and Meridian was executed with a light mountain solar transit made by Buff & Buff, Serial No. 17992.</p> <p>For description of instrument, equipment and preliminary test of solar attachment on a meridian determined by observations on Polaris, see field notes of T. 29 N., R. 6 E.</p>
	<p>Commence at the cor. of secs. 24 and 25 only, on the E. bdy. of the Tp., and run</p>
23.41	<p>North, on a random line, on part of W. bdy. of sec. 19, T. 29 N., R. 8 E. Fall 14 lks. E. of the $\frac{1}{4}$ sec. cor. for sec. 19, T. 29 N., R. 8 E.</p>
40.00	<p>Set temp. $\frac{1}{4}$ sec. cor. for sec. 24 only.</p>
63.37	<p>Fall 9 lks. E. of the cor. of secs. 18 and 19 only, T. 29 N., R. 8 E.</p>
	<p>Return to the cor. of secs. 24 and 25 only, which is an iron post, 3 ins. diam., firmly set, marked and witnessed as described in the official record.</p>
	<p>Thence</p>
	<p>N. 0° 20' W., on a true line along the E. bdy. of sec. 24.</p>
	<p>Over mountainous land, through scattering pinon and sage brush; descend 118 ft. over NE. slope.</p>
4.75	<p>Dry draw, course SE.; ascend 237 ft. over SE. slope.</p>
23.41	<p>The $\frac{1}{4}$ sec. cor. for sec. 19, T. 29 N., R. 8 E., which is an iron post, 1 in. diam., 3 ft. long, loosely set in a mound of stone, marked and witnessed as described in the official record. Reset same post, 6 ins. in the ground to bedrock, and in a mound of stone to top.</p>
	<p>Thence with continuous measurement.</p>
	<p>N. 0° 04' E., on a true line along the E. bdy. of sec. 24. Continue ascent 107 ft. to</p>
40.00	<p>Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor. of sec. 24 only, with brass cap mkd.</p>
	<p style="text-align: center;">$\frac{1}{4}$ S24</p>
	<p style="text-align: center;">1931</p>
	<p style="text-align: right;">from which</p>
	<p>A pinon, 10 ins. diam., bears N. 18° 30' W., 111 lks. dist., mkd. $\frac{1}{4}$ S24 BT.</p>
	<p>A pinon, 9 ins. diam., bears S. 47° 15' W., 39 lks. dist., mkd. $\frac{1}{4}$ S24 BT.</p>
	<p>Ascend 186 ft. over broken SE. slope.</p>
63.37	<p>The cor. of secs. 18 and 19 only for T. 29 N., R. 8 E., which is an iron post, 3 ins. diam., marked and witnessed as described in the official record.</p>
	<p>Thence with continuous measurement.</p>
	<p>North, along the E. bdy. of sec. 24.</p>
68.75	<p>Descend 174 ft. over broken N. slope.</p>
76.40	<p>Dry drain, course E.; ascend 30 ft. to</p>

Chains.

80.00

Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to bedrock, and in a mound of stone to top, for cor. of secs. 13 and 24 only, with brass cap mkd.

T29N	
S13	
S24	
R7E	

1931

from which

Pinon, 7 ins. diam., bears N. 45° 00' W., 63 lks. dist., mkd. T29N R7E S13 BT.

Pinon, 6 ins. diam., bears S. 23° 30' W., 137 lks. dist., mkd. T29N R7E S24 BT.

Land, mountainous.

Soil, gravelly and stony; 3rd rate.

Timber, scattering pinon; undergrowth; sage brush.

North, along E. bdy. of sec. 13.

Over rough and broken land, through scattering timber and sage brush; ascend 60 ft. over SE. slope.

18.00 Side-hill drain, course SE.; continue ascent of 70 ft.

25.00 Top of ascent, bears NW. and SE., thence over level land.

33.40 Descend 130 ft. over ledges on N. slope to

40.00 True point for $\frac{1}{4}$ sec. cor. of sec. 13 only, falls on face of bluff.40.10 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to bedrock, and in a mound of stone to top, for witness $\frac{1}{4}$ sec. cor. of sec. 13 only, with brass cap mkd.

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

1931

from which

A pinon, 4 ins. diam., bears N. 2° 00' W., 16 lks. dist., mkd. WC $\frac{1}{4}$ S13 BT.

A pinon, 5 ins. diam., bears S. 40° 00' W., 80 lks. dist., mkd. WC $\frac{1}{4}$ S13 BT.

Descend 500 ft. over ledges and cliffs on broken NW. slope.

76.00 Spur, slopes NW.; descend 150 ft. over N. slope to

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the ground to bedrock, with a stone, mkd. X, deposited at base, and in a mound of stone to top, for cor. of secs. 12 and 13 only, with brass cap mkd.

T29N	
S12	
S13	
R7E	

1931

Land, mountainous.

Soil, stony; 4th rate.

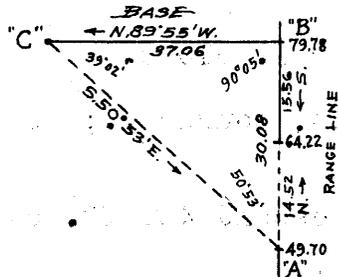
PART OF THE EAST BOUNDARY OF T. 29 N., R. 7 E.

Chains.	Timber, scattering pinon; undergrowth, sage brush.
	North, along E. bdy. of sec. 12.
	Over mountainous land; descend 54 ft. over N. slope.
1.30	Head of a dry drain, course NW.; ascend 30 ft. over SW. slope.
6.00	Descend 30 ft. over N. slope.
7.50	Head of a dry drain, course W.; ascend 100 ft. over S. slope.
12.10	Spur, slopes W.; descend 400 ft. over N. slope.
21.00	Descend gradually to
38.00	A wash, 15 lks. wide, course NE. and ascend slightly to
40.00	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. cor. of sec. 12 only, with brass cap mkd.
	$\frac{1}{4}$ S12
	1931
	raise a mound
	of stone, 3 ft. base, 2 ft. high, W. of cor.
	Thence over heavy rolling land, gradually descending.
74.60	A wash, 15 lks. wide, 20 ft. deep, course NE.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground to bedrock, with a stone, mkd. X, deposited at base, and in a mound of stone to top, for cor. of secs. 1 and 12 only, with brass cap mkd.
	T29N S1 — S12 R7E
	1931
	Land, rolling and mountainous. Soil, gravelly and stony; 3rd and 4th rates. No timber; undergrowth, sage brush.
	North, along the E. bdy. of sec. 1.
	Over heavy rolling land.
3.30	Small dry drain, course NE.
19.80	Surveyed line of proposed Grand Canyon highway, executed by the Bureau of Public Roads, bears E. and W.
29.10	Road, bears E. to Cameron and W. to Grand Canyon.
32.00	Head of a dry drain, course E.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor. of sec. 1 only, with brass cap mkd.
	$\frac{1}{4}$ S1
	1931

BOOK 3944 PART OF THE EAST BOUNDARY OF T. 29 N., R. 7 E.

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

49.70 South rim of gorge of the Little Colorado River, bears E. and W. To determine the distance across the gorge by triangulation, designate this point "A" and set a flag "B" in line on opposite side of gorge, then measure a base N. 89° 55' W., 37.06 chs. to point "C", from which point "A" bears S. 50° 53' E.



Triangulation point "B" - - - - - 79.78 chs. N.
Distance by return measurement - - - - - 15.56 " S.
To north rim of gorge - - - - - 64.22 " N.

58.00 (Estimated) Little Colorado River, 2.00 chs. wide, in rocky gorge about 650 ft. deep, course W.

64.22 North rim of gorge, ascend 154 ft. over SW. slope.

69.30 Thence over level land, bears NW. and E.

80.00 Set an iron post, 3 ft. long, 3 ins. diam., 9 ins. in the ground to bedrock, with a stone, mkd. X, deposited at base, and in a mound of stone to top, for cor. of Tps. 29 and 30 N., Rs. 7 and 8 E., with brass cap mkd.

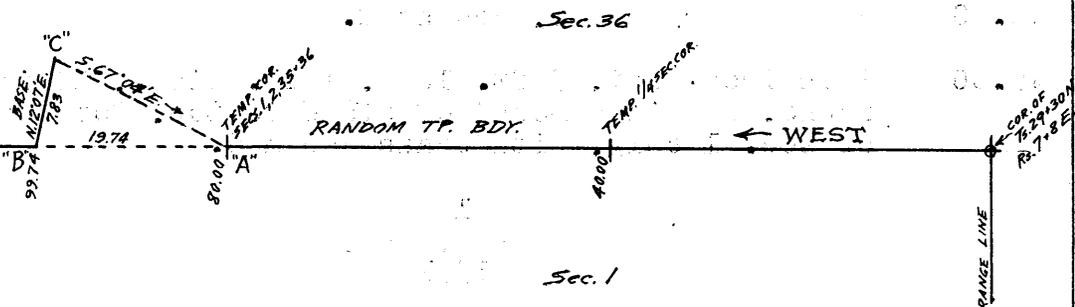
T30N
R7E | R8E
S36 | S31
S1 | S6
T29N
1931

Land, rolling and mountainous.
Soil, gravelly and stony; 3rd and 4th rates.
No timber; undergrowth, low sage brush.

NORTH BOUNDARY OF T. 29 N., R. 7 E.

Commence at the cor. of Tps. 29 and 30 N., Rs. 7 and 8 E., hereinbefore described, thence,

West, on a random line, setting temp. 1/4 sec. and sec. cors. at intervals of 40.00 chs. along the line bet. Tps. 29 and 30 N., R. 7 E.
To determine the distance across the Little Colorado River gorge, designate the temp. cor. of secs. 1, 2, 35 and 36 point "A" and set flag "B" in line on west side of gorge, then from flag "B" measure a base N. 12° 07' E., 7.83 chs. to point "C", from which, point "A" bears S. 67° 04' E.



NORTH BOUNDARY OF T. 29 N., R. 7 E.

Chains.

Distance on random line. - - - - 80.00 chs.
 Distance by triangulation - - - - 19.74 "
 Triangulation point - - - - - 99.74 "

At 465.60 chs. intersect a N. and S. line, 14 lks. N. of the cor. of Tps. 29 and 30 N., Rs. 6 and 7 E., to be described in book "A" of this group. The correction is 2.3 lks. S. per mile, counting from the point of beginning.

Thence

N. 89° 59' E., bet. secs. 6 and 31, marking and blazing the true line.

Over broken hilly land, through timber.

0.10 Dry drain, 10 lks. wide, course NE.

2.70 Dry drain, 6 lks. wide, course NE.; thence along rolling N. slope.

12.40 Ascend 129 ft. over NW. slope.

15.00 Thence along N. slope.

24.90 Descend 120 ft. over E. slope.

25.60 Set an iron post, 3 ft. long, 1 in. diam., over a cross (X) cut on surface rock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$ S31
 $\frac{1}{4}$ S6

1931

from which

A pinon, 8 ins. diam., bears N. 62° 00' W., 91 lks. dist., mkd. $\frac{1}{4}$ S31 BT.

A pinon, 8 ins. diam., bears S. 42° 30' W., 133 lks. dist., mkd. $\frac{1}{4}$ S6 BT.

28.60 Dry drain, 10 lks. wide, course N.; ascend 100 ft. over W. slope.

32.30 Spur, slopes N.; descend 160 ft. over E. slope.

38.50 Dry drain, course N.; ascend 315 ft. over W. slope.

49.30 Spur, slopes N.; descend 145 ft. over NE. slope.

56.90 Dry drain, 6 lks. wide, course N.; ascend 55 ft. over NW. slope.

64.70 Spur, slopes N.; descend 20 ft. over E. slope to

65.60 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to bedrock, and in a mound of stone to top, for cor. of secs. 5, 6, 31 and 32, with brass cap mkd.

T30N | R7E
 S31 | S32

 S6 | S5
 T 29 N
 1931

from which

Chains.

A pinon, 6 ins. diam., bears S. 12° 45' E., 232 lks. dist., mkd. T29N R7E S5 BT.

A pinon, 8 ins. diam., bears S. 77° 15' W., 100 lks. dist., mkd. T29N R7E S6 BT.

A pinon, 9 ins. diam., bears N. 81° 15' W., 92 lks. dist., mkd. T30N R7E S31 BT.

No other suitable accessory.

Land, rough and broken.

Soil, gravelly and stony; 3rd and 4th rates.

Timber, pinon; undergrowth, sage brush.

N. 89° 59' E., bet. secs. 5 and 32.

Over mountainous land, through scattering timber; descend 110 ft. over E. slope.

4.00 Dry drain, 6 lks. wide, course N.; ascend 121 ft. over NW. slope.

11.50 Thence along N. slope.

17.50 Descend 320 ft. over E. slope.

21.50 Dry drain, 10 lks. wide, course N.; ascend 290 ft. over E. slope.

39.00 Top of ridge, bears N. and S.; descend 10 ft. to

40.00 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to bedrock, with a stone, mkd. X, deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap mkd.

$$\frac{1}{4} \frac{S32}{S5}$$

1931

Descend 81 ft. over E. slope.

43.00 Dry drain, course N.; ascend 225 ft. over W. slope.

51.50 Spur, slopes N.; descend 434 ft. over broken E. slope.

70.00 Wash, 20 lks. wide, course N.; ascend 60 ft. over W. slope.

71.50 Spur, slopes N.; descend 50 ft. over NE. slope.

73.00 Dry drain, course NW.; ascend 280 ft. over W. slope.

79.00 Spur, slopes N.; descend 20 ft. to

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in the ground to bedrock, with a stone, mkd. X, deposited at base, and in a mound of stone to top, for cor. of secs. 4, 5, 32 and 33, with brass cap mkd.

T30N	R7E
S32	S33
S5	S4
T29N	

1931

Land, mountainous.

NORTH BOUNDARY OF T. 29 N., R. 7 E.

EC 11 1945

Chains.

Soil, stony; 4th rate.
Timber, scattering pinon; undergrowth, sage brush.

N. 89° 59' E., bet. secs. 4 and 33.

Over mountainous land; descend 588 ft. over NE. slope.

19.00 Thence over E. slope.

27.20 Wash, 20 lks. wide, course N.; ascend 70 ft. over NW. slope.

30.65 Thence along N. slope.

33.25 Descend 70 ft. over NE. slope.

39.70 Drain, 6 lks. wide, course NW.; ascend 11 ft. to

40.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for 1/4 sec. cor., with brass cap mkd.

1 S33
4 S4

1931

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

Ascend 38 ft. over W. slope.

44.00 Low spur, slopes N.; thence over rolling land.

47.00 Surveyed line of proposed Grand Canyon highway, executed by the Bureau of Public Roads, bears NW. and SE.

48.00 Same survey, bears NE. and SW.

49.20 Drain, 5 lks. wide, course N.

58.20 Same surveyed line, bears NW. and SE.

77.30 Descend 127 ft. over E. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 3, 4, 33 and 34, with brass cap mkd.

T30N | R7E
S33 | S34

S4 | S3
T29N

1931

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

Land, mountainous and rolling.
Soil, stony and gravelly; 3rd and 4th rates.
No timber; undergrowth, sage brush.

N. 89° 59' E., bet. secs. 3 and 34.

Over heavy rolling land; descend 18 ft. over SE. slope.

2.20 Wash, 30 lks. wide, course NE.; ascend 55 ft. over W. slope.

5.50 Top of ascent, thence over rolling land.

NORTH BOUNDARY OF T. 29 N., R. 7 E.

Chains.									
17.00	Drain, 6 lks. wide, course N.								
40.00	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap mkd.								
	$\frac{1}{4} \begin{array}{l} S34 \\ S3 \end{array}$								
	1931								
	raise a mound								
	of stone, 3 ft. base, 2 ft. high, N. of cor.								
75.60	Road, bears NW. to Grand Canyon and SE. to Cameron.								
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in the ground to bedrock, with a stone, mkd. X, deposited at base, and in a mound of stone to top, for cor. of secs. 2, 3, 34 and 35, with brass cap mkd.								
	<table style="margin-left: auto; margin-right: auto;"> <tr><td>T30N</td><td>R7E</td></tr> <tr><td>S34</td><td>S35</td></tr> <tr><td>S3</td><td>S2</td></tr> <tr><td colspan="2">T29N</td></tr> </table>	T30N	R7E	S34	S35	S3	S2	T29N	
T30N	R7E								
S34	S35								
S3	S2								
T29N									
	1931								
	Land, rolling.								
	Soil; gravelly; 3rd rate.								
	No timber; undergrowth, sage brush.								
	N. 89° 59' E., bet. secs. 2 and 35.								
	Over rolling land, through low sage brush.								
10.00	Drain, 10 lks. wide, course N.								
14.00	Descend 40 ft. over NE. slope.								
21.00	Wash, 25 lks. wide, from N. 60° W., course S. 80° E.; ascend 34 ft. over SE. slope.								
29.20	Thence over rolling land.								
40.00	Set an iron post, 3 ft. long, 1 in. diam., 22 ins. in the ground, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap mkd.								
	$\frac{1}{4} \begin{array}{l} S35 \\ S2 \end{array}$								
	1931								
	raise a mound								
	of stone, 3 ft. base, 2 ft. high, N. of cor.								
	Descend 102 ft. over NE. slope.								
55.20	Drain, 5 lks. wide, course SE.; ascend 40 ft. over SW. slope.								
57.60	Thence over rolling land.								
60.26	Set flag for further reference on W. rim of the Little Colorado River gorge.								
69.00	Little Colorado River, 2.00 chs. wide, in gorge 1200 ft. deep, course N.								
75.00	East rim of gorge; ascend 60 ft. to								

NORTH BOUNDARY OF T. 29 N., R. 7 E.

Chains.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to bedrock, with a stone marked X, deposited at base, and in a mound of stone to top, for cor. of secs. 1, 2, 35 and 36, with brass cap mkd.

T30N	R7E
S35	S36
S2	S1
T29N	

1931

Land, rolling excepting the river gorge.
Soil, gravelly and stony; 3rd and 4th rates.
No timber; undergrowth, sage brush.

N. 89° 59' E., bet. secs. 1 and 36.

Over rolling land.

33.10 N. rim of gorge of the Little Colorado River, bears SW. and E. along line.

40.00 Set an iron post, 3 ft. long, 1 in. diam., over a cross (X) cut in surface rock, and in a mound of stone to top, for 1/4 sec. cor., with brass cap mkd.

1	S36
4	S1

1931

The 1/4 sec. cor. is 10 lks. N. of the rim of the gorge.

40.10 Cove in rim of gorge, 2.50 chs. wide.

54.10 Leave rim of gorge, bears SE. and W. along line; descend 130 ft. over SE. slope.

61.00 Wash, 20 lks. wide, course S. The rim is about 1.00 ch. S. of line at this point. Ascend 86 ft. over W. slope.

65.50 Top of ascent, thence over rolling land to

80.00 The cor. of Tps. 29 and 30 N., Rs. 7 and 8 E.

Land, rolling, rough and broken.
Soil, gravelly and stony; 3rd and 4th rates.
No timber; undergrowth, scattering sage brush.

COMPLETION OF THE SUBDIVISION OF T. 29 N., R. 7 E.

Commence at the cor. of secs. 13, 14, 23 and 24, which is an iron post, 2 ins. diam., firmly set, marked and witnessed as described in the official record.

Thence

East, on a random line bet. secs. 13 and 24.

40.00 Set temp. 1/4 sec. cor.

79.50 Intersect E. bdy. of Tp., 18 lks. S. of the cor. of secs. 13 and 24, hereinbefore described.

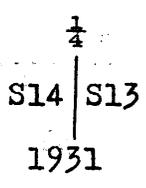
Thence

COMPLETION OF THE SUBDIVISION OF T. 29 N., R. 7 E.

Chains.	S. 89° 52' W., on a true line bet. secs. 13 and 24.
	Over mountainous land, through scattering timber; ascend 115 ft. over SE. slope.
6.50	Spur, slopes SE.; descend 40 ft. over SW. slope.
11.50	Drain, 7 lks. wide, course SE.; ascend 90 ft. over E. slope.
17.10	Spur, slopes SE.; descend 125 ft. over W. slope.
27.50	Wash, 15 lks. wide, course SW.
31.10	Drain, 15 lks. wide, course SE.; ascend 90 ft. over E. slope.
35.20	Ridge, bears N. and S., descend 75 ft. over W. slope.
39.75	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\frac{1}{4}$ S13 S24
	1931
	from which
	A juniper, 20 ins. diam., bears N. 63° 30' E., 47 lks. dist., mkd. $\frac{1}{4}$ S13 BT.
	A pinon, 15 ins. diam., bears S. 5° 15' W., 143 lks. dist., mkd. $\frac{1}{4}$ S24 BT.
	Descend 15 ft. over W. slope.
43.50	Drain, 15 lks. wide, course S.; ascend 168 ft. over E. slope.
53.50	Top of ascent, bears N. and S., thence over level land.
79.50	The cor. of secs. 13, 14, 23 and 24.
	Land, rolling and mountainous. Soil, gravelly; 3rd rate. Timber, scattering pinon and juniper; undergrowth, sage brush.
	N. 0° 01' W., bet. secs. 13 and 14.
	Over level land, through scattering timber.
1.00	Descend 60 ft. over NW. slope.
5.50	Drain, 4 lks. wide, course W.; ascend 70 ft. over S. slope.
13.00	Thence along W. slope.
20.50	Descend 65 ft. over NW. slope.
27.80	Drain, 6 lks. wide, course NE.; thence over rolling land.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in a crevice of a white boulder, 10 ft. sq., for $\frac{1}{4}$ sec. cor., with brass cap mkd.

COMPLETION OF THE SUBDIVISION OF T. 29 N., R. 7 E.

Chains.



from which

A pinon, 6 ins. diam., bears S. 79° 45' E., 73 lks. dist., mkd. $\frac{1}{4}$ S13 BT.

A pinon, 6 ins. diam., bears S. 1° 00' W., 56 lks. dist., mkd. $\frac{1}{4}$ S14 BT.

Descend 25 ft. over NE. slope.

43.20 Drain, 5 lks. wide, course E.; ascend 103 ft. over S. slope.

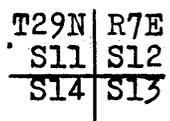
55.70 Top of ascent, bears E. and W., thence over level land.

60.80 Descend gradually over NW. slope.

66.00 Descend 665 ft. over steep N. slope.

68.10 Enter ledges and bluffs, bears E. and W.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground to bedrock, with a stone, mkd. X, deposited at base, and in a mound of stone to top, for cor. of secs. 11, 12, 13 and 14, with brass cap mkd.



1931

Land, rolling and mountainous. Soil, gravelly and stony; 3rd and 4th rates. Timber, scattering pinon; undergrowth; sage brush.

N. 89° 52' E., on a random line bet. secs. 12 and 13.

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

79.64 Intersect E. bdy. of Tp., 7 lks. S. of the cor. of secs. 12 and 13, hereinbefore described.

Thence

S. 89° 49' W., on a true line bet. secs. 12 and 13.

Over mountainous land, along N. slope.

3.50 Descend 160 ft. over W. slope.

8.80 Drain, 10 lks. wide, course NE., thence over rolling N. slope.

15.00 Drain, 10 lks. wide, course N.

32.20 Drain, 15 lks. wide, course N.; ascend 349 ft. over E. slope.

39.20 Thence ascend gradually over SE. slope.

39.82 Set an iron post, 3 ft. long, 1 in. diam., over a cross (X) cut in ledge rock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap mkd.

COMPLETION OF THE SUBDIVISION OF T. 29 S., R. 7 E.

Chains.

1 S12
4 S13

1931

Ascend 15 ft. over SE. slope to

48.40 Saddle on spur, slopes NE.; continue ascent of 195 ft. to cor. over broken general N. slope, through scattering timber.

59.00 Drain, 10 lks. wide, course N.

66.50 Spur, slopes NE.

73.00 Drain, 5 lks. wide, course N.

79.64 The cor. of secs. 11, 12, 13, and 14.

Land, mountainous.
Soil, stony; 4th rate.
Timber, scattering pinon; undergrowth, sage brush.

N. 0° 01' W., bet. secs. 11 and 12.

Over mountainous land, through scattering timber; descend 548 ft. over steep and broken N. slope.

12.00 Descend over more gradual slope.

20.00 Wash, 20 lks. wide, course N. 75° E.; ascend 436 ft. over S. slope.

33.00 Ridge, bears E. and W.; descend 213 ft. over N. slope to

40.00 Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$
S11 | S12
1931

from which

A pinon, 10 ins. diam., bears S. 63° 00' E., 100 lks. dist., mkd. $\frac{1}{4}$ S12 BT.

A pinon, 12 ins. diam., bears S. 33° 30' W., 36 lks. dist., mkd. $\frac{1}{4}$ S11 BT.

Descend 656 ft. over rough and broken N. slope to

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in the ground to bedrock, with a stone, mkd. x, deposited at base, and in a mound of stone to top, for cor. of secs. 1, 2, 11 and 12, with brass cap mkd.

T29N | R7E
S2 | S1
S11 | S12

1931

Land, mountainous.
Soil, stony; 4th rate.
Timber, scattering pinon; undergrowth, sage brush.

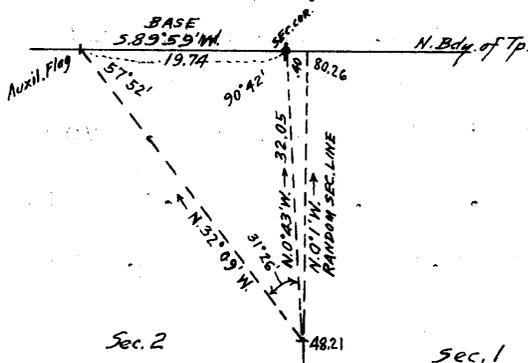
COMPLETION OF THE SUBDIVISION OF T. 29 N., R. 7 E.

Chains. N. 89° 49' E., on a random line bet. secs. 1 and 12.
 40.00 Set temp. 1/4 sec. cor.
 79.62 Intersect E. bdy. of Tp., 2 lks. N. of the cor. of secs. 1 and 12, hereinbefore described.
 Thence
 S. 89° 50' W., on a true line bet. secs. 1 and 12.
 Over heavy rolling land, through scattering pinon.
 7.70 Dim road, bears N. and S.
 33.40 Drain, 4 lks. wide, course N.
 39.81 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to bedrock, and in a mound of stone to top, for 1/4 sec. cor., with brass cap mkd.

$$\frac{1}{4} \begin{matrix} S1 \\ S12 \end{matrix}$$
 1931
 from which
 A pinon, 10 ins. diam., bears S. 26° 45' W., 200 lks. dist., mkd. 1/4 S12 BT.
 No other trees available.
 Descend 45 ft. over NW. slope to
 42.00 Drain, 3 lks. wide, course N., thence over rolling land.
 49.80 Drain, 5 lks. wide, course N. 20° E.
 69.90 Drain, 7 lks. wide, course N.; ascend 75 ft. over E. slope.
 76.70 Spur, slopes N. 20° E.; descend 40 ft. to
 79.62 The cor. of secs. 1, 2, 11 and 12.
 Land, heavy rolling.
 Soil, gravelly; 3rd rate.
 Timber, scattering pinon; undergrowth, sage brush.

N. 0° 01' W., on a random line bet. secs. 1 and 2.

40.00 Set temp. 1/4 sec. cor.
 48.21 Point on S. rim of gorge of the Little Colorado River.
 To determine the distance by triangulation across gorge proceed as follows:
 From this point the cor. of secs. 1, 2, 35 and 36 on the N. bdy. of the Tp., bears N. 0° 43' W. and an auxiliary flag, bears N. 32° 09' W. Said auxiliary flag, previously described, bears S. 89° 59' W., 19.74 chs. dist. from the cor. of secs. 1, 2, 35 and 36.



COMPLETION OF THE SUBDIVISION OF T. 29 N., R. 7 E.

Chains.	<p>Distance on random line 48.21 chs. N.0°1'W. Distance by triangulation 32.05 " N.0°43'W. <u>80.26 chs. N.0°1'W.</u></p>
80.26	<p>Intersect N. bdy. of the Tp., 40 lks. E. of the cor. of secs. 1, 2, 35 and 36, hereinbefore described.</p> <p>Thence</p> <p>S. 0° 18' E., on a true line bet. secs. 1 and 2.</p> <p>Over rolling land.</p>
2.90	Descend 127 ft. over SE. slope.
8.20	Drain, 6 lks. wide, course SW.; continue descent over SW. slope.
13.20	N. rim of gorge of the Little Colorado River.
23.25	Little Colorado River, 2.00 chs. wide, in gorge 1050 ft. deep, course W., soon N.
32.05	S. rim of gorge; ascend 62 ft. over N. slope to
40.26	Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\frac{1}{4}$ S2 S1 1931
	from which
	A pinon, 17 ins. diam., bears N. 7° 05' E., 6.17 chs. dist., mkd. $\frac{1}{4}$ S1 BT.
	No other trees available. Thence over nearly level land.
56.65	Road, bears W. to Grand Canyon and E. to Cameron.
59.86	Surveyed line of proposed Grand Canyon highway, executed by the Bureau of Public Roads, bears E. and W.; ascend 130 ft. over N. slope to
80.26	The cor. of secs. 1, 2, 11 and 12.
	Land, rolling, rough and broken. Soil, gravelly and stony; 3rd and 4th rates. Timber, scattering pinon S. of river; undergrowth, sage brush.
	From the cor. of secs. 14, 15, 22 and 23, which is an iron post, 2 ins. diam., firmly set, marked and witnessed as described in the official record,
	N. 0° 01' W., bet. secs. 14 and 15.
	Over rolling land, through timber; ascend 63 ft. over SW. slope.
12.00	Top of ascent; descend 130 ft. over N. slope.
20.80	Drain, 6 lks. wide, course W.; ascend 45 ft. over S. slope.
27.00	Spur, slopes W.; descend 23 ft. over NW. slope.

COMPLETION OF THE SUBDIVISION OF T. 29 N., R. 7 E.

Chains. 36.00	Small drain, course W.; ascend 40 ft. over S. slope.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 22 ins. in the ground, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor. with brass cap mkd.
	$\frac{1}{4}$ S15 S14 1931
	from which
	A pinon, 8 ins. diam., bears S. 51° 30' E., 64 lks. dist., mkd. $\frac{1}{4}$ S14 BT.
	A pinon, 9 ins. diam., bears S. 43° 00' W., 43 lks. dist., mkd. $\frac{1}{4}$ S15 BT.
	The $\frac{1}{4}$ sec. cor. is located on a small spur, slopes SW.
52.00	Drain, 10 lks. wide, course SW.; ascend 60 ft. over SE. slope.
53.00	Spur, slopes E.; descend 25 ft. over NE. slope.
56.00	Same drain, course SE.; ascend 195 ft. over SW. slope.
66.70	Corral, 90 lks. diam., on line.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the ground to bedrock, and in a mound of stone to top, for cor. of secs. 10, 11, 14 and 15, with brass cap mkd.
	T29N R7E S10 S11 S15 S14 1931
	from which
	A pinon, 12 ins. diam., bears N. 54° 15' E., 180 lks. dist., mkd. T29N R7E S11 BT.
	A pinon, 7 ins. diam., bears S. 51° 30' E., 134 lks. dist., mkd. T29N R7E S14 BT.
	A pinon, 14 ins. diam., bears S. 20° 00' W., 88 lks. dist., mkd. T29N R7E S15 BT.
	A pinon, 9 ins. diam., bears N. 53° 00' W., 49 lks. dist., mkd. T29N R7E S10 BT.
	Land, rolling and broken. Soil, gravelly; 3rd rate. Timber, pinon; undergrowth, sage brush.
	East, on a random line bet. secs. 11 and 14.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.10	Intersect the cor. of secs. 11, 12, 13 and 14.
	Thence
	West, on a true line bet. secs. 11 and 14.
	Over rough and broken mountainous land, through scattering timber; ascend 40 ft. over E. slope.

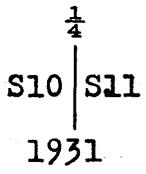
COMPLETION OF THE SUBDIVISION OF T. 29 N., R. 7 E.

Chains.	
1.20	Spur, slopes N.; descend 250 ft. over NW. slope.
10.10	Drain, 15 lks. wide, course N.; ascend 440 ft. over E. slope.
21.60	Spur, slopes N.; descend 120 ft. over NW. slope.
29.50	Drain, 10 lks. wide, course N.; ascend 50 ft. over NE. slope.
34.10	Spur, slopes N.; descend 55 ft. to
40.05	Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the ground to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\frac{1}{4} \begin{array}{l} S11 \\ S14 \end{array}$
	1931
	from which
	A pinon, 8 ins. diam., bears N. 59° 30' E., 49 lks. dist., mkd. $\frac{1}{4}$ S11 BT.
	A pinon, 10 ins. diam., bears S. 37° 00' W., 65 lks. dist., mkd. $\frac{1}{4}$ S14 BT.
	Descend 55 ft. over NW. slope.
41.70	Drain, 20 lks. wide, course NE.; ascend 263 ft. over NE. slope.
54.10	Spur, slopes NE.; descend 30 ft. over NW. slope.
58.10	Short drain, 8 lks. wide, course NE.; ascend 335 ft. over ledges on E. slope.
80.10	The cor. of secs. 10, 11, 14 and 15.
	Land, mountainous and broken. Soil, stony; 4th rate. Timber, scattering pinon; undergrowth, sage brush.
	N. 0° 01' W., bet. secs. 10 and 11.
	Over rolling land: through scattering timber and near W. edges of breaks.
10.40	Descend 55 ft. over N. slope.
14.30	Short drain, 7 lks. wide, course E.; ascend 50 ft. over S. slope.
22.50	Top of ascent, bears E. and W.; descend 40 ft. over N. slope.
24.30	Drain, 8 lks. wide, course E.; ascend 40 ft. over S. slope.
28.00	Top of ascent, bears E. and W.; descend 30 ft. over N. slope.
31.50	Drain, 6 lks. wide, course E.; ascend 30 ft. over S. slope.
33.00	Spur, slopes E.; descend 35 ft. over NE. slope.
36.50	Short drain, 6 lks. wide, course NE.; ascend 20 ft. to

COMPLETION OF THE SUBDIVISION OF T. 29 N., R. 7 E.

Chains.

40.00 Set an iron post, 3 ft. long, 1 in. diam., over a cross (X) cut on surface rock, and in a mound of stone to top, for 1/4 sec. cor., with brass cap mkd.



from which

A pinon, 8 ins. diam., bears S. 82° 00' E., 81 lks. dist., mkd. 1/4 S11 BT.

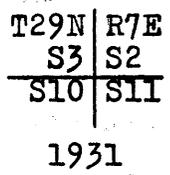
A pinon, 8 ins. diam., bears S. 38° 30' W., 60 lks. dist., mkd. 1/4 S10 BT.

Descend 75 ft. over NE. slope.

46.80 Spur, slopes NE.; descend 650 ft. over ledges and broken N. slope.

72.00 Spur, slopes NW.; continue descent over N. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 2, 3, 10 and 11, with brass cap mkd.



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

Land, rolling and mountainous. Soil, gravelly and stony; 3rd and 4th rates. Timber, scattering pinon; undergrowth, sage brush.

East, on a random line bet. secs. 2 and 11.

40.00 Set temp. 1/4 sec. cor.

80.02 Intersect the cor. of secs. 1, 2, 11 and 12.

Thence

West, on a true line bet. secs. 2 and 11.

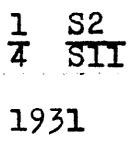
Over mountainous land, through scattering timber; ascend 467 ft. over broken NE. slope to 1/4 sec. cor.

2.80 Drain, 10 lks. wide, course N.

4.10 Drain, 8 lks. wide, course N.

22.50 Head of drain, course N.

40.01 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to bedrock, with a stone, mkd. X, deposited at base, and in a mound of stone to top, for 1/4 sec. cor., with brass cap mkd.



Ascend 380 ft. over NE. slope.

COMPLETION OF THE SUBDIVISION OF T. 29 N., R. 7 E.

Chains.	
54.00	Ridge, bears N. 40° W. and S. 40° E.; descend 350 ft. over SW. slope.
63.20	Wash, 25 lks. wide, course NW.; ascend 35 ft. over NE. slope.
67.60	Narrow spur, slopes NW.; descend 25 ft. over SW. slope.
69.00	Drain, course NW.; ascend 22 ft. over general N. slope.
80.02	The cor. of secs. 2, 3, 10 and 11. Land, mountainous. Soil, stony; 4th rate. Timber, scattering pinon; undergrowth, sage brush.
	N. 0° 18' W., on a random line bet. secs. 2 and 3.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.25	Intersect N. bdy. of Tp., 14 lks. W. of the cor. of secs. 2, 3, 34 and 35, hereinbefore described. Thence S. 0° 12' E., on a true line bet. secs. 2 and 3. Over rolling land.
1.55	Road, bears W. to Grand Canyon and E. to Cameron.
4.35	Drain, 10 lks. wide, 10 ft. deep, course NE.
13.30	Drain, 15 lks. wide, 10 ft. deep, course N. 30° E., thence over rough and broken land.
36.70	Wash, 20 lks. wide, course NE.; ascend 48 ft. over NW. slope.
40.25	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap mkd. $\frac{1}{4}$ S3 S2 1931 raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Ascend 380 ft. over N. slope.
62.30	NW. end of ridge, slopes NW.; descend 150 ft. over SW. slope.
69.60	Wash, 20 lks. wide, course NW.; ascend 164 ft. over N. slope to
80.25	The cor. of secs. 2, 3, 10 and 11. Land, rolling and mountainous. Soil, gravelly and stony; 3rd and 4th rates. Timber, a few scattering pinon; undergrowth, sage brush.

COMPLETION OF THE SUBDIVISION OF T. 29 N., R. 7 E.

Chains.	<p>The point for cor. of secs. 15, 16, 21 and 22, from which original iron post has been removed, is at the east edge of a mound of stone, 3 ft. base, 2 ft. high, witnessed as described in the official record.</p> <p>At point for cor.</p> <p>Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 15, 16, 21 and 22, with brass cap mkd.</p> <div style="text-align: center;"> <table border="1"> <tr><td>T29N</td><td>R7E</td></tr> <tr><td>S16</td><td>S15</td></tr> <tr><td>S21</td><td>S22</td></tr> </table> <p>1931</p> </div> <p>Thence</p> <p>East, on a random line bet. secs. 15 and 22.</p> <p>40.00 Set temp. $\frac{1}{4}$ sec. cor.</p> <p>80.24 Intersect N. and S. line, 21 lks. N. of the cor. of secs. 14, 15, 22 and 23.</p> <p>Thence</p> <p>N. 89° 51' W., on a true line bet. secs. 15 and 22.</p> <p>Over rolling land, through scattering timber.</p> <p>1.70 Drain, 4 lks. wide, course S.; ascend 50 ft. over E. slope.</p> <p>5.20 Thence over gently rolling land.</p> <p>40.12 Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap mkd.</p> <div style="text-align: center;"> <table border="1"> <tr><td>$\frac{1}{4}$</td><td>S15</td></tr> <tr><td></td><td>S22</td></tr> </table> <p>1931</p> </div> <p style="text-align: right;">from which</p> <p>A pinon, 10 ins. diam., bears N. 37° 50' E., 428 lks. dist., mkd. $\frac{1}{4}$ S15 BT.</p> <p>A juniper, 12 ins. diam., bears S. 35° 30' W., 83 lks. dist., mkd. $\frac{1}{4}$ S22 BT.</p> <p>Descend gradually over NW. slope.</p> <p>51.00 Drain, 6 lks. wide, course SW; ascend 90 ft. over SE. slope</p> <p>64.20 Top of ascent; descend 75 ft. over SW. slope to</p> <p>80.24 The cor. of secs. 15, 16, 21 and 22.</p> <p>Land, heavy rolling. Soil, gravelly; 2nd and 3rd rates. Timber, scattering pinon and juniper; undergrowth, sage brush.</p> <hr/> <p>N. 0° 02' W., bet. secs. 15 and 16.</p> <p>Over rolling W. slope, through scattering timber.</p> <p>17.70 Drain, 6 lks. wide, course SW.; ascend 228 ft. over SE. slope.</p> <p>30.00 Top of ascent, thence along top of ridge.</p>	T29N	R7E	S16	S15	S21	S22	$\frac{1}{4}$	S15		S22
T29N	R7E										
S16	S15										
S21	S22										
$\frac{1}{4}$	S15										
	S22										

COMPLETION OF THE SUBDIVISION OF T. 29 N., R. 7 E.

Chains. 40.00	<p>Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor. with brass cap mkd.</p> <p style="text-align: center;">$\frac{1}{4}$ S16 S15 1931</p> <p style="text-align: right;">from which</p> <p>A pinon, 12 ins. diam., bears N. 86° 30' E., 111 lks. dist., mkd. $\frac{1}{4}$ S15 BT.</p> <p>A pinon, 10 ins. diam., bears S. 88° 15' W., 119 lks. dist., mkd. $\frac{1}{4}$ S16 BT.</p> <p>Thence along W. slope.</p>
46.00	Descend 99 ft. over NW. slope.
47.80	Drain, course SW.; ascend 220 ft. over SE. slope.
60.00	Continue ascent over S. slope.
75.60	Top of ascent, bears NE. and SW.; descend 60 ft. over NW. slope to
80.00	<p>Set an iron post, 3 ft. long, 2 ins. diam., over a cross (X) cut in surface rock, and in a mound of stone to top, for cor. of secs. 9, 10, 15 and 16, with brass cap mkd.</p> <p style="text-align: center;">T29N R7E S9 S10 S16 S15 1931</p> <p style="text-align: right;">from which</p> <p>A pinon, 7 ins. diam., bears N. 28° 00' E., 64 lks. dist., mkd. T29N R7E S10 BT.</p> <p>A juniper, 8 ins. diam., bears S. 47° 00' E., 75 lks. dist., mkd. T29N R7E S15 BT.</p> <p>A pinon, 8 ins. diam., bears S. 30° 00' W., 81 lks. dist., mkd. T29N R7E S16 BT.</p> <p>A juniper, 7 ins. diam., bears N. 35° 00' W., 138 lks. dist., mkd. T29N R7E S9 BT.</p> <p>Land, heavy rolling. Soil, gravelly; 2nd and 3rd rates. Timber, scattering pinon and juniper; undergrowth, sage brush.</p>
	S. 89° 51' E., on a random line bet. secs. 10 and 15.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.34	Intersect the cor. of secs. 10, 11, 14 and 15.
	Thence
	N. 89° 51' W., on a true line bet. secs. 10 and 15.
	Over rough and broken land, through scattering timber.
2.00	Descend 32 ft. over W. slope.

COMPLETION OF THE SUBDIVISION OF T. 29 N., R. 7 E.

Chains.

4.60 Drain, 8 lks. wide, course S. ; ascend 60 ft. over E. slope.

14.00 Top of ascent, thence over rolling table land.

19.00 Descend 94 ft. over SW. slope.

27.20 Drain, 6 lks. wide, course S.

29.90 Drain, 20 lks. wide, course S.; ascend 55 ft. over E. slope.

34.50 Top of ascent, thence over level land.

40.17 Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground to bedrock, and in a mound of stone to top, for 1/4 sec. cor., with brass cap mkd.

1/4 S10
4 S15

1931

from which

A pinon, 11 ins. diam., bears N. 2° 00' E., 55 lks. dist., mkd. 1/4 S10 BT.

A pinon, 12 ins. diam., bears S. 4° 15' E., 34 lks. dist., mkd. 1/4 S15 BT.

Descend 70 ft. over W. slope.

44.40 Drain, 15 lks. wide, course S.; ascend 80 ft. over E. slope.

50.00 Top of ascent, bears N. and S., thence over level land.

54.00 Descend 135 ft. over W. slope.

65.50 Drain, 10 lks. wide, course S.; ascend 105 ft. over E. slope.

72.00 Top of ascent, bears N. and S., thence over level land.

74.00 Descend 67 ft. over NW. slope to

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

Land, rolling and broken.
Soil, gravelly; 2nd and 3rd rates.
Timber, pinon and juniper; undergrowth, sage brush.

N. 0° 02' W., bet. secs. 9 and 10.

Over heavy rolling land, through timber; descend 40 ft. over N. slope.

1.00 Drain, 7 lks. wide, course SW.; ascend 160 ft. over S. slope.

9.00 Top of ascent, thence over gently rolling table land.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for 1/4 sec. cor., with brass cap mkd.

1/4
S9 | S10

1931

COMPLETION OF THE SUBDIVISION OF T. 29 N., R. 7 E.

Chains.	<p>from which</p> <p>A pinon, 9 ins. diam., bears S. 33° 00' E., 75 lks. dist., mkd. $\frac{1}{4}$ S10 BT.</p> <p>A pinon, 12 ins. diam., bears N. 86° 00' W., 63 lks. dist., mkd. $\frac{1}{4}$ S9 BT.</p>						
55.00	Descend 50 ft. over N. slope.						
59.10	Drain, 8 lks. wide, course NE.; ascend 30 ft. over SE. slope.						
63.00	Spur, slopes NE.; descend 60 ft. over NW. slope.						
65.40	Drain, 7 lks. wide, course NE.; ascend 40 ft. over SE. slope.						
70.00	Spur, slopes NE.; descend 40 ft. over NW. slope.						
74.20	Drain, 10 lks. wide, course NE.; ascend 50 ft. over S. slope.						
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground to bedrock, and in a mound of stone to top, for cor. of secs. 3, 4, 9 and 10, with brass cap mkd.						
	<table style="margin-left: auto; margin-right: auto;"> <tr> <td>T29N</td> <td>R7E</td> </tr> <tr> <td>S4</td> <td>S3</td> </tr> <tr> <td>S9</td> <td>S10</td> </tr> </table> <p style="text-align: center;">1931</p>	T29N	R7E	S4	S3	S9	S10
T29N	R7E						
S4	S3						
S9	S10						
	<p>from which</p> <p>A pinon, 8 ins. diam., bears N. 49° 00' E., 151 lks. dist., mkd. T29N R7E S3 BT.</p> <p>A pinon, 9 ins. diam., bears S. 15° 00' E., 110 lks. dist., mkd. T29N R7E S10 BT.</p> <p>A pinon, 8 ins. diam., bears S. 41° 00' W., 146 lks. dist., mkd. T29N R7E S9 BT.</p> <p>A pinon, 14 ins. diam., bears N. 38° 30' W., 80 lks. dist., mkd. T29N R7E S4 BT.</p> <p>Land, rolling and broken. Soil, gravelly; 2nd and 3rd rates. Timber, pinon and juniper; undergrowth, sage brush.</p>						
	S. 89° 51' E., on a random line bet. secs. 3 and 10.						
40.00	Set temp. $\frac{1}{4}$ sec. cor.						
80.40	Intersect N. and S. line, 14 lks. S. of the cor. of secs. 2, 3, 10 and 11.						
	Thence						
	N. 89° 57' W., on a true line bet. secs. 3 and 10.						
	Over mountainous land, through scattering timber; ascend 30 ft. over NE. slope.						
4.50	Spur, slopes N.; descend 90 ft. over NW. slope.						
9.00	Drain, 7 lks. wide, course N.						
13.00	Drain, 15 lks. wide, course N.; ascend 500 ft. over SE. slope.						

COMPLETION OF THE SUBDIVISION OF T. 29 N., R. 7 E.

BOOK 617

Chains.	
27.65	Spur, slopes NE., thence along N. slope.
33.00	Descend 70 ft. over NW. slope.
40.20	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\frac{1}{4} \begin{array}{l} S3 \\ S10 \end{array}$
	1931
 from which
	A pinon, 7 ins. diam., bears N. 24° 30' W., 14 lks. dist., mkd. $\frac{1}{4}$ S3 BT.
	A pinon, 5 ins. diam., bears S. 52° 00' W., 140 lks. dist., mkd. $\frac{1}{4}$ S10 BT.
	Descend 40 ft. over NW. slope.
41.60	Short drain, 3 lks. wide, course N.; ascend 35 ft. over NE. slope.
45.00	Spur, slopes N.; descend 180 ft. over NW. slope.
52.40	Wash, 20 lks. wide, course NE.; ascend 800 ft. over rough and broken NE. slope.
68.10	Spur, slopes NE.; descend 50 ft. over NW. slope.
70.30	Drain, 10 lks. wide, course NE.; ascend 190 ft. over E. slope.
78.40	Top of ascent, bears N. and S., thence over level land.
80.40	The cor. of secs. 3, 4, 9 and 10.
	Land, mountainous. Soil, stony; 4th rate. Timber, scattering pinon; undergrowth, sage brush.
	N. 0° 12' W., on a random line bet. secs. 3 and 4.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.15	Intersect N. bdy. of Tp., 25 lks. W. of the cor. of secs. 3, 4, 33 and 34, hereinbefore described.
	Thence
	S. 0° 01' E., on a true line bet. secs. 3 and 4.
	Over mountainous land, through timber; descend slightly over SE. slope.
2.50	Wash, 30 lks. wide, course NE.; ascend 637 ft. over general N. slope.
21.55	Ridge, bears NW. and SE.; descend 10 ft. along W. slope.
25.50	Swale, drains W.; ascend 451 ft. over NW. slope.
40.15	Set an iron post, 3 ft. long, 1 in. diam., over a cross (X) cut on surface rock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\frac{1}{4} \begin{array}{l} S4 \\ S3 \end{array}$
	1931

COMPLETION OF THE SUBDIVISION OF T. 29 N., R. 7 E.

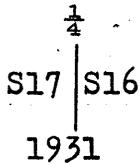
Chains.	From which
	A pinon, 9 ins. diam., bears S. 58° 15' E., 31 lks. dist., mkd. $\frac{1}{4}$ S3. BT.
	A pinon, 10 ins. diam., bears N. 83° 00' W., 10 lks. dist., mkd. $\frac{1}{4}$ S4 BT.
	Ascend 35 ft. over N. slope.
41.20	Ascend 300 ft. over NE. slope.
58.00	Spur, slopes NE.; ascend 330 ft. cliffs and ledges facing NE.
74.00	Top of ascent, bears NW. and SE., thence over level land.
80.15	The cor. of secs. 3, 4, 9 and 10.
	Land, mountainous. Soil, stony; 4th rate. Timber, scattering pinon and juniper; undergrowth, sage brush.

From the cor. of secs. 16, 17, 20 and 21, which is an iron post, 2 ins. diam., firmly set, marked and witnessed as described in the official record,

N. 0° 03' W., bet. secs. 16 and 17.

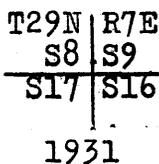
Over nearly level land, through timber.

27.70	Corral, bears E., 4.00 chs. dist.
35.00	Indian settlement. (Hogans) bears E. 3.00 chs. dist.
37.60	Drain, 5 lks. wide, course SW.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap mkd.



from which

	A juniper, 14 ins. diam., bears N. 45° 30' E., 177 lks. dist., mkd. $\frac{1}{4}$ S16 BT.
	A juniper, 10 ins. diam., bears N. 52° 30' W., 140 lks. dist., mkd. $\frac{1}{4}$ S17 BT.
	Ascend 200 ft. over SE. slope.
65.00	Thence along E. slope.
73.00	Descend 77 ft. over NE. slope.
79.50	Foot of descent, bears NE. and NW., thence over level land.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 8, 9, 16 and 17, with brass cap mkd.



from which

COMPLETION OF THE SUBDIVISION OF T. 29 N., R. 7 E.

page 194

Chains.

- A pinon, 10 ins. diam., bears S. 6° 00' E., 150 lks. dist., mkd. T29N R7E S16 BT.
- A pinon, 8 ins. diam., bears S. 20° 00' W., 52 lks. dist., mkd. T29N R7E S17 BT.
- A pinon, 15 ins. diam., bears N. 87° 00' W., 48 lks. dist., mkd. T29N R7E S8. BT.
- No other trees available.
- Land, level and heavy rolling.
Soil, gravelly; 2nd and 3rd rates.
Timber, pinon and juniper; undergrowth, sage brush.
-
- East, on a random line bet. secs. 9 and 16.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.06 Intersect N. and S. line, 9 lks. N. of the cor. of secs. 9, 10, 15 and 16.
- Thence
- N. 89° 56' W., on a true line bet. secs. 9 and 16.
- Over rough and broken land; descend 40 ft. over NW. slope.
- 1.50 Drain, 7 lks. wide, course S. 60° W.; ascend 40 ft. over SE. slope.
- 8.50 Spur, slopes S.; descend 40 ft. over SW. slope.
- 13.00 Drain, 7 lks. wide, course S.; ascend 50 ft. over E. slope.
- 15.50 Spur, slopes SE.; descend 20 ft.
- 17.00 Drain, 4 lks. wide, course SE.; ascend 60 ft. over NE. slope.
- 22.00 Ridge, bears NW. and SE.; descend 235 ft. over W. slope.
- 40.03 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap mkd.
- $\frac{1}{4}$ S9
S16
- 1931
- from which
- A pinon, 9 ins. diam., bears N. 10° 30' E., 83 lks. dist., mkd. $\frac{1}{4}$ S9 BT.
- A pinon, 12 ins. diam., bears S. 32° 30' W., 123 lks. dist., mkd. $\frac{1}{4}$ S16 BT.
- 41.80 Drain, 6 lks. wide, course NW., thence over rolling land.
- 59.50 Drain, 6 lks. wide, course SW.
- 70.00 Enter level land, bears N. and SW.
- 80.06 The cor. of secs. 8, 9, 16 and 17.
- Land, rolling and broken.
Soil, gravelly; 3rd rate.

COMPLETION OF THE SUBDIVISION OF T. 29 N., R. 7 E.

Chains.

Timber, pinon and juniper; undergrowth, sage brush.

N. 0° 03' W., bet. secs. 8 and 9.

Over level land, through timber.

8.30 Ascend 140 ft. over SW. slope.

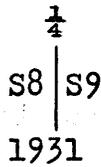
21.00 Spur, slopes SE.; descend 100 ft. over NE. slope.

25.00 Foot of descent, bears NW. and SE., thence over level land.

30.50 Ascend 105 ft. over S. slope.

39.60 Spur, slopes SE.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground to bedrock, and in a mound of stone to top, for 1/4 sec. cor., with brass cap mkd.



from which

A pinon, 7 ins. diam., bears N. 36° 00' E., 25 lks. dist., mkd. 1/4 S9 BT.

A pinon, 8 ins. diam., bears N. 56° 00' W., 53 lks. dist., mkd. 1/4 S8 BT.

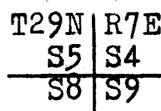
40.50 Descend 60 ft. over NE. slope.

63.80 Drain, 4 lks. wide, course S. 30° E.; ascend 130 ft. over SW. slope.

77.70 Top of ascent, bears E. and W.; descend 18 ft. over N. slope.

78.50 Side hill drain, 5 lks. wide, course W.; ascend 23 ft. over S. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 3 ins. in the ground to bedrock, and in a mound of stone to top, for cor. of secs. 4, 5, 8 and 9, with brass cap mkd.



1931

from which

A pinon, 12 ins. diam., bears N. 53° 30' E., 46 lks. dist., mkd. T29N R7E S4 BT.

A pinon, 14 ins. diam., bears S. 22° 00' E., 62 lks. dist., mkd. T29N R7E S9 BT.

A pinon, 9 ins. diam., bears S. 43° 00' W., 57 lks. dist., mkd. T29N R7E S8 BT.

A pinon, 9 ins. diam., bears N. 40° 30' W., 62 lks. dist., mkd. T29N R7E S5 BT.

Land, heavy rolling.

COMPLETION OF THE SUBDIVISION OF T. 29 N., R. 7 E.

Chains.	
	Soil, gravelly and stony; 3rd and 4th rates, Timber, pinon and juniper; undergrowth, sage brush.
	S. 89° 56' E., on a random line bet. secs. 4 and 9.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.94	Intersect N. and S. line, 14 lks. N. of the cor. of secs. 3, 4, 9 and 10.
	Thence
	N. 89° 50' W., on a true line bet. secs. 4 and 9.
	Over broken land, through timber; descend 55 ft. over W. slope.
6.60	Drain, 6 lks. wide, course N.; ascend 45 ft. over E. slope.
9.50	Spur, slopes N.; descend 30 ft. over W. slope.
12.60	Drain, 6 lks. wide, course N.; ascend 100 ft. over E. slope.
20.00	Top of ascent, bears N. and S.; thence over level land.
39.97	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\frac{1}{4}$ S4 S9
	1931
	from which
	A pinon, 11 ins. diam., bears N. 11° 00' E., 47 lks. dist., mkd. $\frac{1}{4}$ S4 BT.
	A pinon, 9 ins. diam., bears S. 22° 00' E., 102 lks. dist., mkd. $\frac{1}{4}$ S9 BT.
72.00	Descend 90 ft. over NW. slope.
78.80	Side hill drain, 5 lks. wide, course SW.; ascend 20 ft. to
79.94	The cor. of secs. 4, 5, 8 and 9.
	Land, level and broken. Soil, gravelly and stony; 3rd and 4th rates. Timber, pinon and juniper; undergrowth, sage brush.
	N. 0° 01' W., on a random line bet. secs. 4 and 5.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.82	Intersect N. bdy. of Tp., 25 lks. E. of the cor. of secs. 4, 5, 32 and 33, hereinbefore described.
	Thence
	S. 0° 12' E., on a true line bet. secs. 4 and 5.
	Over mountainous land; ascend 177 ft. over N. slope.
3.00	Spur, slopes NW.; continue ascent along W. side of spur.
9.40	Descend 66 ft. over SW. slope.
14.00	Swale, drains W.; ascend 120 ft. over NW. slope.

COMPLETION OF THE SUBDIVISION OF T. 29 N., R. 7 E.

Chains.

20.00 Ridge; bears N. 20° E. and S. 20° W.; ascend 130 ft. along E. side of ridge.

30.70 Spur, slopes NE., continue ascent of 245 ft. over rocky NE. slope.

39.56 Top of ledge, thence level to

39.82 Set an iron post, 3 ft. long, 1 in. diam., over a cross (X) cut in surface rock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap mkd.

$$\begin{array}{c} \frac{1}{4} \\ | \\ S5 | S4 \\ | \\ 1931 \end{array}$$

The $\frac{1}{4}$ sec. cor. is on the N. side of perpendicular pinnacle, 40 ft. high, and at base of rock wall, bears E. and W.; ascend 280 ft. over rough and rocky N. slope.

49.00 Top of ascent on rim, bears E. and W.; thence level land.

64.80 Descend 150 ft. over S. slope.

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

Land, mountainous.

Soil, stony; 4th rate.

Timber, scattered pinon on mesa; undergrowth, sage brush.

From the cor. of secs. 17, 18, 19 and 20, which is an iron post, 2 ins. diam., firmly set, marked and witnessed as described in the official record,

N. 0° 03' W., bet. secs. 17 and 18.

Over rolling land, through timber; ascend 63 ft. over SW. slope.

10.00 Thence over level land.

30.00 Descend 82 ft. over NE. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap mkd.

$$\begin{array}{c} \frac{1}{4} \\ | \\ S18 | S17 \\ | \\ 1931 \end{array}$$

from which

A pinon, 7 ins. diam., bears N. 13° 45' E., 156 lks. dist., mkd. $\frac{1}{4}$ S17 BT.

A pinon, 12 ins. diam., bears S. 89° 00' W., 179 lks. dist., mkd. $\frac{1}{4}$ S18 BT.

41.20 Wash, 10 lks. wide, course SE.; ascend 80 ft. over SW. slope.

64.50 Top of ascent; descend 50 ft. over NE. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 7, 8, 17 and 18, with brass cap mkd.

COMPLETION OF THE SUBDIVISION OF T. 29 N., R. 7 E.

BOOK 337

Chains.

T29N	R7E
S7	S8
S18	S17

1931

from which

A pinon, 8 ins. diam., bears N. 46° 50' E., 453 lks. dist., mkd. T29N R7E S8 BT.

A pinon, 12 ins. diam., bears S. 20° 15' E., 162 lks. dist., mkd. T29N R7E S17 BT.

A pinon, 10 ins. diam., bears S. 61° 00' W., 136 lks. dist., mkd. T29N R7E S18 BT.

A pinon, 10 ins. diam., bears N. 65° 00' W., 399 lks. dist., mkd. T29N R7E S7 BT.

Land, heavy rolling.

Soil, gravelly; 2nd rate.

Timber, pinon and juniper; undergrowth, sage brush.

East, on a random line bet. secs. 8 and 17.

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

80.50 Intersect the cor. of secs. 8, 9, 16 and 17.

Thence

West, on a true line bet. secs. 8 and 17.

Over heavy rolling land, through timber; ascend 170 ft. over NE. slope.

9.00 Top of ascent, thence over gently rolling land.

37.50 Descend 100 ft. over W. slope.

40.25 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap mkd.

1	S8
4	S17

1931

from which

A pinon, 8 ins. diam., bears N. 47° 30' W., 50 lks. dist., mkd. $\frac{1}{4}$ S8 BT.

A pinon, 6 ins. diam., bears S. 10° 15' E., 59 lks. dist., mkd. $\frac{1}{4}$ S17 BT.

Descend 130 ft. over W. slope.

49.50 Drain, 10 lks. wide, course SE.; ascend 85 ft. over E. slope.

56.50 Spur, slopes S.; descend 52 ft. over SW. slope.

75.30 Drain, 6 lks. wide, course S.

75.70 Wash, 10 lks. wide, course SE., thence over level land.

80.50 The cor. of secs. 7, 8, 17 and 18.

Land, heavy rolling.

COMPLETION OF THE SUBDIVISION OF T. 29 N., R. 7 E.

Chains.	Soil, gravelly; 2nd and 3rd rates. Timber, pinon; undergrowth, sage brush.
	West, on a random line bet. secs. 7 and 18.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
65.60	Intersect W. bdy. of Tp., 11 lks. N. of the cor. of secs. 7, 12, 13 and 18, described in the field notes of T. 29 N., R. 6 E. Thence
	N. $89^{\circ} 54'$ E., on a true line bet. secs. 7 and 18. Over rolling land, through timber.
.35	Road, bears NW. and SE.
25.60	Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\frac{1}{4}$ S7 S18
	1931 from which
	A pinon, 8 ins. diam., bears N. $14^{\circ} 15'$ E., 44 lks. dist., mkd. $\frac{1}{4}$ S7 BT.
	A pinon, 11 ins. diam., bears S. $70^{\circ} 30'$ E., 66 lks. dist., mkd. $\frac{1}{4}$ S18 BT.
29.10	Descend 58 ft. over NE. slope.
37.30	Drain, 10 lks. wide, course SE.
40.60	Drain, 4 lks. wide, course S.; ascend 50 ft. over W. slope.
46.60	Top of ascent, bears N. and S.; descend 225 ft. over NE. slope.
56.90	Side hill drain, 4 lks. wide, course NE.
57.60	Short spur, slopes NE., continue slight descent to
65.60	The cor. of secs. 7, 8, 17 and 18. Land, rolling and rough. Soil, gravelly; 2nd and 3rd rates. Timber, pinon and juniper; undergrowth, sage brush.
	N. $0^{\circ} 03'$ W., bet. secs. 7 and 8. Over nearly level land, through timber.
3.60	Wash, 10 lks. wide, course SE.; ascend 207 ft. over S. slope.
12.00	Slope changes to SE.
27.00	Top of ascent, bears NW. and SE., thence over level land.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap mkd.

COMPLETION OF THE SUBDIVISION OF T. 29 N., R. 7 E.

Chains.

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

S7		S8
1931		

from which

A pinon, 9 ins. diam., bears N. 88° 30' E., 40 lks. dist., mkd. $\frac{1}{4}$ S8 BT.

A pinon, 13 ins. diam., bears S. 13° 30' W., 118 lks. dist., mkd. $\frac{1}{4}$ S7 BT.

72.40 Short drain, 2 lks. wide, course E.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, and in a mound of stone to top, for cor. of secs. 5, 6, 7 and 8, with brass cap mkd.

T29N		R7E
S6		S5

S7		S8
1931		

from which

A pinon, 10 ins. diam., bears N. 47° 00' E., 100 lks. dist., mkd. T29N R7E S5 BT.

100.00 A pinon, 10 ins. diam., bears S. 49° 00' E., 86 lks. dist., mkd. T29N R7E S8 BT.

A pinon, 10 ins. diam., bears S. 38° 30' W., 88 lks. dist., mkd. T29N R7E S7 BT.

A pinon, 12 ins. diam., bears N. 53° 00' W., 57 lks. dist., mkd. T29N R7E S6 BT.

Land, level and rolling.
Soil, gravelly; 2nd and 3rd rates.
Timber, pinon; undergrowth; sage brush.

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

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

80.40 Intersect the cor. of secs. 4, 5, 8 and 9.

Thence

West, on a true line bet. secs. 5 and 8.

Over mountainous land, through timber; descend 165 ft. over SW. slope.

13.00 Drain, 10 lks. wide, course SE.

19.80 Small drain, 7 lks. wide, course SE.

20.10 Same drain, course NE.

26.00 Ascend 130 ft. over E. slope.

30.00 Slope changes to NE.

40.20 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap mkd.

1		S5
4		S8

1931

COMPLETION OF THE SUBDIVISION OF T. 29 N., R. 7 E.

Chains.		from which
	A pinon, 7 ins. diam., bears N. 11° 30' E., 74 lks. dist., mkd. $\frac{1}{4}$ S5 BT.	
	A pinon, 7 ins. diam., bears S. 61° 30' E., 63 lks. dist., mkd. $\frac{1}{4}$ S8 BT.	
	Thence over nearly level land.	
52.10	Descend 68 ft. over NW. slope.	
70.70	Drain, 6 lks. wide, course S.; ascend 55 ft. over E. slope.	
75.60	Top of ascent, bears N. and S., thence over level land.	
80.40	The cor. of secs. 5, 6, 7 and 8.	
	Land, rolling and mountainous. Soil, gravelly; 3rd rate. Timber, pinon; undergrowth, sage brush.	
	S. 89° 54' W., on a random line bet. secs. 6 and 7.	
40.00	Set temp. $\frac{1}{4}$ sec. cor.	
65.50	Intersect W. bdy. of the Tp., 6 lks. N. of the cor. of secs. 1, 6, 7 and 12, described in the field notes of T. 29 N., R. 6 E.	
	Thence	
	N. 89° 51' E., on a true line bet. secs. 6 and 7.	
	Over level land, through timber.	
25.50	Set an iron post, 3 ft. long, 1 in. diam., 22 ins. in the ground, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap mkd.	
	$\frac{1}{4}$ S6 S7	
	1931	
		from which
	A pinon, 14 ins. diam., bears N. 14° 00' W., 66 lks. dist., mkd. $\frac{1}{4}$ S6 BT.	
	A pinon, 13 ins. diam., bears S. 47° 00' W., 21 lks. dist., mkd. $\frac{1}{4}$ S7 BT.	
42.80	Descend 40 ft. over E. slope.	
45.50	Drain, 4 lks. wide, course S.; ascend 32 ft. over W. slope.	
47.50	Thence over rolling land.	
51.90	Drain, 4 lks. wide, course NW.	
54.50	Same drain, course S. 80° W.	
65.50	The cor. of secs. 5, 6, 7 and 8.	
	Land, level and rolling. Soil, gravelly; 2nd rate. Timber, pinon; undergrowth; sage brush.	

COMPLETION OF THE SUBDIVISION OF T. 29 N., R. 7 E.

Chains.

N. 0° 12' W., on a random line bet. secs. 5 and 6.

40.00 Set temp. 1/4 sec. cor.

79.86 Intersect N. bdy. of Tp., 40 lks. W. of the cor. of secs. 5, 6, 31 and 32, hereinbefore described.

Thence

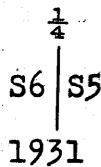
S. 0° 05' W., on a true line bet. secs. 5 and 6.

Over mountainous land, through timber; ascend 760 ft. over N. slope.

23.30 Spur, slopes NE., continue ascent over general E. slope.

33.00 Top of ascent, bears E. and W.; a triangulation point established by the U. S. Geological Survey, bears N. 65° 15' W., 3.70 chs. dist., a pole erected over a brass plate. Descend 64 ft. over S. slope.

39.86 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to bedrock, and in a mound of stone to top, for 1/4 sec. cor., with brass cap mkd.



from which

A pinon, 12 ins. diam., bears N. 80° 00' E., 39 lks. dist., mkd. 1/4 S5 BT.

A pinon, 9 ins. diam., bears S. 80° 00' W., 57 lks. dist., mkd. 1/4 S6 BT.

Descend 15 ft. over S. slope.

40.60 Small drain, 3 lks. wide, course E.; ascend 50 ft. over N. slope.

54.30 Top of ascent, thence over level land.

59.90 Descend 30 ft. over S. slope.

63.70 Small drain, 3 lks. wide, course N. 75° W.; ascend 12 ft. over N. slope.

64.40 Top of ascent, thence over level land.

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

Land, rolling and mountainous. Soil, gravelly and stony; 3rd and 4th rates. Timber, pinon; undergrowth, sage brush.

FINAL TEST OF THE SOLAR ATTACHMENT.

April, 16, 1931; at camp near the 1/4 sec. cor. of secs. 35 and 36, T. 30 N., R. 6 E., at 4h 0m p.m., app.t. set off 35° 56 1/2' N. on the lat. arc; 10° 04' N. on the decl. arc; and determine a meridian with the solar and in the line thus determined mark a point on a stake driven firmly in the ground, 10 chs. N.

At 5h 56m p.m., l.m.t., observe Polaris at western elongation, making four observations, two each with the telescope in direct and reversed positions, reading the

COMPLETION OF THE SUBDIVISION OF T. 29 N., R. 7 E.

Chains. deflection angle from mark, above described, to Polaris.

Azimuth of Polaris	1° 19' W.
Mean deflection angle	1° 19'
True bearing to mark	North.

April 17: At the same station, at 8h 0m a.m., app.t., set off 35° 56 1/2' N. on the lat. arc; 10° 18' N. on the decl. arc; and determine a meridian with the solar, which is found to agree with the true meridian.

Therefore conclude that the adjustments of the solar attachment have been maintained satisfactorily throughout the survey.

April, 17, 1931.

GENERAL DESCRIPTION.

The lands covered by the foregoing surveys vary in elevation from five to seven thousand feet.

The breaks or rim from a high rolling mesa to the Little Colorado River enter sec. 6 trending slightly southeast and leave the township on the east boundary of sec. 13.

The Little Colorado River flows west and north along a deep and precipitous gorge, enters the township in sec. 1 and leaves near the northeast corner of sec. 2. Other than the river no water is noted, nor any indications of mineral.

A fairly heavy growth of pinon with some juniper is found on the higher mesa land and a few scattered pinon on the remainder of the area. Grazing is provided for sheep during the spring months, the flocks providing a livelihood for a few indians.

A road from Grand Canyon to Cameron traverses the first bench above the river, entering in sec. 1 and leaving the township just west of the northeast corner of sec. 3.

BOOK 3944

CERTIFICATE OF UNITED STATES SURVEYOR.

I, Dupree R. Averill, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the District Cadastral Engineer, for Group 167, Arizona bearing date of the 5th day of February, 1931, 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 East Boundary
North Boundary and
Subdivision Lines of

Township 29 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 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 District Cadastral Engineer, for Group 167, Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

San Francisco, California.
 November, 20, 1931


 Dupree R. Averill U.S. Surveyor.

APPROVAL.

OFFICE OF U. S. SUPERVISOR OF SURVEYS,

Denver, Colo., DEC 10 1932, 193

The foregoing field notes of the survey of Part (Completion) of the East Boundary, all of the North Boundary, and Part (Completion) of the Subdivision Lines of

Township 29 North, Range 7 East

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

executed by Dupree R. Averill, U.S. Surveyor

under his special instructions dated February 5, 1931 for Group 167, Ariz., 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. 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.

U. S. Supervisor of Surveys.