

FIELD NOTES

of the RETRACEMENT of the

7th. Standard Parallel North, thru. part of Range 8 East, and

2nd. Guide Meridian East, through Township 28 North,

and SURVEY of the

7th. Standard Parallel North, through part of Range 8 East, and

Subdivision Lines

of

TOWNSHIP 28 NORTH, RANGE 8 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.

Retracement, and Survey commenced May 3, 1916.

Retracement, and Survey completed " 10, 1916.

Executed under Assignment. Instructions dated Feb. 3, 1916.

3270

3270

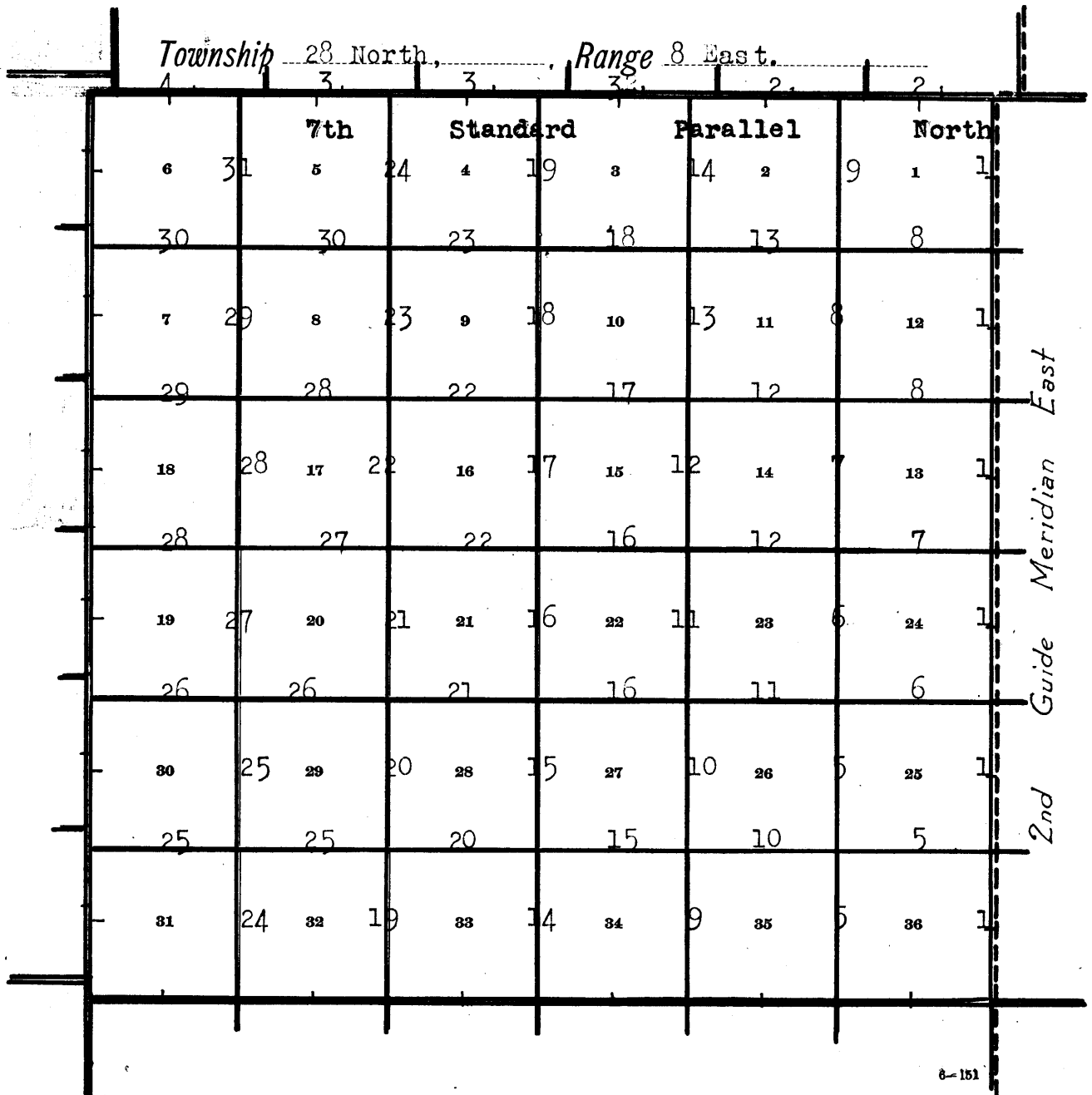
3270

Book "K"

Group 66- - - Arizona.

BOOK 3270

INDEX DIAGRAM.



- Lines surveyed under this Group.
- - - - - " retraced " " "
- " run under current Group 67.

Tusayan National Forest.

Retracement of 2nd G. M. E., through T. 28 N.,
Restracement & Survey of 7th St. Par. N., through R. 8 E.,
Subdivision of T. 28 N., R. 8 E.

13

Chains

Work executed by Theo. O. Johnston, U. S. Surveyor, and Philip L. Inch, U. S. Transitman. Dates of survey shown on diagram on page 32 hereof. The instruments used are described, with 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 of Polaris at elongation, a record of which follows herein; and were projected with transits by back and fore sights and carefully measured angles.

Polaris Observation.

May 3, 1916.

At my camp in sec. 27, T. 28 N., R. 8 E., in lat. 35°47' N., long. 111°32' W., at 4 h 49m, a.m., l.m.t., I observe Polaris at eastern elongation in accordance with instructions in the Manual, 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 my station.

At 7h 00m, a.m., 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.

Retracement of 2nd G. M. E., through T. 28 N.

Preliminary to surveying the 7th St. Par. N., through R. 8 E., and the subdivision lines of T. 28 N., R. 8 E., retracement was made of the 2nd G. M. E. through T. 28 N., the old distances being found closely approximating those given in the original record, and a mean bearing being developed for the six miles of N.0°07'E. The old cors. are all stones, firmly set, marked and witnessed as described by the Surveyor General.

The true course, for each half mile, is as follows:

Bet. secs. 31 and 36,	N.0°05'E.,	40.02 chs.
	N.0°06'E.,	40.00 chs.
Bet. secs. 25 and 30,	N.0°04'E.,	40.05 chs.
	N.0°05'E.,	39.98 chs.
Bet. secs. 19 and 24,	N.0°05'E.,	39.95 chs.
	N.0°05'E.,	40.02 chs.
Bet. secs. 13 and 18,	N.0°12'E.,	39.96 chs.
	N.0°10'E.,	39.86 chs.
Bet. secs. 7 and 12,	N.0°08'E.,	39.99 chs.
	N.0°09'E.,	39.83 chs.
Bet. secs. 1 and 6,	N.0°09'E.,	39.98 chs.
	N.0°09'E.,	39.90 chs.

2 Retracement & Survey of 7th St. Par. N., through R. 8 E.

Chains

Beginning at 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;

RETACEMENT

16.62 Thence N. 89° 58' W., on secant, 800 ft., sec. 36; over broken land. The closing cor. of Ts. 28 N., Rs. 8 & 9 E., on 2nd G.M.E., which is a stone firmly set, marked and witnessed, as described by the surveyor general, brs. N. 3 lks. dist. on the parallel.

SURVEY.

25.00

Wash, course SE.

34.00

Asc. on E. slope.

40.00

N. 2 lks. from the secant

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

S C
1/4 S 36

1916

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

49.30

Summit of ascent, 150 ft. above ft. of slope. Desc. 120 ft.

55.00

ft. of descent.

80.00

Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for standard cor. of secs. 35 and 36, with brass cap, marked

S C
T 29 N | R 8 E
S 35 | S 36

1916

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

Land, rolling and broken.
Soil, rocky clay; 4th rate.
No timber.

N. 89° 59' W., on the secant, through sec. 35, over rolling land.

40.00

S. 1 lk. from the secant

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

S C
1/4 S 35

1916

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

59.00

Wash, course SE.

80.00

S. 2 lks. from the secant

Set an iron post, 3 ft. long, 3 ins. diam., in a mound of stone, for standard cor. of secs. 34 and 35, with brass cap, marked

S C
T 29 N | R 8 E
S 34 | S 35

1916

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

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

7th. Standard Parallel North, through Range 8 East. 3.

Chains.

N. 89° 59' W., on the secant, thru. sec. 34.
Over broken land.

15.00

Wash, course SW.

20.00

Wash, course NW.

40.00

South 3 lks. from the secant,
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
the ground, for standard 1/4 sec. cor., with brass cap,
marked

SC
1/4 S 34

1916

dig pits, 18x18x12 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.

78.70

Wash, course SE.

80.00

S. 3 lks. from the secant,
Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the
ground, for standard cor. of secs. 33 and 34, with
brass cap, marked

SC
T29N R8 E
S33 S34

1916

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

Land, broken and rolling.

Soil, rocky, 4th. rate.

No timber.

West., on the secant, thru. sec. 33.

Over broken land.

1.00

Wash, course NW.

23.70

Road, brs. N. and S.

40.00

S. 3 lks. from the secant,
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
the ground, for standard 1/4 sec. cor., with brass cap,
marked

SC
1/4 S 33

1916

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

51.90

Red sandstone cliff, brs. N. and S.

66.00

Wash, course SE.

80.00

S. 2 lks. from the secant,
Set an iron post, 3 ft. long, 3 ins. in diam., in a mound
of stone, for standard cor. of secs. 32 and 33, with brass
cap, marked

SC
T29N R 8 E
S32 S33

1916

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

Land, broken.

Soil, rocky, 4th. rate.

No timber.

S. 89° 59' W., on the secant, thru. sec. 32.

Over rough broken mountainous land; ascending.

3.00

Wash, course SE.

12.00

Wash, course SE.

31.00

Spur, projecting S., 500 ft. above sec. cor. Descend 120 ft.

36.00

Gulch, course S.

40.00

S. 1 lk. from the secant,

4. 7th. Standard Parallel North, thru, Range 8 East.

Chains

Set an iron post, 3 ft. long, 1 in. in diam., in a mound of stone, for standard $\frac{1}{4}$ sec. cor., with brass cap, marked

S C
1S 32
1916

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

42.00 Gulch, course SE.

50.00 Gulch, course SE. Ascend 525 ft. to

72.00 Gulch, course SE. Ascend 200 ft.

76.90 Spur, projecting SE. Descend 55 ft.

80.00 Set an iron post, 3 ft. long, 3 ins. diam., in a mound of stone, for standard cor. of secs. 31 and 32, with brass cap, marked

S C
T29N R8E
S31 | S32
1916

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

Land, rough, and mountainous.

Soil, rocky, 4th rate.

No timber.

s. 89° 59' W., on the secant, S. of sec. 31.

Over rough and mountainous land; ascend 240 ft,

7.90 Spur, projecting SE. Descend 90 ft.

14.00 Foot of descent.

16.40 Wash, course SE. Ascend 225 ft.

40.00 North 2 lks. from the secant,

Set an iron post, 3 ft. long, 1 in. in diam., in a mound of stone, for standard $\frac{1}{4}$ sec. cor., with brass cap, marked

S C.
1S 31
1916

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

48.00 Wash, course SE.

55.00 Gulch, course SE., 140 ft. below standard $\frac{1}{4}$ sec. cor. Ascend 90 ft.

61.00 Summit of ascent.

69.50 Descend 90 ft.

78.00 Wash, course S.

80.00 N. 4 lks. from the secant

Set an iron post, 3 ft. long, 3 ins. in diam., in a mound of stone, for standard cor. of Ts. 29 N., Rs. 7 and 8 E., with brass cap, marked,

S C
T29N
R7E | R8E
S36 | S31
1916

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. This cor. changed by Thomas B. Matthews, U.S.S. to read:

S C
T29N
R8E
S31
1916

and mound of stone moved to NE. of cor., thus changing designation of cor. to std. cor. of T. 29, N., R. 9 E. only.

Land, rough, mountainous.

Soil, rocky, 4th rate.

No timber.

Survey of Subdivision of T. 28 N., R. 8 E.

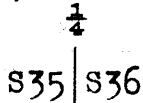
Chains

The mean bearing of the E. bdy. of this township is N.0°07'E. Therefore the meridional subdivision lines were run parallel to this bearing.

Beginning at the cor. of secs. 1, 2, 35 and 36, on S. bdy. of Tp., described in book F:

Thence N.0°06'E., bet. secs. 35 and 36, over rolling land.

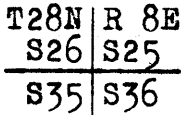
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec.cor., with brass cap, marked



1916 dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of cor.

74.60 Road bears NE. and SW.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 25, 26, 35 and 36, with brass cap, marked



1916 and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

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

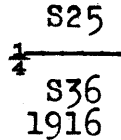
East, on a random line, bet. secs. 25 and 36,

40.00 Set temp. 1/4 sec. cor.

80.04 Intersect E. bdy. of Tp. (2nd G. M. E.) 7 lks. N. of the cor. of secs. 25, 30, 31 and 36, which is a stone, firmly set, mkd. & witnessed as described by surveyor general.

Thence N.89°57'W., on a true line, bet. secs. 25 and 36, over rolling land.

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



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

55.00 Wash, course NE.

70.00 Road bears NE. and SW.

77.00 Road bears NE. and SW.

80.04 The cor. of secs. 25, 26, 35 and 36.

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

N.0°06'E., bet. secs. 25 and 26, over rolling land.

.50 Road bears E. and W.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., with brass cap, marked

Chains

1/4

S26 | S25

1916

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

- 49.00 Top of knoll.
- 62.00 Wash, course NE.
- 70.70 Small knoll.
- 79.00 Wash, course NE.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., in a mound of stone, for cor. of secs. 23, 24, 25 and 26, with brass cap, marked

T28N | R 8E

S23 | S24

S26 | S25

1916

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

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

East, on a random line, bet. secs. 24 and 25.

- 40.00 Set temp. 1/4 sec. cor.
- 80.10 Intersect E. bdy. of Tp. (2nd G. M. E.) 8 lks. N. of the cor. of secs. 19, 24, 25 and 30, which is a stone, firmly set, mkd. & witnessed, as described by surveyor general. Thence N. 89° 57' W., on a true line, bet. secs. 24 and 25, over rolling land.

- 30.00 Wash, course NE.
- 40.05 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., with brass cap, marked

S24

1/4

S25

1916

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

- 56.00 Wash, course N.
- 65.00 Wash, course NE.
- 75.00 Wash, course NE.
- 80.10 The cor. of secs. 23, 24, 25 and 26.

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

N. 0° 06' E., bet. secs. 23 and 24, over rolling land.

- 2.00 Wash, course E.
- 6.00 Ridge bears E. and W.
- 13.00 Wash, course NE.
- 24.00 Wash, course NE.
- 34.00 Wash, course NE.
- 37.00 Wash, course NE.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for 1/4 sec. cor., with brass cap, marked

1/4

S23 | S24

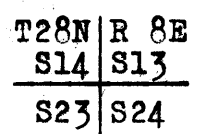
1916

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

Subdivision of T. 28 N., R. 8 E.

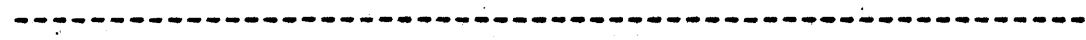
Chains

63.00 Wash, course NE.
 76.00 Wash, course NW.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., in a mound of stone, for cor. of secs. 13, 14, 23 and 24, with brass cap, marked



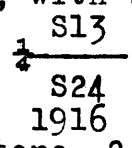
1916
 and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

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



40.00 East, on a random line, bet. secs. 13 and 24.
 Set temp. ¼ sec. cor.
 79.92 Intersect E. bdy. of Tp. (2nd G. M. E.) at the cor. of secs. 13, 18, 19 and 24, which is a stone, firmly set, marked & witnessed, as described by the surveyor general.
 Thence West, on a true line, bet. secs. 13 and 24, over rolling land.

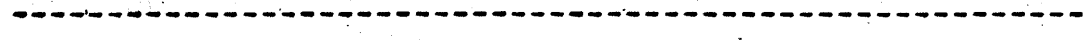
39.96 Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for ¼ sec. cor., with brass cap, marked



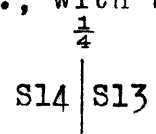
and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

44.90 Wash, course NE.
 79.92 The cor. of secs. 13, 14, 23 and 24.

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

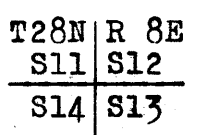


N.0°06'E., bet. secs. 13 and 14, over rolling land.
 24.00 Wash, course W.
 37.00 Wash, course NW.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for ¼ sec. cor., with brass cap, marked



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

62.00 Wash, course NE.
 65.00 Top of rise bears NE. and SW.
 69.00 Wash, course E.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 11, 12, 13 and 14, with brass cap, marked



1916
 and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

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

56

Chains

40.00 East, on a random line, bet. secs. 12 and 13.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.98 Intersect E. bdy. of Tp. (2nd G. M. E.) 23 lks. S. of the
 cor. of secs. 7, 12, 13 and 18, which is a stone firmly
 set, marked & witness as described by surveyor general.
 Thence S. $89^{\circ}50'W.$, on a true line, bet. secs. 12 and 13,
 over broken land.
 5.00 Wash, course NE.
 9.00 Wash, course NE.
 23.00 Wash, course NE.
 26.20 Desc. 200 ft., on steep W. slope.
 35.00 Ft. of slope.
 39.99 Set an iron post, 3 ft. long, 1 in. diam., in a mound of
 stone, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 S12
 $\frac{1}{4}$
 S13
 1916
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor.
 70.00 Wash, course NW.
 79.98 The cor. of secs. 11, 12, 13 and 14.
 Land, broken.
 Soil, rocky clay; 4th rate.
 No timber.

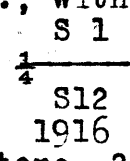
N. $0^{\circ}06'E.$, bet. secs. 11 and 12,
 over rolling land.
 13.00 Wash, course NE.
 35.00 Road bears NE. and SW. Asc. on SE. slope.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$
 S11 | S12
 1916
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.
 45.00 Summit of ascent, 115 ft. above ft. of slope, on SW. slope
 of butte. Thence along rocky W. slope.
 52.00 Desc. 90 ft., on N. slope.
 60.00 Ft. of descent bears E. and W.
 75.00 Desc. on NW. slope.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 1, 2, 11 and 12, with brass
 cap, marked
 T28N | R 8E
 S2 | S1
 S11 | S12
 1916
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.
 Land, rolling and mountainous.
 Soil, rocky and gravelly; 4th rate.
 No timber.

40.00 East, on a random line, bet. secs. 1 and 12,
 Set temp. $\frac{1}{4}$ sec. cor.
 79.78 Intersect E. bdy. of Tp. (2nd G. M. E.) 21 lks. S. of the
 cor. of secs. 1, 6, 7 and 12, which is a stone firmly set,
 marked & witnessed, as described by surveyor general.
 Thence S. $89^{\circ}51'W.$, on a true line, bet. secs. 1 and 12,
 over mountainous land. Asc. 90 ft., on E. slope.

Subdivision of T. 28 N., R. 8 E.

Chains

7.20 Spur, projecting N. Desc. 60 ft., on NW. slope.
 10.00 Head of gulch, course N.20°E. Asc. 60 ft., on E. slope.
 15.50 Spur projects N. Desc. 80 ft., on NW. slope.
 18.80 Wash, course NE. Thence over rolling land.
 20.00 Road bears NE. and SW.
 39.89 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

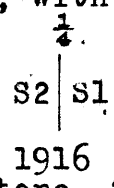


and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

44.80 Asc. 190 ft., over mountainous land, on E. slope.
 60.80 Summit of ascent, on S. side of butte, 1 chain from the top. Desc. 210 ft., on SW. slope.
 66.80 Ft. of slope. Thence over rolling land.
 79.78 The cor. of secs. 1, 2, 11 and 12.

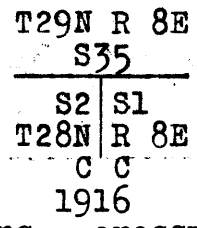
Land, rolling, and mountainous.
 Soil, rocky and sandy; 4th rate.
 No timber.

N.0°06'W., on a true line, bet. secs. 1 and 2, over rolling land.
 39.00 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., with brass cap, marked



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

60.00 Road bears NE. and SW.
 80.11 Intersect 7th St. Par. N. 16.40 chs. W. of the standard cor. of secs. 35 and 36, 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. 1 and 2, with brass cap, marked



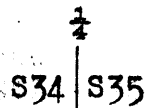
dig pits, 24x18x12 ins., crosswise on each line, E. and W. 3 ft., and S. of post 7 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, S. of cor.

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

From the cor. of secs. 2, 3, 34 and 35, on S. bdy. of Tp., described in book F;

N.0°06'E., bet. secs. 34 and 35, 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., with brass cap, marked

Chains



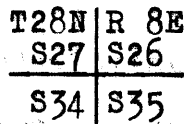
1916

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

43.20
80.00

Road bears NE. and SW.

Set an iron post, 3 ft. long, 2 ins. diam., in a mound of stone, for cor. of secs. 26, 27, 34 and 35, with brass cap, marked



1916

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

Land, rolling.

Soil, rocky clay; 4th rate.

No timber.

40.00
80.00

East, on a random line, bet. secs. 26 and 35.

Set temp. ¼ sec. cor.

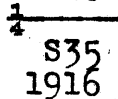
Intersect N. and S. line 19 lks. N. of the cor. of secs. 25, 26, 35 and 36.

40.00

Thence N.89°52'W., on a true line, bet. secs. 26 and 35, over rolling land.

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

S26



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

60.00

Road bears NW. and SE.

65.00

Wash, course NW.

71.00

Road bears NW. and SE.

80.00

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

Land, rolling.

Soil, rocky clay; 4th rate.

No timber.

10.00

N.0°06'E., bet. secs. 26 and 27, over rolling land.

Road bears NW. and SE.

18.00

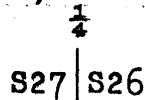
Reservoir, known as "Poverty Tank", about 5 chs long and 1½ chs. wide, bears W., about 3 chs. dist.

19.20

Road bears NW. and SE., in wash, course NW.

40.00

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



1916

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

77.50

Wash, course E.

80.00

Set an iron post, 3 ft. long, 2 ins. diam., in a mound of stone, for cor. of secs. 22, 23, 26 and 27, with brass cap, marked

Subdivision of T. 28 N., R. 8 E.

Chains

T28N	R 8E
S22	S23
S27	S26

1916

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

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

East, on a random line, bet. secs. 23 and 26.

40.00

Set temp. 1/4 sec. cor.

79.90

Intersect the corner of secs. 23, 24, 25 and 26.

Thence West, on a true line, bet. secs. 23 and 26, over rolling and broken land.

10.90

Road bears NE. and SW.

26.90

Wash, course NE.

35.90

Wash, course N.

39.95

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

S23

1/4

S26

1916

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

54.90

Wash, course SE.

72.40

Wash, course SE.

79.90

The cor. of secs. 22, 23, 26 and 27.

Land, rough mountainous.
Soil, rocky clay; 4th rate.
No timber.

N.0°06'E., bet. secs. 22 and 23, over rolling land.

40.00

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., with brass cap, marked

1/4

S22	S23
-----	-----

1916

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

56.50

Wash, course E.

70.00

Asc. on S. slope.

73.00

Spur projects W. Desc on N. slope.

76.00

Ft. of descent. Asc. on SW. slope.

80.00

On W. slope of red butte

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 14, 15, 22 and 23, with brass cap, marked

T28N	R 8E
S15	S14
S22	S23

1916

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

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

Chains

East, on a random line, bet. secs. 14 and 23.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.10 Intersect N. and S. line 9 lks. S. of the cor. of secs.
 13, 14, 23 and 24.

Thence S. $89^{\circ}56'W.$, on a true line, bet. secs. 14 and 23,
 over broken land.

6.00 Wash, course NW.
 23.00 Wash, course NW.
 27.00 Wash, course N.
 40.05 Set an iron post, 3 ft. long, 1 in. diam., in a mound of
 stone, for $\frac{1}{4}$ sec. cor., with brass cap, marked

$\frac{1}{4}$
 S14
 1916

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

53.00 Wash, course NE.
 70.00 Ridge bears NW. and SE.
 80.10 The cor. of secs. 14, 15, 22 and 23.

Land, broken.
 Soil, rocky clay; 4th rate.
 No timber.

N. $0^{\circ}06'E.$, bet. secs. 14 and 15,
 Over rolling, & mountainous land, descending on NW. slope
 of butte.

5.00 ft. of slope.
 23.50 Wash, 2 chs. wide, 15 ft. deep, course E. Asc. on S. slope.
 27.30 Summit of ascent. Desc. on N. slope.
 32.00 Wash, course E. Asc. on S. slope.
 37.00 Summit of ascent. Desc. on N. slope.
 40.00 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

$\frac{1}{4}$
 S15 | S14
 1916

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

45.40 Rocky wash, course NE.
 55.00 Asc. on S. slope.
 58.50 Summit of ascent bears E. and W. Thence over rolling land.
 77.80 Desc. on N. slope.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 10, 11, 14 and 15 marked on brass
 cap.

T28N | R 8E
 S10 | S11
 S15 | S14
 1916

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

Land, rolling mountainous, rolling and broken.
 Soil, rocky; 4th rate.
 No timber.

East, on a random line, bet. secs. 11 and 14.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.04 Intersect the corner of sections 11, 12, 13 and 14. 12,
 13 and 14.

Chains

Thence
 West on a true line bet. secs. 11 and 14.
 Over rolling and mountainous land.
 Road brs. N. and S.
 Foot of slope brs. N. and S. Asc. E. slope, to
 Desc. W. slope.
 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

2.00
 20.00
 25.00
 40.02

$\frac{1}{4}$ S 11
 $\frac{1}{4}$ S 14
 1916

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

44.00 Wash, course N. Asc. gradual slope to
 72.70 Top of ascent. Desc. W. slope to
 75.00 Over rolling land to
 80.04 The cor. of secs. 10, 11, 14 and 15.
 Land, rolling and mountainous.
 Soil, rocky, and gravelly, 4th rate.
 No timber.

N. 0° 6' E. bet. secs. 10 and 11.
 Over rolling and mountainous land.
 Road brs. NE. and SW.
 Wash, course NE. Asc. to
 Ridge brs. E. and W. Desc. to
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for P sec cor., mkd. on brass cap

15.70
 25.00
 31.00
 40.00

$\frac{1}{4}$
 S10 | S11
 1916

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

Desc. NW. slope.
 65.00 Wash, course NE.
 70.00 Asc. S. slope.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
 the ground, for cor. of secs. 2, 3, 10 and 11, mkd.
 on brass cap

T28N R8 E
 S 3 | S 2
 S10 | S11
 1916

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

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

East on a random line bet. secs. 2 and 11.
 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line, 7 lks. N. of cor. of secs.
 1, 2, 11 and 12.

40.00
 80.10

Thence
 N. 89° 57' W. on a true line bet. secs. 2 and 11.
 Over rolling and mountainous land.
 16.10 Wash, course NE.

14

Subdivision of T. 28 N., R. 8 E.

Chains

40.05 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 2
11
1916

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

65.00 Wash, course SE.

72.20 Small red butte.

80.10 The cor. of secs. 2, 3, 10 and 11.

Land rolling and mountainous.

Soil, rocky and sandy, 4th rate.

No timber.

N. 0° 6' E. on a true line bet. secs. 2 and 3.

Over rolling land.

32.00 Wash, course E.

38.00 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

$\frac{1}{4}$ S 3
S 2
1916

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

55.00 Wash, course SE.

75.00 Wash, course SE.

79.00 Wash, course SE.

79.76 Intersect the 7th standard parallel N., 16.36 chs. west of the standard cor. of secs. 34 and 35, hereinbefore described. At point of intersection,

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

T29N R 8E
S34
S3 | S2
T28N R8 E
C C
1916

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

Land, rolling.

Soil, rocky clay, 4th rate.

No timber.

From the cor. of secs. 3, 4, 33 and 34, on s. bdy. of the Tp., described in book "F"

N. 0° 5' E. bet. secs. 33 and 34.

Over rolling mountainous land.

28.00 Road brs. SE. and NW.

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 | S34
1916

Subdivision of T. 28 N., R. 8 E.

Chains

and raise a mound of stone, 2 ft. base, 1½ ft. high,
W. of cor.
70.00 Wash, course NW..
78.40 S. edge of canyon course E.. Desc. 34 ft. to
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
ground, for cor. of secs. 27, 28, 33 and 34, mkd. on
brass cap

T28N R8 E
S28|S27
S33|S34
1916

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

40.00 East on a random line bet. secs. 27 and 34.
Set temp. ¼ sec. cor.
79.98 Intersect N. and S. line, 14 lks. N. of the cor. of secs.
26, 27, 34 and 35.
Thence
N. 89° 54' W. on a true line bet. secs. 27 and 34.
Over rolling land.
39.99 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
the ground, for ¼ sec. cor., mkd. on brass cap

S 27
1/4 S 34
1916

and raise a mound of stone, 2 ft. base, 1½ ft. high,
N. of cor.
46.00 Road brs. N. and S.
79.98 The cor. of secs. 27, 28, 33 and 34.
Land, rolling.
Soil, rocky clay, 4th rate.
No timber.

N. 0° 5' E. bet. secs. 27 and 28.
Over rolling land.
.75 Canyon course E. Asc. Se. slope 18 ft. to
2.70 Top of ascent brs. N. 80° E. and S. 80° W.
Thence 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

S28|S27
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. 21, 22, 27 and 28, mkd.
on brass cap

T28N R 8E
S21|S22
S28|S27
1916

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

Chains

Land, rolling.
Soil, rocky, 4th rate.
Timber, none.

40.00 East on a random line bet. secs. 22 and 27.
Set temp. $\frac{1}{4}$ sec. cor.
80.12 Intersect N. and S. line, 7 lks. N. of the cor. of secs.
22, 23, 26 and 27.

Thence
N. $89^{\circ} 57'$ W. on a true line, bet. secs. 22 and 27.
Over rolling land.
40.06 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

$\frac{1}{4}$ S22
 $\frac{1}{4}$ S27
1916

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

42.80 Road brs. NW. and SE.
52.10 Wash, course NW. Asc. NE. slope, 25 ft. to

57.70 Thence over rolling land.
80.12 The cor. of secs. 21, 22, 27 and 28.

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

40.00 N. $0^{\circ} 5'$ E. bet. secs. 21 and 22.
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

$\frac{1}{4}$
S21 | S22
1916

54.00 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
W. of cor.
Desc. along gradual NE. slope.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
the ground, for, cor. of secs. 15, 16, 21 and 22, mkd.
on brass cap

T28N R 8E
S16 | S15
S21 | S22
1916

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

40.00 East on a random line bet. secs. 15 and 22.
Set temp. $\frac{1}{4}$ sec. cor.
80.10 Intersect N. and S. line, 12 lks. N. of cor. of secs.
14, 15, 22 and 23.

Thence
N. $89^{\circ} 55'$ W. on a true line bet. secs. 15 and 22.
Over rolling land.
Asc. gradual slope, 23 ft. to

Chains

5.00 Desc. gradual slope to
 18.10 Box canyon, 2 chs. wide, 40 ft. deep, course NE.
 Thence over rolling land.
 40.05 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

S 15
~~48 22~~
 1916

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor.
 55.60 Road brs. NE. and SW.
 Asc. gradual slope to
 60.10 Top of small red butte. Desc. 29 ft. to
 65.10 Thence over rolling land.
 78.60 Road brs. NW. and SE.
 80.10 The cor. of secs. 15, 16, 21 and 22.
 Land, rolling.
 Soil, sandy and rocky, 4th rate.
 No timber.

N. $0^{\circ} 5'$ E. bet. secs. 15 and 16.
 Over rolling land.
 4.30 Road brs. NW. and SE.
 25.00 Asc. gradual rolling slope, 46 ft. to
 40.00 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

$\frac{1}{4}$
 S16 | S15
 1916

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.
 Asc. to
 41.00 Ridge brs. NE. and SW. Desc. 78 ft. to
 53.50 Road brs. NE. and SW.
 55.00 Wash, course NE.
 75.00 Asc. 40 ft. to
 77.90 Spur slopes E. Desc. 23 ft. to
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
 a mound of stone, for cor. of secs. 9, 10, 15 and 16,
 mkd. on brass cap

T28N R 8E
 S 9 | S10
 S16 | S15
 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.

East on a random line bet. secs. 10 and 15.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.20 Intersect N. and S. line, 12 lks. N. of cor. of secs. 10,
 11, 14 and 15.
 Thence
 N. $89^{\circ} 55'$ W. on a true line, bet. secs. 10 and 15.
 Over rolling and hilly land.
 Asc. gradual slope to
 6.70 Rocky spur slopes N. Desc. 49 ft. to
 21.20 Wash, course NE.

Chains

Thence over rolling land.
 22.40 Road brs. NE. and SW.
 40.10 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

S 10
~~S 15~~
 1916

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
 Asc. gradual slope to
 41.60 Desc. 20 ft. to
 55.20 Asc. NE. slope, 34 ft. to
 61.40 Top of red butte on N. side. Desc. NW. slope of butte 44 ft. to
 70.20 Asc. gradual NE. slope, 23 ft. to
 80.20 The cor. of secs. 9, 10, 15 and 16.
 Land, rolling and hilly.
 Soil, sandy, rocky, 4th rate.
 No timber.

N. $0^{\circ} 5'$ E. bet. secs. 9 and 10.
 Over rolling and hilly land.
 81.00 Wash, course E. Asc. 42 ft. to
 16.00 Butte. Desc. 46 ft. to
 25.00 Wash, course NE.
 29.00 Wash, course SE.
 31.00 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, mkd. on brass cap

S 9 | S 10
 1916

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 67.00 Wash, course E.
 70.00 Wash, course SE.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in a mound of stone, for cor. of secs. 3, 4, 9 and 10, mkd. on brass cap

T28N R 8E
 S 4 | S 3
 S 9 | S 10
 1916

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

East on a random line bet. secs. 3 and 10.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.,
 80.28 Intersect N. and S. line, 18 lks. N. of cor. of secs. 2, 3, 10 and 11.
 Thence
 N. $89^{\circ} 52'$ W. on a true line bet. secs. 3 and 10.
 Over rolling land.
 40.14 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

Chains

S 3
S 10
1916

80.28 and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,
N. of cor.
The cor. of secs. 3, 4, 9 and 10.
Land, rolling.
Soil, untillable rocky clay, 4th rate.
No timber.

35.00 N. 0° 5' E. on a true line bet. secs. 3 and 4.
Over rolling land,
Asc. SW. slope, 23 ft. 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

S 4 | S 3
1916

42.40 and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,
W. of cor.
45.00 Desc. NW. slope, 42 ft. to
48.00 Foot of descent.
54.00 Wash, course NE.
75.00 Wash, course E.
79.44 Wash, course SE.
Intersect seventh standard parallel N., 16.70 chs. W. of the
std. cor. of secs. 33 and 34 hereinbefore described.
At the point of intersection,
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
ground, for closing cor. of secs. 3 and 4, mkd. on
brass cap

T29NR8E
S33
S 4 | S 3
T28NR8E
C C
1916

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

7.40 From the cor. of secs. 4, 5, 32 and 33, on S. bdy. of Tp.,
described in book "F",
11.70 N. 0° 4' E. bet. secs. 32 and 33.
13.20 Over rolling land.
40.00 Desc. N. slope, 42 ft. to
Canyon, course E. Asc. S. slope, 15 ft. to
Top of asc. Thence 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

S 32 | S 33
1916

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

120

Subdivision of T. 28 N., R. 8 E.

Chains
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

T28N R 8E
S29|S28
S32|S33
1916

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

40.00
79.88

East on a random line bet. secs. 28 and 33.
Set temp. ¼ sec. cor.
Intersect N. and S. line, 16 lks. S. of cor. of secs. 27, 28, 33 and 34.

Thence
S. 89° 53' W. on a true line bet. secs. 28 and 33.
Over rolling land.

2.40
18.60
21.20
39.94

Canyon course NE. Asc. SE. slope to
Top of ascent. Desc. SW. slope, 51 ft. to
Wash, course SE. Thence 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

1S 28
4S 33
1916

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

64.50
79.88

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

11.00
40.00

N. 0° 4' E. bet. secs. 28 and 29.
Over rolling land.
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

1
S29|S28
1916

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

53.70

Desc. 110 ft. to
Box canyon, 4 chs. wide, course NE. Asc. S. slope, 91 ft. to

58.00
65.50

Spur slopes SE. Top of asc. Desc. NE. slope, 57 ft. to
Canyon, course SE. Foot of desc. Asc. S. slope, 74 ft. to

70.00
80.00

Top of asc. brs. E. and W. Thence over rolling land.
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 20, 21, 28 and 29, mkd. on brass cap

T28N R 8E
S20|S21
S29|S28
1916

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

Subdivision of T. 28 N., R. 8 E.

Chains

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

40.00 East on a random line bet. secs. 21 and 28.
79.68 Set temp. $\frac{1}{4}$ sec. cor.
Intersect the S. line, at cor. of secs. 21, 22, 27 and 28.

Thence
12.68 West on a true line bet. secs. 21 and 28.
39.84 Over rolling land.
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 21
 $\frac{1}{4}$ S 28
1916

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

63.68 Asc. gradual slope.
65.48 Top of ascent brs. N. and S. Desc. gradual slope to
Box canyon, 5 chs. wide, course N. Asc. E slope over cliffs, 123 ft. to

68.98 Thence over rolling land to
79.68 The cor. of secs. 20, 21, 28 and 29.
Land, rolling & mountainous.
Soil, rocky, 4th rate.
No timber.

40.00 N. $0^{\circ} 4'$ E. bet. secs. 20 and 21.
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

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

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

51.00 Road brs. NE. and SW. Desc. gradual slope to
55.00 Wash, course NE.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 16, 17, 20 and 21, mkd. on brass cap

T28N R 8E
S17 | S16
S20 | S21
1916

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

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

220

Subdivision of T. 28 N., R. 8 E.

Chains

40.00 East on a random line bet. secs. 16 and 21.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.64 Intersect N. and S. line, 5 lks. N. of cor. of secs. 15,
 16, 21 and 22.
 Thence
 N. $89^{\circ} 58'$ W. on a true line bet. secs. 16 and 21.
 Over rolling land.
 Asc. 69 ft. to
 5.00 Thence over rolling land to
 39.82 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 16
 $\frac{1}{4}$ S 21
 1916

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

N. $0^{\circ} 4'$ E. bet. secs. 16 and 17.
 Over rolling land.
 11.00 Canyon, course NE.
 15.00 Canyon, course NE.
 19.60 Canyon, course SE.
 32.50 Canyon course, NE.
 39.50 Wash, course E.
 40.00 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

$\frac{1}{4}$
 S17 | S16
 1916

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.
 68.00 Wash, course E.
 76.50 Wash, course NE.
 Desc. gradual slope to
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
 the ground, for cor. of secs. 8, 9, 16 and 17, mkd.
 on brass cap

T28N R 8E
 S 8 | S 9
 S17 | S16
 1916

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

40.00 East on a random line bet. secs. 9 and 16.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.76 Intersect N. and S. line, 4 lks. N. of cor. of secs. 9,
 10, 15 and 16.
 Thence
 N. $89^{\circ} 58'$ W. on a true line bet. secs. 9 and 16.
 Over rolling land.

Chains
39.88

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 9
 $\frac{1}{4}$ S 16
1916

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

67.76
76.76
79.76

Wash, course NE.
Wash, course NE.
The cor. of secs. 8, 9, 16 and 17.
Land, rolling.
Soil, untillable rocky clay, 4th rate.
No timber.

N. $0^{\circ} 4'$ E. bet. secs. 8 and 9.
Over rolling land.

6.50
10.50
20.00
40.00

Wash, course NE.
Road brs. NW. and 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

$\frac{1}{4}$ S 8
 $\frac{1}{4}$ S 9
1916

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

61.00
72.00
80.00

Wash, course SE. Asc. broken S. slope 71 ft. to Top of red butte. Desc. NE. slope, 63 ft. to Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs, 4, 5, 8 and 9, mkd. on brass cap

T28N R 8E
S 5 | S 4
S 8 | S 9
1916

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

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

40.00
79.70

East on a random line bet. secs. 4 and 9.
Set temp. $\frac{1}{4}$ sec. cor.
Intersect N. and S. line, 5 lks. N. of cor. of secs. 3, 4, 9 and 10.

Thence N. $89^{\circ} 58'$ W. on a true line bet. secs. 4 and 9.

21.80
28.90
39.85

Over rolling land,
Road brs. NE. and SW. Asc. gradual slope, 30 ft. to Spur slopes SE. Desc. gradual slope to 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 4
 $\frac{1}{4}$ S 9
1916

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

2422

Subdivision of T. 28 N. R. 8 E.

Chains

79.70 The cor. of secs. 4, 5, 8 and 9.
Land rolling.
Soil, sandy and rocky, 4th rate,
No timber.

11.00 N. 0° 4' E. on a true line bet. secs. 4 and 5.
Over rolling land.
Wash, course, E.
21.00 Wash, course E.
31.00 Wash, course SE.
36.00 Wash, course SE. Asc. 130 ft. to
39.50 Top of red sand stone cliff. Thence over rolling land.
40.00 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 5 | S 4
1916

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,
W. of cor.
44.00 Wash, course E.
50.00 Desc. 45 ft. to
55.00 Wash, course E.
62.50 Wash, course E.
70.00 Wash, course SE. Asc. 161 ft. to
79.23 Intersect seventh standard parallel N., 16.38 chs. W. of
the standard cor. of secs. 32 and 33, hereinafter
described.

At the point of intersection,
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in a
mound of stone, for closing cor. of secs. 4 and 5,
mkd. on brass cap

T29N R 8E
S32
S 5 | S 4
T28N R 8E
C C
1916

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

From the cor. of secs. 5, 6, 31 and 32, S. bdy. of Tp.,
described in book "F",
N. 0° 4' E. bet. secs. 31 and 32.
Over rolling land.
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
S31 | S32
1916

80.00 and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,
W. of cor.
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in a
mound of stone, for cor. of secs. 29, 30, 31 and 32,
mkd. on brass cap

Subdivision of T. 28 N., R. 8 E.

25

Chains

T28N R 8E
S30|S29
S31|S32
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 East on a random line bet. secs. 29 and 32.
80.00 Set temp. ¼ sec. cor.
Intersect N. and S. line, 4 lks. N. of cor. of secs.
28, 29, 32 and 33.

Thence
N. 89° 58' W. on a true line bet. secs. 29 and 32.
Over rolling land.
40.00 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

1S 29
4S 32
1916

80.00 and raise a mound of stone, 2 ft. base, 1½ ft. high,
N. of cor.
The cor. of secs. 29, 30, 31 and 32.
Land, rolling.
Soil, untillable, rocky clay, 4th rate.
No timber.

40.00 West on a random line bet. secs. 30 and 31.
79.38 Set temp. ¼ sec. cor.
Intersect W. bdy. of Tp., 12 lks. N. of cor. of secs.
30 and 31, described in book "J".

Thence
N. 89° 55' E. on a true line bet. secs. 30 and 31.
Over rolling land.
38.38 Wash, course N.
39.38 Set an iron post, 3 ft. long, 1 in. diam., 26 ins a mound
of stone, for ¼ sec. cor., mkd. on brass cap

1S 30
4S 31
1916

79.38 and raise a mound of stone, 2 ft. base, 1½ ft. high,
N. of cor.
The cor. of secs. 29, 30, 31 and 32.
Land, rolling.
Soil, untillable, rocky clay, 4th rate.
No timber.

10.00 N. 0° 4' E. bet. secs. 29 and 30.
Over rolling land.
15.00 Desc. 88 ft. to
19.00 Wash, course E.
Road brs. SE. and NW.

26

Subdivision of T. 28 N., R. 8 E.

Chains

Asc. 98 ft. to
 30.00 Thence over rolling land.
 37.50 Road brs. SE. and NW.
 40.00 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

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

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

59.00 Wash, course E.
 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

T28N R 8E
 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.
 Soil, untillable, rocky clay, 4th rate.
 No timber.

40.00 East on a random line bet. secs. 20 and 29.
 79.80 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line, 2 lks. S. of cor. of secs. 20, 21, 28 and 29.

Thence
 S. 89° 59' W. on a true line bet. secs. 20 and 29.
 Over rolling land.

39.90 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. 20
 S 29
 1916

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

61.20 Asc. 42 ft. to
 64.80 Over rolling slope to
 69.80 Wash, course SE. Asc. 52 ft. to
 79.80 The cor. of secs. 19, 20, 29 and 30.
 Land, rolling and hilly.
 Soil, untillable, rocky clay, 4th rate.
 No timber.

40.00 West on a random line bet. secs. 19 and 30.
 79.60 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect W. bdy. of Tp., 10 lks. N. of cor. of secs. 19 and 30, described in book "J".

Thence
 N. 89° 56' E. on a true line bet. secs. 19 and 30.
 Over rolling and hilly land.

9.60 Wash, course SE.
 17.60 Wash, course NE.
 39.60 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

Chains

S 19
1/4 S 30
1916

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

37.40 N. 0° 4' E. bet. secs. 19 and 20.
40.00 Over rolling and hilly land.
Road brs. E. and W.
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

S 19 | S 20
1916

80.00 and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,
W. of cor.
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in a
mound of stone, for cor. of secs. 17, 18, 19 and 20,
mkd. on brass cap

T28 N R 8E
S 18 | S 17
S 19 | S 20
1916

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

40.00 East on a random line bet. secs. 17 and 20.
79.82 Set temp. 1/4 sec. cor.
Intersect N. and S. line, 12 lks. S. of cor. of secs. 16,
17, 20 and 21.

11.82 Thence
39.91 S. 89° 55' W. on a true line bet. secs. 17 and 20.
Over rolling land.
Wash, course N.
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

S 17
1/4 S 20
1916

79.82 and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,
N. of cor.
The cor. of secs. 17, 18, 19 and 20.
Land, rolling.
Soil, untillable, rocky, 4th rate.
No timber.

28

Subdivision of T. 28 N. R. 8 E.

Chains

West on a random line bet. secs. 18 and 19.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.70 Intersect W. bdy. of Tp., 4 lks. N. of cor. of secs.
 18 and 19, described in book "J".
 Thence
 N. $89^{\circ} 58'$ E. on a true line bet. secs. 18 and 19.
 Over rolling land.
 25.70 Wash, course NE.
 39.70 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
 $\frac{1}{4}$ S 19
 1916

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor.
 54.70 Wash, course SE.
 72.70 Wash, course NE.
 79.70 The cor. of secs. 17, 18, 19 and 20.
 Land, rolling.
 Soil, untillable, rocky, clay, 4th rate.
 No timber.

N. $0^{\circ} 4'$ E. bet. secs. 17 and 18.
 Over rolling land.
 Desc. NW. slope, 32 ft. to
 10.00 Over rolling land to
 12.00 Wash, course NE.
 16.00 Wash, course SE. Asc. SW. slope, 45 ft. to
 20.00 Over rolling land to
 27.00 Desc. 90 ft. to
 37.00 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

S 18 | S 17
 1916

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.
 45.00 Asc. 44 ft. to
 48.00 Over rolling land to
 60.00 Desc. 81 ft. to
 71.50 Wash, course E.
 75.00 Asc. S. slope, 46 ft. to
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
 the ground, for cor. of secs. 7, 8, 17 and 18, mkd.
 on brass cap

T28N R 8E
 S 7 | S 8
 S 18 | S 17
 1916

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

East on a random line bet. secs. 8 and 17.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.78 Intersect N. and S. line, 8 lks. S. of cor. of secs. 8, 9,
 16 and 17.

Chains

Thence
 S. 89° 57' W. on a true line bet. secs. 8 and 17.
 Over rolling and hilly land.
 Asc. 45 ft. to
 Thence over rolling slope.
 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

2.78
39.89

1/4 S 8
 1/4 S 17
 1916

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

70.28
79.78

Wash, course S.
 The cor. of secs. 7, 8, 17 and 18.
 Land, rolling.
 Soil, rocky, 4th rate.
 No timber.

West on a random line bet. secs. 7 and 18.
 Set temp. 1/4 sec. cor.
 Intersset W. bdy. of Tp., 8 lks. N. of cor. of secs. 7 and
 18, described in book "J".

40.00
79.80

Thence
 N. 89° 57' E. on a random line bet. secs. 7 and 18.
 Over rolling and hilly land.

10.00
15.00
28.00
32.40
36.00
39.80

Desc. 46 ft. to
 Wash, course NE. Asc. 41 ft. to
 Desc. 71 ft. to
 Canyon course SE. Asc. 51 ft. to
 Over rolling and hilly land to
 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 7
 1/4 S 18
 1916

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

55.00
60.00
61.40
79.80

Desc. 29 ft. to
 Wash, course S. Asc. 19 ft. to
 Over rolling land to
 The cor. of secs. 7, 8, 17 and 18.
 Land, rolling and hilly.
 Soil, untillable, rocky, 4th rate.
 No timber.

N. 0° 4' E. bet. secs. 7 and 8.
 Over rolling land.
 Wash, course NE.
 Wash, course SE.
 Wash, course NE.
 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

8.00
12.00
28.00
40.00

1/4 S 7
 1/4 S 8
 1916

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

40.50
53.00

Wash, course NE.
 Wash, course SE.

30

Subdivision of T. 26 N. R. 8 E.

Chains

67.00
77.00
80.00

Wash, course SE.
Wash, course SE.
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in a mound of stone, for cor. of secs. 5, 6, 7 and 8, mkd. on brass cap

T28N R 8E
S 6 | S 5
S 7 | S 8
1916

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

40.00
79.80

East on a random line bet. secs. 5 and 8.
Set temp. ¼ sec. cor.
Intersect N. and S. line, 10 lks. S. of cor. of secs. 4, 5, 8 and 9.

Thence
S. 89° 56' W. on a true line bet. secs. 5 and 8.
Over rolling land.

28.80
39.90

Wash, course SE.
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

S 5
¼ S 8
1916

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

47.30
61.80
79.80

Wash, course SE.
Wash, course SE. Asc. 81 ft. to
The cor. of secs. 5, 6, 7 and 8.
Land, rolling.
Soil, untillable, rocky clay, 4th rate.
No timber.

40.00
79.98

West on a random line bet secs. 6 and 7.
Set temp. ¼ sec. cor.
Intersect W. bdy. of Tpp, 7 lks. N. of the cor. of secs. 6 and 7, described in book "J".

Thence
N. 89° 57' E. on a true line bet. secs. 6 and 7.
Over mountainous land, through scattering timber.

15.00
23.60
26.60

Desc. NE. slope 254 ft. to
Leave timber. Canyon, course SE. Asc. SW. slope, 50 ft.
Spur slopes S. Desc. rocky SE. slope over broken cliffs, 231 ft. to

39.98

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

S 6
¼ S 7
1916

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

65.00
69.00
79.98

Desc. 556 ft. to
Asc. 37 ft. to
Desc. 178 ft. to
The cor. of secs. 5, 6, 7 and 8.

Chains

Land, rolling and mountainous.
Soil, rocky, 4th rate.
Timber, scattering scrub pine and juniper.

6.00 N. 0° 4'E. on a true line bet. secs. 5 and 6.
15.00 Over mountainous land.
40.00 Desc. 23 ft. to Wash, course SE. Asc. 30 ft. to Over rolling land to 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
S 6 | S 5
1916

42.00 and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,
70.00 W. of cor.
79.21 Desc. 21 ft. to Wash, course SE. Asc. 1113 ft. to Top of ridge brs. SE. and NW. Desc. 108 ft. into canyon. Intersect seventh standard parallel N., 16.40 chs. W. of the standard cor. of secs. 31 and 32 hereinbefore described. At the point of intersection, Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in a mound of stone, for closing cor. of secs. 5 and 6, mkd. on brass cap

T29N R8 E
S31
S 6 | S 5
T28N | R8 E
C C
1916

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

Boundaries of Township 28 North, Range 8 East.
Latitudes, departures, and closing errors.

Line designated.	True course.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
South boundary,	N. 89° 58' W.	479.18	.28			479.18
West boundary,	North,	479.22	479.22			
North boundary, (7th. Std. Par. N.)	East,	479.93			479.93	
East boundary, (2nd. Guide Mer. E.)	S. 0° 9' W.	119.71		119.71		.51
	S. 0° 8' W.	39.99		39.99		.09
	S. 0° 10' W.	39.86		39.86		.12
	S. 0° 12' W.	39.96		39.96		.14
	S. 0° 5' W.	119.95		119.95		.17
	S. 0° 4' W.	40.05		40.05		.05
	S. 0° 6' W.	40.00		40.00		.07
	S. 0° 5' W.	40.02		40.02		.06
Convergency,					.52	
	Totals,		479.50	479.54	480.45	480.19
				479.50	480.19	
	Error in latitude,			0.04		
	Error in departure,				0.26	

GENERAL DESCRIPTION.

This township consists of rolling bench land, except the NW. cor., which extends up onto Coconino Point. This part is very rough, mountainous land, traversed by deep canyons. The soil is very rocky, and unproductive. Grass is scant. The only water in the Tp. is found in Poverty Tank, in sec. 27.

Some scattering scrub timber grows on Coconino Point, but is of no value commercially.

There are no settlers. No indications of valuable mineral.

Township 28 North, Range 3 East.

DATE DIAGRAM.

5-10-16	5-10-16	5-10-16	5-6-16	5-6-16	5-6-16	5-6-16
	7th.	Standard	Parallel	North		
5-10-16	5-10-16	5-9-16	5-9-16	5-8-16	5-5-16	5-3-16
6	5	4	3	2	1	
5-10-16	5-9-16	5-9-16	5-8-16	5-5-16	5-5-16	5-3-16
7	8	9	10	11	12	
5-9-16	5-9-16	5-8-16	5-9-16	5-4-16	5-4-16	5-3-16
8	17	16	15	14	13	
5-9-16	5-8-16	5-5-16	5-5-16	5-4-16	5-4-16	5-3-16
9	20	21	22	23	24	
5-8-16	5-5-16	5-5-16	5-4-16	5-4-16	5-3-16	5-3-16
30	29	28	27	26	25	
5-5-16	5-5-16	5-4-16	5-3-16	5-3-16	5-3-16	5-3-16
31	32	33	34	35	36	
5-5-16	5-4-16	5-3-16	5-3-16	5-3-16	5-3-16	5-3-16
4-28-16	3-17-16	3-17-16	3-17-16	3-17-16	3-17-16	3-17-16

East
Meridian
Refracted
2nd
Guide

Lines run by Surveyor Johnston on dates shown above.

" " " Transitman Inch " " " "

BOOK 3270

4-680

FIELD ASSISTANTS. to

Philip L. Inch, U. S. Transitman.

NAMES.	CAPACITY.
Ernest C. Johnston,	1st chainman,
Neil O'Connell,	Flagman,
Jack Dalton,	Axman,
J. R. Smith,	Moundman,
Theodore VanderMeer,	2nd chainman,

TRANSITMAN.
CERTIFICATE OF UNITED STATES SURVEYOR.

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~~ ^{retraced} all those parts or portions of the 7th Standard Parallel North, Range 8 East, and surveyed all those parts or portions of the 7th Standard Parallel North in Range 8 East, and Subdivision lines of

TOWNSHIP 28 NORTH, RANGE 8 EAST,

of the Gila and Salt River Base and Meridian, in the State of Arizona, which are represented in and by diagram on page 32 hereof the foregoing field notes, as having been executed by me, and under my direction; and that all the corners of retracement and 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 retracement 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~~ **retraced** all those parts or portions of the 2nd Guide Meridian East, through Township 28 North, and surveyed all those parts or portions of the Subdivision lines of

TOWNSHIP 28 NORTH, RANGE 8 EAST,

of the Gila and Salt River Base & Meridian, in the State of Arizona, which are represented in and by diagram on page 32 hereof the foregoing field notes, as having been executed by me, and under my direction; and that all the corners of retracement and 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 **retracement & 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~~ **the retracement of the** 2nd Guide Meridian East, through Township 28 North, and 7th. Standard Parallel North in R. 8 E., and of the survey of the 7th. Standard, Parallel North, thru part of Range 8 East, and the Subdivision lines of

TOWNSHIP 28 NORTH, RANGE 8 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., 191, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the **retracements & surveys** they describe, are hereby approved.

Frank D. Frost
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.~~