

2879
4-679

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BOOK 2879

Book "D."
(Subdivisions)

FIELD NOTES

OF THE SURVEY OF THE

2879

COMPLETION OF THE

SUBDIVISION LINES OF TOWNSHIP 18 NORTH, RANGE 18 WEST,

Of the Gila and Salt River Base and Meridian,

In the State of Arizona,

EXECUTED BY

Otis Ross

2879

In the capacity of U. S. Surveyor, under instructions dated January 4, 1915,
issued by the United States Surveyor General to govern surveys included in
Group No. 43, which were approved by the Commissioner of the General Land
Office, January 22, 1915.

Survey commenced February 9, 1915.

Survey completed February 14, 1915.

Executed under assignment
Instructions dated Jan. 31-1915.

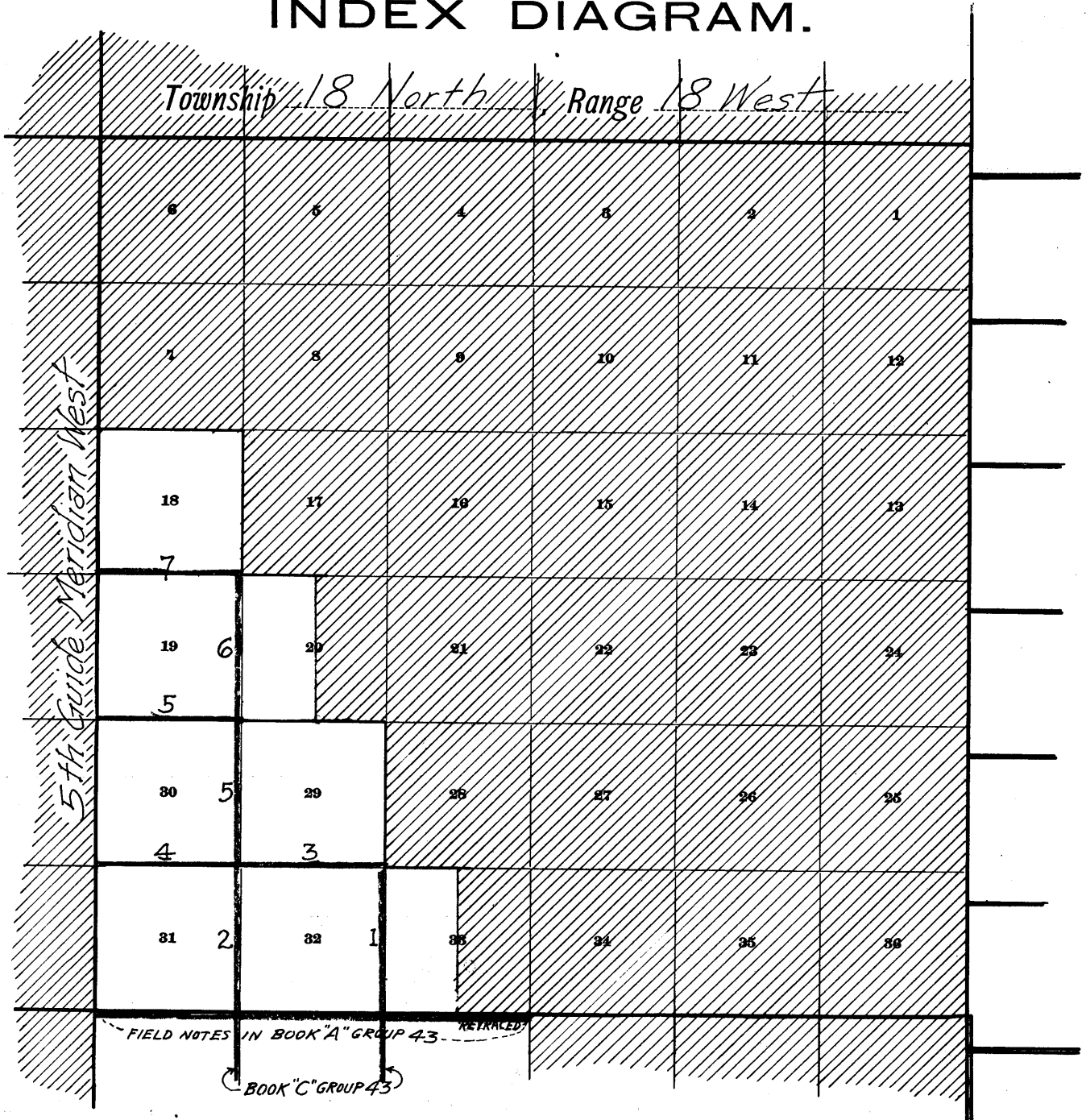
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1A

BOOK 2879

Book "D" of Group 43

INDEX DIAGRAM.



———— Surveys described in field notes of Group 43

———— Surveys described in field notes of Group 46

———— Accepted surveyed lines.

////// Shade area ^{surveyed} as per accepted plats on file.

Completion of Subdivision of Parcel T. 18 N., R. 18 W.

Chains Survey commenced Feb. 9, 1915.

For description and field test of instrument see notes on the survey of W. half of N. bdy. of T. 17 N., R. 18 W., under date of Feb. 3 and 8, 1915, in Book "A."

Survey made by Otis Ross, U. S. Surveyor, as follows:

At the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the township, which is a lime stone, described in Book "A", and at 3h., 0m., p.m., l.m.t., I set off $14^{\circ} 45\frac{1}{2}'$ S. on the decl. arc, and $34^{\circ} 54'$ on the lat. arc, and determine a meridian with the solar.

Thence I run

N. $0^{\circ} 2'$ W. on a random line bet. secs. 32 and 33.

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

79.98 Intersect a point 19 lks. W. of old cor. of secs. 28, 29, 32 and 33, which is a lime stone 20 X 14 X 10 ins, set in a mound of stone, and marked and witnessed as described by the surveyor general.

Thence I run

S. $0^{\circ} 6'$ W. on a true line bet. secs. 32 and 33.

Asc. over rolling mountainous land.

7.75 Dry wash, 10 lks. wide, course E.

11.10 50 ft. above sec. cor., ledge of white clay, bears NE. and SW., desc. slightly.

22.85 Dry wash, 10 lks. wide, course E., asc. slightly.

29.85 Dry wash, 20 lks. wide, course E., asc. 35 ft.

33.28 Dry wash, 10 lks. wide, course N. 30° E., asc.

39.99 58 ft. above wash, set a lime stone, 15 X 8 X 4 ins., 12 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Thence over rolling land.

41.73 Dry wash, 30 lks. wide, course E.

45.43 Dry wash, 40 lks. wide, course NE.

61.64 Dry wash, 10 lks. wide, course E.

70.14 Dry wash, 15 lks. wide, course E.

Completion of Subdivision of T. 18 N., R. 18 W.

Chains

- 71.48 Granite boulder, 15 X 8 X 8 ft. 5 lks. E. of line.
 72.36 Dry wash, 20 lks. wide, course E., asc.
 79.98 52 ft. above wash, Cor. of secs. 4, 5, 32 and 33, on S.

bdy. of township, described in Book "A"

Land rolling.

Soil stony, 4th. rate.

No timber.

Undergrowth scattering cactus, sagebrush and greasewood.

Feb. 9, 1915.

Feb. 12, 1915. I. e. e. e. e. At the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the township, described in Book "A", and at 10h., 0m., a.m., l.m.t., and set off 13° 51' S. on the decl. arc, and 34° 54' on the lat. arc, and determine a meridian with the solar.

Thence I run

N. 0° 3' W. bet. secs. 31 and 32.

Desc. over rolling land.

- 24.33 Dry wash, 30 lks. wide, course SW.
 31.15 Dry wash, 180 ft. below sec. cor., course W., asc.
 39.25 Top of spur, 177 ft. above wash, bears E. and W., desc.
 40.00 28 ft. below top of spur.

Set a lime stone, 18 X 10 X 6 ins., 14 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Continue to desc.

- 69.65 Dry wash, 152 ft. below $\frac{1}{4}$ sec. cor, 5 lks. wide, course NW., asc.
 70.25 Top of spur, 125 ft. above wash, bears NW., desc. slightly.
 79.00 Wash, 20 lks. wide, course NW., asc.
 80.00 65 ft. above wash, set a lime stone, 18 X 10 X 8 ins, 14 ins. in the ground for cor. of secs. 29, 30, 31 and 32, marked with 1 notch on S. edge and 5 notches on E. edge, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft.

Completion of Subdivision of Tract. T. 18 N., R. 18 W.

Chains high, W. of cor. A

Land rolling.

Soil stony, 4th. rate.

No timber.

Undergrowth cactus, sagebrush and greasewood.

At the cor. of secs. 29, 30, 31 and 32, at apparent noon, I set off 13° 50' S. on the decl. arc, and observe the sun on the meridian at noon for lat. The resulting lat. is 34° 55'.

S. 89° 52' E. on a random line bet. secs. 29 and 32.

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

80.00 Intersect N. and S. line 18 lks. S. of old cor. of secs. 28, 29, 32 and 33, hereinbefore described.

Thence I run

West on a true line bet. secs. 29 and 32.

Asc. over rough mountainous land.

8.40 Foot of cliffs, 225 ft. high, bears N. and S., continue to asc.

21.00 Top of butte, 493 ft. above sec. cor., bears N. and S., desc.

26.70 Gulch, 116 ft. below butte, course NW., asc.

40.00 407 ft. above gulch, set a malpais stone, 16 X 12 X 4 ins., 12 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

Continue to asc.

44.15 Top of spur, 77 ft. above $\frac{1}{4}$ sec. cor., bears N., desc.

51.40 Dry wash, 181 ft. below spur, course N., asc.

62.20 Enter mesa, 250 ft. above wash, bears NE. and SW.

75.20 Leave mesa, bears NE. and SW., desc.

80.00 139 ft. below mesa, cor. of secs. 29, 30, 31 and 32.

Land rough mountainous.

Soil, stony, 3rd. rate.

No timber.

Undergrowth cactus, sagebrush and greasewood.

Feb. 12, 1915.

4 Completion of Subdivision of Secs. T. 18 N., R. 18 W.

Chains Feb. 13, 1915. At the cor. of secs. 29, 30, 31 and 32, and at 10h., 0m. a.m., l.m.t., I set off 13° 31' S. on the decl. arc, and 34° 54 $\frac{1}{2}$ ' on the lat. arc, and determine a meridian with the solar, and run Thence I run, N. 89° 52' W. on a random line bet. secs. 30 and 31.

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

80.60 Intersect the 5th Guide Meridian W. 21 lks. N. of old cor. of secs. 25, 30, 31 and 36, which is a malpais stone, 18 X 12 X 10 ins. above ground, marked and witnessed as described by the surveyor general.

Thence I run N. 89° 59' E. on a true line bet. secs. 30 and 31. Asc. over rolling land.

2.25 Enter mesa, slopes gently to SE., bears SE. and NW., 140 ft. above sec. cor., asc. gradually.

30.90 Top of cliffs, 30 ft. high, bear NE. and SW., desc.

31.94 55 ft. below cliffs, gulch, course NE., asc.

39.95 Enter mesa, 208 ft. above gulch, bears NE. and SW.

40.60 Set a malpais stone, 16 X 12 X 8 ins., 12 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

57.30 Leave mesa, bears N. and S., desc.

75.00 Gulch, 350 ft. below mesa, course N., asc.

78.30 Top of spur, 113 ft. above gulch, bears N., desc.

79.78 Gulch, 24 ft. below spur, course NW.

80.60 Cor. of secs. 29, 30, 31 and 32.

Land rolling.

Soil stony, 3rd. rate.

No timber.

Undergrowth scattering cactus, sagebrush and greasewood.

N. 0° 3' W. on a random line bet. secs. 29 and 30.

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

80.00 Intersect a point 3 lks. E. of old cor. of secs. 19, 20, 29 and 30, which is a malpais rock, 24 X 24 X 24 ins., in place, marked with \otimes with stone mound W. of cor,

Completion of Subdivision of T. 18 N., R. 18 W.

Chains	Thence I run
	S. 0° 4' E. on a true line bet. secs. 29 and 30.
	Asc. over rolling land.
14.40	440 ft. above sec. cor., mesa, bears SE. and NW., desc.
22.45	Bench, 75 ft. below mesa, bears NW. and SE., 2 chs. wide. desc.
25.25	Gulch, 28 ft. below bench, course W., asc.
27.10	Enter bench, 27 ft. above gulch, Bears NW. and SE.
28.60	Leave bench, desc.
35.15	Gulch, 46 ft. below bench, course W., asc.
40.00	80 ft. above gulch, set a malpais stone, 12 X 10 X 8 ins. in a mound of stone, marked $\frac{1}{4}$ on W. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Desc.
42.00	Gulch, 49 ft. below $\frac{1}{4}$ sec. cor., course NW., asc.
50.43	Top of cliffs, 50 ft. high, bears E. and W., asc.
51.00	Cliffs, 25 ft. high, bear E. and W., asc.
60.60	Enter mesa, 536 ft. above gulch, bears NE. and SW.
70.60	Leave mesa, desc.
73.70	Bench, 24 ft. below mesa, bears E. and W., asc.
80.00	185 ft. above bench, cor. of secs. 29, 30, 31 and 32. Land rolling and mountainous. Soil stony, 4th. rate. No timber. Undergrowth scattering cactus, sagebrush and greasewood.

	From old cor. of secs. 19, 20, 29 and 30,
	I run
	S. 89° 59' W. on a random line bet. secs. 19 and 30.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.69	Intersect the 5th. Guide meridian West 37 lks. N. of old cor. of secs. 19, 24, 25 and 30, which is a malpais boulder in place 16x30x15 ins. above ground, marked and witnessed as described by the Surveyor General. Thence I run, N. 89° 43' E. on a true line bet. secs. 19 and 30. Asc. over rolling mountainous land!
7.35	Enter mesa, 280 ft. above sec. cor., bears N. and S.

6 Completion of Subdivision of ~~Tract~~ T. 18 N., R. 18 W.

Chains

- 30.50 Leave mesa, desc.
- 40.69 280 ft. below mesa, set a malpais stone, 16 X 8 X 6 ins. . . 12 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Continue to desc.
- 72.48 Gulch, 390 ft. below sec. cor., course NE., asc.
- 80.69 73 ft. above gulch, Cor. of secs. 19, 20, 29 and 30. Land rolling mountainous. Soil stony, 4th. rate. No timber. Undergrowth scattering cactus, sagebrush and greasewood. Feb. 13, 1915.

Feb. 14, 1915. At old cor. of secs. 19, 20, 29 and 30, set at 10h., 0m., a.m., 1.m.t., set off $13^{\circ} 11'$ S. on the decl. arc, $34^{\circ} 55\frac{1}{2}'$ on the lat. arc, and determine a meridian with the solar, and thence I run, N. $0^{\circ} 3'$ W. on a random line bet. secs. 19 and 20.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.76 Intersect a point 14 lks. W. of old cor. of secs. 17, 18, 19 and 20, which is a malpais stone, 16 X 14 X 6 ins. above ground, marked and witnessed as described by the surveyor general. Thence I run S. $0^{\circ} 3'$ W. on a true line bet. secs. 19 and 20. Asc. over rough mountainous land.
- 1.12 Top of spur, bears E., 25 ft. above sec. cor., desc.
- 4.70 Wash, course E., 33 ft. below top of spur, asc.
- 5.85 Top of spur, bears E., 23 ft. above wash, desc.
- 10.63 Wash, course E., 10 ft. below spur., asc.
- 14.13 Top of spur, bears E., 89 ft. above wash, desc.
- 16.56 Wash, course SE., 78 ft. below top of spur, asc.
- 21.30 Top of spur, bears SE., 132 ft. above wash, desc.
- 39.88 157 ft. below top of spur. Set a malpais stone, 16 X 10 X 6 ins., 12 ins. in the

Completion of Subdivision of Township 18 North, Range 18 West. 7.

Chains.	<p>ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.</p>
	Continue to descend.
68.00	Gulch, course NE., 96 ft. below $\frac{1}{4}$ sec.cor.; ascend.
74.80	Top of spur bears W., 76 ft. above gulch; descend.
78.96	Gulch, 40 ft. below top of spur.
79.76	Old cor. of secs. 19, 20, 29 and 30.
	Land, rough, mountainous.
	Soil, stony, 3rd rate.
	No timber.
	Undergrowth, scattering cactus, sage brush and greasewood.

	From old cor. of secs. 17, 18, 19 and 20, I run, S. $89^{\circ}43'$ W. on a random line, bet. secs. 18 and 19.
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.92	Intersect the 5th. Guide Meridian West at old cor. of secs.
	13, 18, 19 and 24, which is a malpais stone 12x14x5 ins.
	above ground, marked and witnessed as described by the
	, Surveyor General.
	Thence I run,
	N. $89^{\circ}43'$ E. on a true line, bet. secs. 18 and 19.
	Ascend over rolling land.
8.00	Enter mesa, bears NE. and SW., 290 ft. above sec.cor.
39.10	Leave mesa; descend.
40.92	50 ft. below mesa, set a malpais stone, 18x8x6 ins., 14 ins.
	in the ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N. face, and
	raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of
	cor.
	Continue to descend NE. slope.
80.92	Old cor. of secs. 17, 18, 19 and 20, 650 ft. below $\frac{1}{4}$ sec.cor.
	Land rolling.
	Soil, stony, 3rd rate.
	No timber.
	Undergrowth, scattering cactus, sage brush and greasewood.
	<p style="text-align: right;">Otis Ross, U.S.S. Feb. 14, 1915.</p>

8.

Boundaries of that portion of Township 18 N., R. 18 W.,
which is subdivided under Group 43.

Latitudes, departures, and closing errors.

Line designated.	True bearing.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
S.bdy. of Tp.	West, N.89°52'W.	40.00 200.79	0.47			40.00 200.79
W.bdy. of Tp. (5th. Guide Mer. E)	N.0° 03' W.	320.00	320.00			0.28
Subdivisional boundary.	East, S.0° 03' E.	81.20 80.00		80.00	81.20 0.07	
	East, S.0° 2' E.	80.00 160.00		160.00	80.00 0.09	
	East, S.0° 2' E.	80.00 80.00		80.00	80.00 0.05	
	Convergency,				0.11	
Totals. -----			320.47	320.00	241.52	241.07
			320.00		241.07	
Error in latitude. ---			0.47			
Error in departure. -----					0.45	

GENERAL DESCRIPTION.

The portion of this township subdivided by me is very rough and mountainous, and covered with lava boulders. There is no water or timber in this township, and no settlers.

Cactus and greasewood is quite plentiful.

February 11, 1903.

U. S. Surveyor.


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BOOK 2879
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CERTIFICATE
FOR ~~FINAL OATH~~ OF UNITED STATES SURVEYOR.
see book "C" of this group.

I, _____, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for _____ bearing date of the _____ day of _____, 191____, 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 _____ of the _____ Meridian, in the State of _____, which are represented in the foregoing field notes as having been executed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

U. S. Surveyor.

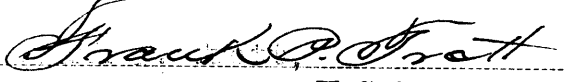
Subscribed by said _____, and sworn to before me }
this _____ day of _____, 191____



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,
Phoenix, Arizona, February 26, 1917.

The foregoing field notes of the survey of the completion of the _____
Subdivision lines of _____
TOWNSHIP 18 NORTH, RANGE 18 WEST,
of the Gila and Salt River Base and Meridian, in the
State of Arizona,
executed by Otis Ross, U. S. Surveyor,
under his special instructions dated January 4, 1915, for Group 43, _____, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.


U. S. Surveyor General,
of Arizona,

~~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.~~