

3274

Book "O"

4-679

BOOK 3274

FIELD NOTES

OF THE SURVEY OF A

Portion of the South boundary,

Portion of Subdivision Lines, and

Meanders in,

TOWNSHIP 28 NORTH, RANGE 10 EAST,

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

Theodore O. Johnston, U. S. Surveyor,

and

Philip L. Inch, U. S. Transitman,

~~In the capacity of U. S. Surveyor~~, under instructions dated January 4, 1916, issued by the United States Surveyor General to govern surveys included in Group No. 66, which were approved by the Commissioner of the General Land Office, January 17, 1916.

Survey commenced May 18, 1916.

Survey completed June 1, 1916.

Executed under Assignment
Instructions dated Feb. 3, 1916.

3274

3274

3274

Book "0"

Group 66 - - Arizona.

INDEX DIAGRAM.

Township 28 North, Range 10 East.

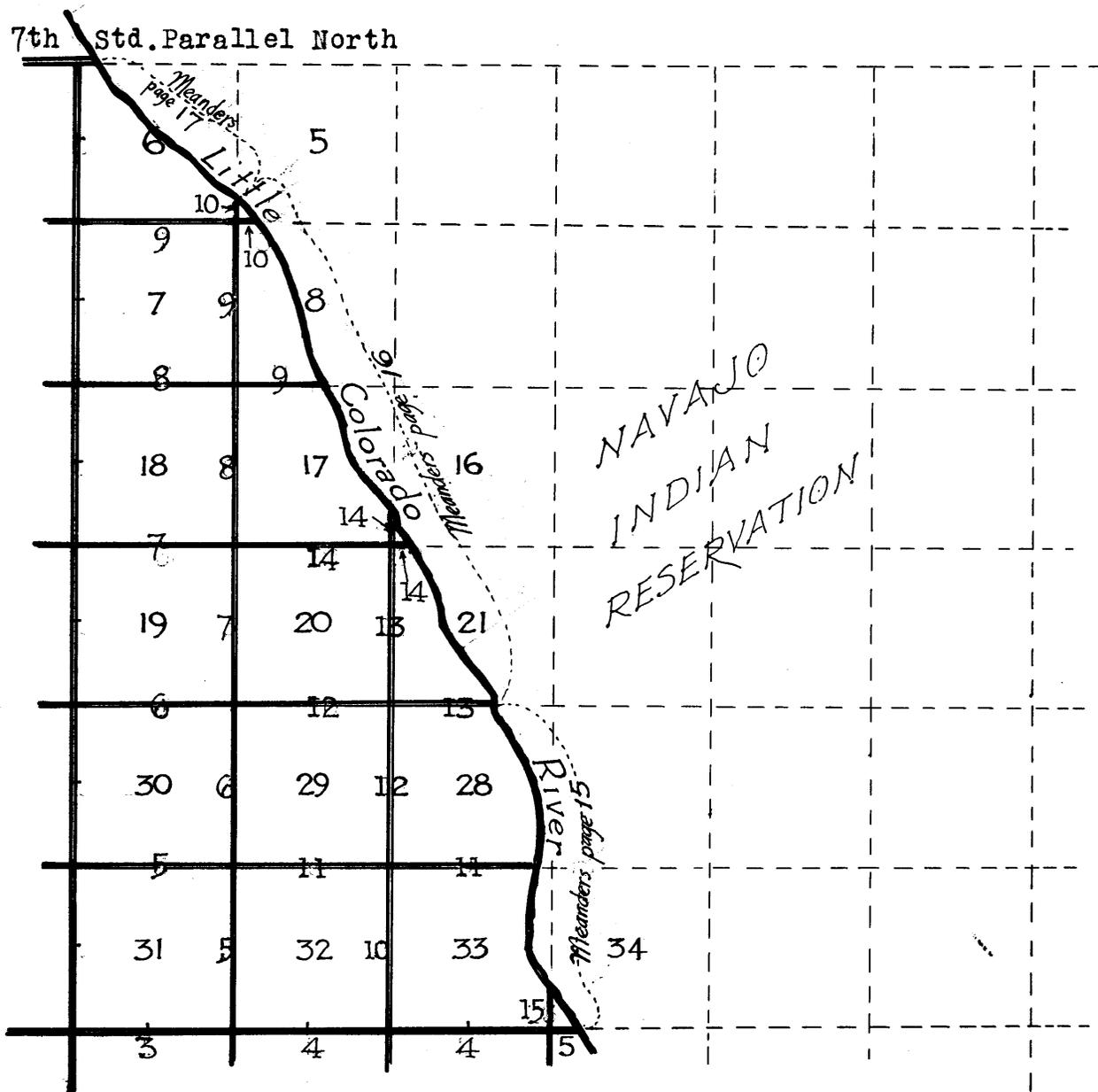
6	8	5	4	3	2	1
7		8				
7	7	8	9	10	11	12
6		7				
18	6	17	12	16	15	14
5		12	12			
19	5	20	11	21	22	23
4		10	11			
30	4	29	10	28	27	26
3		9	9			
31	3	32	8	33	13	34
1		2	2	3		
					35	36

T. 28 N., R. 10 E.

Index Diagram.

3274

BOOK 3274



———— Lines surveyed under this Group.

----- Unsurveyed.

A portion of S. Bdy. of T. 28 N., R. 10 E.
A portion of subdivision of T. 28 N., R. 10 E.
Meanders in T. 28 N., R. 10 E.

Chains

Surveys in this township were executed by Theo. O. Johnston, U. S. Surveyor, and Philip L. Inch, U. S. Transitman.

Dates of survey shown on diagram on page 18 hereof.

The instruments used are described, with a record of approval by the Assistant Supervisor of Surveys, District No. 5, and field tests, in book "A".

All lines were originated by deflections from a meridian determined by Theo. O. Johnston, by observations on Polaris at elongation, a record of which follows herein; and were projected with transits by back and fore sights and carefully measured angles.

From recent and repeated tests, I know that the adjustments of the transit are satisfactory and I therefore observe Polaris as follows:

May 27, 1916, at camp in sec. 3, T. 27 N., R. 10 E., in lat. 35° 45' N., long. 111° 19' 12" W., at 3h. 15m., a.m., l.m.t., I observe Polaris, at eastern elongation in accordance with instructions in the manual of surveying, and mark a point in the line thus determined by a tack driven in a wooden stake firmly set in the ground, 5 chs. N. of instrument.

At 7h., Om., a.m., l.m.t., I turn off the azimuth of Polaris, 1° 24' to the W., and mark the meridian thus determined by a tack driven in a wooden stake firmly set in the ground W. of the point previously established.

SURVEY OF A PORTION OF THE S. BDY. OF T. 28 N., R. 10 E.

From the cor. of Ts. 27 and 28 N., Rs. 9 and 10 E., described in book "E",
East on a true line bet. secs. 6 and 31.
Over rolling land.

31.50
40.00

Road brs. NW. and SE.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., mkd. on brass cap

1/4 S 31
S 76
1916

47.50
57.60
60.00
70.00
72.10
75.00
76.50
80.00

dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of cor.

Wash, course SE. Asc. gradual slope to
Spur slopes SE. Desc. 15 ft. to
Foot of descent.
Asc. 15 ft. to
Sput slopes S. Desc. 20 ft. to
Asc. 27 ft. to
Spur slopes S. Desc. 36 ft. to
Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of secs. 5, 6, 31 and 32, mkd. on brass cap

T28N R10E
S31 | S32
S 6 | S 5
T27N
1916

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.
Land, rolling.
Soil, sandy and rocky, 4th rate.
No timber.

Chains

East bet. secs. 5 and 32.

Over rolling land.

8.00 Desc. 16 ft. to

10.00 Asc. 16 ft. to

11.00 Desc. 64 ft. to

20.00 Foot of desc.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$\frac{1}{4}$ S 32
S 5
1916

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

49.40 Wash, course S.

Thence over rolling land to

80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of secs. 4, 5, and 32, and fracl. sec. 33, marked on brass cap,

T28N R10E
S32 | S33
S 5 | S 4
T27N
1916

dig pits, 18 X 18 X 12 ins., in each sec., $5\frac{1}{2}$ ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Land, rolling.

Soil, rocky and sandy, 4th rate.

No timber.

East bet. ~~sec. 4~~ and fracl. sec. 33.

Over rolling land.

3.50 Wash, course NE.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$\frac{1}{4}$ S 33
S 4
1916

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

49.00 Wash, course NE.

70.00 Desc. E. slope, 40 ft. to river bottom.

80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of ~~secs. 4, and fracl. secs. 33, 33~~ and 34, marked on brass cap,

T28N R10E
S33 | S34
S 4 | S 3
T27N
1916

dig pits, 18 X 18 X 12 ins., in each sec., $5\frac{1}{2}$ ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Land, rolling.

Soil, rocky and sandy, 4th rate.

No timber.

A portion of S. bdy. of T. 28 N., R. 10 E.

Chains

12.40 East bet. fracl. secs. 33 and 34.
 Over river bottom, through scattering timber.
 The left bank of Little Colorado river, brs. NW. and SE, the
 course of river, N.Y. At point of intersection,
 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the
 ground, for meander cor. of fracl. secs. 33 and 34, S. 27
 and 28 N. Rs. 10 E., marked on brass cap,

T28N
 S33 | MC
 S34 |
 T27N
 1916

from which,
 A cottonwood, 18 ins. diam., brs. N. $46\frac{1}{2}^\circ$ W.
 380 lks. dist. mkd. T 28 N R 10 E S 34 M C B T
 A cottonwood, 30 ins. diam., brs. S. $30\frac{1}{2}^\circ$ W.
 535 lks. dist. mkd. T 27 N R 10 E S 3 M C B T.
 Also dig^a pits 36 X 36 X 12 ins., 8 ft. W. of post, and
 raise a mound of earth, 4 ft. base, 2 ft. high, W. of
 cor.
 Land, river bottom.
 Soil, sandy, 3rd and 4th rates.
 Timber, scattering cottonwood.

SUBDIVISION OF PORTION OF T. 28 N., R. 10 E.

9.00 From the cor. of secs. 5, 6, 31 and 32, on S. bdy. of Tp.,
 31.00 hereinbefore described,
 40.00 N. $0^\circ 1'$ E. bet. secs. 31 and 32.
 Over rolling land.
 Wash, course SE.
 Wash, course SE.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

S31 | S32
 1916

65.00 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 75.00 W. of cor.
 80.00 Wash, course E.
 Wash, course SE.
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
 the ground, for cor. of secs. 29, 30, 31 and 32, mkd.
 on brass cap

T28N R10E
 S30 | S29
 S31 | S32
 1916

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.
 Land, rolling
 Soil, untillable, rocky clay, 4th rate.
 No timber.

40.00 West on a random line bet. secs. 30 and 31.
 80.28 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect W. bdy. of Tp., 8 lks. S. of cor. of secs.
 25, 30, 31 and 36, described in book "N".
 Thence

Chains

S. 89° 57' E. on a true line bet. secs. 30 and 31.
Over rolling land.

15.30
40.14

Wash, course SE.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$\frac{1}{4}$ S 30
S 31
1916

dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft.
dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.
high, N. of cor.

65.30
70.30
80.28

Wash, course SE.
Wash, course SE.
The cor. of secs. 29, 30, 31 and 32.
Land, rolling.
Soil, untillable, rocky clay, 4th rate.
No timber.

N. 0° 1' E. bet. secs. 29 and 30.
Over rough broken land.

40.00

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$\frac{1}{4}$
S30 | S29
1916

dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft.
dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.
high, W. of cor.

44.00
62.00
70.00
80.00

Wash, course NE.
Wash, course NE. Asc. 57 ft. to
Desc. 60 ft. to
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
ground, for cor. of secs. 19, 20, 29 and 30, mkd. on
brass cap

T28N R10E
S19 | S20
S30 | S29
1916

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

Land, rolling and rough.
Soil, untillable, rocky clay, 4th rate.
No timber.

West on a random line bet. secs. 19 and 30.

40.00
80.20

Set temp. $\frac{1}{4}$ sec. cor.
Intersect W. bdy. of Tp., 14 lks. S. of cor. of secs.
19, 24, 25 and 30, described in book "N".

Thence
S. 89° 54' E. on a true line bet. secs. 19 and 30.
Over rolling broken land.

2.00
9.00
10.00
15.00
26.00
35.00

Desc. 24 ft. to
Wash, course NE.
Asc. 63 ft. to
Top of red sandstone cliff.
Wash, course N.
Wash, course NW.

Subdivision of a portion of T. 28 N., R. 10 E.

Chains
40.10

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$\frac{1}{4}$ S 19
S 30
1916

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

45.00
59.00
80.20

Wash, course NW.
Wash, course NW.
The cor. of secs. 19, 20, 29 and 30.
Land, rolling and rough.
Soil, untillable, rocky clay, 4th rate.
No timber.

40.00

N. 0° 1' E. bet. secs. 19 and 20.
Over rolling land.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$\frac{1}{4}$
S19 | S20
1916

dig pits, 18 X 18 X 12 ins., N. and S. of cor., 3 ft. dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

45.00
50.00
55.00
64.00
70.00
80.00

Wash, course NE.
Wash, course NE.
Wash, course E.
Wash, course NE.
Wash, course NE.
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 18, 19, and 20, and fract. sec. 17, marked on brass cap,

T28N R10E
S18 | S17
S19 | S20
1916

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

Land, rolling and rough.
Soil, untillable, rocky clay, 4th rate.
No timber.

40.00
80.38

West on a random line bet. secs. 18 and 19.
Set temp. $\frac{1}{4}$ sec. cor.,
Intersect W. bdy. of Tp., 16 lks. S. of cor. of secs. 13, 18, 19 and 24, described in book "N".

Thence
S. 89° 53' E. on a true line bet. secs. 18 and 19.
Over rolling land.

22.40
27.40
40.19

Wash, course NE.
Wash, course NW.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$\frac{1}{4}$ S 18
S 19
1916

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

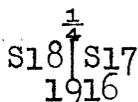
8

Subdivision of portion of T. 28 N., R. 10 E.

Chains

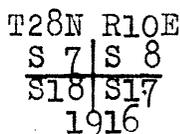
59.40 Wash, course NW.
 69.40 Wash, course NE.
 77.40 Wash, course NE.
 80.38 The cor. of secs. 18, 19, and 20, and frac. sec. 17.
 Land, rolling and rough.
 Soil, untillable, rocky clay, 4th rate.
 No timber.

40.00 N. 0° 1' E. bet. sec. 18, and frac. sec. 17.
 Over rough rolling land.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap



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

47.00 Wash, course NW.
 54.00 Wash, course NE.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 7 and 18, and frac. secs. 8 and
 17, marked on brass cap,



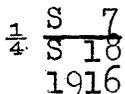
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.

Land, rough and rolling.
 Soil, untillable, rocky clay, 4th rate.
 No timber.

40.00 West on a random line bet. secs. 7 and 18.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.30 Intersect W. bdy. of Tp., 24 lks. S. of cor. of secs. 7,
 12, 13 and 18, described in book "N".

Thence
 S. 89° 50' E. on a true line bet. secs. 7 and 18.
 Over rolling land.

Asc. 23 ft. to
 5.00 Desc. 50 ft. to
 15.00 Over rolling land to
 19.00 Wash, course SE.
 24.00 Wash, course NE.
 40.15 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in a
 mound of stone, for $\frac{1}{4}$ sec. cor., mkd. on brass cap



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

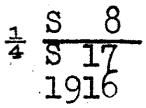
69.00 Wash, course NE.
 75.00 Wash, course NE.
 80.00 Wash, course NE.
 80.30 The cor. of secs. 7 and 18, and frac. secs. 8 and 17.
 Land, rolling and rough.
 Soil, untillable, rocky clay, 4th rate.
 No timber.

Subdivision of portion of T. 28 N. R. 10 E.

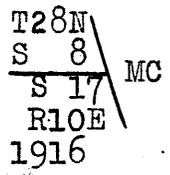
9

Chains

East on a true line bet. fracl. secs. 8 and 17.
 Over rolling land.
 31.00 Wash, course NE.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

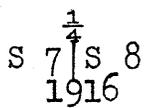


dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft.
 dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.
 high, N. of cor.
 44.30 The left bank of the Little Colorado river, bet. NW. and SE.,
 course of river, NW. At point of intersection,
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
 the ground, for meander cor. of fracl. secs. 8 and
 17, mkd. on brass cap

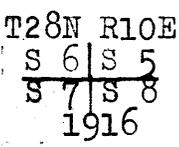


dig a pit, 36 X 36 X 12 ins., 8 ft. W. of post, and
 raise a mound of earth, 4 ft. base, 2 ft. high, W. of
 cor.
 Land, rolling.
 Soil, untillable, rocky clay, 4th rate.
 No timber.

From cor. of sec. 7 and 18, and fracl. secs. 8 and 17,
 N. $0^{\circ} 1'$ E. bet. sec. 7, and fracl. sec. 8.
 Over rolling land.
 20.00 Wash, course E.
 29.00 Wash, course E.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap



and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.
 69.00 Wash, course NE.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in a
 mound of stone, for cor. of sec. 7, and fracl. secs. 5, 6,
 and 8, marked on brass cap,



and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.
 Land, rolling.
 Soil, untillable, rocky clay, 4th rate.
 No timber.

West on a random line bet. sec. 7, and fracl. sec. 6.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.30 Intersect W. bdy. of Tp. 20 lks. S. of cor. of secs.
 1, 7 and 12, and fracl. sec. 6, described in Book "N,"

Chains

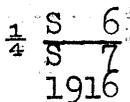
Thence
S. 89° 51' E. on a true line bet. sec. 7, and fracl. sec. 6.
Over rolling land.

30.30

Small butte.

40.15

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.

56.30

Wash, course NE,

80.30

The cor. of sec. 7, and fracl. sec. 5, 6, and 8.

Land, rolling.

Soil, untillable, rocky clay, 4th rate.

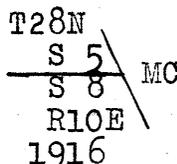
No timber.

East on a true line bet. fracl. secs. 5 and 8.
Over rolling land.

8.20

The left bank of the Little Colorado river, hrs. NW, and SSE, course of river, NW. At point of intersection,

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for meander cor. of fracl. secs. 5 and 8, mkd. on brass cap



dig a pit, 36 X 36 X 12 ins., 8 ft. W. of post, and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Land, sandy river beach.

Soil, sandy 4th rate.

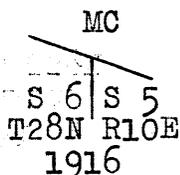
No timber.

From cor. of secs. 7, and fracl. secs. 5, 6 and 8.
N. 0° 1' E. on a true line bet. fracl. secs. 5 and 6.

9.27

Over river beach,
The left bank of the Little Colorado river, hrs. NW, and SSE, course of river NW. At point of intersection,

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for meander cor. of fracl. secs. 5 and 6, mkd. on brass cap



dig a pit, 36 X 36 X 12 ins., 8 ft. S. of post, and raise a mound of earth, 4 ft. base, 2 ft. high, S. of cor.

Land, river beach.

Soil, sandy 4th rate.

No timber.

From the cor. of secs. 7, 4, 5, 32 and fracl. sec. 33 on S bdy. of Tp. hereinbefore described,

N. 0° 1' E. bet. sec. 32, and fracl. sec. 33.

Subdivision of portion of T. 28 N. R. 10 E. 11

Chains
 19.00 Over rolling broken land.
 27.00 Wash, course NE.
 30.00 Wash, course NE.
 40.00 Wash, course NE.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$\frac{1}{4}$
 S32 | S33
 1916

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

45.00 Wash, course E.
 61.00 Wash, course NE.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 29 and 32, and fracl. secs. 28 and 33, marked on brass cap,

T28N R10E
 S29 | S28
 S32 | S33
 1916

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Land, rough and rolling.
 Soil, untillable, rocky, eth rate.
 No timber.

40.00 West on a random line bet. secs. 29 and 32
 80.06 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line, 10 lks. N. of cor. of secs. 29, 30, 31 and 32.
 Thence
 N. 89° 56' E. on a true line bet. secs. 29 and 32.
 Over rolling land.

12.00 Wash, course SE.
 16.00 Wash, course SE.
 30.00 Wash, course S.
 40.03 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$\frac{1}{4}$ S 29
 S 32
 1916

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

80.06 The cor. of secs. 29 and 32, and fracl. secs. 28 and 33.
 Land, rolling.
 Soil, untillable, rocky clay, 4th rate.
 No timber.

35.00 East on a true line bet. fracl. secs. 28 and 33.
 40.00 Over rolling land.
 Wash, course SE.
 Set an iron post, 3 ft. long, lin. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$\frac{1}{4}$ S 28
 S 33
 1916

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

12 10

Subdivision of portion of T. 28 N., R. 10 E.

Chains
73.20

The left bank of Little Colorado river, brs. NW. and SE., course of river, NW. At point of intersection, Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for meander cor. of fracl. secs. 28 and 33, mkd. on brass cap

T28N
S 28
S 33 MC
R10E
1916

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Land, rough and rolling.
Soil, untillable, rocky clay, 4th rate.
No timber.

From cor. of secs. 29 and 32, and fracl. secs. 28 and 33, N. 0° 1' E. bet. sec. 29, and fracl. sec. 28.

Over rolling land.

4.00
10.00
16.00
32.00
40.00

Wash, course E.
Wash, course SE.
Wash, course E.
Wash, course E.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in a mound of stone, for 1/4 sec. cor., mkd. on brass cap

1/4
S29 | S28
1916

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

69.00
80.00

Wash, course NE.
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in a mound of stone, for cor. of secs. 20, and 29, and fracl. secs. 21 and 28, marked on brass cap.

T28N R10E
S20 | S21
S29 | S28
1916

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Land, rolling.
Soil, untillable, rocky clay, 4th rate.
No timber.

West on a random line bet. secs. 20 and 29.

40.00
80.28

Set temp. 1/4 sec. cor.
Intersect N. and S. line, 4 lks. N. of cor. of secs. 19, 20, 29 and 30.

Thence N. 89° 58' E. on a true line bet. secs. 20 and 29.

Over rolling land.

24.30
40.14

Wash, course SE.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., mkd. on brass cap

1/4 S 20
S 29
1916

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.

Subdivision of portion of T. 28 N., R. 10 E.

Chains

68.30 Wash, course NE.
 80.28 The cor. of secs. 20, and 29, and fracl. secs. 21 and 28.
 Land, rolling.
 Soil, untillable, rocky clay, 4th rate.
 No timber.

40.00 East on a true line bet. frack. secs. 21 and 28.
 Over rolling land.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$\frac{1}{4}$ S 21
 S 28
 1916

52.50 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
 The left bank of the Little Colorado river, bet. NW. and SE. course of river, NW. At point of intersection, Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for meander cor. of fracl. secs. 21 and 28, mkd. on brass cap

T28N
 S21
 S28 MC
 R10E
 1916

dig a pit, 36 X 36 X 12 ins., 8 ft. W. of post, and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
 Land, rolling.
 Soil, rocky and sandy clay, 4th rate.
 No timber.

6.00 From cor. of secs. 20 and 29, and fracl. secs. 21 and 28.
 32.00 N. 0° 1' E. bet. sec. 20, and fracl. sec. 21.
 40.00 Over rolling land.
 Wash, course E.
 Wash, course SE.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$\frac{1}{4}$
 S20 | S21
 1916

60.00 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
 80.00 Wash, course E.
 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of sec. 20, and fracl. secs. 16, 17, and 21, marked on brass cap.

T28N R10E
 S17 | S16
 S20 | S21
 1916

dig pits, 18 X 18 X 12 ins., in each sec., 5 $\frac{1}{2}$ ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
 Land, rolling.
 Soil, untillable, rocky clay, 4th rate.
 No timber.

1412 Subdivision of portion of T. 28 N., R. 10 E.

Chains

40.00 West on a random line, bet, secs. 20, and $\frac{1}{2}$ sec. 17.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.32 Intersect N. and S. line, 20 lks. N. of cor. of secs. 18, 19, and 20, and $\frac{1}{2}$ sec. 17.
 Thence
 N. 89° 51' E. on a true line bet, sec. 20, and $\frac{1}{2}$ sec. 17.
 Over rolling land.
 11.30 Wash, course NE.
 34.30 Wash, course NE.
 37.30 Wash, course NE.
 40.16 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$\frac{1}{4}$ S17
 $\frac{1}{4}$ S 20
 1916

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
 65.30 Wash, course NE.
 80.32 The cor. of sec. 20, and $\frac{1}{2}$ sec. 16, 17, and 21.
 Land, rolling.
 Soil, untillable, rocky clay, 4th rate.
 No timber.

5.45 East on a true line bet. $\frac{1}{2}$ sec. 16 and 21.
 Over low sandy beach land.
 The left bank of the Little Colorado river, brs. NW. and SE, course of river, NW. At point of intersection, Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for meander cor. of $\frac{1}{2}$ sec. 16 and 21, mkd. on brass cap

T28N
 S16 / MC
 S21
 R10E
 1916

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
 Land, sandy beach.
 Soil, sandy 4th rate.
 No timber.

8.57 From cor. of sec. 20, and $\frac{1}{2}$ sec. 16, 17, and 21, N. 0° 1' E. on a true line bet. $\frac{1}{2}$ sec. 16 and 17.
 Over low sandy land.
 The left bank of the Little Colorado river, brs. NW., and SE, course of river, NW. At point of intersection, Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for meander cor. of $\frac{1}{2}$ sec. 16 and 17, mkd. on brass cap

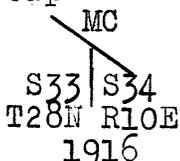
MC
 S17 | S16
 T28N R10E
 1916

dig a pit, 36 X 36 X 12 ins., 8 ft. S. of post, and raise a mound of earth, 4 ft. base, 2 ft. high, S. of cor.
 Land, low sandy beach.
 Soil, sandy, 4th rate.
 No timber.

Chains

From the cor. of secs. 43 and 33, and fracl. secs. 3 and 34, on S. bdy. of Tp. hereinbefore described, N. 0° 2' E. bet. fracl. secs. 33 and 34.

17.80 Over rolling land. The left bank of Little Colorado River, brs. NW. and SE., course of river, NW. At point of intersection, Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for meander cor. of fracl. secs. 33 and 34, mkd. on brass cap



dig a pit, 36 X 36 X 12 ins., 8 ft. S. of post, and raise a mound of earth, 4 ft. base, 2 ft. high, S. of cor.

Land, rolling. Soil, untillable, rocky clay, 4th rate. No timber.

MEANDERS IN T. 28 N., R. 10 E.

Meanders of Left Bank of Little Colorado River, down stream.

From the meander cor. of fracl. secs. 3 and 34, on S. bdy. of Tp. hereinbefore described, Thence with meanders in ^{fracl} sec. 34.

Over sandy beach. N. 35° W. 21.69 chs. Along sandy river beach. To the meander cor. of fracl. secs. 33 and 34, hereinbefore described.

Land, sandy beach. Soil, sand and clay, 4th rate. No timber.

Thence in fracl. sec. 33.

Over level beach. N. 32½° W. 15.70 chs. Along sandy river beach. North 34.40 " " N. 1° W. 5.90 " " N. 10½° E. 7.00 " To edge of overhanging rocks. N. 10½° E. 1.80 " To the meander cor. of fracl. secs. 28 and 33, hereinbefore described.

Land, sandy beach. Soil, sand and clay, 4th rate. No timber.

Thence in fracl. sec. 28.

Over sandy beach land. N. 19½° E. 5.90 chs. N. 5° E. 15.80 " " N. 4¾° W. 16.90 " " N. 11¼° W. 12.10 " " N. 21½° W. 12.40 " " N. 39½° W. 24.20 " To the meander cor. of fracl. secs. 21 and 28, hereinbefore described.

Land, sandy river beach. Soil, sandy, 4th rate. No timber.

Meanders of Left Bank of Little Colorado River, down stream.
Thence in ~~fracl.~~ ~~sec.~~ 21.

Over sandy river beach.

- N. $4\frac{1}{4}^{\circ}$ E. 3.20 chs.
- N. 35° W. 28.10 "
- N. 43° W. 19.60 "
- N. $7\frac{3}{4}^{\circ}$ W. 7.40 "
- N. $15\frac{1}{4}^{\circ}$ W. 9.80 "
- N. $32\frac{1}{2}^{\circ}$ W. 20.00 "
- N. $36\frac{1}{4}^{\circ}$ W. 7.40 "

To the meander cor. of fracl. secs.
16 and 21, hereinafore described.

Land, river beach.
Soil, sandy, 4th rate.
No timber.

Thence in ~~fracl.~~ ~~sec.~~ 16.

Over sandy beach land.

- N. $32\frac{1}{2}^{\circ}$ W. 10.14 chs.

To the meander cor. of fracl. secs.
16 and 17, hereinafore described.

Land, level beach.
Soil, sandy, 4th rate.
No timber.

Thence in ~~fracl.~~ ~~sec.~~ 17.

Over level sandy beach land.

- N. 6° W. 4.80 chs.
- N. $29\frac{1}{4}^{\circ}$ W. 26.30 "
- N. 14° W. 12.40 "
- N. $24\frac{3}{4}^{\circ}$ W. 12.00 "
- N. 36° W. 25.50 "

To the meander cor. of fracl. secs.
8 and 17, hereinafore described.

Land, level river beach.
Soil, sandy, 4th rate.
No timber.

Thence in ~~fracl.~~ ~~sec.~~ 8.

Over level sandy river beach.

- N. 15° W. 2.80 chs.
- N. 12° W. 7.60 "
- N. $15\frac{1}{4}^{\circ}$ W. 34.10 "
- N. $35\frac{1}{2}^{\circ}$ W. 10.40 "
- N. 27° W. 21.10 "
- N. $50\frac{1}{2}^{\circ}$ W. 4.90 "
- N. $39\frac{1}{4}^{\circ}$ W. 8.70 "

To the meander cor. of fracl. secs.
5 and 8.

Land, river beach.
Soil, sandy, 4th rate.
No timber.

Thence in ~~fracl.~~ ~~sec.~~ 5.

Over level sandy beach.

- N. $41\frac{1}{2}^{\circ}$ W. 12.40 chs.

To the meander cor. of fracl. secs.
5 and 6.

Land, river beach.
Soil, sandy, 4th rate.
No timber.

Meanders in Township 28 North, Range 10 East. 17.

Meanders of Left bank of Little Colorado river, down stream.
 Thence in frac1.sec.6.
 Over sandy river shore:
 N.44 $\frac{1}{4}$ °W.25.46 chs.
 N.52°W., 13.80 chs.
 N.49°W., 19.60 chs.
 N.42 $\frac{1}{2}$ °W., 34.10 chs.
 N.47 $\frac{1}{4}$ ° W., 12.00 chs. To the standard meander cor.of frac1.sec.36, T.29 N.,R.9 E., on 7th.Standard Par.N., described in Book "M."

Land, river beach.
 Soil,sandy, 4th rate.
 No timber.

GENERAL DESCRIPTION.

This township situated in the north central part of the State of Arizona, has a rolling surface. The Little Colorado river, course northwesterly, entering at the middle of the South bdy., and leaving the Tp. near the NW. cor., contains the only permanent running water, and drains the entire township by means of dry washes. The portion of the township east of the river is within the Navajo Indian Reservation, and is unsurveyed at the present time.

The soil of the entire township is rocky clay or rocky and sandy, 4th rate, except along the river, where it is sandy, 3rd and 4th rate.

There is no timber, or undergrowth, and lack of any growth of grass makes the land unfit for grazing purposes. No settlers or improvements were observed. There is no evidence of the existence of valuable minerals.

One road thru the township, near the southwest cor. is the only road observed in the surveyed portion of the township.

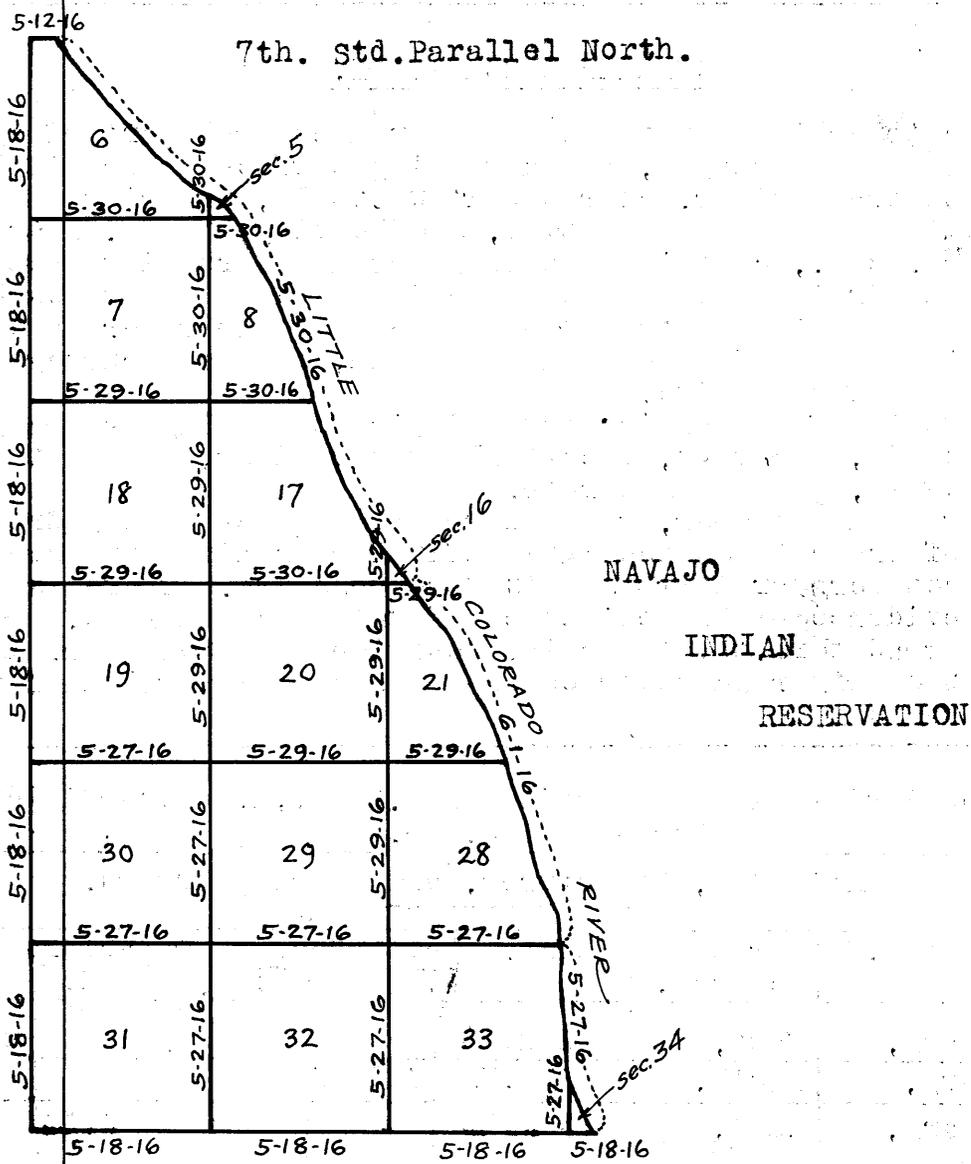
Boundaries of that Portion of T.28 N.,R.9 E.subdivided under Group No. 66.

Latitudes, Departures, and Closing Errors.

Line designated.	True course.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
South boundary,	West,	252.40				252.40
West boundary,	North,	481.74	481.74			
North boundary, (7th.Std.Par.N.)	East,	4.54			4.54	
Meanders left bank Little Colo.river, Convergency,	Various,	Various		482.43	253.77	5.19
					.17	
	Totals,		481.74	482.43	258.48	257.59
				481.74	257.59	
	Error in latitude,			0.69		
	Error in departure,				0.89	

T. 28 N., R. 10 E.

DATE DIAGRAM.



Lines run by Surveyor Johnston, on dates shown above.

Lines run by Transitman Inch on dates shown above.

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BOOK 3274

TRANSITMAN.

CERTIFICATE OF UNITED STATES SURVEYOR.

JAN 21 1918

20

I, Philip L. Inch, U.S. Transitman, U.S. Surveyor, hereby certify upon honor that, in pursuance

of special instructions received from the U. S. Surveyor General for Group 66, Arizona,

bearing date of the 4th day of January, 1916, I have well, faithfully, and truly

in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instruc- tions, and the laws of the United States, surveyed all those parts or portions of the

Subdivision lines, and

Meanders of the left bank of the Little Colorado River within

TOWNSHIP 28 NORTH, RANGE 10 EAST

of the Gila and Salt

River Base & Meridian, in the State of Arizona, which are represented in and by diagram on page 18 hereof

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 Instruc-

tions, and the special written instructions of the U. S. Surveyor General for Group 66, Arizona,

and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Philip L. Inch U.S. Surveyor

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.

200
BOOK 3274
22

CERTIFICATE OF UNITED STATES SURVEYOR.

I, Theodore O. Johnston, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Group 66, Arizona, bearing date of the 4th day of January, 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, surveyed all those parts or portions of the

South Boundary of

TOWNSHIP 28 NORTH, RANGE 10 EAST,

of the Gila and Salt

River Base and Meridian, in the State of Arizona, which, are represented in and by diagram on page 18 hereof 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 U. S. Surveyor General for Group 66, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Theodore O. Johnston
U. S. Surveyor.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Ariz., FEB 8, 1919

The foregoing field notes of the survey of a

Portion of the South Boundary, and a

Portion of the Subdivision lines, and the

Meanders of the left bank of the Little Colorado River within

TOWNSHIP 28 NORTH, RANGE 10 EAST,

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

executed by Theodore O. Johnston, U.S.S. and Philip L. Inch, U.S.S.

under his special instructions dated Jan. 4, 1916, for Gp. 66, Ariz., having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank P. Trotter
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.~~