

3283

Book "D"
4-679

BOOK 3283

FIELD NOTES

OF THE ^{RE-}SURVEY OF

3283

A Part of The First Standard Parallel North in Fractional
Range 27 East,

A Part of The North Boundary of Fractional T. 5 North, Range 27 E.,

A Part of The Subdivision Lines of Fracl. T. 5 North, Range 27 E.

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

William B. Kimmel.

3283

In the capacity of U. S. Surveyor, under Special Instructions dated April 5, 1916,
issued by the United States Surveyor General to govern surveys included in Group
No. 65, which were approved by the Commissioner of the General Land
Office, April 19, 1916, and Assignment Instructions dated August 15, 1916.

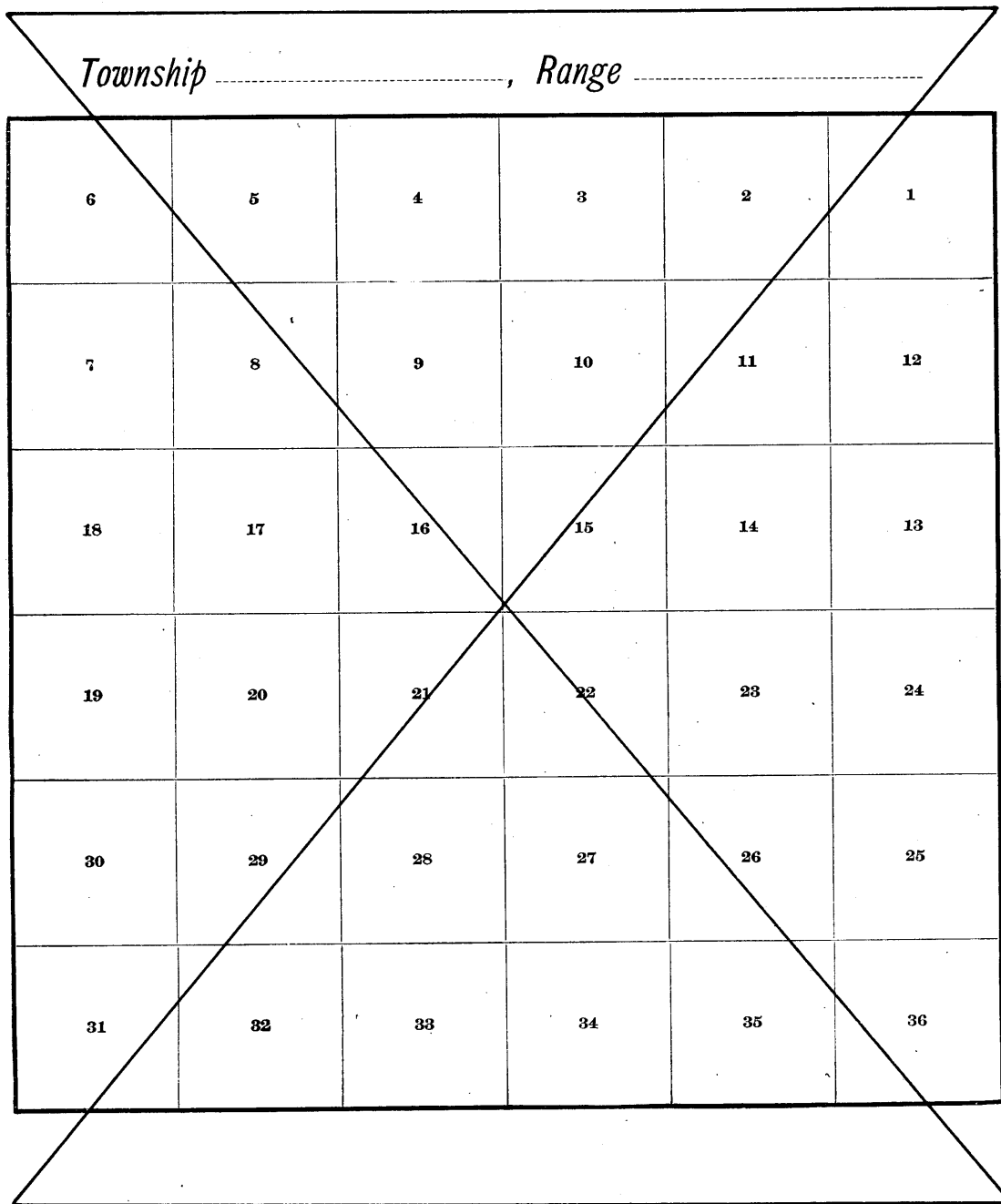
Re- Survey commenced September 3, 1916.

Re- Survey completed September 21, 1916.

3283
Book "D"

Group 65 - - - - - Arizona.

SEE SPECIAL INDEX DIAGRAM.



3283
Book "DU" Group 65, Arizona.

Surveyor General's explanatory note on Error:

Proportional length of S. $\frac{1}{4}$ of line, bet. sed. 3, and frac. sec. 4 based on resurveyed dist. of 78.94 chs., and original dist. of 80.52 chs. should be 39.21 chs. The dist. herein recorded (39.71 chs.) is a field error by U.S. Surveyor Wm. B. Kimmel, wherein he based his proportion on a resurveyed dist. of 79.94 chs. instead of 78.94 chs. In view of the fact that no entries are involved, the error is not considered of enough importance as to warrant a field correction.

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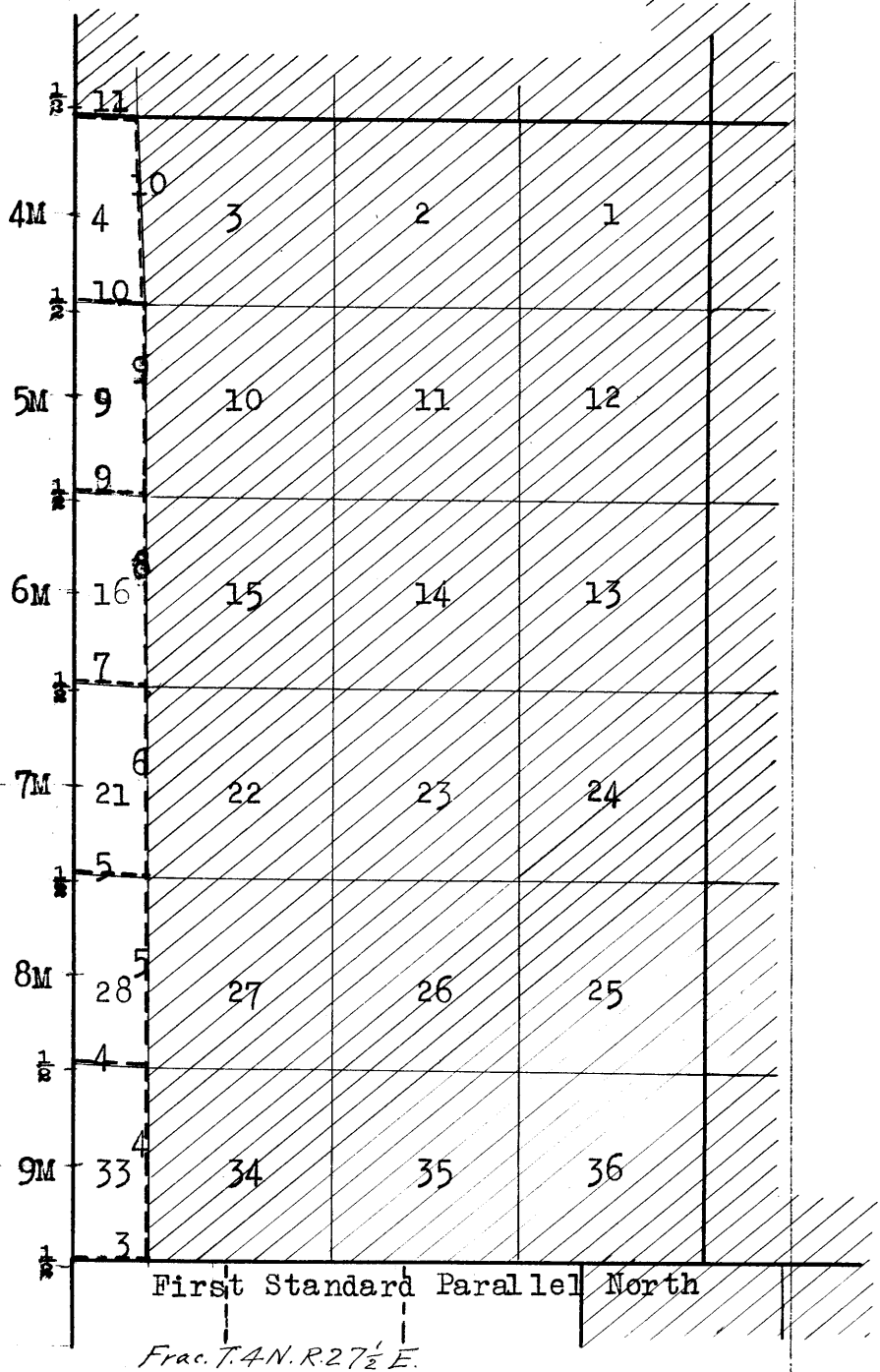
Group 65 --- Arizona.

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Special Index Diagram.

Fractional T. 5 N., R. 27 E.

FORT APACHE INDIAN RESERVATION



- Lines resurveyed under this group.
- _____ Lines of accepted surveys.
- Unsurveyed lines.
- ////// Area surveyed as per accepted plats on file.

BOOK 3283

Book "D"

Group 65--- - Arizona.

Fractional T. 5 N., R. 27 E.

DATE DIAGRAM

	9/5/16			
	4 9/21/16	3	2	1
	9/21/16			
	9 9/19/16	10	11	12
	9/20/16			
	16 9/19/16	15	14	13
	9/20/16			
	21 9/19/16	22	23	24
	9/18/16			
	28 9/16-18/16	27	26	25
	9/16/16			
	33 9/15-16/16	34	35	36
	9/15/16			
	First Standard Parallel North.			

Fort Apache Indian Reservation.

Resurveys executed on dates shown on above diagram,
by William B. Kimmel, U. S. Surveyor.

Chains.

Resurvey hereinafter described, executed by W.B.Kimmel, U.S. Surveyor, on dates shown on latex diagram on page 2 hereof, with a Young and Sons' light mountain transit No. 8523, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

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

At camp, which is situated near the center of sec. 27, T. 6 N., R. 27 E., in latitude 33° 53' N.; longitude, 109° 29' W., at 8h. 4m. p.m., l.m.t., observe Polaris at eastern elongation, in accordance with the Manual of Instructions, and mark a point in the line thus determined, on a peg driven firmly in the ground, 5 chs. N. of instrument. August 31, 1916.

Sept. 1: At 8 a.m., l.m.t., lay off the azimuth of Polaris 1° 27' to the west, and mark a point on the meridian 5 chs. N. of instrument.

The solar apparatus by repeated a.m. and p.m. observations defines positions for meridians within 0° 01' of the meridian established by the Polaris observation; therefore, conclude that the adjustments of the instrument are satisfactory.

RESURVEY OF 1ST. STD. PARALLEL NORTH, THRU. PART OF R. 27 E.

Retracement for Resurvey.

From the reestablished closing cor. of fracl. Ts. 4 and 5 N., R. 27 E., at the intersection of the 1st Std. Parallel N., with the E. bdy. of the Fort Apache Indian Reservation, which is a 3-inch iron post, properly set and marked and witnessed as described by the surveyor general,

25.46 East, on a random line, on the S. bdy. of fracl. sec. 33. Fall 35 lks. N. of the original standard cor. of sec. 34, and frac. sec. 33, which is an unmarked stone, 24x10x8 ins. set in a mound of stone, and witnessed by one bearing tree. Mark the stone "S C" on N., with 3 notches on E. and W. faces.

From cor.,
A pine, 30 ins. diam., brs. N. 78° E., 36 lks. dist., marked S C T 5 N R 27 E S 34 B T. (orig. B T).
A pine, 14 ins. diam., brs. N. 75½° W., 61 lks. dist., marked S C T 5 N R 27 E S 33 B T. (new B T).

RESURVEY.
N. 89° 13' W., on a true line, on the S. bdy. of fracl. sec. 33.

Over rolling land, thru. heavy timber and scattering undergrowth.

- 6.16 Trail, brs. N. and S.
 - 22.56 Trail, brs. N. and S.
 - 23.11 Creek, 5 lks. wide, course S.
 - 25.46 The reestablished closing cor. of fracl. Ts. 4 and 5 N., R. 27 E. on E. bdy. of Ft. Apache Indian Reservation.
- Land, rolling.
Soil, 2nd rate, depth over 2 ft.
Timber, pine, fir and aspen.
Undergrowth, some 2nd growth timber.
Grazing good.

4 Resurvey of Subdivision lines in Fract. T. 5 N., R. 27 E.

Chains.

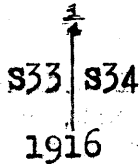
- From the reestablished standard cor. of sec. 34, and fract. sec. 33.
- 40.08 North, on a random line, bet. sec. 34 and fract. sec. 33 (S. $\frac{1}{2}$)
Fall 35 lks. W of the point for $\frac{1}{4}$ sec. cor., determined from the original bearing tree.
From true point for $\frac{1}{4}$ sec. cor.,
- 39.89 North, on a random line, bet. secs. 34 and fract. sec. 33 (N. $\frac{1}{2}$).
Fall 34 lks. W. of the original cor. of secs. 27 and 34, and fract. secs. 28 and 33, which is a mound of stone witnessed by one bearing tree.

Return to the reestablished standard cor. of sec. 34, and fract. sec. 33.

Thence, N. 0° 30' E., on a true line, bet. sec. 34, and fract. sec. 33 (S. $\frac{1}{2}$).

Over rolling land, thru heavy timber and scattering undergrowth.

- 40.08 The true point for $\frac{1}{4}$ sec. cor.
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor., with brass cap, marked,



from which,

- A pine, 48 ins. diam., brs. S. 70° E., 191 lks. dist., marked $\frac{1}{4}$ S 34 B T. (Orig. B.T.)
- A pine, 30 ins. diam., brs. S. 29° W., 62 lks. dist., marked $\frac{1}{4}$ S 33 B T. (New B.T.)

Thence, N. 0° 29' E., on a true line, bet. sec. 34, and fract. sec. 33. (N. $\frac{1}{2}$).

- 10.85 Trail, brs. SE. and NW.
- 39.89 The cor. of secs. 27 and 34, and fract. sec. 28 and 33.
In the old mound of stone, set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in the ground, to bed rock, supported in a mound of stone, for reestablished cor. of secs. 27 and 34, and fract. secs. 28 and 33, with brass cap, marked



from which,

- A fir, 8 ins. diam., brs. N. 83 $\frac{1}{2}$ ° E., 89 lks. dist., marked T 5 N R 27 E S 27 B T. (New B.T.)
- A pine, 10 ins. diam., brs. S. 22° E., 16 lks. dist., marked T 5 N R 27 E S 34 B T. (old B.T.)
- A pine, 22 ins. diam., brs. S. 77° W., 30 lks. dist., marked T 5 N R 27 E S 33 B T. (New B.T.)
- A pine, 16 ins. in diam., brs. N. 36° W., 53 lks. dist., marked T 5 N R 27 E S 28 B T. (New B.T.)

Land, rolling.
Soil, 2nd rate, over 2 ft. deep.
Timber, pine, fir and aspen.
Undergrowth, scattering 2nd growth timber.
Grazing, good.

The reestablished closing cor. of fract. secs. 28 and 33 on E. bdy. of Ft. Apache Indian Reservation is a 2-in. iron post, 12 ins. above ground, marked and witnessed as described by the surveyor general.

Thence S. 89° 23' E., on a random line, bet. fract. secs. 28 & 33.

Resurvey of Subdivision Lines in fracl. T5N. R. 27E. S. 5

Chains.

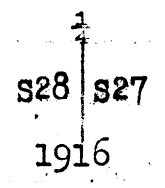
26.33 Fall 37 lks. N. of the reestablished cor. of secs. 27 and 34, and fracl. secs. 28 and 33.
 Thence, N. 88° 25' W., on a true line, bet. fracl. secs. 28 and 33.
 Over rolling land, thru. heavy timber and scattering undergrowth.
 9.80 Trail, brs. SE. and NW.
 11.95 Spring bra. S. about 150 lks. dist.; flows SE.
 26.33 The reestablished closing cor. of fracl. secs. 28 and 33 on E. bdy. of Fort Apache Indian Reservation.
 Land, rolling.
 Soil, 2nd rate.
 Timber, pine, fir and aspen.
 Undergrowth, 2nd growth timber.

39.80 North, on a random line, bet. sec. 27 and fracl. sec. 28 (S. 1/2).
 Fall 89 lks. W. of the true point for 1/4 sec. cor., determined from the original bearing tree.

Thence from true point for 1/4 sec. cor., North, on a random line, bet. sec. 27 and fracl. sec. 28 (N. 1/2).
 38.27 Fall 92 lks. W. of the original cor. of secs. 22 and 27, and fracl. secs. 21 and 28, which is a mound of stone, witnessed by two bearing trees.
 Return to the reestablished cor. of secs. 27 and 34, and fracl. secs. 28 and 33.

Thence, N. 1° 16' E., on a true line, bet. sec. 27 and fracl. sec. 28 (S. 1/4).
 Over rolling land, thru. heavy timber and scattering undergrowth.

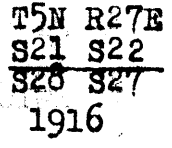
Ascend 25 ft. to
 14.50 Low ridge, brs. SE. and NW. Descend 100 ft.
 39.81 The true point for 1/4 sec. cor.
 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished 1/4 sec. cor. of sec. 27, and fracl. sec. 28, with brass cap, marked



from which,
 A pine stump, 10 ft. high, 20 ins. diam., brs. S. 30° E., 40 lks. dist., marked 1/4 S 27 B T (old B.T.)
 A pine, 9 ins. in diam., brs. N. 55° 45' E., 38 lks. dist., marked 1/4 S 27 B T. (new B.T.)
 A pine, 8 ins. diam., brs. N. 88° 45' W., 35 lks. dist., marked 1/4 S 28 B T. (new B.T.)

Thence, N. 1° 23' E., on a true line, bet. sec. 27, and fracl. sec. 28 (N. 1/2).
 Over rolling land.

14.30 Trail, brs. E. and W.
 20.75 Creek, 5 lks. wide, 6 ins. deep, course SE.; ascend 110 ft.
 25.35 Same creek, course SW.
 25.85 Same creek, course SE.
 27.85 Trail, brs. SE. and NW.
 30.45 Spring branch, 1 lk. wide, course SW.
 38.28 The cor. of secs. 22 and 27, and fracl. secs. 21 and 28.
 In the center of the old mound of stone, set an iron post, 3 ft. long, 2 ins. in diam., 20 ins. in the ground to bedrock, supported in a mound of stone for reestablished cor. of secs. 22 and 27 and fracl. secs. 21 and 28, with brass cap, marked



from which,

6. Resurvey of subdivision lines in frac11 T. 5 N. R. 27 E.

Chains.

- A dead pine, 18 ins. in diam., brs. N. 28° E., 12 lks. dist., marked T 5 N R 27 E S 22 B T. (old B.T.)
 A fir, 9 ins. diam., brs. S. 86° W., 141 lks. dist., marked T 5 N R 27 E S 28 B T. (old B.T.)
 A fir, 9 ins. diam., brs. N. 23½° E., 59 lks. dist., marked T 5 N R 27 E S 22 B T. (new B.T.)
 A pine, 10 ins. in diam., brs. S. 54° E., 59 lks. dist., marked T 5 N R 27 E S 27 B T. (new B.T.)
 A pine, 12 ins. in diam., brs. N. 25½° W., 61 lks. dist., marked T 5 N R 27 E S 21 B T. (new B.T.).

Land, rolling.

Soil, 2nd and 3rd rate, about 18 ins. deep.

Timber, pine and fir.

Undergrowth, scattering 2nd growth timber.

The reestablished closing cor. of frac1. secs. 21 and 28 on E. bdy. of Ft. Apache Indian Reservation is an iron post 2 ins. in diam., 12 ins. above ground, and properly marked.

Thence,

- 28.19 S. 88° 25' E., on a random line, bet. frac1. secs. 21 and 28. Fall 2.22 chs. N. of the reestablished cor. of secs. 22 and 27, and frac1. secs. 21 and 28.

Thence,

N. 83° 56' W., on a true line, bet. frac1. secs. 21 and 28.

Over rolling land, thru. dense timber and scattering undergrowth.

Descend 75 ft.

- 6.60 Trail, brs. SE. and NW.
 6.65 Creek, 5 lks. wide, 5 ins. deep, course SE. Ascend 200 ft.
 27.70 Trail, brs. SE. and NW.
 28.34 The reestablished closing cor. of frac1. secs. 21 and 28 on E. bdy. of Fort Apache Indian Reservation.

Land, rolling hills.

Soil, 2nd rate.

Timber, pine and fir.

Undergrowth, scattering 2nd growth timber.

From the reestablished cor. of secs. 22 and 27, and frac1. secs. 21 and 28,

- 39.88 North, on a random line, bet. sec. 22 and frac1. sec. 21, (S. ½) Fall 130 lks. W. of the original ¼ sec. cor., which is a mound of stone, witnessed by a bearing tree.

Thence, from ¼ sec. cor.,

- 39.72 North, on a random line, bet. sec. 22 and frac1. sec. 21, (N. ½) Fall 28 lks. E. of the original cor. of secs. 15 and 22, and frac1. secs. 16 and 21, which is a piece of the old stake in ground, the top of which is broken off and lies alongside. Faint scribe marks visible. No evidence of original bearing trees.

Return to the reestablished cor. of secs. 22 and 27, and frac1. secs. 21 and 28,

Thence,

N. 1° 52' E., on a true line, bet. sec. 22, and frac1. sec. 21 (S. ½).

Over rolling land, thru. heavy timber, and scattering undergrowth.

- 25.85 Trail brs. NE. and SW.

- 39.90 The original ¼ sec. cor. In center of old mound, set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground, to bedrock, supported by a mound of stone, for reestablished ¼ sec. cor., with brass cap, marked

Reurvey of subdivision lines in tract Township 5 N. R. 27 E.

Chains.

From which,
 A pine, 15 ins. diam., brs. N. 38° E., 8 lks. dist.,
 marked $\frac{1}{2}$ S 22° B. T. (old B. T.)
 A fir, 20 ins. diam., brs. S. 47° W., 26 lks. dist.,
 marked $\frac{1}{2}$ S 21° B. T. (new B. T.)

Thence,
 N. 0° 24' W., on a true line, bet. sec. 22, and frac. sec. 21, (N. half).

Descend 75 ft.

5.55
 5.65
 35.90
 39.72

Draw, drains W.
 Trail, brs. NE. and SW. Ascend 200 ft.
 Trail, brs. SE. and NW.
 The original cor. of secs. 15 and 22, and frac. secs. 16 and 21.
 Alongside of old stake, set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for reestablished cor. of secs. 15 and 22, and frac. secs. 16 and 21, with brass cap, marked

T 5N R27E
S16 S15
S21 S22

1916

from which,
 An aspen, 10 ins. diam., brs. N. 88° E., 75 lks. dist.,
 marked T5N R27E S15 B.T.
 A pine, 18 ins. diam., brs. S. 27° E., 31 lks. dist., marked
 T5N R27E S22 B. T.
 A pine, 36 ins. in diam., brs. S. 50 $\frac{1}{2}$ ° W., 112 lks. dist.,
 marked T5N R27E S21 B. T.
 A pine, 111 ins. diam., brs. N. 49 $\frac{1}{2}$ ° W., 26 lks. dist.,
 marked T5N R27E S16 B. T.

All new B. Ts.
 Land, rolling hills.
 Soil, 2nd and 3rd rate,
 Timber, pine, fir and aspen.
 Undergrowth, 2nd growth timber.
 Grazing good.

The reestablished closing cor. of frac. secs. 16 and 21, on E. bdy. of Ft. Apache Indian Reservation, is an iron post 2 ins. in diam., 12 ins. above ground, marked and witnessed as described by the surveyor general.

29.25 Thence,
 S. 83° 56' E., on a random line, bet. frac. secs. 16 and 21.
 Fall 20 lks. N. of the reestablished cor. of secs. 15 and 22, and frac. secs. 16 and 21.

Thence,
 N. 83° 32' W., on a true line, bet. frac. secs. 16 and 21.
 Over rolling land, thru. heavy timber and scattering undergrowth.

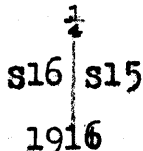
2.70
 5.50
 10.00
 10.60
 13.50
 29.25

Descend 140 ft.
 Trail, brs. SE. and NW.
 Leave timber and undergrowth, brs. S. and NW.
 Trail, brs. S. 15° E. and N. 15° W.
 Spring branch, 3 lks. wide, course S. 15° E.
 Ascend 60 ft.
 Enter timber and undergrowth, brs. N. and SE.
 The reestablished closing cor. of frac. secs. 16 and 21, on E. bdy. of Ft. Apache Indian Reservation.
 Land, rolling hills.
 Soil, 2nd rate.
 Timber, pine, fir, spruce and aspen.
 Undergrowth, 2nd growth timber.

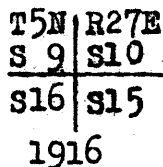
8. Resurvey of subdivision lines in fracl. T 5 N., R. 27 W.

Chains.

- From the reestablished cor. of secs. 15 and 22, and fracl. secs. 16 and 21,
North, on a random line, bet. sec. 15 and fracl. sec. 16.
- 40.00 Find no evidence of the original $\frac{1}{4}$ sec. cor. Set temp. cor.
- 80.16 Fall 35 lks. E of
The original cor. of secs. 10 and 15, and fracl. secs. 9 and 16, which is a piece of the old stake, badly decayed in ground, with other pieces on top of ground near by, witnessed by traces of old pits and old bearing trees.
Return to the reestablished cor. of secs. 15 and 22, and fracl. secs. 16 and 21.
- Thence,
N. 0° 15' W., on a true line, bet. sec. 15 and fracl. sec. 16.
Over rolling land, thru heavy timber and scattering undergrowth.
- 27.30 Enter meadow, brs. E. and W.
- 32.00 Spring branch, 2 lks. wide, course NW.
- 34.00 Trail, brs. SE. and NW.
- 39.25 Spring branch 3 lks. wide, course W.
- 40.08 (Proportional dist.), Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground to bed rock, supported by a mound of stone, for reestablished $\frac{1}{4}$ sec. cor., with brass cap, marked



- from which,
A pine, 12 ins. in diam., brs. N. 9° E., 255 lks. dist., marked $\frac{1}{4}$ S 15 B T.
- A double pine, 20 ins. in diam., brs. N. 33 $\frac{1}{2}$ ° W., 237 lks. dist., marked $\frac{1}{4}$ S 16 B T.
- 43.40 Enter timber and undergrowth, brs. E. and W.
Ascend 85 ft.
- 78.40 Trail, brs. NE. and SW.
- 80.16 The original cor. of secs. 10 and 15, and fracl. secs. 9 and 16.
Alongside of old stake, set an iron post 3 ft. long, 2 ins. in diam., 20 ins. in the ground to bedrock, supported in a mound of stone, for reestablished cor. of secs. 10 and 15, and fracl. secs. 9 and 16, with brass cap, marked



- from which,
A dead aspen, 12 ins. diam., brs. N. 32° E., 42 lks. dist., blazed, but not marked (old B.T.)
- A spruce, 20 ins. in diam., brs. N. 75° E., 107 lks. dist., marked T 5N R27E S10 BT. (new B.T.)
- A pine, 12 ins. in diam., brs. S. 57 $\frac{1}{2}$ ° E., 167 lks. dist., marked T5N R27E S15 BT. (new B.T.)
- A pine, 14 ins. in diam., brs. S. 20 $\frac{1}{2}$ ° W., 109 lks. dist., marked T5N R27E S16 B T. (new B.T.)
- A pine, 14 ins. diam., brs. N. 72 $\frac{1}{2}$ ° W., 477 lks. dist., marked T5N R27E S9 BT. (new B.T.)

Land, rolling.
Soil, 2nd rate, over 2 ft. deep.
Timber, pine, fir and aspen.
Undergrowth, 2nd growth timber.
Grazing good.

The reestablished closing cor. of fracl. secs. 9 and 16 on E. bdy. of Fort Apache Indian Reservation, is an iron

Resurvey of subdivision lines in fracl. T. 5 N. R. 27 E. 9.

Chains.	
	post, 2 ins. in diam., 12 ins. above ground, marked and witnessed as described by the surveyor general.
	Thence,
28.67	S. 83° 32' E., on a random line, bet. fracl. secs. 9 and 16.
	Fall 25 lks. S. of the reestablished cor. of secs. 10 and 15, and fracl. secs. 9 and 16.
	Thence,
1.60	Trail, brs. SE. and NW.
11.15	Leave timber and undergrowth, brs. NE. and SW.
15.55	Creek, 5 lks. wide, 6 ins. deep, course S. 20° E.
28.15	Trail, brs. N. and S.
28.67	The reestablished closing cor. of fracl. secs. 9 and 16 on E. bdy. of Fort Apache Indian Reservation.
	Land, rolling.
	Soil, 2nd rate, over 2 ft. deep.
	Timber, pine, fir and aspen.
	Undergrowth, 2nd growth timber.
	Grazing, good.

	From the reestablished cor. of secs. 10 and 15, and fracl. secs. 9 and 16,
	North, on a random line, bet. sec. 10, and fracl. sec. 9.
40.00	Find no evidence of the original 1/4 sec. cor.
	Set temp. cor.
80.00	Find no evidence of the original cor. of secs. 3 and 10, and fracl. secs. 4 and 9.
	Set temp. cor.
	Continue line and measurement, bet. secs. 3 & fracl. sec. 4.
120.00	Find no evidence of the original 1/4 sec. cor. Set temp. cor.
158.80	Fall 4.42 lks. S. of the orig. cor. of secs. 3 & 34, and fracl. secs. 4 and 33, on N. bdy. of the Tp.
158.80	From the temp. cor. of secs. 3 & 10, and fracl. secs. 4 and 9, East, on random line, bet. secs. 3 & 10, 2 & 11, and 1 and 12. Make careful search for orig. 1/4 sec. cor. and sec. cors. at record distances, but without success.
	From the temp. cor. of secs. 3 and 10, and fracl. secs. 4 and 9,
	From clos. cor. of fracl. secs. 4 & 9 on N. bdy. of Ft. Apache I.R.
28.51	S. 84° 02' E., on a random line, bet. fracl. secs. 4 and 9.
	Fall 35 lks. N. of the temp. cor. of secs. 3 and 10, and fracl. secs. 4 and 9.
	True course and dist. of line back to the Closing cor. is therefore N. 83° 20' W., 28.55 chs.
	Owing to the extreme falling of the random line, run north and in view of the fact that the random line run east bet. the two north tiers of secs. failed to reveal any original cors., reestablish the cor. of secs. 3 and 10, and fracl. secs. 4 and 9 by maintaining the record length for line bet. sec. 10, and fracl. sec. 9, and also, for line bet. fracl. secs. 4 and 9. The record length of line bet. fracl. secs. 4 and 9 was 27.54 chs., but owing to the moving of the original closing cor. of said secs. west a dist. of 1.27 chs. at the time of the resurvey of the E. bdy. of the Ft. Apache Indian Reservation, the record length is now 28.81 chs. As the temp. cor. of secs. 3 and 10, and fracl. secs. 4 and 9 is set at 80 chs. N. from the reestablished cor. of secs. 10 and 15, and fracl. secs. 9 and 16, the point for the reestablishment of the missing sec. cor. will be on an E. and W. line thru said temp. cor.
	The length of line bet. temp. sec. cor., and CC being 28.55 chs., the reestablished cor. point is located 26 lks. E. of said temp. cor., resulting in a true course and length of said line of N. 83° 20' W., 28.81 chs., and giving for line bet. sec. 10 and fracl. sec. 9, a true course and length of N. 0° 11' E., 80.00 chs., and for line bet. sec. 3, and fracl. sec. 4 a true course and length of N. 3° 24' W., 78.94 chs.

10 Resurvey of Subdivision lines in fract T 5 N R 27

Chains.

Return to the reestablished cor. of secs. 10 and 15, and
fracl. secs. 9 and 16.

Thence,

N. 0° 11' E., on a true line, bet. secs 10 and fracl. sec. 9.
Over rolling land, thru, heavy timber and scattering under-
growth.

- 5.85 Old road, brs. E. and W.
22.00 Leave timber and undergrowth, brs. NE. and W.
25.85 Wagon road, brs. E. and W.
40.00 Record distance, set an iron post, 3 ft. long, 1 in. in
diam., 26 ins. in the ground for reestablished $\frac{1}{4}$ sec.
cor., with brass cap, marked

$\frac{1}{4}$
 S 9 | S 10
 1916

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

- 41.40 Trail, brs. E. and W.
49.50 Enter timber and undergrowth, brs. SE. and NW.
58.00 Leave timber and undergrowth, brs. NE. and SW.
73.80 Enter timber and undergrowth, brs. E. and W.
80.00 (Record distance,) Set an iron post, 3 ft. long, 2 ins. in
diam., 24 ins. in the ground, for reestablished cor.
of secs. 3 and 10, and fracl. secs. 4 and 9, with brass
cap; marked

T5N R27E
 S 4 | S 3
 S 9 | S 10
 1916

from which,

- A pine, 14 ins. in diam., brs. N. 42 $\frac{1}{2}$ ° E., 41 lks. dist.,
marked T5N R27E S3 BT.
A pine, 22 ins. in diam., brs. S. 58° E., 90 lks. dist.,
marked T5N R27E S10 BT.
A pine, 20 ins. in diam., brs. S. 34 $\frac{1}{2}$ ° W., 72 lks. dist.,
marked T5N R27E S9 BT.
A pine, 18 ins. in diam., brs. N. 65° W., 3 lks. dist.,
marked T5N R27E S4 BT.

Land, rolling.
Soil, 2nd rate, over 2 ft. deep.
Timber, pine, fir and aspen.
Undergrowth, 2nd growth timber.
Grazing good.

N. 83° 20' W., on a true line, bet. fracl. secs. 4 and 9.
Over rolling land, thru. dense timber and scattering under-
growth.

- 12.40 Leave timber and undergrowth, brs. N. and S.
17.40 Spring branch, 3 lks. wide, course S.
22.00 Enter timber, brs. N. and S.
23.40 Wagon road, brs. N. and S.
28.81 The reestablished closing cor. of fracl. secs. 4 and 9, on E.
bdy. of Ft. Apache Indian Reservation, which is a 2-inch
iron post, 12 ins. above ground, marked and witnessed
as described by the surveyor general.

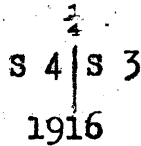
Land, rolling.
Soil, 2nd rate, over 2 ft. deep.
Timber, pine, fir, spruce and aspen.
Undergrowth, 2nd growth timber.
Grazing good.

A From the reestablished cor. of secs. 3 and 10, and fracl.
secs. 4 and 9,

Resurvey of subdivision lines in fracl. T. 5 N., R. 27 E. 11

Chains.

31.40 N. 3°24' W., on a true line, bet. sec. 3 and fracl. sec. 4.
 Over rolling land, thru. heavy timber and scattering under-
 growth,
 Ridge, brs. E and W.
 39.71 (Proportional dist.) Set an iron post, 3 ft. long, 1 in. in
 diam., 26 ins. in the ground, for reestablished $\frac{1}{4}$ sec.
 cor., with brass cap, marked



from which,
 A fir, 16 ins. in diam., brs. N. 73° E., 10 lks. dist.,
 marked $\frac{1}{4}$ S 3 B T.
 A spruce, 16 ins. diam., brs. S. 23 $\frac{1}{2}$ ° W., 34 lks. dist.,
 marked $\frac{1}{4}$ S 4 B T.

78.94 Intersect original cor. of secs. 3 and 34, and fracl. secs.
 4 and 33 on N. bdy. of Tp., which is a granite stone
 20x18x8 ins., marked with 3 notches on W. face, and set
 in a mound of stone.

Alongside of old stone, set an iron post, 3 ft. long, 2 ins.
 in diam., 20 ins. in the ground to bedrock, supported in
 a mound of stone, for reestablished cor. of secs. 3 and 34,
 and fracl. secs. 4 and 33, with brass cap, marked



from which,
 A spruce, 8 ins. diam., brs. N. 53 $\frac{1}{2}$ ° E., 17 lks. dist.,
 marked T6N R27E S34 B T. (new B.T.)
 A pine, 28 ins. in diam., brs. S. 77° E., 22 lks. dist.,
 marked T5N R27E S3 B T. (new B.T.)
 A fir, 12 ins. in diam., brs. S. 13° W., 17 lks. dist.,
 marked T5N R27E S4 B T. (old B.T.)
 A spruce, 8 ins. in diam., brs. N. 25° W., 39 lks. dist.,
 marked T6N R27E S33 B T. (new B.T.).

Land, rolling.
 Soil, 2nd rate, over 18 ins. deep.
 Timber, pine, spruce, fir and aspen.
 Undergrowth, scattering, 2nd growth timber.

Resurvey of part of North bdy. of Frac. T. 5 N., R. 27 E.

Retracement for Resurvey.

From the closing cor. of fracl. Ts. 5 and 6 N., R. 27 E., on E.
 bdy. of Fort Apache Indian Reservation,
 East, on a random line, bet. fracl. secs. 4 and 33.
 23.86 Fall 35 lks. N. of the reestablished cor. of secs. 3 and 34,
 and fracl. secs. 4 and 33, hereinbefore described.

RESURVEY.

Thence,
 N. 89°10' W., on a true line, bet. fracl. secs. 4 and 33.
 Over rolling land, thru. dense timber and scattering under-
 growth.
 23.86 The reestablished closing cor. of fracl. Ts. 5 and 6 N., R.
 27 E., on E. bdy. of Ft. Apache Indian Reservation, which
 is an iron post, 3 ins. in diam., 12 ins. above ground,
 marked and witnessed as described by the surveyor
 general.

Land, rolling.
 Soil, 2nd rate, over 2 ft. deep.
 Timber, pine, fir &
 spruce. Undergrowth, 2nd growth timber.

Boundaries of that portion of fracl. T.5 N., R.27 E.
resurveyed under this group.

Latitudes, departures and closing errors.

Line designated.	True bearing.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
South Tp. bdy. (1st. Std. Par. N.)	N. 89° 13' W.	25.46	.35			25.46
West Tp. bdy.,	North,	476.18	476.18			
North Tp. bdy.	S. 89° 10' N.	23.86		.35	23.86	
Subdivisional boundary	S. 3° 24' E.	78.94		78.80	4.68	
	S. 0° 11' W.	80.00		80.00		.26
	S. 0° 15' E.	80.16		80.16	.17	
	S. 0° 24' E.	39.72		39.72	.28	
	S. 1° 52' W.	39.90		39.88		1.30
	S. 1° 23' W.	38.22		38.27		.92
	S. 1° 16' W.	39.81		39.80		.88
	S. 0° 29' W.	39.89		39.89		.34
	S. 0° 30' W.	40.08		40.08		.35
Convergency,					.02	
Totals,			476.53	476.95	29.01	29.51
				476.53		29.01
Error in latitude,				.42		
Error in departure,						.50

GENERAL DESCRIPTION.

There are no settlers in the resurveyed portion of this township, which is covered with good timber and grass, with plenty of good water. No evidence of the existence of valuable mineral was observed.

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FIELD ASSISTANTS.

NAMES.	CAPACITY.
B. J. Kinsey	Chainman.
B. E. Wakeman	Chainman.
B. F. Howell	Flagman
Tranguiline Chandalaris	Moundman.
Martin Padia	Axman.

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BOOK 3283
14 CERTIFICATE OF UNITED STATES SURVEYOR.

I, William B. Kimmel, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 65, Arizona bearing date of the 5th day of April, 1916, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, ^{re-} surveyed ~~all these parts or portions of~~ The First Standard Parallel North, in Fractional Range 27 East, a Part of the North Boundary and the Subdivision Lines of Fractional Township 5 North, Range 27 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 2 hereof,} as having been executed by me, and under my direction; and that all the corners of said ^{re-} survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General, for Group 65, Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such ^{re-} survey.

William B. Kimmel
U. S. Surveyor.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix Arizona, August 2, 1919.

The foregoing field notes of the ^{re-} survey of The First Standard Parallel North thru part of Frac'l Range 27 East, a Part of The North Boundary and a Part of The Subdivision Lines of Fractional Township 5 North, Range 27 East, of The Gila and Salt River Base and Meridian in The State of Arizona

executed by William B. Kimmel, U. S. Surveyor, under his special instructions dated April 5, 1916 for Group 65, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the ^{re-} surveys they describe, are hereby approved.

Francis DeForest
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.