

3272

Book "M"

4-679

109
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BOOK 3272

FIELD NOTES

RE-
OF THE SURVEY OF THE

2nd Guide Meridian East, thru part of Township 29 North,

Portion of the 2nd and 3rd ~~and~~ SURVEY of, thru, Township 29 North,

7th Standard Parallel North, thru part of Range 9 East, and

Portion of the Subdivision lines of Township 29 North, Range 9 East,

and the

Meanders of the left bank of the Little Colorado River within

TOWNSHIP 29 NORTH, RANGE 9 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 _____, 191____,

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.

Resurvey & Survey commenced May 12, 1916.

Resurvey & Survey completed " 17, 1916.

Executed under Assignment
Instructions dated Feb. 3, 1916.

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Book "M"
Group 66 - - - Arizona.

INDEX DIAGRAM.

Township 29 North, Range 9 East.

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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 24 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 deflection from a meridian determined by Theo. O. Johnston, by observation on Polaris at elongation, a record of which follows herein, and were projected with transits by back and fore sights and carefully measured angles.

Having satisfied myself that the adjustments of the transit are correct, observe Polaris as follows:

May 12, 1916, at camp in sec. 28, T. 29 N., R. 9 E., in lat. 35° 52' N., long. 111° 26' 20" W., at 4h. 13m., a.m., l.m.t., 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. 0m., a.m., l.m.t., 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.

RESURVEY OF THE 2ND GUIDE MERIDIAN EAST, THRU. PART OF TOWNSHIP 29 NORTH.

From original 1/4 sec. cor. of sec. 13, and frac. sec. 18, on W. bdy. of Tp. 29 N., R. 9 E., which is a limestone, properly set, marked and witnessed as described by the surveyor general,

North, bet. sec. 13, and frac. sec. 18 (north half) on bdy. of Navajo Indian Reservation.

Over rolling and mountainous land.

3.34 Witness point, which is a limestone, properly set, marked and witnessed as described by the surveyor general. The 2nd. Guide Meridian East, between this witness point, and cor. of Ts. 29 and 30 N., Rs. 8 and 9 E., was originally measured by triangulation, and no intermediate corners set; therefore, the following described corners are original ones.

Descend 170 ft. to

15.00 Wash, course E. Ascend 114 ft. to

26.50 Descend N. slope, 426 ft. to

40.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of sec. 13, and frac. secs. 7, 12, and 18, marked on brass cap,

T29N
R8E | R9 E
S12 | S 7
S13 | S18
1916

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

Land, rolling and mountainous.

Soil, untillable, rocky clay, 4th rate.

No timber.

North, bet. frac. secs. 7 and 12 on bdy. of Navajo Indian Reservation.

Over rolling land.

35.00 Descend 106 ft. to river beach.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in a mound of stone, for 1/4 sec. cor., marked on brass cap,

4. Resurvey of portion of 2nd. Guide Mer. E., thru. T. 29 E.

Chains

SI2 S 7
1916

- and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
- 41.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for meander cor. of fracl. secs. 7 and 12, marked on brass cap,

MC
R8E R9E
SI2 S 7
T29N
1916

- and raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.
- Land, rolling.
- Soil, untillable, rocky clay, 4th rate.
- No timber.

Survey of 7th. Standard Par. N., thru. part of R. 9 E.

From a point 4 lks. S. of the standard cor. of Ts. 29 N., Rs. 8 and 9 E., which is a stone firmly set, marked and witnessed as described by the surveyor general, N. 89° 58' E., on a secant, S. of sec. 31.

- Over rolling land.
- 13.00 Road brs. NE. and SW.
- 25.00 Wash, course S. Ascend S. slope, 99 ft. to
- 35.00 Thence descend over gently rolling slope.
- 40.00 North 2 lks. from the secant,
- Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for standard ¼ sec. cor., marked on brass cap,

S C
S 31
1916

- and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
- 50.00 Wash, course S.
- 75.00 Wash, course NE.
- 79.90 Same wash, course S. 70° E.
- 80.00 True point for standard cor. of secs. 31 and 32, falls in wash; therefore at
- 81.60 Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for witness cor. to standard cor. of secs. 31 and 32, marked on brass cap,

S C
T29N R 9E
WC S31 S32
1916

- and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
- Land, rolling.
- Soil, sandy and rocky, 4th rate.
- No timber.

Chains

N. 89° 59' E. on a secant, through sec. 32.
 Over rolling land.
 14.00 Wash, course S.
 35.00 Wash, course NE.
 40.00 1 lk. S. from the secant
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for standard $\frac{1}{4}$ sec. cor., mkd. on brass cap

S C
 $\frac{1}{4}$ S 32

1916

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

45.00 Enter wash, 2 chs. wide, course E. from NW.
 60.00 Leave wash, course NE. from W.
 64.80 Asc. cliff. 40 ft. high brs. N. and S.
 80.00 2 lks. S. from the secant
 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in
 the ground, for standard cor. of secs. 32 and 33, mkd.
 on brass cap

S C
 T29N R 9E
 S32|S33

1916

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

Land, rolling.
 Soil, rocky and sandy, 4th rate.
 No timber.

N. 89° 59' E. on a secant through sec. 33.
 Over rolling and hilly land.
 2.00 Road brs. NE. and SW.
 5.00 Asc. NW. slope, 39 ft. to
 15.00 Ridge brs. NE. and SW. Desc. SE. slope, 25 ft. to
 25.00 Over rolling land to
 40.00 3 lks. S. from the secant
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
 the ground, for standard $\frac{1}{4}$ sec. cor., mkd. on brass
 cap

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

1916

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

55.00 Wash, course, NE.
 80.00 3 lks. S. from the secant
 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in
 the ground, for standard cor. of secs. 33 and 34, mkd.
 on brass cap

S C
 T29N R9 E
 S33|S34

1916

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

6

7th Standard Parallel N. through part of R. 9 E.

Chains

Land, rolling and hilly.
Soil, sandy and rocky, 4th rate.
No timber.

13.90
20.00
40.00

East on a secant through sec. 34.
Over rolling land.
Tuba City road brs. N. and S.
Road brs. NW. and SE.
3 lks. S. from the secant
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
the ground, for standard $\frac{1}{4}$ sec. cor., mkd. on brass
cap

SC
 $\frac{1}{4}$ S 34

1916

68.50
80.00

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
N. of cor.
Wash, course NE.
2 lks. S. from the secant
Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the
ground, for standard cor. of secs. 34 and 35, mkd.
on brass cap

S C
T29N R 9E
S34|S35

1916

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

5.00
17.00
23.00
40.00

S. 89° 59' E. on a secant through sec. 35.
Over rolling land.
Wash, course NE.
Road brs. NE. and SW.
Road brs. NE. and SW.
1 lk. S. from the secant
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
the ground, for standard $\frac{1}{4}$ sec. cor., mkd. on brass
cap

SC
 $\frac{1}{4}$ S 35

1916

51.50
75.00
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 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft.
high, N. of cor.
Wash, course SE.
Wash, course SE.
Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in
the ground, for standard cor. of sec. 35, and fr. cl. and
sect. 36, marked on brass cap,

S C
T29N R 9E
S35|S36

1916

7th Standard Parallel N., through part of R. 9 E. 7

Chains

and raise a mound of petrified wood, 2 ft. base, 1 1/2 ft. high, N. of cor.
Land, rolling.
Soil, sandy and gravelly, 4th rate.
No timber.

S. 89° 59' E. on the secant, S. of fracl. sec. 36.
Over rolling land.
10.00 Desc. NE. slope.
15.00 Wash, course N.
23.00 Desc. E. slope.
40.00 2 lks. N. from the secant
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for standard 1/4 sec. cor., mkd. on brass cap

SC
1/4 S 36

1916

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.
64.13 The left bank of Little Colorado river, brs. NW, & SE. At point of intersection, 3 lks. N. from the secant,
Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for meander cor. of fracl. sec. 36, mkd. on brass cap

T29N
R 9E
MC S36 MC

1916

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

Subdivision of a portion of T. 29 N., R. 9 E.

From true point for standard cor. of secs. 31 and 32 on S. bdy. of Tp. 7 (7th standard Parallel N.) witnessed 1,60 chs. E. as hereinbefore described,
N. 0° 1' E. bet. secs. 31 and 32.
Over rolling and mountainous land.

.72 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for witness cor. to standard cor. of secs. 31 and 32, mkd. on brass cap

S C
T29N R 9E
S31 | S32
W C

1916

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.
Asc. 81 ft. to
2.40 Top of cliff, 40 ft. high, brs. E. and W. Thence over large boulders and small cliffs.
14.00 Desc. gradual slope to
25.60 Road brs. E. and W.
38.80 Wash, course E.

Subdivision of a portion of T. 29 N., R. 9 E.

Chains	
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
	$\begin{array}{c} \frac{1}{4} \\ \hline S31 S32 \\ 1916 \end{array}$
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
48.90	Asc. 49 ft. to Rocky ridge brs. E. and W. Desc. to
56.50	Wash, course NE.
65.00	Asc. 44 ft. to
70.00	Over rolling slope to
76.10	Road brs. E. and W.
80.00	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
	$\begin{array}{c} T29N R 9E \\ \hline S30 S29 \\ \hline S31 S32 \\ 1916 \end{array}$
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Land, rolling & mountainous. Soil, sandy and rocky, 4th rate. No timber.
	West on a random line bet. secs. 30 and 31
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.96	Intersect 2nd guide meridian E. 24 lks. N. of cor. of secs. 25, 30, 31 and 36, which is a limestone, properly set, mkd. and witnessed as described by the Surveyor General.
	Thence
	N. 89° 50' E. on a true line bet. secs. 30 and 31.
	Over rolling land.
5.50	Road brs. SE. and NW.
26.00	Wash, course NE.
39.98	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
	$\frac{1}{4} \begin{array}{c} S 30 \\ \hline S 31 \\ 1916 \end{array}$
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
66.70	Road brs. SE. and NW.
79.96	The cor. of secs. 29, 30, 31 and 32. Land, rolling. Soil, sandy and rocky, 4th rate. No timber.
	N. 0° 1' E. bet. secs. 29 and 30.
	Over rolling 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
	$\begin{array}{c} \frac{1}{4} \\ \hline S30 S29 \\ 1916 \end{array}$
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Subdivision of a portion of T. 29 N., R. 9 E.

Chains

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in a mound of stone, for cor. of secs. 19, 20, 29 and 30, mkd. on brass cap

T29N R 9E
S19|S20
S30|S29
1916

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

40.00 West on a random line bet. secs. 19 and 30.
Set temp. 1/4 sec. cor.
80.06 Intersect 2nd guide meridian E. 12 lks. N. of cor. of secs. 19, 24, 25 and 30, which is a limestone, properly set, mkd. and witnessed as described by the Surveyor General.

Thence N. 89° 55' E. on a true line, bet. secs. 19 and 30. Over rolling land.

Asc. 48 ft. to
2.50 Desc. to
7.00 Wash, course NE.
37.00 Wash, course NE.
40.03 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 S 19
S 30
1916

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.
62.00 Canyon, course NE.
80.06 The cor. of secs. 19, 20, 29 and 30.
Land, rolling and hilly.
Soil, untillable, rocky clay, 4th rate.
No timber.

N. 0° 1' E. bet. secs. 19 and 20.
Over rolling land.
13.40 Desc. NW. slope, 228 ft. to
23.60 Canyon course NE. Asc. SE. slope to
40.00 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 S19|S20
1916

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.
Asc. 52 ft. to
42.20 Spur slopes E. Desc. NE. slope, 60 ft. to
45.00 Canyon course E. Asc. SE. slope, 147 ft. to
51.50 Desc. 74 ft. to
54.30 Asc. 85 ft. to
60.00 Over rolling land to
64.00 Desc. to
74.25 Canyon course SE. Asc. S. slope, 72 ft. to
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of sec. 19 and 1/4 sec. 17, 18, and 20, marked on brass cap.

Chains

T29N R 9E
S18|S17
S19|S20
1916

and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
Land, rolling & mountainous.
Soil, rocky, 4th rate.
No timber.

40.00 West on a random line bet. secs. 18 and 19.
79.80 Set temp. ¼ sec. cor.
Intersect 2nd guide meridian E., 16 lks. N. of cor. of secs. 13, 18, 19 and 24, which is a limestone, properly set, mkd. and witnessed as described by the Surveyor General.
Thence
N. 89° 53' E. on a true line, bet. secs. 18 and 19.
39.90 Over rolling land.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., mkd. on brass cap

¼ S 18
S 19
1916

79.80 and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
The cor. of sec. 19, and frac. secs. 17, 18, and 20.
Land, rolling & mountainous.
Soil, rocky, 4th rate.
No timber.

8.00 N. 0° 1' E. bet. frac. secs. 17 and 18.
17.60 Over rolling & mountainous land.
20.60 Desc. 55 ft. to Canyon, course NE. Asc. 55 ft. to
30.00 Desc. 35 ft. to Canyon, course E. Asc. 53 ft. to
37.80 Desc. 204 ft. to Canyon, course NE.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., mkd. on brass cap

¼
S18|S17
1916

75.15 and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
Asc. black malpais cliff 60 ft. high, brs. NW. and SE.
79.50 Desc. 260 ft. to
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 frac. secs. 17, and 18, mkd. on brass cap

M C
S18|S17
T29N R 9E
1916

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

Subdivision of a portion of T. 29 N., R. 9 E. 11

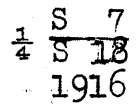
Chains

Land, rolling & mountainous.
Soil, rocky, 4th rate.
No timber.

From the cor. of secs. 32 and 33, and fracl. secs. 17, 18, and 18, on W. bdy. of 1st (2nd Guide Mer. E.) hereinbefore described, East on a true line bet. fracl. secs. 7 and 18.

18.30
40.00

Over rolling & mountainous land.
Canyon, 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



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.
66.55 Black malpais cliff, 100 ft. high, brs. N. 80° W. and S. 80° E. Desc. NE. slope 433 ft. to

78.92 The left bank of Little Colorado River brs. N. 70° W. and S. 70° E., 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. 7 and 18, mkd. on brass cap

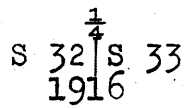


and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.
Land, rolling & mountainous.
Soil, rocky, 4th rate.
No timber.

From the standard cor. of secs. 32 and 33 on N. bdy. of 1st (7th std. Par. N.) hereinbefore described, N. 0° 1' E. bet. secs. 32 and 33.

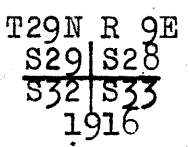
16.00
40.00

Over rolling land.
Road brs. E. and W.
Road brs. NW. and 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



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

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



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

Chains

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

40.00 West on a random line bet. secs. 29 and 32.
79.98 Set temp. $\frac{1}{4}$ sec. cor.
Intersect N. and S. line, 2 lks. S. of cor. of secs, 29,
30, 31 and 32.

Thence
39.99 S. $89^{\circ} 59'$ E. on a true line bet. secs. 29 and 32.
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 29
S 32
1916

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

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

40.00 N. $0^{\circ} 1'$ E. bet. secs. 28 and 29.
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

$\frac{1}{4}$
S29 | S28
1916

80.00 dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft.
dist.; and raise a mound of earth, 3 ft. base, $1\frac{1}{2}$ ft.
high, W. of cor.
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
ground, for cor. of secs. 28 and 29, and ~~fracl. secs. on~~
20 and 21, marked on brass cap,

T29N R 9E
S20 | S21
S29 | S28
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. sec. 29, and ~~fracl. sec. 20.~~
80.00 Set temp. $\frac{1}{4}$ sec. cor.
Intersect the corner of secs. 19, 29, and 30, and ~~fracl.~~
sec. 20.

Thence
40.00 East on a true line bet. sec. 29, and ~~fracl. sec. 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

Subdivision of a portion of T. 29 N., R. 9 E. 13

Chains

1/4 S 20
1/4 S 29
1916

80.00 and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,
N. of cor.
The cor. of secs. 28 and 29, and fracl. secs. 20 and 21.
Land, rolling.
Soil, untillable, rocky clay, 4th rate.
No timber.

40.00- N. 0° 1' E. bet. fracl. secs. 20 and 21.
Over rolling land.
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
S20 | S21
1916

46.00 and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,
W. of cor.
Desc. 77 ft. to
50.00 Asc. 63 ft. to
58.80 Cliff 60 ft. high, brs. NW. and SE. Desc. NE. slope, 279
ft. to

66.12 The left bank of Little Colorado River brs. N. 43° W. and
S. 43° E., 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. 20 and
21, mkd. on brass cap

MC
S20 | S21
T29N R 9E
1916

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

From the cor. of sec. 19, and fracl. secs. 17, 18, and 20.
East on a true line bet. fracl. secs. 17 and 20.
Over rolling mountainous land.
36.70 Desc. SE. slope, 49 ft. to
39.00 Canyon, course S. Asc. SW. slope, to
40.00 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 17
1/4 S 20
1916

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,
N. of cor.
Desc. 212 ft. to
54.00 Canyon, course NE.
63.20 Desc. NE. slope, 155 ft. to
68.40 The left bank of Little Colorado River; brs. N. 17° W. and
S. 17° E., course of river, NW., approximately 8 chs.
wide. 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. 17 and
20, mkd. on brass cap

14 Subdivision of a portion of T. 29 N., R. 9 E.

Chains

T29N
S17
----- MC
S20
R 9E
1916

and raise a mound of stone, 2 ft. base, 1½ ft. high,
W. of cor.
Land, rolling and mountainous.
Soil, rocky, 4th rate.
No timber.

From the standard cor. of secs. 33 and 34 on S. bdy. of Twp.,
(7th. Std. Par. N.) hereinbefore described,
N. 0° 2' E. bet. secs. 33 and 34.

7.00
34.00
40.00

Over rolling land.
Wash, course NE.
Road brs. E. and W.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
the ground, for ¼ sec. cor., mkd. on brass cap

S 33 | S 34
1916

72.00
80.00

and raise a mound of stone, 2 ft. base, 1½ ft. high,
W. of cor.
Wash, course E.
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in a
mound of stone, for cor. of secs. 27, 28, 33 and 34,
mkd. on brass cap

T29N.R 9E
S28 | S27
S33 | S34
1916

and raise a mound of stone, 2 ft. base, 1½ ft. high,
W. of cor.
Land, rolling.
Soil, untillable, rocky clay, 4th rate.
No timber.

40.00
80.00

West on a random line bet. secs. 28 and 33.
Set temp. ¼ sec. cor.
Intersect N. and S. line, 8 lks. N. of cor. of secs.
28, 29, 32 and 33.

7.80
31.00
40.00

Thence
N. 89° 57' E. on a true line bet. secs. 28 and 33.
Over rolling land.
Stream 7 lks. wide, course NE.
Road brs. N. and S.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in a
mound of stone, for ¼ sec. cor., mkd. on brass cap

¼ S 28
S 33
1916

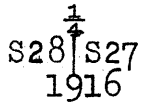
42.00
80.00

and raise a mound of stone, 2 ft. base, 1½ ft. high,
N. of cor.
Wash, course NE.
The cor. of secs. 27, 28, 33 and 34.
Land, rolling.
Soil, untillable, rocky clay, 4th rate.
No timber.

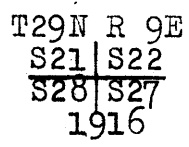
Subdivision of a portion of T. 29 N., R. 9 E. 15

Chains

N. 0° 2' E. bet. secs. 27 and 28.
 Over rolling land.
 2.00 Wash, course NE.
 7.00 Wash, course SE.
 24.00 Wash, course SE.
 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

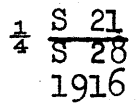


and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 42.50 Road to Tuba City brs. NE. and SW.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in a mound of stone, for cor. of secs. 27, and 28, and fracl. secs. 21 and 22, marked on brass cap,



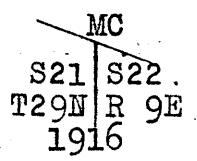
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Land, rolling.
 Soil, untillable, rocky clay, 4th rate.
 No timber.

40.00 West on a random line bet. sec. 28, and fracl. sec. 21.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.96 Intersect N. and S. line, 6 lks. S. of cor. of secs. 28, and 29, and fracl. secs. 20 and 21.
 Thence
 S. 89° 57' E. on a true line bet. sec. 28, and fracl. sec. 21.
 Over rolling land.
 39.98 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, N. of cor.
 42.70 Wash, course SE.
 51.00 Canyon, course NE.
 79.96 The cor. of secs. 27 and 28, and fracl. secs. 21 and 22.
 Land, rolling.
 Soil, untillable, rocky clay, 4th rate.
 No timber.

N. 0° 2' E. bet. fracl. secs. 21 and 22.
 Over rolling broken land.
 20.00 Wash, course NE.
 38.41 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 fracl. secs. 21 and 22, mkd. on brass cap



Chains

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

Land, rolling and broken clay, 4th rate.

Soil, untillable, rocky clay, 4th rate.

No timber.

From the ~~standard~~ cor. of secs. 34 and 35, on a bdy. of Tp., (7th. Std. Par. N.), hereinbefore described,

N. 0° 3' E. bet. secs. 34 and 35.

Over rolling land.

33.00

Wash, course E.

40.00

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., mkd. on brass cap

¼
S34 | S35
1916

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

80.00

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 27, 34 and 35, and fracl. sec. 26, marked on brass cap,

T29N R 9E
S27 | S26
S34 | S35
1916

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

Land, rolling, mountainous.

Soil, untillable, rocky clay, 4th rate.

No timber.

West on a random line bet. secs. 27 and 34.

40.00

Set temp. ¼ sec. cor.

80.20

Intersect N. and S. line, 10 lks. N. of cor. of secs. 27, 28, 33 and 34.

Thence

N. 89° 56' E. on a true line bet. secs. 27 and 34.

Over rolling land.

4.00

Wash, course NE.

8.00

Wash, course NE.

39.20

Road brs. NE. and SW.

40.10

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., mkd. on brass cap

¼ S 27
S 34
1916

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

80.20

The cor. of secs. 27, 34 and 35, and fracl. sec. 26.

Land, rolling.

Soil, untillable, rocky, 4th rate.

No timber.

N. 0° 3' E. bet. sec. 27, and fracl. sec. 26.

Over rolling land.

40.00

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., mkd. on brass cap

Subdivision of a portion of T. 29 N., R. 9 E. 17

Chains

$\frac{1}{4}$
S27 | S26
1916

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

48.00
61.00
75.00
80.00

Wash, course NE.
Wash, course NE.
Wash, course NE.
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in a mound of stone, for cor. of sec. 27, and fracl. secs. 22, 23, and 26, marked on brass cap,

T29N R 9E
S22 | S23
S27 | S26
1916

and raise a mound of stone, 2 ft. base, 1½ ft. high,
W. of cor.
Land, rolling.
Soil, untillable, rocky clay, 4th rate.
No timber.

West on a random line bet. sec. 27, and fracl. sec. 22.

40.00
80.00

Set temp. ¼ sec. cor.
Intersect N. and S. line, 4 lks. N. of cor. of secs. 27 and 28, and fracl. secs. 21 and 22.

Thence
N. 89° 58' E. on a true line bet. sec. 22 and fracl. sec. 27.
Over rolling land.

40.00

Set an iron post, 3ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., mkd. on brass cap

$\frac{1}{4}$ S 22
S 27
1916

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

45.00
59.00
80.00

Wash, course NE.
Road brs. NE. and SW.
The cor. of sec. 27, and fracl. secs. 22, 23, and 26.
Land, rolling.
Soil, untillable, rocky clay, 4th rate.
No timber.

N. 0° 3' E. bet. fracl. secs. 22 and 23.

Over rolling land.

Asc. 30 ft. to
Spur slopes NE. Desc. N. slope, to

11.80
14.80

The left bank of Little Colorado River, bears S. 60° W. and N. 60° E., course of river, W. 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. 22 and 23, mkd. on brass cap

M C
S22 | S23
T29N R 9E
1916

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

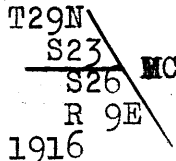
Land, rolling.
Soil, rocky, 4th rate. No timber.

18.15 Subdivision of a portion of T. 29 N., R. 9 E.

Chains

From the cor. of ~~sec. 27~~, and ~~fracl. secs. 22, 23,~~ and 26.
 East on a true line bet. ~~fracl. secs. 23~~ and 26.
 Over rolling land.
 Canyon, 2 course NE. Asc. gradual slope to
 Low ridge brs. N. and S. Desc. NE. slope to
 The left bank of Little Colorado River, brs. N. 46° W. and
 S. 46° E., course of river, NW. At pt. of intersection,
 Set an iron post, 3ft. long, 2 ins. diam., 24 ins. in the
 ground, for meander cor. of ~~fracl. secs. 23~~ and 26,
 mkd. on brass cap

.85
4.50
20.65



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

From the standard cor. of ~~sec. 35~~, and ~~fracl. sec. 36~~ on S. by
 of ~~7th St. Par. N.~~ herebefore described,
 N. 0° 3' E. bet. ~~sec. 35~~ and ~~fracl. sec. 36~~.

32.10
39.00
40.00

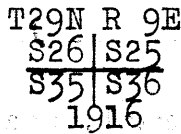
Over rolling land.
 Road brs. NW. and SE.
 Rocky wash, course NE.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap



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

51.50
59.90
72.70
80.00

Canyon, 2 chs. wide, 30 ft. deep, course E.
 Road brs. NE. and SW.
 Desc. N. slope along rocky wash, course NE.
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
 the ground, for cor. of ~~sec. 35~~, and ~~fracl. secs. 25, 26,~~
 and ~~36~~, marked on brass cap,



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

40.00
80.10

West on a random line bet. ~~sec. 35~~, and ~~fracl. sec. 26~~.
 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line, 10 lks. N. of cor. of secs.
 27, 34 and 35, and ~~fracl. sec. 26~~.
 Thence
 N. 89° 56' E. on a true line bet. ~~sec. 35~~, and ~~fracl. sec. 26~~.
 Over rolling land.

Subdivision of a portion of T. 29 N., R. 9 E. 19

Chains

40.05 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 26
S 35
1916

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

49.60 Canyon, 3 chs. wide, 30 ft. deep, course NE.

79.10 Desc. 48 ft. to

80.10 The cor. of secs. 35, and fracl. secs. 25, 26, and 36.

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

East on a true line bet. fracl. secs. 25 and 36.

Over rolling land.
Road brs. N. and S.

9.00

36.94 The left bank of Little Colorado River brs. N. 15° W. and S. 15° E., 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. 25 and 36, mkd. on brass cap

T29N
S25
S36 MC
R 9E
1916

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

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

From cor. of secs. 35 and fracl. secs. 25, 26, and 36. N. 0° 3' E. bet. fracl. secs. 25 and 26.

Over rolling land.

7.50

Wash, course NW.

16.00

Wash, course N., from SW.

19.00

Leave wash, course NW. from S.

22.60

The left bank of Little Colorado River, brs. S. 70° W. and N. 70° E., course of river, SW. 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. 25 and 26, mkd. on brass cap

MC
S26 | S25
T29N R 9E
1916

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

Land, rolling.
Soil, rocky and sandy, 4th rate.
No timber.

Meanders of left bank Little Colorado River, down stream.

From the meander cor. of fracl. sec. 36 on S. side of T. 29th (7th Std. Par. N.), heretofore described, of sp., hereinbefore described.

Thence with meanders in fracl. sec. 36.

Along sandy bank 6 ft. high.

N. 41° W. 4.00 chs.

N. 40 $\frac{1}{2}$ ° W. 11.90 "

N. 22 $\frac{3}{4}$ ° W. 16.60 "

N. 8 $\frac{1}{2}$ ° W. 7.40 "

N. 7 $\frac{3}{4}$ ° W. 9.80 "

N. 24 $\frac{1}{4}$ ° E. 5.70 "

N. 15 $\frac{1}{4}$ ° W. 7.10 "

N. 8 $\frac{1}{2}$ ° W. 16.30 "

N. 24° W. 7.50 "

N. 39° W. 2.50 "

To the meander cor. of fracl. secs. 25 and 36.

Land, rolling along edge of river.

Soil, sandy, 4th rate.

No timber.

Thence in fracl. sec. 25.

Along broken gravelly banks, 8 ft. high.

N. 15 $\frac{1}{2}$ ° W. 1.50 chs.

N. 27 $\frac{1}{4}$ ° W. 10.50 "

N. 41 $\frac{1}{2}$ ° W. 3.50 "

N. 53 $\frac{3}{4}$ ° W. 7.00 "

N. 62 $\frac{3}{4}$ ° W. 7.10 "

N. 84° W. 17.50 "

To the meander cor. of fracl. secs. 25 and 26.

Land, rolling along edge of river.

Soil, gravelly and sandy, 4th rate.

No timber.

Thence in fracl. sec. 26,

Along sandy bank, 6 ft. high.

S. 69 $\frac{3}{4}$ ° W. 25.20 chs. At .55 chs. mouth of wash, course from S. Enter box canyon.

N. 54° W. 7.50 "

N. 43 $\frac{1}{2}$ ° W. 4.70 "

Along base of cliff 50 ft. high.

Asc. to top of cliff 40 ft. above water.

N. 41 $\frac{1}{4}$ ° W. 5.00 "

N. 20 $\frac{1}{4}$ ° W. 4.20 "

N. 16 $\frac{1}{4}$ ° W. 4.10 "

N. 9° W. 18.50 "

Desc. from cliff. Thence along sandy bank.

N. 10 $\frac{1}{2}$ ° W. 10.30 "

N. 35° W. 8.40 "

N. 44° W. 11.00 "

N. 46 $\frac{1}{4}$ ° W. 4.80 "

To the meander cor. of fracl. secs. 23 and 26.

Land, rolling*mountainous.

Soil, sandy and rocky, 4th rate.

Timber, a few scattering cottonwood trees in center of meanders, along river bank.

Thence in fracl. sec. 23.

Through box canyon 10 chs. wide.

N. 46 $\frac{1}{4}$ ° W. 6.00 chs. Along rocky bank.

N. 63 $\frac{1}{4}$ ° W. 8.60 "

N. 47 $\frac{1}{4}$ ° W. 5.90 "

Meanders in T. 29 N., R. 9 E.

N. $53\frac{1}{4}^\circ$ W. 2.30 chs.
 N. $60\frac{1}{4}^\circ$ W. 2.90 " To the meander cor. of fracl. secs.
 22 and 23.

Land, rolling & mountainous.
 Soil, rocky, 4th rate.
 No timber.

Thence in fracl. sec. 22.
 Through box canyon 10 chs. wide, along cliffs 40 ft. high.

N. $60\frac{1}{4}^\circ$ W. .70 chs. Along rocky bank.
 N. $69\frac{1}{4}^\circ$ W. 3.70 "
 N. $82\frac{1}{4}^\circ$ W. 5.80 "
 N. $89\frac{3}{4}^\circ$ W. 8.70 " At 5.90 chs. a steel suspension
 Bridge on the Tuba-Flagstaff
 road 10 chs. long, brs. N. $8^\circ 50'$
 E. and S. $8^\circ 50'$ W.

West 6.90 "
 S. $85\frac{1}{2}^\circ$ W. 7.60 " At 6.50 chs. mouth of canyon, course
 from SW.

N. 67° W. 2.80 "
 N. $78\frac{1}{2}^\circ$ W. 7.50 "
 N. $67\frac{3}{4}^\circ$ W. 8.80 "
 N. $69\frac{1}{4}^\circ$ W. 13.60 "
 N. $53\frac{3}{4}^\circ$ W. 10.20 "
 N. $50\frac{3}{4}^\circ$ W. 5.70 "
 N. 67° W. 3.90 " To the meander cor. of fracl. secs.
 21 and 22.

Land, rolling & mountainous.
 Soil, rocky 4th rate.
 No timber.

Thence in fracl. sec. 21.
 Through box canyon 10 chs. wide.

N. $38\frac{1}{2}^\circ$ W. 1.50 chs. Along rocky bank.
 N. $48\frac{3}{4}^\circ$ W. 5.80 "
 N. $60\frac{1}{4}^\circ$ W. 10.00 "
 N. 69° W. 3.10 "
 N. $70\frac{1}{2}^\circ$ W. 4.20 "
 N. $80\frac{3}{4}^\circ$ W. 7.00 "
 S. $79\frac{3}{4}^\circ$ W. 4.20 "
 S. 55° W. 11.40 " At 7 chs. mouth of canyon course
 from S.

S. $53\frac{3}{4}^\circ$ W. 5.10 "
 S. $63\frac{1}{4}^\circ$ W. 7.90 "
 N. 67° W. 7.20 "
 N. $42\frac{1}{4}^\circ$ W. 9.40 "
 N. 38° W. 16.00 "
 N. $39\frac{1}{2}^\circ$ W. 7.50 " To the meander cor. of fracl. secs.
 20 and 21.

Land, mountainous:
 Soil, rocky and sandy, 4th rate.
 Timber, a few scattering cottonwood trees.

Thence in fracl. sec. 20.
 Through box canyon 10 chs. wide.

N. 43° W. 13.70 chs. Along sandy bank.
 N. $36\frac{1}{4}^\circ$ W. 4.30 " To the meander cor. of fracl. secs.
 17 and 20.

Land, rolling & mountainous.
 Soil, sandy, 4th rate.
 No timber.

Thence in fracl. sec. 17.
 Through box canyon 10 chs. wide.
 N. $17\frac{1}{2}^\circ$ W. 12.60 chs. Along rocky bank.
 At 12.00 chs. mouth of canyon,
 course from SW.
 N. 16° W. 5.50 "
 N. 19° W. 7.00 "
 N. $31\frac{1}{8}^\circ$ W. 8.60 "
 N. $42\frac{1}{4}^\circ$ W. 9.50 " At 1.20 chs. mouth of wash, course
 from SW.
 N. $39\frac{3}{4}^\circ$ W. 15.30 "
 N. 33° W. 15.40 " At 4 chs. mouth of wash, course
 from SW.
 N. $38\frac{3}{4}^\circ$ W. 8.20 "
 N. 48° W. 8.00 "
 N. $73\frac{3}{4}^\circ$ W. 7.30 "
 N. $77\frac{1}{4}^\circ$ W. 13.70 " To the meander cor. of fracl. secs.
 17 and 18.
 Land, rolling & mountainous.
 Soil, rocky, 4th rate.
 Timber, scattering cottonwood.

Thence in fracl. sec. 18.
 Over rolling land along river bank.
 N. $64\frac{1}{2}^\circ$ W. 1.20 chs. Along rocky bank.
 To the meander cor. of fracl. secs.
 7 and 18.
 Land, rolling and mountainous.
 Soil, rocky, 4th rate.
 No timber.

Thence in fracl. sec. 7.
 Over rolling and gravelly banks, 8 ft. high.
 N. $64\frac{1}{8}^\circ$ W. 4.60 chs. Along rocky bank.
 N. 71° W. 9.20 "
 N. $77\frac{1}{2}^\circ$ W. 8.30 "
 S. $87\frac{1}{2}^\circ$ W. 4.80 "
 S. 81° W. 12.70 "
 N. 81° W. 4.40 " Along base of cliff, 50 ft. high.
 N. $51\frac{1}{2}^\circ$ W. 11.20 "
 N. $29\frac{3}{4}^\circ$ W. 20.90 " Leave cliff, thence along sandy
 bank.
 N. $46\frac{1}{2}^\circ$ W. 2.90 "
 N. 61° W. 9.90 "
 N. $58\frac{1}{4}^\circ$ W. 7.20 " To the meander cor. of fracl. secs.
 7 and 12 on the body of the T. 29 N.
 (2nd Guide Mer. E.) hereinafore
 described.
 Land, rolling & mountainous.
 Soil, rocky and sandy, 4th rate.
 Timber, scattering cottonwood.

GENERAL DESCRIPTION

The part of this township surveyed, consists of rolling bench land, traversed by deep canyons with almost precipitous banks.
 The soil is very rocky and sandy. Little or no vegetation exists.
 Tappan Springs, in the extreme NW. cor. of sec. 33, is fairly good water. The Little Colorado River runs through the township from SE. to NW. In the SE. part it is about 40 chs. wide, with low sandy banks. In the central and NW. parts, it runs through a box canyon

the walls of which are from 40 to 60 ft. high. The river is almost dry at the present time. A steel suspension bridge on the road from Flagstaff to Tuba, crosses the river in sec. 22. It is a very substantial structure, built from wall to wall of the box canyon, and is about 10 chs. long. There are no settlers in the township. No evidence of valuable mineral exists. The portion of the Tp.N. of the river is within the Navajo Ind. Reservation.

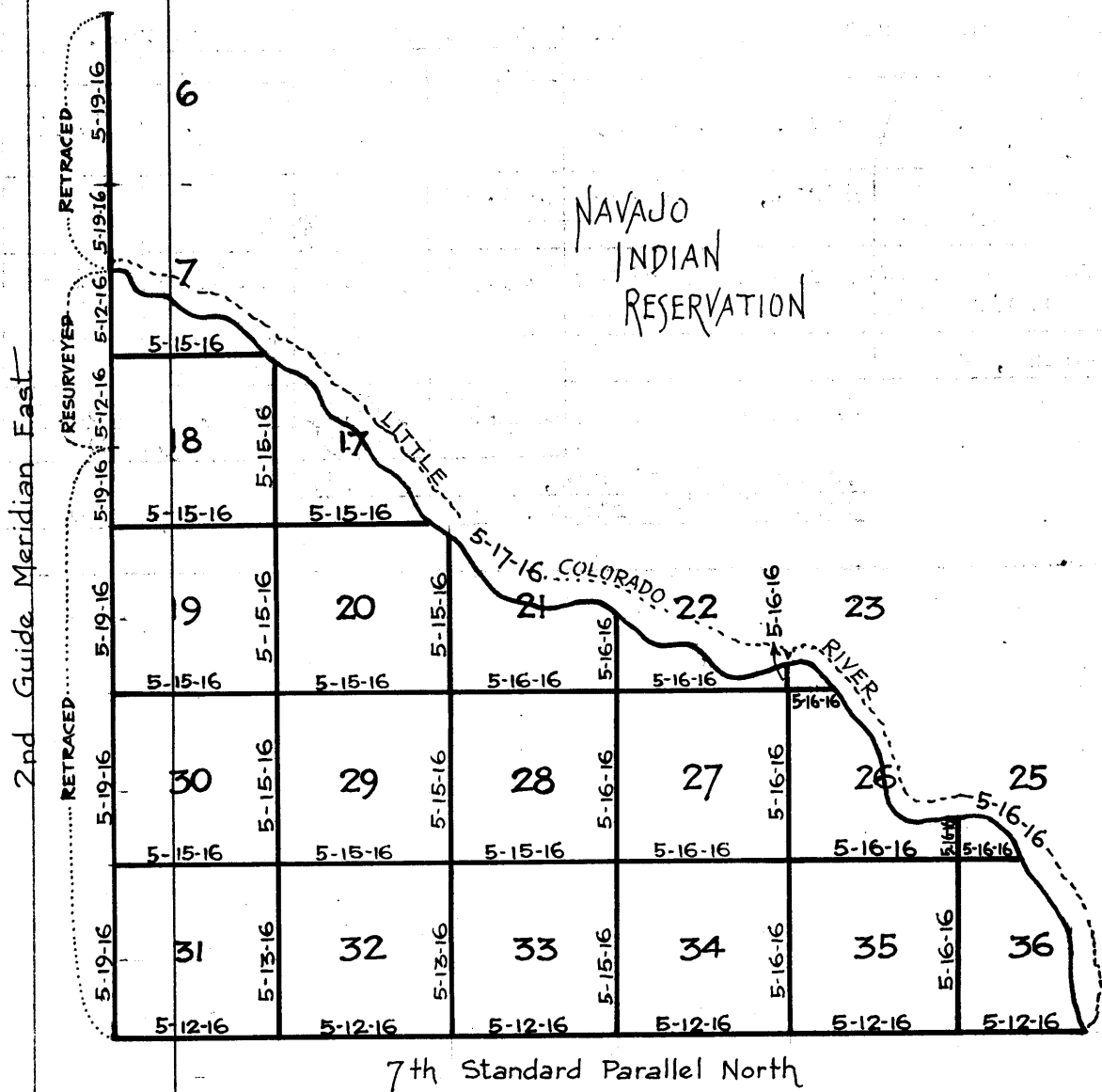
Boundaries of that Portion of T.29 N. R.9 E. outside the NAVAJO INDIAN RESERVATION.

 Latitudes, departures and closing errors.

Line designated	True course.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
South boundary, (7th. Std. Pat. N.)	West,	464.13				464.13
West boundary, (2nd Guide Mer. E.)	North,	361.00	361.00			
Meanders Left Bank Little Colo. river	Various	Various	25.37	386.49	426.25	2.34
Convergency,					.22	
Totals,			386.37	386.49	466.47	466.47
				386.37		466.47
Error in latitude,			0.12			
Error in departure,					0.00	

T. 29 N., R. 9 E.

Date Diagram.



Lines run by surveyor Johnston on dates shown above.

" " " Transitman Inch " " " "

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BOOK 3272

TRANSITMAN
CERTIFICATE OF UNITED STATES SURVEYOR.

UNIVERSITY

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 Instructions, and the laws of the United States, ~~surveyed~~ ^{resurveyed} all those parts or portions of the 2nd Guide Meridian East, Township 29 North, & surveyed all those parts or portions of the Subdivision lines of

TOWNSHIP 29 NORTH, RANGE 9 EAST,

of the Gila and Salt River Base and Meridian, in the State of Arizona, which are represented in and by diagram on page 24 hereof the foregoing field notes as having been executed by me, and under my direction; and that all the corners of resurvey & 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~~ ^{resurvey} and 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.

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 7th Standard Parallel North, through Range 9 East, and all those parts or portions of the Subdivision lines of

TOWNSHIP 29 NORTH, RANGE 9 EAST,

of the Gila and Salt

River Base & Meridian, in the State of Arizona, which are represented in and by diagram on page 24 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 ^{resurvey of} ~~the survey of~~ a portion of the 2nd Guide Meridian East, in Township 29 North, & of the survey of 7th Standard Parallel North, through Range 9 East, and a Portion of the Subdivision lines, and the Meanders of the left bank of the Little Colorado River within

TOWNSHIP 29 NORTH, RANGE 9 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.T. under ~~his~~ special instructions dated Jan. 4, 1916, for Gp. 66, Ariz., 401, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the ^{resurveys &} ~~surveys~~ they describe, are hereby approved.

Frank E. Smith
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.~~