

# FIELD NOTES

BOOK 3943

OF THE SURVEY OF

Part (Completion) of the East Boundary

Part of the North Boundary

and

Part of the Subdivision Lines of

Township 29 North, Range 6 East

Of the Gila and Salt River Base and Meridian,

In the State of Arizona  
East two ranges of Sections within the Navajo Indian Reservation - Act of May 23, 1930.  
West four ranges of Sections within the Tusayan National Forest.

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 14, 1931

Survey completed April 3, 1931

3943

# INDEX DIAGRAM.

*Township* \_\_\_\_\_, *Range* \_\_\_\_\_

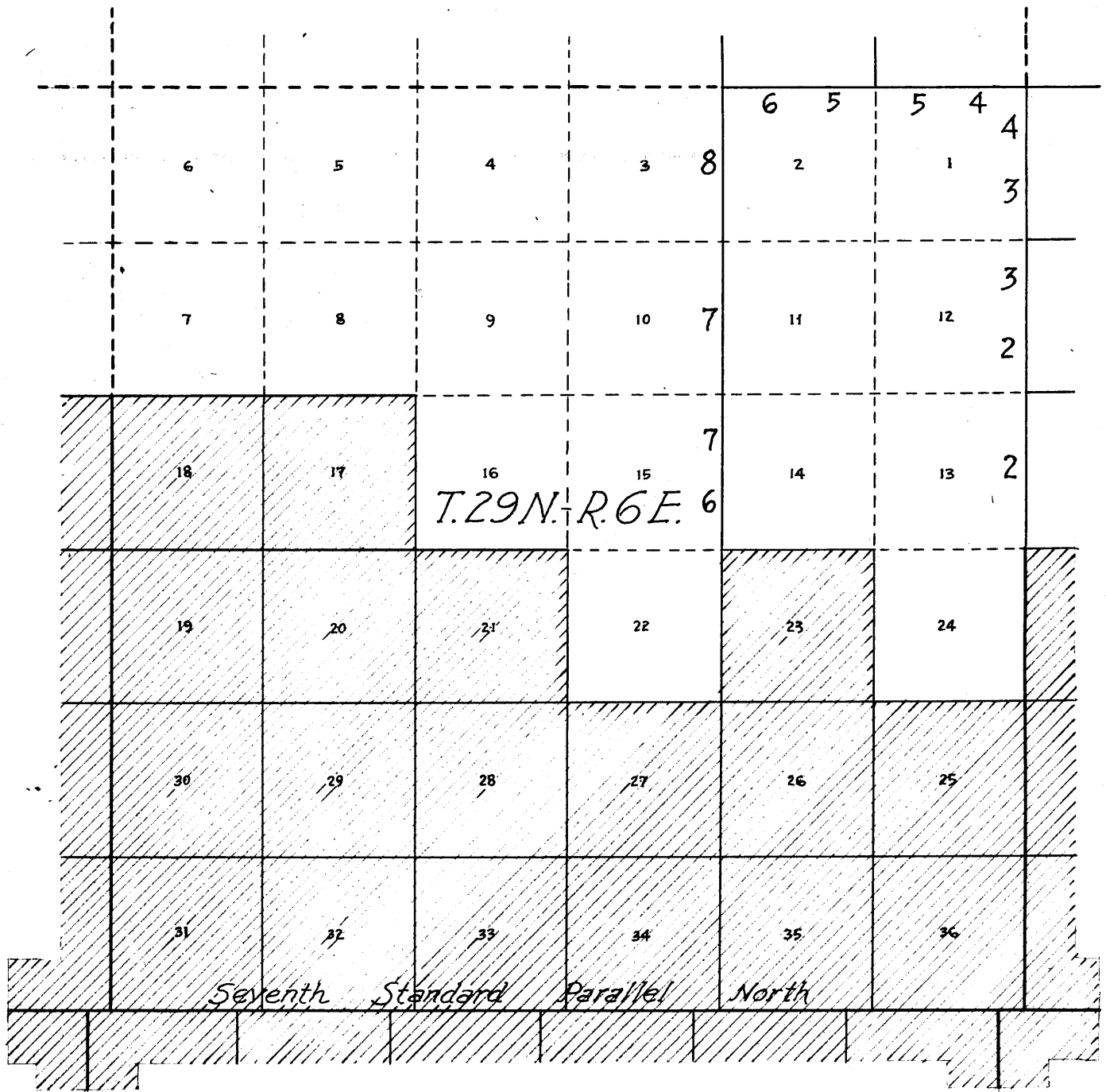
6	5	4	3	2	1
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31	32	33	34	35	36

Book "A"

Group 167 Arizona

~INDEX-DIAGRAM~

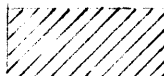
BOOK 3943





————— Surveyed under this group.

————— Accepted, surveyed lines.

- - - - - Unsurveyed.

 Areas surveyed as per accepted plats on file.

 Area within the Navajo Indian Reservation.

 Area within the Tusayan National Forest.

4  
18

Book "A"

Group 167 Arizona

~DATE-DIAGRAM~

1931

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6	5	4	3	April 3	April 3	April 3
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31	32	33	34		35	36

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

\_\_\_\_\_ Accepted, surveyed lines.

----- Unsurveyed.

The survey in T.29 N., R.6 E., G. & S.R. B.& M., Arizona was executed with a light mountain transit made by Buff and Buff, Serial No.17992, constructed in accordance with the standard specifications of the General Land Office. The horizontal circle has a diameter of  $4\frac{1}{2}$  inches., with two double opposite verniers reading to single minutes; the vertical circle has a diameter of 4 ins., with one double vernier reading to single minutes. The instrument is equipped with the improved Smith solar attachment; radius of the latitude arc is  $2\frac{1}{2}$  ins., and of the declination arc is  $3\frac{1}{2}$  ins., each with verniers reading to single minutes. The instrument was in good condition, having been maintained in satisfactory adjustment thru prior surveys. Re-examine all the instrumental adjustments before making the field tests hereinafter recorded.

The directions of all lines were determined by solar transit method, supplemented by direct observations on the sun for azimuth. The measurements were made with a Lallie steel tape, 5 chs., in length, graduated every link for the first 100 lks., and the balance at intervals of 10 lks. The tape was tested by comparison with a Lufkin Standard and found correct. The measurements were made on the slope and the vertical angle of each interval was ascertained by a clinometer in good adjustment; the horizontal equivalents are entered in the field note record.

The data furnished with the special instructions gives the geographic position of the SE. cor., of the Tp., as follows: latitude  $35^{\circ}50'48''$  N., longitude  $111^{\circ}41'45''$  W.

March 11, 1931, in camp in sec. 14, T.28 N., R.6 E., in latitude  $35^{\circ}48\frac{1}{2}'$  N., longitude  $111^{\circ}44'$  W., at 8h. 45m. p.m.,

by watch, which reads correct 105th. meridian time so determined by comparison with a Western Union clock,

observe Polaris at western elongation, making four sights each with the telescope in direct and reversed positions, deflecting a mean angle of  $57^{\circ}55'20''$  to the left to a flashlight placed 15 chs., dist., The azimuth of Polaris at western elongation being  $1^{\circ}18'35''$  the true bearing of this reference line is  $N.59^{\circ}13'55''$  W.

March 12, 1931, every hour, from 8 a.m. to 11 a.m., and from 1 p.m., to 5 p.m., make proper settings on the arcs of the solar attachment and ascertain that the resulting orientation of the instrument, when compared to the meridian established by Polaris observation, has a maximum error of less than  $1'30''$ .

Repeat the tests of the arcs daily by noon observation, and verify the meridional indications at frequent intervals throughout the survey.

Survey of Part (Completion) of the East Bdy. of T.29 N., R.6 E.

chains

From the cor., of secs., 13, 18, 19 and 24, on the E., bdy., of the Tp., which is an iron post, 3 ins., in diam., extending 12 ins., above ground, marked and witnessed as described in the official record.

North, bet. secs., 13 and 18.

Over rolling land, thru scattered timber and undergrowth.

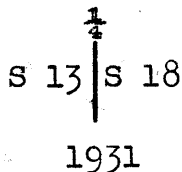
12.00 Desc., along NE. slope 70 ft.,

16.20 Wash, 10 lks., wide, course SE., Asc., SW. slope 110 ft.,

23.00 Over rolling land, asc gradually 50 ft.,

30.00 Along level bench land, thru heavy timber.

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.

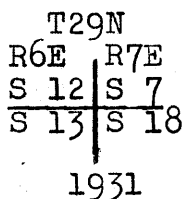


A pinon, 8 ins., diam., bears N.  $64\frac{1}{2}^{\circ}$  E. 27 lks., dist., marked  $\frac{1}{4}$  S 18 B T from which

A pinon, 10 ins., diam., bears S.  $63\frac{1}{2}^{\circ}$  W. 98 lks., dist., marked  $\frac{1}{4}$  S 13 B T

Asc., gradually 30 ft.,

80.00 Set an iron post, 3 ft. long, 2 ins., diam., 30 ins. in the ground, for the cor., of secs., 7, 12, 13 and 18. with brass cap mkd



A pinon, 12 ins., diam., bears N.  $39^{\circ}$  E. 22 lks., dist., marked T 29 N R 7 E S 7 B T from which

A pinon, 9 ins., diam., bears S.  $7^{\circ}$  E. 64 lks., dist., marked T 29 N R 7 E S 18 BT

A cedar, 16 ins., diam., bears S.  $14^{\circ}$  W. 89 lks., dist., marked T 29 N R 6 E S 13 BT

A pinon, 15 ins., diam., bears N.  $65\frac{1}{2}^{\circ}$  W. 73 lks., dist., marked T 29 N R 6 E S 12 BT

Land, rolling and level.

Soil, rocky, 2nd. and 3rd. rate.

Timber, pinon, cedar and pine; undergrowth, sagebrush and cacti.

-----  
North, bet. secs., 7 and 12.

Over level and rolling mesa, thru heavy timber and scattered undergrowth.

Asc., gradually 60 ft.,

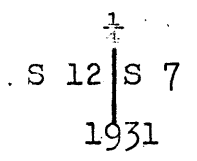
0.20 Old road, bears SE. and NW.,

Survey of Part (Completion) of the East Bdy. of T.29 N., R.6 E.

BOOK 3948

chains

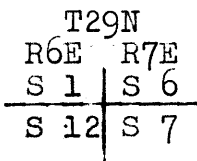
- 11.10 Same road, bears N.20°E. and S.20°W.,
- 15.10 Same road, bears N.15°W. and S.15°E.,
- 25.30 Same road, bears N.30°E. and S.30°W.,
- 30.20 Low ridge, bears E. and W., Desc., gradually 10 ft.,
- 40.00 Set an iron post, 3 ft. long, 1 in., diam., 27 ins., in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap mkd



from which  
 A pinon, 17 ins. diam., bears N.53 $\frac{1}{2}$ °E. 57 lks., dist., marked  $\frac{1}{4}$  S 7 BT

A pinon, 15 ins., diam., bears N.79°W. 40 lks., dist., marked  $\frac{1}{4}$  S 12 BT

- 44.70 Same road, bears S.70°E. and N.70°W.,
- 45.50 Desc., NE. slope 80 ft.,
- 50.00 Flat drain, course SE., Over gently rolling land.
- 80.00 Set an iron post, 3 ft. long, 2 ins., diam., 14 ins., in the ground, to bedrock, and in a mound of stone to top, for the cor., of secs., 1, 6, 7 and 12, with brass cap mkd



1931

from which  
 A pinon, 14 ins., diam., bears N.52 $\frac{1}{2}$ °E. 49 lks., dist., marked T 29 N R 7 E S 6 BT

A pinon, 10 ins., diam., bears S.55°E. 63 lks., dist., marked T 29 N R 7 E S 7 BT

A pinon, 9 ins., diam., bears S.55°W., 32 lks., dist., marked T 29 N R 6 E S 12 BT

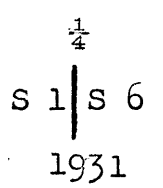
A cedar, 12 ins., diam., bears N.41°W. 82 lks., dist., marked T 29 N R 6 E S 1 BT.

Land, level, broken and rolling.  
 Soil, gravelly and rocky, 2nd. and 3rd. rate.  
 Timber; pinon and cedar; undergrowth, sagebrush and cacti.

North, bet. secs., 1 and 6.

Over level land, thru dense timber.

- 17.60 Drain, 6 lks., wide, course NW.,
- 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



chains	<p style="text-align: right;">from which</p> <p>A pinon, 10 ins., diam., bears N.75°E., 46 lks., dist., marked † S 6 BT</p> <p>A pinon, 14 ins., diam., bears N.63°W., 58 lks., dist., marked † S 1 BT</p> <p>45.00 Desc., gradually 30 ft.,</p> <p>52.20 Rim of mesa, bears E. and W., Desc., precipitous N. slope 900 ft.,</p> <p>79.85 Drain, 10 lks., wide, course NE.,</p> <p>80.00 Set an iron post, 3 ft. long, 3 ins., diam., 29 ins. in the ground, and in a mound of stone to top, for the cor., of Ts. 29 &amp; 30 N., Rs. 6 &amp; 7 E., with brass cap mkd</p> <div style="text-align: center;"> <table border="1"> <tr><td colspan="2">T30N</td></tr> <tr><td>R 6 E</td><td>R 7 E</td></tr> <tr><td>S 36</td><td>S 31</td></tr> <tr><td>S 1</td><td>S 6</td></tr> <tr><td colspan="2">T29N</td></tr> <tr><td colspan="2">1931</td></tr> </table> </div> <p style="text-align: right;">from which</p> <p>A pinon, 10 ins., diam., bears N.68½°E. 94 lks., dist., marked T 30 N R 7 E S 31 BT</p> <p>A pinon, 10 ins., diam., bears S.22°E. 98 lks., dist., marked T 29 N R 7 E S 6 BT</p> <p>A pinon, 11 ins., diam., bears S.50°W. 62 lks., dist., marked T 29 N R 6 E S 1 BT</p> <p>A pinon, 9 ins., diam., bears N.58°W. 52 lks., dist., marked T 30 N R 6 E S 36 BT</p> <p>Land, level bench in south half, broken mountains in the N., half.,</p> <p>Soil, gravelly and rocky, 2nd. and 4th. rate.</p> <p>Timber, pinon and cedar; undergrowth, sagebrush and cacti.</p>	T30N		R 6 E	R 7 E	S 36	S 31	S 1	S 6	T29N		1931	
T30N													
R 6 E	R 7 E												
S 36	S 31												
S 1	S 6												
T29N													
1931													

Survey of Part (E. 2 miles) of North Bdy., of T.29 N., R.6 E.

chains	<p>From the cor., of Ts. 29 &amp; 30 N., Rs. 6 &amp; 7 E., hereinbefore described, West, on true line, bet. secs., 1 and 36.</p> <p>Over broken hilly land, thru scattered timber.</p> <p>Asc., E. slope 12 ft.,</p> <p>1.20 Spur, extends NE., Desc., 10 ft.,</p> <p>2.20 Surveyed line of proposed Grand Canyon highway, executed by the Bureau of Public Roads; stake No. 1750 bears N.71°E., 2.42 chs., dist.,</p> <p>4.10 Drain, course N., Asc., 8 ft.,</p> <p>8.50 Low spur, slopes N., Desc., W., slope 70 ft.,</p> <p>14.20 Draw, course N., Asc., E. slope 200 ft.,</p> <p>18.50 Highway survey, bears N., and S.;</p> <p>23.00 Spur, slopes N., Desc., W. slope 180 ft.,</p> <p>31.65 Highway survey, extends N. and S.,</p> <p>37.00 Draw, course N., Asc., E. slope 75 ft.,</p>
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Survey of Part (E. 2 miles) of North Bdy. of T. 29 N., R. 6 E.

BOOK 3942

chains

40.00 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 sec. cor., with brass cap mkd

1/4 S 36 / S 1

1931

from which  
A pinon, 8 ins., diam., bears N. 76 1/2° E., 61 lks., dist., marked 1/4 S 36 BT  
A pinon, 11 ins., diam., bears S. 2 1/2° W., 101 lks., dist., marked 1/4 S 1 BT

Asc., E. slope 155 ft.,

46.50 Spur, slopes N., Desc., 25 ft.,

49.00 Drain, course N., Asc., 70 ft.,

51.10 Top of slope; over rolling mesa land.

61.00 Desc., W. slope 30 ft.,

64.30 Wash, course N., Asc., 30 ft.,

65.60 Over level land.

77.00 Desc., W. slope 100 ft.,

80.00 Set an iron post, 3 ft. long, 2 ins., diam., over cross (X) on limestone ledge, supported in a mound of stone, 5 ft., base, 30 ins. high, for the cor., of secs., 1, 2, 35 and 36. with brass cap mkd

T30N R6E  
S 35 | S 36  
S 2 | S 1

T29N  
1931

from which  
A cedar, 12 ins., diam., bears N. 45 1/4° E., 70 lks., dist., marked T30N R6E S36 BT  
A pinon, 13 ins., diam., bears S. 74 1/4° E., 84 lks., dist., marked T29N R6E S1 BT  
A pinon, 9 ins., diam., bears S. 41° W., 142 lks., dist., marked T29N R6E S2 BT  
A cedar, 14 ins., diam., bears N. 13 1/4° W., 67 lks., dist., marked T30N R6E S35 BT

Land, broken hills and rolling mesa.  
Soil, rocky, 3rd. rate.  
Timber, pinon and cedar; undergrowth, sagebrush and cacti.

-----  
West, on true line, bet. secs., 2 and 35.

Over broken mesa land, thru scattered timber.

Desc., limestone ledge 5 ft.,

0.40 Draw, course N. 15° E., Asc., E. slope 75 ft.,

4.50 Over rolling land, ascend gradual E. slope 60 ft.,

6.00 Road, bears N., to Cameron, and S., to Grand Canyon.

13.00 Over level mesa.

## Survey of Part (E: 2 miles) of North Bdy. of T. 29 N., R. 6 E.

chains

32.00 Desc., rolling W. slope 75 ft.,

39.90 Limestone ledge, 10 ft. high, NW. and SE.,

40.00 Set an iron post, 3 ft. long, 1 in., diam., 24 ins., in crevice of rock at foot of ledge, supported in a mound of stone to top, for  $\frac{1}{4}$  sec. cor., with brass cap mkd
$$\frac{1}{4} \begin{array}{c} S \ 35 \\ S \ 2 \end{array}$$

1931

from which

A pinon, 11 ins., diam., bears N. 36° W., 37 lks., dist., marked  $\frac{1}{4}$  S 35 BT

A pinon, 10 ins., diam., bears S. 47° W., 38 lks., dist., marked  $\frac{1}{4}$  S 2 BT

Desc., SW. slope 110 ft.,

44.50 Draw, course N., Confluence of draws from the S., and SE. bears S., about 1.00 ch., dist.,

Asc., E. slope 190 ft.,

51.00 Top of ascent. Over level mesa land.

80.00 Set an iron post, 3 ft. long, 2 ins., diam., 28 ins., in the ground, for the cor., of secs., 2, 3, 34 and 35, with brass cap mkd

$$\begin{array}{c} T30N \ R6E \\ S \ 34 \ | \ S \ 35 \\ S \ 3 \ | \ S \ 2 \\ T29N \\ 1931 \end{array}$$

from which

A pinon, 10 ins. diam., bears N. 45° E., 66 lks., dist., marked T30N R6E S35 BT

A pinon, 14 ins., diam., bears S. 23 $\frac{1}{2}$ ° E., 119 lks., dist., marked T29N R6E S2 BT

A pinon, 11 ins., diam., bears S. 26 $\frac{1}{2}$ ° W., 56 lks., dist., marked T29N R6E S3 BT

A pinon, 15 ins., diam., bears N. 73 $\frac{1}{2}$ ° W., 39 lks., dist., marked T30N R6E S34 BT

Land, broken and rolling mesa.

Soil, rocky, 2nd. and 3rd. rate.

Timber, pinon and cedar; undergrowth; sagebrush and cacti.

## Survey of Part of the Subdivision Lines of T. 29 N., R. 6 E.

From the cor., of secs., 14, 15, 22 and 23, which is an iron post, 2 ins., diam., 15 ins., above ground, supported in a mound of stone, marked and witnessed as described in the official record,

N. 0° 01' W., bet. secs., 14 and 15.

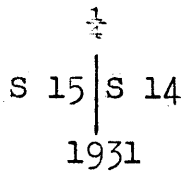
Over level land, thru dense timber.

40.00 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

Survey of Part of the Subdivision Lines of T.29 N., R.6 E.

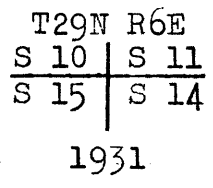
3943

chains



from which  
 A pinon, 22 ins., diam., bears S.60°E. 49 lks., dist.,  
 marked  $\frac{1}{4}$  S 14 BT  
 A pinon, 14 ins., diam., bears N.66°W. .77 lks., dist.,  
 marked  $\frac{1}{4}$  S 15 BT

80.00 Set an iron post, 3 ft. long, 2 ins., diam., 15 ins., in the ground, to bedrock, and in a mound of stone to top, for the cor., of secs., 10, 11, 14 and 15. with brass cap mkd



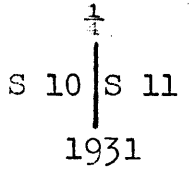
from which  
 A pinon, 9 ins., diam., bears N.60°E. .26 lks., dist.,  
 marked T29N R6E S11 BT  
 A pinon, 14 ins., diam., bears S.69°E. .58 lks., dist.,  
 marked T29N R6E S14 BT  
 A pinon, 12 ins., diam., bears S.56°W. .89 lks., dist.,  
 marked T29N R6E S15 BT  
 A pinon, 12 ins., diam., bears N.59°W. .86 lks., dist.,  
 marked T29N R6E.S10 BT

Land, level.  
 Soil, rocky clay, 2nd. and 3rd. rate.  
 Timber, pinon, cedar and pine; no undergrowth.

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 N.0°01'W., bet. secs., 10 and 11.

Over level land, thru dense timber.

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



from which  
 A pinon, 9 ins., diam., bears N.15°E. 109 lks., dist.,  
 marked  $\frac{1}{4}$  S 11 BT  
 A pinon, 15 ins., diam., bears N.52°W. .112 lks., dist.,  
 marked  $\frac{1}{4}$  S 10 BT

Over rolling land.

60.00 Desc., N. slope 160 ft.,

67.90 Draw, course N.60°W., Asc., S. slope 150 ft.,

73.00 Over level land.

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 the cor., of secs., 2, 3, 10 and 11, with brass cap mkd

## Survey of Part of the Subdivision Lines of T.29 N., R.6 E.

chains

T29N R6E	
S 3	S 2
S 10	S 11

1931

from which

- A pinon, 6 ins., diam., bears N.36°E. 40 lks., dist.,  
marked T29N R6E S2 BT
- A pinon, 8 ins., diam., bears S.58°E. 11 lks., dist.,  
marked T29N R6E S11 BT
- A pinon 10 ins., diam., bears S.47 $\frac{1}{2}$ °W. 41 lks., dist.,  
marked T29N R6E S10 BT
- A pinon 8 ins., diam., bears N.8°W. 58 lks., dist.,  
marked T29N R6E S3 BT

Land, level mesa, and broken.

Soil, rocky clay, 3rd. and 2nd. rate.

Timber, pinon, cedar and pine; undergrowth, sagebrush.

North, on a random line, bet. secs., 2 and 3.

40.00 Set temp.,  $\frac{1}{4}$  sec. cor.,80.48 Fall 42 lks., W., of the cor., of secs., 2, 3, 34 and 35, on  
the N., bdy., of the Tp., hereinbefore described,

Thence

S.0°18'W., on true line, bet. secs..2 and 3.

Over rolling and level land; thru scattered timber.

Asc., 10 ft.,

5.00 Level land.

29.40 Road, bears N.70°E. to Cameron, and S.70°W. to Grand  
Canyon.30.35 Surveyed line of proposed Grand Canyon Highway, Cameron  
to Grand Canyon, bears E. and W.40.48 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

$\frac{1}{4}$	
S 3	S 2
1931	

from which

- A pinon, 12 ins., diam., bears N.51 $\frac{1}{2}$ °E. 223 lks., dist.,  
marked  $\frac{1}{4}$  S 2 BT
- A pinon, 10 ins., diam., bears N.86 $\frac{1}{2}$ °W. 128 lks., dist.,  
marked  $\frac{1}{4}$  S 3 BT

42.00 Over rolling foothills, Asc., 100 ft.,

55.00 Small spur, slopes NW., Desc., 20 ft.,

59.20 Gully, course NW., Asc., N. slope 360 ft.,

74.50 Top of ascent, bears NE. and SW., Over bench land.

80.48 The cor., of secs., 2, 3, 10 and 11.

Survey of Part of the Subdivision Lines of T.29 N.,R.6 E.

18948

Land, rolling and level mesa, and broken plateau.  
Soil, rocky clay, and gravel, 2nd.and 3rd.rate.  
Timber, pinon and cedar; undergrowth, sagebrush and cacti.

For final test of solar transit No.17992 see Book"C."

General Description.

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Land embraced within the foregoing surveys is a plateau about 7,000 ft., in elevation. Sections 1 and 2 lying along the breaks to the Lower Basin region. The soil formation varies from a light surface clay to limestone rock, 2nd., to 4th., rate in quality. Timber consists of a fairly heavy growth of pinon, scattered yellow pine, and cedar. There is no water, no indications of mineral. The country is grazed by the Indians, water for their flocks being obtained from storage in earth dams, or the use of snow during the Spring months. The few Indian encampments are abandoned during the major portion of the year.

A new highway is proposed, the survey thereof lying along the foot of the slope thru secs., 1 and 2, leading from Grand Canyon National Park to Cameron, on the Little Colorado River. The present roadway is in poor shape and difficult to traverse, touching this survey only in the northern part of section 2. A few old Indian trails, or roadways, are noted upon the higher plateau, the only available means of access. All travel being by means of cart or wagon, these trails are hardly suitable for motor transportation, but can so be used. The one road, leading north from Willow Tank, a reservoir situated in section 14, T.28 N.,R.6 E., connects with the present Grand Canyon- Cameron road in section 2, leading precipitously off the bench in section 1.



16  
12  
BOOK 3943

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 6 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,  
Part (E. 2 miles) of the North Boundary  
and Part of the Subdivision Lines of

Township 29 North, Range 6 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.