

3157

Book "C"
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BOOK 3157

FIELD NOTES

RE-
OF THE SURVEY OF

Part of West bdy. of Township 19 North, Range 3 West,

Part of South bdy. of Township 20 North, Range 3 West, and

Part of Subdivision lines of Township 19 North, Range 3 West,

and SURVEY of

Part of Subdivision Lines of Township 19 North, Range 3 West,

3157

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

Fred Mensch, U. S. Surveyor,

and

William R. Johnston, U.S. Transitman,

~~In the capacity of U. S. Surveyor~~, under instructions dated October 5, 1915,
issued by the United States Surveyor General to govern surveys included in
Group No. 62, which were approved by the Commissioner of the General Land
Office, November 3, 1915.

3157

~~Survey Commenced~~ March 6, 1916

~~Survey Completed~~ March 7, 1916

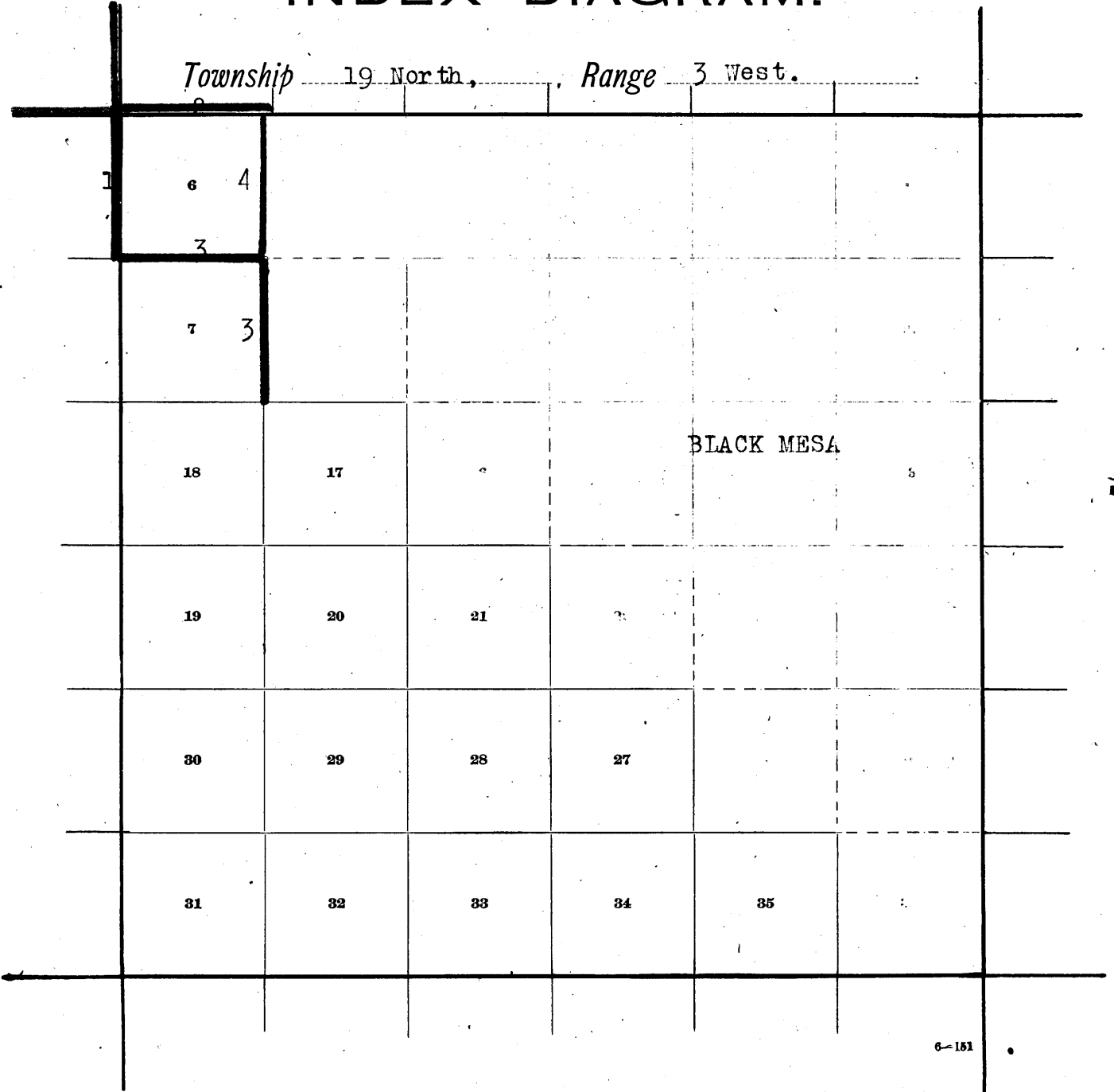
3157
Book "C"

Group 62- - - Arizona.

BOOK 3157

INDEX DIAGRAM.

Township 19 North, Range 3 West.



Resurvey of Part of W. Bdy. of T. 19 N., R. 3 W.,
 Part of S. Bdy. of T. 20 N., R. 3 W., and
 Part of Subdivisional Lines of T. 19 N., R. 3 W.; and
 Survey of Part of Subdivisional Lines of T. 19 N., R. 3 W.

Chains

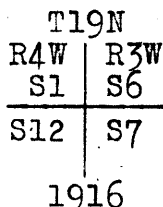
Work executed on dates shown on diagram on page 9 of this book, by Fred Mensch, U. S. Surveyor, and Wm. H. Johnston, U. S. Transitman. The instruments used are described, with record of approval by the Assistant Supervisor of Surveys, and record of field tests and method of maintaining adjustments, in Book A.

The magnetic variation is 15°30'E.

Resurvey of Part of W. Bdy., T. 19 N., R. 3 W.

I commence at the old cor. of secs. 1, 6, 7 and 12, on W. bdy. of Tp., which is a stone, marked and witnessed as described by the Surveyor General. I reestablish this cor. as follows:

With original stone, set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, with brass cap, marked

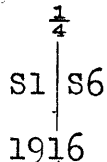


and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Thence N.0°40'W., bet. secs. 1 and 6, over nearly level land of Big Chino Valley, through scattering undergrowth.

39.77 The old ¼ sec. cor., which is a stone, marked and witnessed as described by the Surveyor General. I reestablish this cor. as follows:

With original stone, set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, with brass cap, marked



and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

 Thence N.1°24'W., bet. N. halves of secs. 1 and 6.

2.00 Wash, 60 lks. wide, 5 ft. deep, course SW.
 25.63 Asc. S. slope. Leave bottom of valley, and enter scattering timber, which bears NW. and SE.

28.10 Thence over flatter slope.

41.14 The reestablished cor. of Ts. 19 and 20 N., Rs. 3 and 4 W., described in Book A.

Land, nearly level and sloping.

Soil, 2nd rate.
 Timber, pinyon and juniper.
 Undergrowth, rabbit brush.

Resurvey of Part of S. Bdy., T. 20 N., R. 3 W.

From the reestablished cor. of Ts. 19 and 20 N., Rs. 3 and

Chains

4 W., described in Book A,

N. $8\frac{1}{2}^{\circ}22'E.$, on S. bdy. of sec. 31, over rolling land, through scattering timber and undergrowth.

29.50

Wash, 25 lks. wide, course S. $15^{\circ}W.$

42.31

The old $\frac{1}{4}$ sec. cor., which is a stone, marked and witnessed as described by the Surveyor General. I reestablish cor. as follows:

With original stone, set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, with brass cap, marked

S31
$\frac{1}{4}$
S 6
1916

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.-----
Thence N. $89^{\circ}34'E.$, on E. half of S. bdy. of sec. 31.

Asc. 100 ft., on W. end of spur.

10.10

Top of slope. Thence along S. slope.

18.00

Asc. 70 ft., on W. slope of spur sloping NW.

33.35

Thence asc. along spur.

40.35

The old cor. of secs. 5, 6, 31 and 32, which is a stone, marked and witnessed as described by the Surveyor General. Both bearing trees are dead. I reestablish this cor. as cor. of secs. 31 and 32 only, as follows:

With original stone, set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, with brass cap, marked

T20N	R3W
S31	S32

1916

from which

A pinyon, 8 ins. diam., bears N. $11\frac{1}{4}^{\circ}W.$, 65 lks. dist., marked T20N R3W S31 BT.A pinyon, 9 ins. diam., bears N. $82^{\circ}45'E.$, 39 lks. dist., marked T20N R3W S32 BT.

Land, rolling in W. and mountainous in E. half.

Soil, sandstone formation in E. part and gravelly clay in W.; 2nd to 4th rate.

Timber, Pinyon, juniper and Mexican currant.

Undergrowth, rabbit brush.

Resurvey of
Part of Subdivisional Lines, T. 19 N., R. 3 W.

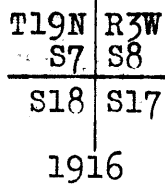
The old cor. of secs. 5, 6, 7 and 8, and the $\frac{1}{4}$ sec. cors. on the N. and E. bdrs. of sec. 7 are missing. The cor. of secs. 7, 8, 17 and 18, hereinafter described, is 80.75 chs. E. and 82.03 chs. S. of the reestablished cor. of secs. 1, 6, 7 and 12, on the W. bdy. of Tp., hereinbefore described. I reestablish the cor. of secs. 5, 6, 7 and 8 and resurvey the lines bet. secs. 7 and 8 and bet. secs. 6 and 7 in accordance with the method laid down in the letter from the Commissioner of the General Land Office to the Surveyor General of Arizona, dated Jan. 22, 1915, as follows:

I begin at the cor. of secs. 7, 8, 17 and 18, which is a post, marked and witnessed as described by the Surveyor General; which I reestablish as follows:

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, with brass cap, marked

Resurvey of Part of Subdivisional Lines T. 19 N. R. 3 W.

Chains



and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Thence N.0°31'W., bet. secs. 7 and 8, over nearly level land of Big Chino Valley, through scattering undergrowth.

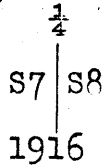
36.00

Asc. SW. slope.

40.55½

Reestablish missing ¼ sec. cor. as follows:

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, with brass cap, marked



from which

A cedar, 14 ins. diam., bears S.83°W., 102 lks. dist., marked ¼ S7 BT.

No bearing tree available in sec. 8. Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

43.30

Summit of ascent.

45.30

Enter timber, bears NW. and SE.

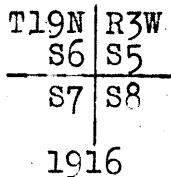
64.95

Wash, 30 lks. wide, 3 ft. deep, course SW.

81.11

Reestablish cor. of secs. 5, 6, 7 and 8 as follows:

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, with brass cap, marked



from which

A cedar, 12 ins. diam., bears N.67½°E., 26 lks. dist., marked T19N R3W S5 BT.

A pinyon, 10 ins. diam., bears S.35°E., 77 lks. dist., marked T19N R3W S8 BT.

A pinyon, 7 ins. diam., bears S.66°W., 38 lks. dist., marked T19N R3W S7 BT.

A pinyon, 6 ins. diam., bears N.36°W., 14 lks. dist., marked T19N R3W S6 BT.

Land, nearly level and rolling.

Soil, rocky loam; 3rd and 4th rate.

Timber, juniper, cedar and pinyon.

Undergrowth, scrub oak and rabbit brush.

22.25

N.89°21'W., bet. secs. 6 and 7, over rolling mesa, through timber and undergrowth.

27.30

Desc. on SW. slope.

29.53

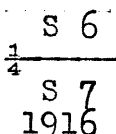
Leave timber, bears NW. and SE.

Ft. of slope. Thence across nearly level land of Big Chino Valley.

40.37

Reestablish missing ¼ sec. cor. as follows:

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, with brass cap, marked



and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

Resurvey of Part of Subdivisional Lines, T. 19 N., R. 3 W.

Chains

80.03 The reestablished cor. of secs. 1, 6, 7 and 12, hereinbefore described.

Land, rolling and nearly level.
Soil, gravelly loam; 2nd and 3rd rate.
Timber, pinyon, cedar and juniper.
Undergrowth, scrub oak, greasewood and rabbit brush.

Survey of
Line Bet. Secs. 5 and 6, T. 19 N., R. 3 W.

From the reestablished cor. of secs. 5, 6, 7 and 8, hereinbefore described;

North, bet. secs. 5 and 6,
over rolling land, through timber and undergrowth.

8.48
40.00

Draw, course SW.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked

$\frac{1}{4}$
S6 | S5
1916

from which

A pinyon, 6 ins. diam., bears N.24 $\frac{1}{2}$ °E., 29 lks. dist., marked $\frac{1}{4}$ S5 BT.

A pinyon, 7 ins. diam., bears N.36°45'W., 77 lks. dist., marked $\frac{1}{4}$ S6 BT.

46.00
52.20
67.40
87.57
88.42

Rocky wash, 50 lks. wide, course SW.

Asc. 60 ft., on S. slope.

Thence on SW. slope.

Spur, slopes W.

Intersect S. bdy. of T. 20 N., R. 3 W., 81 lks. S.89°34'W. of the reestablished cor. of secs. 31 and 32, hereinbefore described. At point of intersection

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for closing cor. of secs. 5 and 6, with brass cap, marked

T20N R3W
S31

S6 | S5
T19N R3W
C C
1916

from which

A pinyon, 8 ins. diam., bears S.10°E., 86 lks. dist., marked T19N R3W S5 BT.

A pinyon, 8 ins. diam., bears S.17°W., 45 lks. dist., marked T19N R3W S6 BT.

Land, rolling in S. and mountainous in N. half.
Soil, sandstone and clay; 2nd and 3rd rate.
Timber, pinyon, juniper and Mexican currant.
Undergrowth, rabbit brush.

Latitudes, Departures and Closing Errors, Sec. 6.

5

Line designated	True Course	Dist.	Latitudes		Departures	
			N.	S.	E.	W.
		chs.	chs.	chs.	chs.	chs.
South Boundary	N.89°21'W.	80.03	.98			80.02
West Boundary	N.0°40'W.	39.77	39.77			.46
	N.1°24'W.	41.14	41.13			1.00
North Boundary	N.81°22'E.	42.31	6.35		41.83	
	N.89°34'E.	39.54	.30		39.54	
East Boundary	South	88.42		88.42		
Convergency					.02	
Totals			88.47	88.42	81.39	81.48
			88.42			81.39
Error in latitude,			.05			
	Error in departure,					.09

General Description.

Sec. 6, T. 19 N., R. 3 W., consists partly of bottom land on the E. edge of the Big Chino Valley, and partly of rolling land rising E. of the valley.

The soil is gravelly and sandy loam; from 2nd to 4th rate. It supports a fair growth of gramma and bunch grass, suitable for grazing.

The hilly part of the section contains cedar, juniper, pinyon, Mexican currant, greasewood, scrub oak, and rabbit brush.

There are no settlers.

CERTIFICATE OF UNITED STATES SURVEYOR.

Pages 6 & 7 are blank.

I, Wm. R. Johnston, U. S. Transitman, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Group 62, Arizona, bearing date of the 5th day of October, 1915, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the subdivision lines of Township 19 North, Range 3 West, and resurveyed all those parts or portions of the South boundary of Township 20 North, Range 3 West, of the Gila and Salt River Base and Meridian, in the State of Arizona, which are represented in the foregoing field notes ^{and by the diagram on page 9 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 62, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such ^{re-}survey.

Wm. R. Johnston
 U. S. Transitman.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

_____, 191

The foregoing field notes of the survey of _____

executed by _____

under his special instructions dated _____, 191 , having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

 U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

 U. S. Surveyor General.

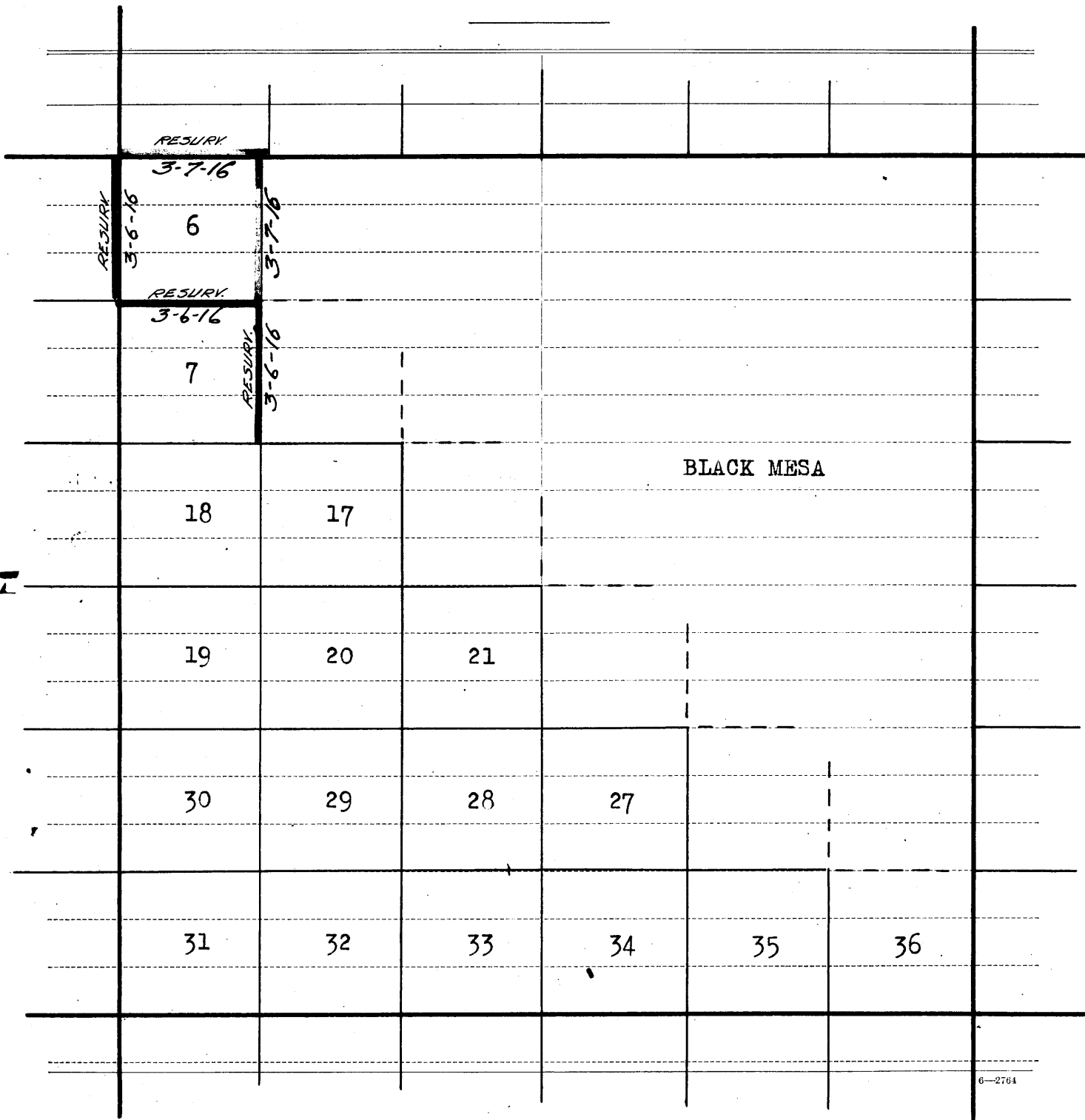
6-2764

Book "C"
 Group 62---Arizona.

4-680

Township 19 North, Range 3 West.

DATE DIAGRAM.



6-2764

Resurveys executed on dates shown in red on above diagram, by Fred Mensch, U. S. Surveyor.

Surveys and resurveys executed on dates shown in green on above diagram by Wm. R. Johnston, U. S. Transitman.

CERTIFICATE OF UNITED STATES SURVEYOR.

I, Fred Mensch, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Group 62, Arizona, bearing date of the 5th day of October, 1915, 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 West boundary and subdivision lines of Township 19 North, Range 3 West, of the Gila and Salt River Base and Meridian, in the State of Arizona, which are represented in the foregoing field notes, and by the diagram on the reverse hereof as having been executed by me, and under my direction; and that all the corners of said survey, and resurvey 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 62, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey, and resurvey

Fred Mensch

U. S. Surveyor.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, October 16, 1918.

The foregoing field notes of the survey of part of the subdivision lines of Township 19 North, Range 3 West, and the resurvey of Part of the West boundary and subdivision lines of Township 19 North, Range 3 West, and part of the South boundary of Township 20 North, Range 3 West, of the Gila and Salt River Base and Meridian, in the State of Arizona, executed by Fred Mensch, U.S. Surveyor, and Wm. R. Johnston, U.S. Transitman, under special instructions for Group 62, Arizona, dated Oct. 5, 1915, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved, and resurveys

Frank Johnston

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.