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Book "A"

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→ 1892 ←

BOOK 1892

# FIELD NOTES

OF THE SURVEY OF THE

subdivision lines of Tp. 20 S. Rg. 22 E.

and

Resurvey of the Fourth Standard Parallel South  
through Range 22 East

and

part of the North Boundary  
of  
T20S. R22E.

1892

Of the Gila and Salt River Meridian,  
Territory of Arizona.

AS SURVEYED BY

John W. Hesse, United States Deputy Surveyor

Under Contract No. 125, dated January 24th, 1905

Work commenced May 5, 1905

Work completed May 19, 1905

4A

BOOK 1892

NAMES AND DUTIES OF ASSISTANTS.

W. W. Oliver	Chairman
B. M. Hyde	Chairman.
Juan I' Nunez.	Moundman.
L. G. Smith	Flagman.

BOOK 1892

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PRELIMINARY OATHS OF ASSISTANTS.

BOOK 1892

IC

WE, W. W. Oliver and B. M. Hyde

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the subdivisional lines of Tp. 20 S. Rg. 22 E.

W. W. Oliver, Chainman.

B. M. Hyde, Chainman.

Subscribed and sworn to before me this 7 th. }  
day of April, 1905



John P. Hesse

U.S. Deputy Surveyor

WE, Juan I. Nunez and

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of the subdivisional lines of Tp. 20 S., R. 22, E.

Juan I. Nunez, Moundman.

Moundman.

Subscribed and sworn to before me this 7th. }  
day of April, 1905



John P. Hesse

U.S. Deputy Surveyor.

WE, \_\_\_\_\_ and \_\_\_\_\_

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of \_\_\_\_\_

Axman.

Axman.

Subscribed and sworn to before me this \_\_\_\_\_ }  
day of \_\_\_\_\_, 190 \_\_\_\_\_



I, L. G. Smith, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of the subdivisional lines of Tp. 20 S., Rg. 22 E.

L. G. Smith, Flagman.

Subscribed and sworn to before me this 7 th. }  
day of April, 1905



John P. Hesse

U.S. Deputy Surveyor.



## Resurvey of the Fourth Standard Parallel South through R. 22 E.

Chains.

Survey commenced May 5, 1905 and executed with a Young and Sons light mountain transit, No 7532, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc, which is also the least count of the verniers of the latitude and decl. arcs.

The instrument was examined, tested on the true meridian at Phoenix, found correct, and was approved by the surveyor general for Arizona

I examine the adjustments of the transit, and find them correct, then, to test the solar apparatus, by comparing its indications, resulting from solar observations made during a. m. and p. m. hours, with a meridian determined by observations on Polaris, I proceed as follows:

At the Standard cor. of Tps. 20 S. Rgs. 22 and 23 E. latitude  $31^{\circ} 38' 10''$  N., longitude  $110^{\circ} 03' 13''$  W.; at 4h. 24.68m. a.m. by my watch, which has correct l.m.t., I observe Polaris at eastern elongation, in accordance with Manual of Instructions, and mark a point in the line thus determined, on a peg driven in the ground, 5 chs. N. of my station.

At 7h. 00' a. m. l.m.t., I lay off the azimuth of Polaris,  $1^{\circ} 24.5'$  to the west, and mark the meridian thus determined, by cutting a small groove in a stone set firmly in the ground 5 chs. N. of my station.

At 8h. 00m. a.m. l.m.t., I set off  $31^{\circ} 38' N$  on the lat. arc;  $16^{\circ} 18' 1/2' N$  on the decl. arc; and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs. N. of my station; this mark coincides with the meridian established by the Polaris observation.

The magnetic bearing of the true meridian, at 8h. 30m. a. m., is N.  $12^{\circ} 40' W.$ ; the angle thus determined gives the mag. decl.  $12^{\circ} 40' E.$

At 3h. 00m. p.m. l.m.t., I set off  $31^{\circ} 38' N.$  on the lat. arc;  $16^{\circ} 28' 1/2' N.$  on the decl. arc; and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs. N. of my station; this mark coincides with the meridian established by the Polaris observation.

The solar apparatus by a.m. and p.m. observations defines positions for meridians which coincide with the meridian established by the Polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory.

The Standard cor. of Tps. 20 S. Rgs. 22 and 23 E. is a limestone, marked and witnessed as described by the surveyor general,

From this cor. I retrace North on the E. bdy. of sec 36; and at 40.01 chs. intersect the  $\frac{1}{4}$  sec. cor.; and at 80.02 chs. the cor. of secs. 25, 30, 31 and 36.; therefore the line bears North.  
May 5, 1905.

May 6: At 7.h. 00m. a.m. l.m.t. I set off  $31^{\circ} 38' N.$  on the lat arc;  $16^{\circ} 28' 1/2' N.$  on the decl. arc; and determine a meridian with the solar at the standard cor. of Tps. 20 S. Rgs. 22 and 23 E. Thence I run W. on the south bdy. of sec. 36 and at 40.00 chs. find a trace of the  $\frac{1}{4}$  sec. cor. and at 80.00 chs. the remains of the cor. of secs. 35 and 36 nearly obliterated; therefore I continue my line west and find that the cors. are nearly obliterated and in some cases that a mere trace of the cor. remains. At 6 miles I intersect the W. bdy. of the Tp. at the cor. of Tps. 20 S. Rgs. 21 and 22 E. which is a stone loosely set in the ground and marked with 6 grooves on N., S., E., and W. faces; The bearing tree as described in the notes cannot be found.

Resurvey of the Fourth Standard Parallel South through Rg. 22 E.

Chains.

scribed in the notes cannot be found, but may have been on a cottonwood tree the stump of which still remains.  
 As this stone is wrongly marked I obliterate the marks on the S. face of the stone, and re-set, in the same place, the same stone, a sand stone 20 x 12 x 6 ins. 18 ins. in the ground for standard cor. of Tps. 20 S. Rgs. 21 and 22 E., marked S C on N.; with 6 grooves on N., E., and W. faces; from which  
 A cottonwood 20 ins. diam. bears N. 33 1/4° W. 175 lks. dist. marked SCT20SR21ES36BT.  
 No other tree available. Raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.  
 May 6, 1905.

May 7, 1905. At 7h. 00m. a.m. l.m.t., I set off 31° 38' N. on the lat arc; 16° 45 1/2' N. on the decl. arc; and determine a meridian with the solar at the standard cor. of Tps. 20 S. Rgs. 21 and 22 E.

Thence I run

East on S. bdy. of sec. 31.

Over rolling land through dense brush

Difference between measurements of 40.00 chs., by two sets of chainmen, is 2 lks.; position of middle point

By 1st. set 39.99 chs.

By 2nd. set 40.01 chs.; the mean of which is

40.00 Set a limestone 18 x 6 x 5 ins. 12 ins. in the ground for standard 1/4 sec. cor. marked S C 1/4 on N. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.

77.50 Cross road bears N. and S.

Difference between measurements of 80.00 chs., by two sets of chainmen is 4 lks.; position of middle point

By 1st. set 80.02 chs.

By 2nd. set 79.98 chs.; the mean of which is

80.00 Set a limestone 18 x 6 x 5 ins. 12 ins. in the ground for standard cor. of secs. 31 and 32, marked S C on N. face; with 5 grooves on E. and 1 groove on W. faces; dig pits 24 x 18 x 12 ins. crosswise on each line, E. and W., 3 ft. dist. and N. of stone 7 ft. dist.; and raise a mound of earth 4 ft. base 2 ft. high N. of cor. Land, rolling.

Soil, sandy; 3rd. rate.

No timber.

Undergrowth, greasewood and catclaw.

Land covered with dense undergrowth, 80.00 chs.

East on S. bdy. sec. 32.

Over level land through dense brush.

37.00 Dim road bears N.E. and S.W.

38.66 Intersect S. end line of Terrible M. C. 3.29 chs. S. 30° E. from the N.W. cor. of claim.

Difference between measurements of 40.00 chs., by two sets of chainmen is 4 lks.; position of middle point

By 1st. set 40.02 chs.

By 2nd. set 39.98 chs.; the mean of which is

40.00 Set a limestone 18 x 10 x 4 ins. 12 ins. in the ground for standard 1/4 sec. cor. marked S C 1/4 on N. face; dig pits 18 x 18 x 12 ins. E. and W. of cor. 3 ft. dist.; and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high, N. of cor.

48.53 Intersect E. side line Terrible M. C. 8.59 chs. N. 54° 13' E. of the S.W. cor. of claim

52.65 Cross telephone line bears N.E. and S.W.

73.00 Old road bears N.W. and S.E.

Difference between measurements of 80.00 chs. by two sets of chainmen is 6 lks.; position of middle point

By 1st. set 80.03 chs.

By 2nd. set 79.97 chs.; the mean of which is

## Resurvey of the Fourth Standard Parallel South through Rg. 22 E.

Chains	
80.00	Set a granite stone 16 x 8 x 6 ins. 11 ins. in the ground for standard cor. of secs 32 and 33 marked S C on N.; with 4 grooves on E. and 2 grooves on W. faces; dig pits 24 x 18 x 12 ins. Crosswise on each line, E. and W. of stone 3 ft. dist., and N. of stone 7 ft. dist. and raise a mound of earth 4 ft. base 2 ft. high, N. of cor. Land level. Soil, sandy; 2nd. rate. No timber. Undergrowth, catclaw and greasewood. Land covered with dense undergrowth, 80.00 chs.
4.10	East on S. bdy. sec. 33. Over level land through dense brush. Cross road bears N. and S. Difference between measurements of 40.00 chs. by two sets of chainmen is 2 lks.; position of middle point By 1st. set 40.02 chs. By 2nd. set 39.99 chs.; the mean of which is
40.00	Set a granite stone 16 x 10 x 4 ins. 11 ins. in the ground for standard $\frac{1}{4}$ sec. cor. marked S C $\frac{1}{4}$ on N. face; and raise a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high N. of cor. Pits impracticable. Difference between measurements of 80.00 chs. by two sets of chainmen is 2 lks.; position of middle point By 1st. set 79.99 chs. By 2nd. set 80.01 chs.; the mean of which is
80.00	Set a granite stone 16 x 10 x 4 ins. 11 ins. in the ground for standard cor. of secs. 33 and 34, marked S C on N., with 3 grooves on E. and W. faces; dig pits 24 x 18 x 12 ins. crosswise on each line, E. and W. of stone 3 ft. and N. of stone 7 ft. dist.; and raise a mound of earth 4 ft. base 2 ft. high N. of cor. Land, level. Soil, sandy; 3rd. rate. No timber. Undergrowth, catclaw and greasewood. Land covered with dense undergrowth, 80.00 chs. At this cor. I set off $16^{\circ} 47' 1\frac{1}{2}''$ N. on the decl. arc; and observe the sun on the meridian at noon the resulting latitude is $31^{\circ} 38' N.$
22.15	East on S. bdy. sec. 34. Over level land through dense brush. Cross road bears N. and S.
24.55	Cross road bears N. and S.  Difference between measurements of 40.00 chs. by two sets of chainmen is 4 lks.; position of middle point By 1st. set 40.02 chs. By 2nd. set 39.98 chs.; the mean of which is
40.00	Set a granite stone 18 x 8 x 4 ins. 12 ins. in the ground for standard $\frac{1}{4}$ sec. cor. marked S C $\frac{1}{4}$ on N. face; and raise a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high N. of cor. Pits impracticable.
68.00	Ascend rocky W. slope of mountain ridge.
77.50	Top of ridge bears N. and S. and descend. Difference between measurements of 80.00 chs. by two sets of chainmen is 8 lks.; position of middle point By 1st. set 80.04 chs. By 2nd. set 79.96 chs.; the mean of which is
80.00	Set a granite stone 18 x 12 x 4 ins. 12 ins. in the ground for standard cor. of secs. 34 and 35, marked S C on N., with 2 grooves on E. and 4 grooves on W. faces; and raise a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high N. of cor. Pits impracticable. Land, level and mountainous. Soil, rocky and sandy; 3rd. and 4th. rate.

Resurvey of the Fourth Standard Parallel South through Rgs. 22 & 23 E.  
Chains.

- No timber.  
Undergrowth, catclaw and mesquite.  
Mountainous land or land covered with dense undergrowth 80.00 chs.
- 
- East on S. bdy. of sec. 35.  
Descending rocky E. slope of mountain through dense brush.
- 12.00 Foot of mountain.  
Difference between measurements of 40.00 chs. by two sets of chainmen is 2 lks.; position of middle point  
By 1st. set 40.01 chs.  
By 2nd. set 39.99 chs.; the mean of which is
- 40.00 Set a granite stone 18 x 10 x 4 ins. 12 ins. in the ground for standard  $\frac{1}{4}$  sec. cor. marked S C  $\frac{1}{4}$  on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist. and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high N. of cor.  
Difference between measurements of 80.00 chs. by two sets of chainmen is 6 lks.; position of middle point  
By 1st. set 80.03 chs.  
By 2nd. set 79.97 chs.; the mean of which is
- 80.00 Set a granite stone 18 x 12 x 4 ins. 12 ins. in the ground for standard cor. of secs. 35 and 36 marked S C on N. with 1 groove on E. and 5 grooves on W. faces; and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.  
Land level and mountainous.  
Soil, sandy and rocky; 3rd and 4th. rate.  
No timber.  
Undergrowth, catclaw and mesquite.  
Mountainous land and land covered with dense undergrowth 80.00 chs.
- 
- East on S. bdy. sec. 36.  
Ascending rocky W. slope of mountain.
- 4.50 Top of mountain ridge bears N. and S.
- 10.00 Foot of mountain and over level land through dense brush.  
Difference between measurements of 40.00 chs. by two sets of chainmen is 4 lks.; position of middle point  
By 1st. set 40.02 chs.  
By 2nd. set 39.98 chs.; the mean of which is
- 40.00 Set a limestone 18 x 6 x 5 ins. 12 ins. in the ground for standard  $\frac{1}{4}$  sec. cor. marked S C  $\frac{1}{4}$  on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist. and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high N. of cor.  
Difference between measurements of 80.00 chs. by two sets of chainmen is 4 lks.; position of middle point  
By 1st. set 80.02 chs.  
By 2nd. set 79.98 chs.; the mean of which is
- 80.00 The cor. of Tps. 20 S. Rgs. 22 and 23 E.  
Land level and mountainous.  
Soil, sandy and rocky; 4th. rate.  
No timber.  
Undergrowth catclaw and mesquite.  
Mountainous land and land covered with dense undergrowth 80.00 chs.
- Note; In all instances, before setting new cors. along this line, I obliterate all traces of the old cors. Pits could have been dug at the  $\frac{1}{4}$  sec. cors. on the S. bdy. of secs. 31, 33 and 34, but being able to get stone I built the mound of stone in each case as the soil is loose sand and pits and a mound of earth would be quickly obliterated.

May 7, 1905.

Subdivision of Tp 20 S. Rg 22 E.

chains

Survey commenced May 8, 1905 and executed with a Young and Sons light mountain transit, No. 7532, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc; which is also the least count of the verniers of the latitude and decl. arcs.

The instrument was examined, tested on the true meridian at Phoenix, found correct, and was approved by the surveyor general for Arizona

I examine the adjustments of the transit, and find them correct, then, to test the solar apparatus, by comparing its indications, resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris, I proceed as follows:

At the standard cor. of secs. 35 and 36 on the S. bdy. of the Tp. latitude 31° 38' 10" N. longitude 110° 03' 13" W.; at 4h. 19.16m. a.m. by my watch, which has correct l.m.t., I observe Polaris at eastern elongation in accordance with Manual of Instructions, and mark a point in the line thus determined, on a peg driven in the ground, 5 chs. N. of my station.

At 7h. a.m. l.m.t., I lay off the azimuth of Polaris, 1° 24.5' to the west, and mark the meridian thus determined, by cutting a small groove in a stone set firmly in the ground 5 chs. N. of my station.

At 8h. 00m. a.m. l.m.t., I set off 31° 38' N on the lat. arc; 17° 02' N on the decl. arc; and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs. N. of my station; this mark coincides with the meridian established by the Polaris observation.

The magnetic bearing of the true meridian, at 8h. 30m. a.m. is N. 12° 40' W.; the angle thus determined gives the mag. decl. 12° 40' E.

At 3h. 00m p.m. l.m.t., I set off 31° 38' N on the lat. arc; 17° 06 1/2' N on the decl. arc; and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs. N. of my station; this mark coincides with the meridian established by the Polaris observation.

The solar apparatus by a.m. and p.m. observations defines positions for meridians which coincide with the meridian established by the Polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory.

May 8, 1905.

At 7h. 00m. a.m. l.m.t., I set off 31° 38' N, on the lat. arc; 17° 15' N on the decl. arc; and determine a meridian with the solar at the standard cor. of secs. 35 and 36 on the S. bdy. of the Tp.

Thence I run

N. 0° 01' W. bet. secs. 35 and 36

Along rocky west slope through dense brush.

Over level land.

Set a limestone 18 x 8 x 6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins. N. and S. of cor. 3 ft. dist. and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high W. of cor.

Cross gully 5 lks. wide course S. W. and ascend rough S. W. slope of mountain.

Top of mountain ridge bears N. W. and S. E., and descend.

Set a limestone 18 x 8 x 6 ins. 12 ins. in the ground for cor. of secs. 25, 26, 35 and 36, marked with 1 notch on S. and E. edges; and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable Land level and mountainous.

Soil, sandy and rocky; 4th. rate.

10.00  
40.00  
50.60  
75.50  
80.00

## Subdivision of Tp. 20 S. Rg. 22 E.

Chains

No timber.  
Undergrowth, catclaw and greasewood.  
Mountainous land and land covered with dense under-  
growth, 80.00 chs.

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40.00 East on a random line bet. secs. 25 and 36.  
Set temp.  $\frac{1}{4}$  sec. cor.  
80.20 Intersect E. bdy. of Tp. 14 lks. S. of the cor. of secs  
25, 30, 31 and 36.  
Thence I run  
S.  $89^{\circ} 54'$  W. on a true line bet. secs. 25 and 36.  
Ascending E. slope of mountain through dense brush.  
6.00 Top of mountain and descend W. slope.  
40.10 Set a limestone 18 x 12 x 5 ins. 12 ins. in the ground  
for  $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on N. face; and raise a mound  
of stone 2 ft. base 1  $\frac{1}{2}$  ft. high N. of cor. Pits  
impracticable.  
41.95 Cross road bears N. and S. and ascend along N. E.  
slope of mountain.  
80.20 The cor. of secs. 25, 26, 35 and 36.  
Land, mountainous.  
Soil, rocky; 4th. rate.  
No timber.  
Undergrowth, catclaw and greasewood.  
Mountainous land or land covered with dense under-  
growth 80.20 chs.

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14.00 N.  $0^{\circ} 01'$  W. bet. secs. 25 and 26.  
Descending N. E. slope of mountain through dense brush.  
Over rolling land.  
35.75 Cross wash 10 lks. wide course N. E.  
40.00 Set a limestone 20 x 6 x 4 ins. 15 ins. in the ground  
for  $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on W. face; and raise a mound  
of stone 2 ft. base 1  $\frac{1}{2}$  ft. high W. of cor. Pits  
impracticable.  
52.00 Cross wash 15 lks. wide course S. E. and ascend.  
58.00 Top of ridge bears N. W. and S. E. and descend.  
78.00 Cross wash 10 lks. wide course N. E. and over rolling  
mountains.  
80.00 Set a limestone 24 x 12 x 4 ins. 18 ins. in the ground  
for cor. of secs. 23, 24, 25 and 26 marked with 2  
notches on S. and 1 notch on E. edges; and raise a  
mound of stone 2 ft. base 1  $\frac{1}{2}$  ft. high W. of cor.  
Pits, impracticable.  
Land mountainous and rolling.  
Soil; rocky; 4th. rate.  
No timber.  
Undergrowth catclaw and greasewood.  
Mountainous land or land covered with dense under-  
growth 80.00 chains.  
May 9; at this cor. I set off  $17^{\circ} 20'$  N. on the decl  
arc; and observe the sun on the meridian at noon, the  
resulting lat. is  $31^{\circ} 40'$  N.

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40.00 N.  $89^{\circ} 54'$  E. on a random line bet. secs. 24 and 25.  
Set. temp.  $\frac{1}{4}$  sec. cor.  
80.16 Intersect E. bdy. of Tp. 7 lks. S. of the cor. of secs.  
19, 24, 25 and 30, which is a stone marked and wit-  
nessed as described by the surveyor general.  
Thence I run  
S.  $89^{\circ} 51'$  W. on a true line bet. secs. 24 and 25.  
Over rolling mountains through dense brush.  
24.25 Cross wash 10 lks. wide course S. E.  
40.08 Set a limestone 18 x 12 x 4 ins. 12 ins. in the ground  
for  $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on N. face; and raise a mound  
of stone 2 ft. base 1  $\frac{1}{2}$  ft. high, N. of cor. .  
Pits impracticable.  
76.75 Cross wash 10 lks. wide course N. E.



7  
Subdivision of Yp. 20 S. Rg. 22 E.

Chains.	
80.16	The cor. of secs 23, 24, 25 and 26. Land mountainous. Soil, rocky; 4th. rate. No timber. Undergrowth, catclaw. Mountainous land or land covered with dense undergrowth 80.16 chs.
19.00.	N. 0° 01' W. bet. secs. 23 and 24. Over rolling mountains through dense brush.
24.60	Cross wash 10 lks. wide course N. W.
40.00	Cross same wash course N. E. Set a limestone 18 x 9 x 6 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.
53.00	Cross wash 10 lks. wide course N. E.
58.67	Smoke stack on Comet shaft house bears N. 18° 18' W.
61.00	Cross wash 15 lks. wide course N. E.
69.00.	S. E. cor. of frame house bears W. 50 lks. dist.
72.00	Cross road bears N. E. and S. W.
77.00	Cross road bears N. E. and S. W.
80.00	Set a limestone 18 x 8 x 8 ins. 12 ins. in the ground for cor. of secs 13, 14, 23 and 24.; marked with 3 notches on S. and 1 notch on E. edges; and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable. From this cor. smokestack on Comet shaft house bears S. 29° 46' W. Land mountainous. Soil, rocky; 4th. rate. No timber. Undergrowth, catclaw. Mountainous land or land covered with dense undergrowth 80.00 chs.
40.00	N. 89° 51' E. on a random line bet. secs. 13 and 24. Set temp $\frac{1}{4}$ sec. cor.
80.24	Intersect E. bdy. of Tp. 35 lks. N. of the cor. of secs 13, 18, 19 and 24. which is a stone marked and witnessed as described by the surveyor general. Thence I run N. 89° 54' W. on a true line bet. secs. 13 and 24. Over rolling N. W. slope of mountain, ascending through dense brush.
22.75	Cross wash 10 lks. wide course N.
40.05	Cross wash 10 lks. wide course N. and ascend.
40.12.	Point for $\frac{1}{4}$ sec. cor. falls on a limestone in place 6 x 3 x 2 ft. above ground. I mark a cross x at exact point for $\frac{1}{4}$ sec. cor. and $\frac{1}{4}$ on N. of cross; and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.
50.25	Top of ridge bears N. W. and S. E. and descend W. slope
75.15	Cross road bears N. and S. and feet of mountain and over rolling mountainous land.
76.00	Cross wash 15 lks. wide course N.
77.50	Cross old road bears N. E. and S. W.
80.24	The cor. of secs. 13, 14, 23 and 24. Land, mountainous. Soil, rocky 4 th. rate. No timber. Undergrowth catclaw. Mountainous land and land covered with dense undergrowth 80.24 chs.

May 9, 1905.

May 10; at 7h.00m. a.m. l.m.t., I set off 31° 41' N. on the lat. arc; 17° 34' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs

Chains.		
	13, 14, 23 and 24.	
	Thence I run N. 0° 01' W. bet. secs. 13 and 14.	
	Over rolling mountainous land through dense brush.	
3.50	Shaft 30 ft. deep.	
5.40	shaft 60 lks. E.	
7.00	Cross wash 20 lks. wide course N. E.	
20.37	Smokestack on Rattlesnake shaft house bears N. 77° 05' W.	
30.50	Cross road bears N. W. and S. E.	
35.75	Cross wash 20 lks. wide course N. W.	
38.00	Cross same wash course N. E.	
40.00	Set a limestone 24 x 6 x 5 ins. 18 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.	
40.90	Cross road bears N. E. and S. W.	
40.98	Smokestack on Rattlesnake shaft house bears S. 38° 31' W	
43.00	Cross same road bears N. W. and S. E.	
57.50	Cross gulch 30 lks. wide course N. E.	
59.00	Cross road bears N. E. and S. W.	
67.60	Cross R. R. track bears E. and W.	
77.30	Center of water tank 20 ft. diam.	
80.00	Set a sandstone 18 x 12 x 8 ins. 12 ins. in the ground for cor. of secs. 11, 12, 13 and 14, marked with 4 notches on S. and 1 notch on E. edges; and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.	
	From this cor. the head frame on the Tombstone Consolidated bears N. 45° 52' W. 6.70 chs. dist.	
	Land mountainous.	
	Soil, rocky; 4th. rate.	
	No timber.	
	Undergrowth, catclaw.	
	mountainous land and land covered with dense undergrowth 80.00 chs.	
	-----	
	S. 89° 54' E. on a random line bet. secs. 12 and 13.	
40.00	Set temp. 1/4 sec. cor.	
80.02	Intersect E. bdy. of Tp. 16 lks. N. of the cor. of secs. 7, 12, 13 and 18, which is a stone marked and witnessed as described by the surveyor general.	
	Thence I run	
N. 89°	47' W. on a true line bet. secs. 12 and 13.	
	Over rolling land through dense brush.	
6.00	Cross wash 15 lks. wide course N. W.	
10.15	Cross wash 15 lks. wide course N. E.	
34.25	Cross telephone line bears N. and S.	
38.25	Cross road in bottom of wash 25 lks. wide course N.	
40.01	Set a sandstone 18 x 12 x 8 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.	
55.25	Cross old road bears N. E. and S. W.	
60.95	Cross road bears N. and S.	
63.00	Cross road bears N. and S.	
64.30	Cross R. R. track bears N. and S.	
65.00	Cross R. R. track bears N. and S.	
73.00	Cross road bears N. W. and S. E. and ascend.	
80.02	The cor. of secs. 11, 12, 13 and 14.	
	Land mountainous and rolling.	
	Soil, stony; 4th. rate.	
	No timber.	
	Undergrowth catclaw and greasewood.	
	Mountainous land 80.02 chs.	
	-----	
	N. 0° 01' W. bet. secs. 11 and 12.	
	Descending over rolling mountainous land.	
2.78	Cross road bears E. and W.	
4.43	Cross road bears N. W. and S. E.	
13.43	Cross R. R. track bears E. and W.	
23.63	Cross road bears E. and W.	

S.E.



Subdivision of Tp.20. S. Rg. 22 E.

Chains.	
23.80	Cross road bears E. and NW. joins last road noted 20 lks. E.
28.10	Shaft 10 lks. E.
32.26	Cross trail bears N. E. and S. W.
32.50	Cross shaft
38.00	Cross wash 30 lks. wide course N.10° W.
38.10	Cross road bears N. E. and S. W.
40.00	Set a porphyry stone 18 x 16 x 12 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high, W. of cor. Pits impracticable.
41.00	Cross same wash above course N. E.
42.21	Cross same wash course N. W. and over rolling land through dense brush.
44.67	Intersect S. bdy. of Tombstone, a townsite. Set a limestone 18 x 14 x 6 ins. 12 ins. in the ground for closing cor. of secs. 11 and 12, marked C C P B on S. and T on N. faces; and raise a mound of stone 2 ft. base 1 1/2 ft. high S. of cor. Pits impracticable. No bearings available. The S. E. cor. of townsite bears S. 67° 10' E. 28.54 chs. dist. The S. W. cor. bears N. 67° 10' W. 51.46 chs. dist.
80.00	From closing cor. I continue on a blank line emitting topography across Tombstone. <i>Townsite</i> The point for cor. of secs. 1, 2, 11 and 12. Land, mountainous and rolling. Soil, rocky; 4th. rate. No timber. Undergrowth, catclaw and greasewood. Mountainous land or land covered with dense undergrowth 80.00 chs. At this cor. I set off 17° 36' N. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is 31° 42 1/2' N. ✓
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	From point for cor. of secs. 1, 2, 11 and 12 I run
40.00	S. 89° 47' E. on a random line bet. secs. 1 and 12. Set temp. $\frac{1}{4}$ sec. cor.
80.02	Intersect E. bdy. of Tp. 21 lks. S. of the cor. of secs. 1, 6, 7 and 12, which is a stone marked and witnessed as described by the surveyor general. Thence I run
N. 89°	56' W. on a true line bet. secs. 1 and 12. Over rolling mountainous land through dense brush.
3.50	Cross wash 75 lks. wide course N. W.
11.00	Cross wash 20 lks. wide course N. W.
16.50	Cross wash 15 lks. wide course N. E.
23.25	Cross wash 5 lks. wide course N. E.
36.00.	Cross wash 5 lks. wide course N.
40.01	Set a limestone 18 x 10 x 8 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.
48.90	Cross wash 10 lks. wide course N. W.
50.50	Cross wash 3 lks. wide course N. E.
61.30	Intersect N. bdy. of Tombstone a townsite. Set a limestone 18 x 8 x 4 ins. 12 ins. in the ground for closing cor. of secs. 1 and 12. marked C C P L on E. and T on W. faces; and raise a mound of stone 2 ft. base 1 1/2 ft. high E. of cor. Pits impracticable The N. E. cor. of the townsite bears S. 67° 10' E. 25.07 chs. dist. The N. W. cor. bears N. 67° 10' W. 54.93 chs. dist.
80.02	From closing cor. I continue on a blank line emitting topography across Tombstone. <i>Townsite</i> The point for cor. of secs. 1, 2, 11 and 12. Land, rolling mountains. Soil stony; 4th. rate.

Subdivision of Tp. 20 S. Rg. 22 E.

Chains.

No timber.  
 Undergrowth, mesquite and greasewood.  
 Mountainous land and land covered with dense undergrowth 80.02 chs.

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From point for cor. of secs. 1, 2, 11 and 12  
 I run  
 N. 0° 01' W. on a random line bet. secs. 1 and 2.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.85 Intersect N. bdy. of Tp. 7 lks. E. of the cor. of  
 secs. 1, 2, 35, and 36 which is a granite stone 10 x 6  
 ins. above ground with remains of a mound of stone N.  
 of the cor. I remark stone with 1 notch on E. and 5  
 notches on W. edges; and raise a mound of stone 3 ft. b  
 base 2 ft. high W. of cor. Pits impracticable.  
 Thence I run S. 0° 04' E. on a true line bet. secs. 1  
 and 2.  
 Over rolling land through dense brush.  
 7.50 Cross wash 100 lks. wide course W.  
 39.85 Set a granite stone 18 x 8 x 6 ins. 12 ins. in the  
 ground for ~~rosecofer~~ marked  $\frac{1}{4}$  on W. face; and  
 raise a mound of stone 2 ft. base 1 1/2 ft. high, W.  
 of cor. Pits impracticable.  
 44.10 Cross shaft.  
 51.98 Cross road bears N. E. and S. W.  
 60.50 Cross road bears N. W. and South and along same.  
 62.00 Leave road bears S.W. outh  
 69.38 Cross road bears N. W. and S. E.  
 71.97 Intersect the N. bdy. of Tombstone a townsite.  
 Set a granite 18 x 8 x 6 ins. 12 ins. in the ground  
 for closing cor. of secs. 1 and 2. marked C C P L on  
 N. and T. on S. faces; and raise a mound of stone 2 ft.  
 base 1 1/2 ft. high N. of cor. Pits impracticable.  
 The N. E. cor. of the Townsite bears S. 67° 10' E.  
 45.37 chs. dist. The N. W. cor. of the townsite bears  
 N. 67° 10' W. 34.63 chs. dist.  
 From the closing cor. I continue on a blank line  
 omitting topography across Tombstone, *Townsite*.  
 79.85 The point for cor. of secs, 1, 2, 11 and 12.  
 Land, rolling.  
 Soil, rocky; 4th. rate.  
 No timber.  
 Undergrowth catclaw and greasewood.  
 Land covered with dense undergrowth 79.85 chs.  
 May 10, 1905.

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May 11; at 7h.00m. a.m. l.m.t., I set off 31° 38' N.  
 on the lat. arc; 17° 49' on the decl. arc; and deter-  
 mine a meridian with the solar at the cor. of secs.  
 2, 3, 34 and 35 on the S. bdy. of the Tp.  
 Thence I run  
 N. 0° 01' W. bet. secs. 34 and 35.  
 Ascending along E. slope of mountain through heavy  
 brush.  
 8.000 Top of ridge bears N. E. and S. W. and descend along  
 W. slope.  
 40.00 Set a limestone 28 x 12 x 4 ins. in a mound of stone  
 for  $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on W. face; and raise a mound  
 of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits  
 impracticable.  
 48.85 Cross wash 8 lks. wide course S. W.  
 51.95 Cross wash 5 lks. wide course W.  
 59.75 Cross wash 5 lks. wide course W.  
 61.00 Cross wash 5 lks. wide course S. W.  
 63.25 Cross wash 15 lks. wide course W.  
 66.10 Cross wash 10 lks. wide course N. W.  
 68.60 Cross wash 5 lks. wide course S. W.  
 69.70 Cross wash 10 lks. wide course W.  
 71.50 Cross wash 10 lks. wide course W.  
 72.60 Cross wash 8 lks. wide course W.

## Subdivision of Tp. 20 S. Rg. 22 E.

74.50	Cross wash 8 lks. wide course W!
75.70	Cross wash 5 lks. wide course S. W.
77.10	Cross wash 5 lks. wide course S. W.
80.00	Set a quartz stone 18 x 7 x 6 ins. 12 ins. in the ground for cor. of secs. 26, 27, 34 and 35 marked with 1 notch on S and 2 notches on E. edges; and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable. Land, mountainous. Soil, rocky; 4th. rate. No timber. Undergrowth catclaw and greasewood. Mountainous land and land covered with dense undergrowth 80.00 chs.
40.00	East on a random line bet. secs. 26 and 35. Set temp. 1/4 sec. cor.
80.16	Intersect N. and S. line 21 lks. N. of the cor. of secs 25, 26, 35 and 36. Thence I run N. 89° 51' W. on a true line bet. secs. 26 and 35. Ascending N. E. slope of mountain through heavy brush. Top of ridge bears N. W. and S. E. and descend along S. W. slope.
8.00	
27.00	Cross wash 8 lks. wide course S. W. and over broken land.
40.08	Set a quartz stone 24 x 10 x 6 ins. 18 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.
41.75	Cross wash 10 lks. wide course S. E. and ascend.
65.00	Top of mtn. ridge bears N. and S. and descend.
80.16	The cor. of secs. 26, 27, 34 and 35. Land, mountainous. Soil, rocky; 4th. rate. No timber. Undergrowth catclaw and greasewood. Mountainous land and land covered with dense undergrowth 80.16 chs.
0.75	N. 0° 01' W. bet. secs. 26 and 27. Over rolling land through dense brush.
18.00	Cross wash 10 lks. wide course S. W.
28.50	Cross wash 5 lks. wide course S. W.
36.40	Cross wash 5 lks. wide course S. W.
40.00	Cross wash 5 lks. wide course S. W. Set a granite stone 18 x 8 x 8 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.
41.50	Cross wash 5 lks. wide course S.W.
45.00	Cross wash 15 lks. wide course S. W.
68.00	Cross wash 10 lks. wide course S. W.
75.00	Top of ridge bears E. and W. and descend.
80.00	Set a granite stone 18 x 14 x 4 ins. 12 ins. in the ground for cor. of secs. 22, 23, 26 and 27, marked with 2 notches on S. and E. edges; and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable. Land, rolling and mountainous. Soil, rocky; 4th. rate. No timber. Undergrowth catclaw and greasewood. Mountainous land and land covered with dense undergrowth 80.00 chs. Mayll: at this cor. I set off 17° 51 1/2' N. on the decl. arc; and observe the sun on the meridian at noon: the resulting latitude is 31° 40' N.

Chains

40.00 S. 9° 51' E. on a random line bet. secs. 23 and 26.  
 Set temp. 1/4 sec. cor.  
 80.22 Intersect N. and S. line 5 lks. S. of the cor. of secs. 23, 24, 25 and 26.  
 Thence I run N. 8° 53' W. on a true line bet. secs. 23 and 26  
 Ascending E. slope of mountain.  
 23.75 Top of ridge bears N. E. and S. W and descend.  
 40.11 Set a limestone 24 x 12 x 6 ins. in a mound of stone for 1/4 sec. cor. marked 1/4 on N. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.  
 42.60 Cross wash 15 lks. wide course N. E. and ascend.  
 56.50 Top of ridge bears N. and S. and descend.  
 66.50 Cross wash 10 lks. wide course N. W.  
 74.50 Cross wash 8 lks. wide course N. W.  
 80.22 The cor. of secs. 22, 23, 26 and 27.  
 Land mountainous.  
 Soil, rocky; 4th. rate.  
 No timber.  
 Undergrowth catclaw and greasewood.  
 Mountainous land or land covered with dense undergrowth 80.22 chs.

4.700 N. 0° 01' W. bet. secs. 22 and 23.  
 Descending N. slope of mountain.  
 8.20 Cross wash 12 lks. wide course S.W.  
 29.70 Cross wash 8 lks. wide course S. W. *and ascend*  
 36.20 Top of ridge bears NE. and SW. and *along E. slope.*  
 40.00 Cross wash 15 lks. wide course N. E. *thence along E. slope.*  
 Set a granite stone 28 x 8 x 6 ins. in a mound of stone for 1/4 sec. cor. marked 1/4 on W. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.  
 68.95 Cross draw 15 lks. wide course E.  
 80.00 Set a granite stone 18 x 8 x 6, 12 ins. in the ground for cor. of secs. 14, 15 22 and 23 marked with 3 notches on S. and 2 notches on E. edges; and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.  
 Land, mountainous.  
 Soil, rocky; 4th. rate.  
 No timber.  
 Undergrowth catclaw and greasewood.  
 Mountainous land 80.00 chs.

40.00 S. 89° 53' E. on a random line bet. secs. 14 and 23.  
 Set temp. 1/4 sec. cor.  
 80.22 Intersect N. and S. line 16 lks. S. of the cor. of secs 13, 14, 23 and 24  
 Thence I run  
 West on a true line bet. secs. 14 and 23.  
 Ascending over rough mountains.  
 31.50 Cross wash 10 lks. wide course N. *and ascend*  
 38.50 Top ridge bears N. and S. and descend.  
 40.11 Set a limestone 18 x 10 x 5 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.  
 46.25 Cross wash 10 lks. wide course N.  
 46.75 Frame building, abandoned bears S. 1.25 chs.  
 55.25 Cross wash 20 lks. wide course N. E. and over rolling mountains.  
 60.00 Cross road bears N. E. and S. W.  
 77.25 Cross wash 40 ks. wide course N. E.  
 80.22 The cor. of secs. 14, 15, 22 and 23.  
 Land mountainous.  
 Soil, rocky; 4th. rate.  
 No timber.

Chains.

Mountainous land 80.57 chs.

May 11, 1905.

May 12; at 7h. 00m. a.m. l.m.t., I set off 31° 41' N. on the lat. arc; 18° 04' 11 1/2" on the east. arc; and determine a meridian with the solar at the cor. of secs. 14, 15, 22 and 23.

Thence I run

N. 0° 01' W. bet. secs. 14 and 15.

Over rolling mountains.

Cross wash 8 lks. wide course S. E.

Top of ridge bears N. E. and S. W. and descend, from this point Smokestack on shafthouse bears N. 14° 20' W.

Cross wash 5 lks. wide course S. W. and ascend.

Top of ridge bears E. and W. and descend.

Smokestack above bears S. 73° 06' W.

Cross road bears E. and W.

Point for 1/4 sec. cor. falls in wash 10 lks. wide course N. E. so at

Set a limestone 18 x 8 x 5 ins. 12 ins. in the ground for witness 1/4 sec. cor. marked W C 1/4 on W. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.

Cross wash 8 lks. wide course N. W.

Cross road bears N. W. and S. W.

Cross telephone line bears N. E. and S. W.

Smokestack on Lucksure shaft house bears S 67° 10' E.

Cross wash 8 lks. wide course N. W.

Cross wash 8 lks. wide course N. W.

Set a sandstone 18 x 10 x 4 ins. 12 ins. in the ground for cor. of secs. 10, 11, 14 and 15, marked with 4 notches on S. and 2 notches on E. edges; and raise a mound of stone 2 ft. base 1 1/2 ft. high, W. of cor. Pits impracticable.

Land mountainous.

Soil, rocky; 4th. rate.

No timber.

Mountainous land 80.00 chs.

From this cor. the smokestack on Lucksure shaft house bears S. 30° 15' E.

East on a random line bet. secs. 11 and 14.

Set temp. 1/4 sec. cor.

Intersect N. and S. line 9 lks. N. of the cor. of secs. 11, 12, 13 and 14.

Thence I run

N. 89° 56' W. on a true line bet. secs. 11 and 14.

Along rolling N. slope of rough mountains.

Cross telephone line bears N. E. and S. W.

Cross road bears N. E. and S. W.

Cross R. R. track bears N. E. and S. W.

Cross telephone line bears N. and S.

Cross shaft.

Cross wash 30 lks. wide course N. W.

Shaft bears S. 36 lks. dist.

Cross wash 15 lks. wide course N. W. and ascend

Set a granite stone 18 x 12 x 6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.

Top of ridge bears N. W. and S. E.

Cross road bears N. W. and S. E.

Cross wash 12 lks wide course N. W.

Cross telephone line bears N. E. and S. W.

Cross road bears N. W. and S. E.

Cross road bears N. W. and S. E.

The cor. of secs. 10, 11 14 and 15.

Land mountainous.

Soil, rocky; 4th. rate.

No timber.

8.35  
9.15  
20.30  
28.05  
35.95  
39.70  
40.00  
41.05  
55.55  
59.20  
60.30  
61.92  
77.55  
78.55  
80.00

40.00  
80.30

6.00  
7.70  
8.35  
21.45  
22.80  
25.25  
25.50  
35.85  
40.15

44.25  
56.50  
59.95  
63.80  
65.00  
69.80  
80.30

Chains.

Mountainous land 80.30 chs.

- 3.15 N. 0° 01' W. bet. secs. 10 and 11
- 11.25 Over rolling mountainous land through dense brush.
- 22.00 Cross wash 8 lks. wide course N. W.
- 28.60 Cross wash 5 lks. wide course N. W.
- 37.15 Cross wash 10 lks. wide course N. W.
- 39.75 Cross road bears N. W. and S. E.
- 40.00 Cross old road bears N. W. and S. E.
- 41.20 Cross wash 20 lks. wide course N. W.
- 42.25 Set a limestone 18 x 10 x 8 ins. 12 ins. in the ground
- 51.75 for 1/4 sec. cor. marked 1/4 on W. face; and raise a mound
- 53.25 of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits
- 54.00 impracticable.
- 55.25 Cross same wash course N. E.
- 59.60 Cross same wash course N. W.
- 62.05 Cross wash 15 lks. wide course N. E.
- 63.35 Cross road bears N. E. and S. W.
- 67.50 Cross stream from mine 10 lks. wide course W.
- 71.75 Cross wash 15 lks. wide course W.
- 77.25 Cross old road bears N. E. and S. W.
- 78.25 Cross road bears E. and W.
- 78.90 Cross telephone line bears E. and W.
- 80.00 Cross wash 8 lks. wide course S. W.

Cross old road bears N. W. and S. E.  
 Cross road bears N. W. and S. E.  
 Cross old road bears N. W. and S. E.  
 Cross wash 10 lks. wide course W.  
 Set a granite 18 x 12 x 8 ins. 12 ins. in the ground  
 for cor. of secs. 2, 3, 10 and 11, marked with 5  
 notches on S. and 2 notches on E. edges; and raise a  
 mound of stone 2 ft. base 1 1/2 ft. high W. of cor.  
 Pits impracticable.

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

Undergrowth catclaw and greasewood.  
 Mountainous land or land covered with dense under-  
 growth 80.00 chs.

May 12; at this cor. I set off 18° 07' N. on the decl.  
 arc; and observe the sun on the meridian at noon; the  
 resulting latitude is 31° 42 1/2 ' N.

40.00 S. 89° 56' E. on a random line bet. secs. 2 and 11.

Set temp. 1/4 sec. cor.  
~~36.20~~ Intersect N. and S. line 12 lks. N. of the <sup>point for</sup> cor. of  
 30.10 secs. 1, 2; 11 and 12.

Thence I run.  
 N. 89° 51' W. on a true line bet. secs. 2 and 11.  
 On a blank line omitting topography, across Tombstone  
 townsite.

46.05 point for 1/4 sec. cor. No cor. set.

~~40.10~~ Intersect the W. bdy. of Tombstone a townsite.

40.95 Point for cor. falls at edge of street. Deposit broken

41.03 glass as a memorial 30 ins. in the ground, and set a

40.98 granite stone 28 x 12 x 10 ins. 250 ins. in the ground

for closing cor. of secs 2 and 11, marked C C P L on

W. and T on E. faces; from which

an iron pipe 4 ins. diam. 30 ins. above ground, bears

S. 40° 34' E. 81 lks. dist. marked x B.O. This

pipe is set in the ground at the N. W. cor. of fence.

No other bearings available, and raised a mound of stone 2 ft base

The S. W. cor. of townsite bears S. 22° 50' W. 16.77 chs.

dist. The N. W. cor. of townsite bears N. 22° 50' E.

23.23 chs. dist.

41.69 Thence

Cross fence bears N. W. and S. E. and NE cor. of house

bears S. 48 lks. dist.

42.24 Cross fence bears N. E. and S. W.

42.91 E. side of house,

## Subdivision of Tp. 20 S. Rg 22 E.

Chains

43.40	W. side of house.
43.63	Cross fence bears N. E. and S. W.
43.81	S. E. side of house.
44.00	S. W. side of house.
45.10	Cross fence bears N. E. and S. W.
46.08	Cross fence bears N. E. and S. W.
46.32	Cross road bears N. E. and S. W.
47.02	Cross fence bears N. E. and S. W.
48.21	Cross fence bears N. E. and S. W.
52.00	Cross telegraph line bears N. and S.
52.41	Cross E. P. and S. W. R. R. bears N. and S.
52.73	Cross road bears N. W. and S. E.
54.00	Cross telephone line bears N. W. and S. E.
55.00	House bears N. 50 lks. dist.
56.54	Cross fence bears N. W. and S. E.
57.40	Cross wash 8 lks. wide course N. W.
63.95	Cross road bears N. W. and S. E.
67.00	Cross wash 8 lks. wide course N. W.
76.38	Cross telephone line bears N. W. and S. E.
76.72	Cross wash 8 lks. wide course S. W.
<del>80.20</del>	The cor. of secs. 2, 3, 10 and 11.
80.10	Land, rolling mountains. Soil, stony; 4th. rate. No timber. Undergrowth catclaw and greasewood. Mountainous land or land covered with dense under- growth, 80.20 chs. 10
40.00	N0° 01' W. on a random line bet. secs. 2 and 3. Set temp. $\frac{1}{4}$ sec. cor.
79.68	Intersect N. bdy. of Tp 14 lks. W. Of a trace of the cor. of secs. 2, 3, 34 and 35. I re-establish this cor. as follows; set a granite stone 18 x 8 x 4 ins. 12 ins. in the ground for cor. of secs. 2, 3 34 and 35 marked with 2 notches on E. and 4 notches on W. edges; and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable Thence I run S. 0° 05' W. on a true line bet. secs. 2 and 3. Ascending Over rolling mountainous land through dense brush.
28.80	Cross old road bears N. W. and S. E.
31.45	Cross old road N. W. and S. E.
33.40	Cross wash 8 lks. wide course N. W.
39.68	Set a granite stone 18 x 8 x 6 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.
47.35	Cross wash 4 lks. wide course N. W.
51.10	Cross wash 8 lks. wide course N. W.
55.20	Cross road bears N. W. and S. E.
56.00	Cross E.P. and S.W. R. R. bears N. E. and S. W.
68.10	Cross road bears N. E. and S. W.
68.85	Cross telegraph line bears E. and W.
71.30	The N. E. cor. of the cemetery bears N. 63° W. 2.15 chs. dist.
71.85	Cross road bears N. W. and S. E.
73.85	Cross road to cemetery bears N. W. and S. E.
79.68	The cor. of secs. 2, 3, 10 and 11. Land mountainous. Soil, stony 4th. rate. No timber. Undergrowth catclaw and greasewood. Mountainous land or land covered with dense under- growth 79.68 chs.

May 12. 1905.



Subdivision of Tp. 20 S. Rg. 22 E.

chains

May 13: at 7H. 00m. a.m. l.m.t., I set off 31° 38' N. on the lat. arc; 18° 20' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 3, 4, 33 and 34 on the S. bdy. of the Tp. Thence I run N. 0° 02' W. bet. secs. 33 and 34. Over level land through dense brush.

40.00 Set a limestone 18 x 10 x 8 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.

45.00 Cross wash 5 lks. wide course S. W.

58.50 Cross wash 10 lks. wide course S. W.

71.00 Cross wash 4 lks. wide course S. W.

74.50 Cross old road bears N. W. and S. E.

80.00 Set a limestone 18 x 12 x 6 ins. 12 ins. in the ground for cor. of secs. 27, 28, 33 and 34, marked with 1 notch on S. and 3 notches on E. edges; and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.

Land level.  
Soil, rocky; 4th. rate.  
No timber.  
Undergrowth, catclaw and greasewood.  
Land covered with dense undergrowth, 80.00 chs.

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

40.00 Set temp. 1/4 sec. cor.

79.92 Intersect N. and S. line 21 lks. N. of the cor. of secs. 26, 27, 34 and 35. Thence I run N. 89° 51' W. on a true line bet. secs. 27 and 34. Over rolling land through dense brush.

1.42 Cross wash 15 lks. wide course S. W.

4.40 Cross wash 15 lks. wide course S. W.

28.90 Cross wash 10 lks. wide course S. E.

39.96 Set a limestone 18 x 12 x 4 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 dt. dist. and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high N. of cor.

40.90 Cross wash 10 lks. wide course S. W.

42.50 Cross same wash course N. W.

45.60 Cross same wash course S. W.

48.50 Cross same wash course N. W.

54.25 Cross wash 20 lks. wide course S. W.

59.85 Cross wash 10 lks. wide course S. E.

77.25 Cross wash 4 lks. wide course S. W.

79.92 The cor. of secs. 27, 28, 33 and 34. Land rolling.  
Soil, sandy; 4th. rate.  
No timber.  
Undergrowth, catclaw and greasewood.  
Land covered with dense undergrowth 79.92 chs.

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N. 0° 02' W. bet. secs. 27 and 28.

Over level land through dense brush.

11.50 Cross wash 5 lks. wide course S. W.

25.10 Cross wash 5 lks. wide course S. W.

40.00 Set a limestone 18 x 8 x 5 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.

42.50 Cross wash 8 lks. wide course S. W.

44.50 Cross wash 15 lks. wide course S. W.

59.50 Point whence shaft house on Ground Hog bears N. 27° 22' E.

64.50 Cross wash 20 lks. wide course S. W.

72.20 Cross telephone line bears N. E. and S. W.

80.00 Set a limestone 18 x 10 x 10 ins. 12 ins. in the ground



80  
17

Subdivision of Tp. 20 S. Rg. 22 E.

Chains

for cor. of secs. 21, 22, 27 and 28, marked with 2 notches on S. and 3 notches on E. edges; and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.  
 Land, level.  
 Soil, rocky; 4th. rate.  
 No timber.  
 Undergrowth, catclaw and greasewood.  
 Land covered with dense undergrowth 80.00 chs.  
 May 13; At this cor. I set off 18° 22' N. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is 31° 40' N. ✓

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40.00 S. 89° 51' E. on a random line bet. secs. 22 and 27.  
 80.08 Set temp. 1/4 sec. cor.  
 Intersect N. and S. line 19 lks. N. of the cor. of secs. 22, 23, 26 and 27.  
 Thence I run  
 N. 99° 43' W. on a true line bet. secs. 22 and 27.  
 Descend  
 4.00 Cross wash 15 lks. wide course S. W. and ascend along rough S. slope of mountains.  
 38.20 Cross wash 8 lks. wide course S.  
 40.04 Set a limestone 24 x 6 x 5 ins. in a mound of stone for 1/4 sec. cor. marked 1/4 on N. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.  
 47.25 Cross wash 10 lks. wide course S. and ascend  
 56.00 Top of mountain ridge bears N. and S. and descend rough W. slope of mountain.  
 62.00 Shaft 15 lks. S. of line.  
 69.00 Over level land through dense brush.  
 74.75 Cross telephone line bears N. E. and S. W.  
 78.25 Cross wash 4 lks. wide course N. W.  
 80.08 The cor. of secs. 21, 22, 27 and 28.  
 Land level and mountainous.  
 Soil, rocky; 4th. rate.  
 No timber.  
 Undergrowth catclaw and greasewood.  
 Mountainous land <sup>and</sup> land covered with dense undergrowth 80.08 chs.

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0.95 N. 0° 02' W. bet. secs. 21 and 22.  
 2.95 ~~Ascending~~ Over rolling mountains through dense brush.  
 14.30 Cross wash 10 lks. wide course N. W.  
 15.30 Cross shaft.  
 19.30 Cross wash 10 lks. wide course N. W.  
 23.15 Cross old road bears E. and W.  
 40.00 Cross wash 10 lks. wide course S. W.  
 Point whence shaft house on Ground Hog bears S. 32° E.  
 Set a limestone 18 x 12 x 8 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.  
 45.80 Cross wash 8 lks. wide course S. W. and ascend steep S. slope.  
 56.85 Top of peak and descend.  
 80.00 Set a granite stone 24 x 10 x 8 ins. 18 ins. in the ground for cor. of secs. 15, 16, 21 and 22 marked 20 S on N. E., 22E. on S. E.; with 3 notches on S. and E. edges; and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.  
 Land, mountainous.  
 Soil, rocky; 4th. rate.  
 No timber.  
 Undergrowth greasewood and catclaw.  
 Mountainous land and land covered with dense undergrowth 80.00 chs.

Chains.

S. 89° 43' E. on a random line bet. secs. 15 and 22.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.12 Intersect N. and S. line 5 lks. S. of the cor. of secs. 14, 15, 22 and 23.  
 Thence I run  
 N. 89° 45' W. on a true line bet. secs. 15 and 22.  
 Ascending rough E. slope of mountain.  
 38.00 Top of mountain and descend.  
 31.10 Cross telephone line bears N. E. and S. W.  
 34.25 Cross wash 15 lks. wide course N. W.  
 40.06 Set a granite stone 18 x 10 x  $\frac{1}{4}$  ins. 12 ins. in the ground for  $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on N. face; and raise a mound of stone 2 ft. base 1  $\frac{1}{2}$  ft. high N. of cor. Pits impracticable.  
 43.50 Cross wash 10 lks. wide course N. W. and ascend  
 62.00 Top of ridge bears N.E.W. and S.W.E. and descend.  
 71.25 Cross wash 10 lks. wide course N. W.  
 80.12 The cor. of secs. 15, 16, 21 and 22.  
 Land mountainous.  
 Soil, rocky; 4th. rate.  
 No timber.  
 Undergrowth catclaw and greasewood.  
 Mountainous land 80.12 chs.

May 13, 1905.

May 14; at 7h.00a.m. l.m.t., I set off 31° 41' N. on the lat. arc; 18° 34'  $\frac{1}{2}$ ' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 15, 16, 21 and 22

Thence I run

N. 0° 02' W. bet. secs. 15 and 16  
 Over rolling mountainous land.  
 15.40 Cross wash 15 lks. wide course W.  
 39.75 Cross wash 10 lks. wide course W.  
 40.00 Set a porphyry stone 18 x 6 x  $\frac{1}{5}$  ins. 12 ins. in the ground for  $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on W. face; and raise a mound of stone 2 ft. base 1  $\frac{1}{2}$  ft. high W. of cor. Pits impracticable.  
 61.00 Cross road bears N. W. and S. W.  
 65.25 Cross wash 10 lks. wide course S. W.  
 67.55 Cross road bears N. E. and S. W. and dense underbrush.  
 80.00 Set a limestone 10 x 6 x 6 ins. 12 ins. in the ground for cor. of secs. 9, 10, 15 and 16 marked with 4 notches on S. and 3 notches on E. edges; and raise a mound of stone 2 ft. base 1  $\frac{1}{2}$  ft. high W. of cor. Pits impracticable.  
 From this cor. N. E. cor. of house bears S. 44° 25' W.  
 N. E. cor. of another house bears S. 42° 32' W.  
 Land mountainous.  
 Soil, rocky; 4th. rate.  
 No timber.  
 Undergrowth catclaw and greasewood.  
 Mountainous land and land covered with dense undergrowth 80.00 chs..

S. 89° 45' E. on a random line bet. secs. 10 and 15.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.17 Intersect N. and S. line 9 lks. S. of the cor. of secs. 10, 11, 14, and 15.  
 Thence I run  
 N. 89° 49' W. on a true line bet. secs. 10 and 15.  
 Over rolling mountainous land through dense brush.  
 2.50 Cross wash 10 lks. wide course N. W.  
 9.40 Cross road bears S. E. and N. W.  
 11.15 Cross wash 10 lks. wide Course N. W.  
 23.65 Cross wash 10 lks. wide course N. W.  
 28.40 Cross old road bears N. and S.  
 38.65 Cross wash 15 lks. wide course N. W.  
 40.085 Set a limestone 18 x 12 x 10 ins. 12 ins. in the ground

Subdivision of Tp. 20 S. Rg. 22 E.

Chains

- for  $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on N. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.
- 41.40 Cross wash 15 lks. wide course N. W.
  - 44.65 Cross wash 20 lks. wide course N. E., and ascend E. slope of mountain.
  - ~~44.90~~
  - 44.90 Cross road bears N. E. and S. W.
  - 46.20 Cross wash 20 lks. wide course N. E. and ascend E. slope of mountain
  - 59.80 Top of ridge bears N. W. and S. E. and descend.
  - 73.15 Cross wash 5 lks. wide course S.
  - 80.17 The cor. of secs. 9, 10, 15 and 16.  
Land mountainous and  
Soil, rocky; 4th. rate.  
No timber.  
Undergrowth catclaw and greasewood.  
Mountainous land and land covered with dense undergrowth 80.17 chs.
- 
- N.0° 02' W. bet. secs. 9 and 10.  
Ascending along S. W. slope of mountain through dense brush.
- 20.50 Top of ridge bears N. W. and S. E. and descend
  - 31.50 Cross wash 8 lks. wide course N. W. and ascend.
  - 40.00 Set a granite stone 18 x 8 x 6 ins. 12 ins. in the ground for  $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on W. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.
  - 44.00 Top of ridge bears N. E. and S. E. and descend.
  - 80.00 Set a granite stone 18 x 8 x 6 ins. 12 ins. in the ground for cor. of secs. 3, 4, 9 and 10, marked with 5 notches on S. and 3 notches on E. edges; and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.  
Land, mountainous.  
Soil, rocky; 4th. rate.  
No timber.  
Undergrowth, catclaw and greasewood.  
Mountainous land and land covered with dense undergrowth 80.00 chs.  
May 14; at this cor. I set off 18° 36 1/2' N. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is 31° 42 1/2' N.
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- S.89° 49' E. on a random line bet. secs. 3 and 10.  
Set temp.  $\frac{1}{4}$  sec. cor.
- 40.00 Intersect N. and S. line 5 lks. N. of the cor. of secs. 2, 3, 10 and 11.
  - 80.20 Thence I run.  
N.89° 47' W. on a true line bet. secs. 3 and 10.  
Over rolling mountainous land through dense brush.
  - 6.50 Cross wash 8 lks. wide course S.
  - 11.80 Cross wash 5 lks. wide course S.
  - 28.35 Cross wash 10 lks. wide course S. W.
  - 33.60 Cross road bears N. W. and S. E.
  - 38.15 E. side of slaughter house.
  - 38.40 W. side of slaughter house.
  - 40.10 Set a limestone 18 x 14 x 4 ins. 12 ins. in the ground for  $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on N. face; from which  
A mesquite 4 ins. diam. bears S. 74° 05' E. 93 lks. dist. marked  $\frac{1}{4}$  S 1° 0' B T.  
A mesquite 4 ins. diam. bears N. 9° 20' E. 265 lks. dist. marked  $\frac{1}{4}$  S 3° B T.
  - 40.42 Cross fence bears N. W. and S. E.
  - 41.25 Cross telephone line bears N. W. and S. E.
  - 41.65 Cross road bears N. W. and S. E.
  - 45.60 Cross wash 10 lks. wide course N. running water from mine.
  - 44.00 Windmill bears S. 1.50 chs.
  - 44.25 Cross fence bears N. W. and S. E.

## Subdivision of Tp. 20 S. Rg. 22 E.

Chains.	
47.65	Cross fence bears N. W. and S. E.
61.50	House bears N. 12 chs dist.
69.35	Cross wash 20 lks. wide course N. W.
80.20	The cor. of secs. 3, 4, 9 and 10. Land, mountainous. Soil, rocky, 4th. rate. No timber. Undergrowth, catclaw and greasewood. Mountainous land and land covered with dense under- growth 80.20 chs.
40.00	N.0° 02' W. on a random line bet. secs. 3 and 4. Set temp. $\frac{1}{4}$ sec. cor.
79.96	Intersect N. bdy. of Tp. 80 lks. E. of the cor. of secs. 3, 4, 33 and 34. I return to the cor. of secs. 3, 4, 9 and 10 Thence I run N.0° 02' W. On a true line bet. secs. 3 and 4. Over rolling mountainous land through dense brush.
3.40	Cross wash 20 lks. wide course N. E.
12.22	Cross wash 10 lks. wide course N. E.
21.34	Cross telephone line bears E. and W.
25.56	Cross wash 20 lks. wide course E.
35.94	Cross telephone line bears N. W. and S. E.
37.52	Cross road bears N. W. and S. E.
38.85	Cross fence bears N. W. and S. E.
40.00	Set a granite stone 18 x 10 x 4 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.
44.86	Cross ditch 3 lks. wide course N. W.
45.50	Cross creek 20 lks. wide course E. W., water from mine and ascend.
54.29	Cross road bears N. W. and S. E.
55.25	Cross telephone line bears N. W. and S. E.
71.00	Cross wash 30 lks. wide course N. W.
78.90	Cross wash 5 lks. wide course S. W.
79.96	Intersect N. bdy. of Tp. 80 lks. E. of the cor. of secs 3, 4, 33 and 34. and set a granite stone 18 x 8 x 6 ins 12 ins. in the ground for closing cor. of secs. 3 and 4 marked C C on S.; with 3 grooves on E. and W. faces; and raise a mound of stone 2 ft. base 1 1/2 ft. high S. of cor. Pits impracticable. The cor. of secs. 3, 4, 33 and 34 is a stone marked and witnessed as described by the surveyor general. I move mound of stone to the N. of cor. Land mountainous. Soil, rocky 4 th. rate. No timber. Undergrowth, catclaw and greasewood. Mountainous land and land covered with dense under- growth 79.96 chs.
	May 14, 1905.
	May 15; at 7h.00m. a.m. l.m.t., I set off 31° 38' N. on the lat. arc; 18° 49' N. on the decl. arc. ; and determine a meridian with the solar at the cor. of secs. 4, 5, 32 and 33 on the S. bdy. of the township. Thence I run N. 0° 02' W. bet. secs. 32 and 33 Over level land through dense brush.
40.00	Set a limestone 20 x 8 x 5 ins. 15 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face; and dig pits 18 x 18 x 12 ins. N. and S. of stone 3 ft. dist. and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high W. of cor.
40.50	Cross telephone line bears N. E. and S. W.
67.75	Cross road bears N. E. and S. W.
72.15	

Chains.	
72.15	Cross wash 5 lks. wide course N. W.
78.60	Cross wash 15 lks. wide course S. W.
80.00	Set a limestone 20 x 12 x 5 ins. 15 ins. in the ground for cor. of secs. 28, 29, 32 and 33 marked with 1 notch on S. and 4 notches on E. edges; and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable. Land, level. Soil, sandy; 3rd. rate. No timber. Undergrowth catclaw and greasewood. Land covered with dense undergrowth 80.00 chs.
40.00	East on a random line bet. secs. 28 and 33.
40.00	Set temp. 1/4 sec. cor.
80.12	Intersect N. and S. line 7 lks. S. of the cor. of secs. 27, 28, 33 and 34. Thence I run S. 89° 57' W. on a true line bet. secs. 28 and 33. Over level land through dense brush.
1.85	Cross road bears N. W. and S. E.
7.10	Cross wash 10 lks. wide course S. W.
40.06	Set a limestone 20 x 10 x 4 ins. 15 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.
52.00	Cross telephone line bears N. E. and S. W.
75.95	Cross road bears N. E. and S. W.
78.35	Cross wash 15 lks. wide course S. W.
80.12	The cor. of secs. 28, 29, 32 and 33. Land level. Soil, sandy; 3rd. rate. No timber. Undergrowth, catclaw and greasewood. Land covered with dense undergrowth 80.12 chs.
8.50	N. 0° 02' W. bet. secs. 28 and 29. Over rolling land through dense brush.
40.00	Cross wash 8 lks. wide course S. E. Set a granite stone 24 x 6 x 5 ins. 18 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable?
68.60	Cross wash 40 lks. wide course W.
80.00	Set a granite stone 18 x 6 x 6 ins. 12 ins. in the ground for cor. of secs. 20, 21, 28 and 29 marked with 2 notches on S. and 4 notches on E. edges; dig pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.; from which A mesquite 4 ins. diam. bears S. 54 1/4 ° W. 51 lks. dist. marked T20SR22ES29BT. A mesquite 4 ins. diam. bears N. 76 3/4 ° E. 131 lks. dist. marked T20SR22ES21BT.
	Land, rolling. Soil, rocky; 4th. rate. No timber. Undergrowth, catclaw and greasewood. Land covered with dense undergrowth 80.00 chs. May 15; at this cor. I set off 18° 51' N. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is 31° 40' N.
40.00	N. 89° 57' E. on a random line bet. secs. 21 and 28.
80.24	Set temp. 1/4 sec. cor. Intersect N. and S. line 27 lks. N. of the cor. of secs. 21, 22, 27 and 28. Thence I run

85  
22

Subdivision of Tp. 20 S. Rg. 22 E.

	N. 89° 51' W. on a true line bet. secs. 21 and 28. Over rolling mountainous land.
15.15	Cross old road bears N. and S.
31.65	Cross road bears N. and S.
40.12	Point for $\frac{1}{4}$ sec. cor. falls in wash 20 lks. wide course S. W. so at
39.74	Set witness cor. Point for witness cor. falls on a rock in place 18 x 18 x 8 ins. above ground. I mark a cross x at exact point for witness $\frac{1}{4}$ sec. cor. and W C $\frac{1}{4}$ on N. of cross; from which A willow 4 ins. diam. bears S. 86° W. 92 lks. dist. marked W C $\frac{1}{4}$ S 2 8 B T No other tree available. Raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.
41.85	Cross wash 30 lks. wide course N. W.
53.25	Shaft bears N. 100 lks. dist.
58.00	Cross wash 40 lks. wide course S. W.
80.24	The cor. of secs. 20, 21, 28 and 29. Land mountainous. Soil, rocky; 4th. rate. No timber. Mountainous land 80.24 chs.
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	N. 0° 02' W. bet. secs. 20 and 21 Over rolling mountainous land.
0.90	Cross road bears N. E. and S. W.
3.95	Cross wash 15 lks. wide course W.
11.65	Cross road bears N. W. and S. E. W.
19.00	Cross road bears N. E. and S. W.
40.00	Set a granite stone 18 x 12 x 10 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.
40.75	Cross old road bears N. E. and S. W.
41.75	Cross old road bears N. W. and S. E.
56.75	Cross wash 10 lks. wide course S. W.
58.00	Cross Old road bears N. E. and S. W.
61.00	Cross wash 10 lks. wide course S. W.
70.00	Cross wash 30 lks. wide course S. W.
71.75	Cross old road bears N. E. and S. W.
76.00	Shaft bears E. 2.50 lks.
80.00	Set a granite stone 24 x 8 x 8 ins. in a mound of stone for cor. of secs. 16, 17, 20 and 21 marked with 3 notches on S. and 4 notches on W. edges; and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable. From this cor. the N. W. cor. of abandoned cabin 14 x 16 bears S. 35° 15' E. 3.63 chs. dist. Land mountainous. Soil, rocky; 4th. rate. No timber. Undergrowth catclaw and greasewood. Mountainous land 80.00 chs.
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	S. 89° 51' E. on a random line bet. secs. 16 and 21.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.20	Intersect N. and S. line 19 lks. N. of the cor. of secs. 15, 16, 21 and 22. Thence I run.
	N. 99° 43' W. on a true line bet. secs. 16 and 21 Over rolling mountainous land.
16.80	Cross wash 8 lks. wide course N. W.
21.20	Cross wash 8 lks. wide course N. W.
40.10	Set a granite stone 20 x 10 x 8 ins. 15 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high; N. of cor. Pits impracticable.
43.30	Cross road bears N. E. and S. W.
67.20	Cross road bears N. E. and S. W.
68.00	Cross wash 30 lks. wide course S. W.

Subdivision of Tp. 20 S. Rg. 22 E.

Chains.  
80.20

The cor. of secs. 16, 17, 20 and 21.  
Land mountainous.  
Soil, rocky; 4th. rate.  
No timber.  
Mountainous land 80.20 chs.

May May 15, 1905.

21.50  
24.00  
29.00  
40.00  
41.00  
52.50  
64.00  
80.00

May 16; at 7h. 00m. a.m. l.m.t., I set off 31° 41' N. on the lat. arc; 19° 03' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 16, 17, 20 and 21.  
Thence I run  
N. 0° 02' W. bet. secs. 16 and 17.  
Ascending steep S. ~~N.~~ slope of mountain.  
Shaft 200 lks. W.  
Cross old road bears ~~N. E.~~ <sup>N. E.</sup> and ~~S. W.~~ <sup>S. W.</sup>  
Top of ridge bears N. E. and S. W. and descend.  
Set a granite stone 18 x 10 x 8 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.  
Cross wash 15 lks. wide course N. W. and ascend.  
Along W. slope.  
Descend N. slope.  
Set a granite stone 18 x 10 x 6 ins. 12 ins. in the ground for cor. of secs. 8, 9, 16 and 17, marked with 4 notches on S. and E. edges; and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.  
Land mountainous.  
Soil, rocky; 4th. rate.  
No timber.  
Mountainous land 80.00 chs.

40.00  
80.28  
  
26.05  
26.80  
32.30  
34.21  
  
40.14  
40.24  
41.50  
51.30  
57.55  
58.30  
80.28

S. 89° 43' E. on a random line bet. secs. 9 and 16.  
Set temp. 1/4 sec. cor.  
Intersect N. and S. line 14 lks. S. of the cor. of secs. 9, 10, 15 and 16.  
Thence I run  
N. 89° 49' W. on a true line bet. secs. 9 and 16.  
Over rolling mountainous land through dense undergrowth.  
Cross wash 25 lks. wide course N.  
Cross old road bears N. and S.  
Cross wash 10 lks. wide course N. E.  
A point whence smokestack on Maine shaft house bears S. 54° 12' W.  
N.E. cor. of house bears S. 24° 24' E.  
N. E. cor. of house bears S. 27° 37' E.  
Set a quartz 24 x 12 x 10 ins. 18 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.  
Cross road bears N. W. and S. E.  
Shaft 35 lks. N.  
Cross wash 20 lks. wide course N. W.  
Point whence smoke stack on Maine shaft house bears S. 19° W.  
Shaft bears N. 35 lks. dist.  
The cor. of secs. 8, 9, 16 and 17.  
Land mountainous  
Soil, rocky; 4th. rate.  
No timber.  
Mountainous land 80.28 chs.

4.60

N. 0° 02' W. bet. secs. 8 and 9  
Descending N. slope  
Cross road bears N. E. and S. W.



## Subdivision of Tp. 20 S. Rg 22 E.

Chains	
5.10	Cross wash 25 lks. wide course S. W. and ascend.
21.60	Cross wash 10 lks. wide course S. W.
26.00	Cross same wash 10 lks. wide course S. E.
40.00	Set a granite stone 20 x 12 x 8 ins. 15 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.
45.10	Top of ridge bears E. and W. and descend.
55.60	Cross wash 10 lks. wide course N. E.
58.50	Cross wash 8 lks. wide course N. E.
75.75	Cross wash 12 lks. wide course N. E.
80.00	Set a granite stone 18 x 8 x 8 ins. 12 ins. in the ground for cor. of secs. 4, 5, 8 and 9 marked with 5 notches on S. and 4 notches on E. edges; and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable. Land, mountainous. Soil, rocky; 4 th. rate. No timber. Mountainous land 80.00 chs.
	At this cor. I set off 19° 05' N. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is 31° 42 1/2' N.
40.00	S. 89° 49' E. on a random line bet. secs. 4 and 9. Set temp. $\frac{1}{4}$ sec. cor.
80.30	Intersect N. and S. line 5 lks. N. of the cor. of secs. 3, 4, 9 and 10. Thence I run. N. 89° 47' W. on a true line bet. secs. 4 and 9. Over rolling mountainous land through brush.
1.50	Cross wash 30 lks. wide course N. E.
40.15	Set a granite 18 x 12 x 8 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.
42.30	Cross wash 15 lks. wide course N. W.
43.80	Cross wash 8 lks. wide course N. W.
67.05	Cross wash 12 lks. wide course N. W.
72.90	Cross wash 10 lks. wide course N. W.
77.70	Cross wash 10 lks. wide course N. W. E.
80.30	The cor. of secs. 4, 5, 8 and 9. Land mountainous. Soil, rocky; 4th. rate. No timber. Undergrowth catclaw and greasewood. Mountainous land 80.30 chains.
40.00	N. 0° 02' W. on a random line bet. secs. 4 and 5. Set temp. $\frac{1}{4}$ sec. cor.
79.86.	Intersect N. bdy. of Tp. 44 lks. E. of the cor. of secs. 4, 5, 32 and 33., which is a stone marked as described by the surveyor general, as the soil is lesse and sandy and pits are destroyed and would not be permanent if restored I raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Thence I run S. 0° 21' E. on a true line bet. secs. 4 and 5. Over mountainous land through dense brush.
37.50	Cross telephone line bears E. and W.
38.00	Cross wash 30 lks. wide course W.
39.86	Point for $\frac{1}{4}$ sec. cor. falls on a rock in place 4 x 3 x 1 ft. above ground. I mark a cross x for exact point for $\frac{1}{4}$ sec. cor. and $\frac{1}{4}$ on W. of cross; and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.
43.55	Cross wash 10 lks. wide course N. W.
48.00	



Subdivision of Tp. 20 S. Rg. 22 E.

Chains.	
48.90	Cross wash 15 lks. wide course N. W.
59.75	Cross wash 20 lks. wide course N. W.
79.86	The cor. of secs. 4, 5, 8 and 9. Land mountainous. Soil, rocky; 4th. rate. No timber. Undergrowth, catclaw and greasewood. Mountainous land and land covered with dense undergrowth 79.86 chs.
	May 16 1905.
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	May 17; at 7h. 00m. a. m. l.m.t., I set off 31° 38' N. on the lat. arc; 19° 17' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 5, 6, 31 and 32 on the S. bdy. of the Tp. Thence I run N.0° 03' W. bet. secs. 31 and 32. Over rolling land through dense brush.
4.90	Cross old road bears N. E. and S. W.
22.25	Cross wash 10 lks, wide course N. W.
34.40	Cross wash 20 lks. wide course S. W.
38.25	Cross wash 20 lks. wide course S. W.
40.00	Set a sandstone 18 x 12 x 5 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.
80.00	Set a limestone 18 x 8 x 5 ins. 12 ins. in the ground for cor. of secs. 29, 30, 31 and 32, marked with 1 notch on S. and 5 notches on E. edges; dig pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor. Land rolling. Soil, stony 4th. rate. No timber. Undergrowth catclaw and greasewood. Land covered with dense undergrowth 80.00 chs.
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40.00	set East on a random line bet. secs. 29 and 32. temp. 1/4 sec. cor.
79.90	Intersect N. and S. line 7 lks. S. of the cor. of secs. 28, 29, 32 and 33. Thence I run S.89° 57' W. on a true line bet. secs. 29 and 32. Over rolling land through dense brush.
6.00	Cross wash 5 lks. wide course S. W.
16.75	Cross wash 5 lks. wide course S. W.
17.75	Shaft 15 lks. N.
20.50	Cross wash 8 lks. wide course S. W.
35.30	Cross wash 5 lks. wide course S. W.
39.95	Set a limestone 18 x 10 x 4 ins. 12 ins. in the ground for 1/4 sec. cor marked 1/4 on N. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.
60.75	Cross road bears N. and S.
79.90	The cor. of secs. 29, 30, 31 and 32. Land rolling Soil stony; 4th. rate. No timber. Undergrowth catclaw and greasewood. Land covered with dense undergrowth 79.90 chs.
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40.00	set West on a random line bet. secs. 30 and 31. temp. 1/4 sec. cor.
80.245	Intersect W. bdy. of Tp. 28 lks. N. of the cor. of secs. 25, 30 31 and 36, a stone marked and witnessed as described by the surveyor general. Thence I run N.89° 48' E. on a true line bet. secs. 30 and 31.

Chains	
40.245	Over rolling land through dense brush. Set a limestone 18 x 8 x 6 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist. and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high N. of cor.
52.60	Cross road bears N. E. and S. W.
57.75	Cross wash 5 lks. wide course S. W.
64.85	Cross wash 10 lks. wide course S. W.
79.55	Cross wash 4 lks. wide course S. W.
80.245	The cor. of secs. 29, 30, 31 and 32. Land rolling. Soil, sandy and rocky; 4th. rate. No timber. Undergrowth catclaw and greasewood. Land covered with dense undergrowth 80.24 chs. May 17; at this cor. I set off $19^{\circ} 19' N.$ on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is $31^{\circ} 39' N.$
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	N. $0^{\circ} 03' W.$ bet. secs. 29 and 30.
12.50	Over rolling land through dense brush.
28.00	Cross road bears N. E. and S. W.
40.00	Cross wash 40 lks. wide course N. W. Set a sandstone 18 x 8 x 6 ins. in a mound of stone for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face; and raise a mound of stone W. of cor. 2 ft. base 1 1/2 ft. high, pits impracticable.
60.50	Cross wash 10 lks. wide course S. W.
66.75	Cross road bears N. E. and S. W.
68.50	Shaft 45 lks. W.
72.25	Cross wash 10 lks. wide course S. W.
80.00	Point for cor. falls in a wash 15 lks. wide course S. W. so at
79.75	Set a sandstone 24 x 12 x 5 ins. 18 ins. in the ground for witness cor. of secs. 19, 20, 29 and 30 marked W on E. with 2 notches on S. and 5 notches on E. edges; and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable. Land rolling. Soil, rocky; 4th rate. No timber. Land covered with dense undergrowth of catclaw and greasewood 80.00 chs.
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40.00	N. $89^{\circ} 57' E.$ on a random line bet. <i>from true point for cor.</i> secs. 20 and 29.
80.08	Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line 2 lks. N. of the cor. of secs. 20, 21 28 and 29. Thence I run S. $89^{\circ} 58' W.$ on a true line bet. secs. 20 and 29
1.75	Over rolling land through dense brush.
9.25	Cross road bears N. E. and S. W.
24.75	Cross wash 15 lks. wide course S. W.
40.04	Cross wash 10 lks. wide course S. W. Set a granite stone 28 x 6 x 6 ins. 21 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.
48.30	Cross wash 10 lks. wide course S. W.
48.60	Cross old road bears N. E. and S. W.
60.15	Cross road bears N. E. and S. W.
80.08	The true point for cor. of secs. 19, 20, 29 and 30. Land rolling. Soil rocky; 4th. rate. No timber. Undergrowth catclaw and greasewood. Land covered with dense undergrowth 80.08 chs.

## Subdivision of Tp. 20 S. Rg. 22 E.

Chains.

S.  $89^{\circ} 48'$  W. On a random line bet. secs. 19 and 30 from true point for cor.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.20 Intersect W. bdy. of Tp. 2 lks. S. of the cor. of secs. 19, 24, 25 and 30, which is a stone marked and witnessed as described by the surveyor general.  
 Thence I run  
 N.  $89^{\circ} 49'$  E. on a true line bet. secs. 19 and 30.  
 Over rolling land through dense brush.  
 9.50 Cross road bears N. E. and S. W.  
 22.00 Cross same road bears S. E. and N. W.  
 38.00 Cross wash 5 lks. wide course N. W.  
 40.20 Set a granite stone 18 x 18 x 10 ins. 12 ins. in the ground for  $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on N. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.  
 52.00 Cross wash 20 lks. wide course N. W.  
 70.50 Cross wash 10 lks. wide course S. W.  
 78.50 Cross wash 20 lks. wide course S. W.  
 80.20 The true point for cor. of secs. 19, 20, 29 and 30.  
 Land, rolling.  
 Soil, rocky; 4th, rate.  
 No timber.  
 Undergrowth catclaw and greasewood.  
 Land covered with dense undergrowth 80.20 chs.  
 May 17, 1905.

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May 18; at 7h. 00m. a.m. l.m.t., I set off  $31^{\circ} 40'$  N. on the lat. arc;  $19^{\circ} 30'$  N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 19, 20, 29 and 30.  
 Thence I run from true point for cor.  
 N.  $0^{\circ} 03'$  W. bet. secs. 19 and 20.  
 Over rolling mountainous land.  
 4.00 Cross wash 20 lks. wide course S. W.  
 26.90 Cross wash 10 lks. wide course N. W.  
 29.25 Cross wash 15 lks. wide course S. W.  
 40.00 Set a granite stone 20 x 10 x 6 ins. in a mound of stone for  $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on W. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.  
 45.00 Cross wash 25 lks. wide course S. W.  
 64.50 Cross wash 20 lks. wide course S. W.  
 75.00 Cross wash 15 lks. wide course S. W.  
 80.00 Set a granite stone 24 x 10 x 6 ins. 18 ins. in the ground for cor. of secs. 17, 18, 19 and 20, marked with 3 notches on S. and 5 notches on E. edges; and raise amount of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.  
 Land mountainous.  
 Soil, rocky; 4th. rate.  
 No timber.  
 Mountainous land 80.00 chs.

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N.  $89^{\circ} 58'$  E. on a random line bet. secs. 17 and 20.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.14 Intersect N. and S. line 7 lks. S. of the cor. of secs. 16, 17, 20 and 21.  
 Thence I run.  
 S.  $89^{\circ} 55'$  W. on a true line bet. secs. 17 and 20.  
 Over rough mountains.  
 1.70 Cross wash 5 lks. wide course S. W.  
 14.00 Cross wash 5 lks. wide course S. E.  
 50.10 Cross wash 8 lks. wide course S. E.  
 40.07 Set a granite stone 28 x 8 x 6 ins. 21 ins. in the ground for  $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on N. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.  
 45.75 Cross wash 16 lks. wide course S. W.

Subdivision of Tp. 20 S. Rg 22 E.

Chains	
64.50	Cross wash 10 lks, wide course S. W.
72.00	Cross wash 8 lks. wide course S. W.
80.14	The cor. of secs. 17, 18, 19 and 20. Land mountainous. Soil, rocky; 4th. rate. No timber. Mountainous land 80.14 chs.
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	S. 89° 49' W. on a random line bet. secs. 18 and 19.
40.00	Set temp. 1/4 sec. cor.
80.48	Intersect W. bdy. of Tp. 5 lks. N. of the cor. of secs. 13, 18, 19 and 24. which is a post with marks nearly obliterated. I destroy post and in the same place set a granite stone 18 x 14 x 4 ins. 12 ins. in t the ground for cor. of secs. 13, 18, 19 and 24, mark- ed with 3 notches on S and N. edges; and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable. Thence I run N. 89° 47' E. on a true line bet. secs. 18 and 19.
13.00	Over rolling mountains.
13.00	Cross wash 10 lks. wide course S. W.
16.50	Cross wash 25 lks. wide course S. W.
25.50	Cross dry creek, 50 lks. wide course S. W.
40.48	Set a granite stone 18 x 8 x 6 ins. in a mound of stone for 1/4 sec. cor. marked 1/4 on N. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.
65.00	Cross wash 5 lks. wide course S. W.
75.50	Cross wash 5 lks. wide course S. W.
80.48	The cor. of secs. 17, 18, 19 and 20. Land mountainous. Soil, rocky; 4th. rate. No timber. Mountainous land 80.48 chs. May 18; at this cor. I set off 19° 32' N. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is 31° 41' N.
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	N. 0° 03' W. bet. secs. 17 and 18
	Over rolling mountains.
15.00	Cross shaft.
18.75	Cross wash 8 lks. wide course S. W.
35.00	Wash 30 lks. wide course S. W. and ascend S. Espee of mountain.
40.00	Set a granite stone 24 x 8 x 6 ind. 18 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.
50.30	Cross wash 10 lks. wide course S. E. <i>and ascend</i>
80.00	Set a granite 18 x 10 x 6 ins. 12 ins. in the ground for cor. of secs. 7, 8, 17 and 18, marked with 4 notches on S. and 5 notches on E. edges; and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable. Land mountainous. Soil rocky; 4th. rate. No timber. Mountainous land 80.00 chs.
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	N. 89° 55' E. on a random line bet. secs. 8 and 17.
40.00	Set temp. 1/4 sec. cor.
80.20	Intersect N. and S. line 9 lks. N. of the cor. of secs. 8, 9, 16, and 17. Thence I run S. 89° 59' W. on a true line bet. secs. 8 and 17. Over rolling mountainous land.
4.50	Cross old road bears N. E. and S. W.

Subdivision of Tp. 20 S. Rg. 22 E.

Chains.

5.50

Cross wash 10 lks. wide and along S. slope of mountains course of wash is S. W.

7.50

Cross wash 15 lks. wide course S. W.

18.25

Shaft 40 lks. S.

37.50

Cross wash 8 lks. wide course S. W.

40.10

Set a granite stone 18 x 10 x 5 ins. 12 ins. in the ground for ~~sec. cor.~~ marked  $\frac{1}{4}$  on N. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.

51.00

Cross wash 10 lks. wide course S. E.

61.50

Cross wash 10 lks. wide course S.

68.00

Cross wash 8 lks. wide course S. E.

73.40

Cross wash 10 lks. wide course S. E.

80.20

The cor. of secs. 7, 8, 17 and 18.

Land mountainous.

Soil, rocky; 4th. rate.

No timber.

Mountainous land 80.20 chs.

40.00

S. 89° 47' W. on a random line bet. secs. 7 and 18.

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

80.27

Intersect W. bdy. of Tp. 2 lks. N. of the cor. of secs. 7, 12, 13 and 18.

Thence I run

N. 89° 46' E. on a true line bet. secs. 7 and 18.

Over rough mountainous land.

9.00

Cross wash 20 lks. wide course N. W.

27.50

Cross same wash 20 lks. wide course S. W.

40.27

Set a granite stone 24 x 12 x 8 ins. in a mound of stone for  $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on N. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.

58.00

Cross wash 10 lks. wide course S. W.

77.75

Cross wash 8 lks. wide course S. W.

80.27

The cor. of secs. 7, 8, 17 and 18.

Land mountainous.

Soil rocky; 4th. rate.

No timber.

Mountainous land 80.27 chs.

May 18, 1905.

May 19; at 7h. 00m. a.m. l.m.t., I set off 31° 41 1/2' N. on the lat. arc; 19° 45' on the decl. arc; and determine a meridian with the solar at the cor. of secs. 7, 8, 17 and 18

Thence I run

N. 0° 03' W. bet. secs. 7 and 8.

Ascending steep S. slope of mountain.

40.00

Point for cor. falls on a granite rock in place 6 x 1 x 1 ft. above ground. I mark a cross x at exact point for  $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on W. of cross; and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.

44.75

Top of mountain peak and descend steep N. slope.

80.00

Set a granite stone 18 x 8 x 8 ins. 12 ins. in the ground for cor. of secs. 5, 6, 7 and 8 marked with 5 notches on S. and E. edges; and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.

Land mountainous.

Soil rocky; 4th. rate.

No timber.

Mountainous land 80.00 chs.

N. 89° 59' E. on a random line bet. secs. 5 and 8.

40.00

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

80.28

Intersect N. and S. line 12 lks. N. of the cor. of secs. 4, 5, 8, and 9.

## Subdivision of Tp. 20 S. Rg. 22 E.

Chains.	
	Thence I run
	N. 89° 56' W. on a true line bet. secs. 5 and 8.
	Ascending rough E. slope of mountain.
1.60	Cross wash 8 lks. wide course N. E.
16.50	Top of ridge bears N. and S. and descend over rolling mountainous land.
31.00	Cross wash 5 lks. wide course N. W.
37.75	Cross wash 8 lks. wide course N. W.
40.14	Set a granite stone 28 x 14 x 12 ins. in a mound of stone for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.
40.65	Cross wash 20 lks. wide course N. E. and ascend.
58.50	Top of ridge bears N. and S. and descend.
64.50	Cross wash 8 lks. wide course N. W.
80.28	The cor. of secs. 5, 6, 7, and 8. Land mountainous. Soil, rocky; 4th. rate. No timber. Mountainous land 80.28 chs. May 19; at this cor. I set off 19° 45' N. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is 31° 42 1/2' N.
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40.00	S. 89° 46' W. on a random line bet. secs. 6 and 7. Set temp. $\frac{1}{4}$ sec. cor.
80.20	Intersect N. and S. line 2 lks. S. of the cor. of secs. 1, 6, 7 and 12, which is a stone marked and witnessed as described by the surveyor general. Thence I run
	N. 89° 47' E. on a true line bet. secs. 6 and 7. Over rolling land through dense brush.
30.60	Cross wash 8 lks. wide course N. W. and ascend over rolling mountains.
40.20	Set a granite stone 18 x 10 x 5 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.
55.50	Cross wash 5 lks. wide course N. W.
61.00	Cross wash 10 lks. wide course N. W.
76.00	Cross wash 5 lks. wide course N. W.
80.20	The cor. of secs. 5, 6, 7 and 8. Land mountainous and rolling. Soil, rocky; 4th. rate. No timber. Undergrowth catclaw and greasewood. Mountainous land or land covered with dense undergrowth 80.20 chs.
	<hr/>
40.00	N. 0° 03' W. on a random line bet. secs. 5 and 6. Set temp. $\frac{1}{4}$ sec. cor.
79.60	Intersect N. bdy. of Tp. 2 lks. E. of the cor. of secs. 5, 6, 31 and 32, which is a stone marked and witnessed as described by the surveyor general. Thence I run
	S. 0° 04' E. on a true line bet. secs. 5 and 6. Ascending Over rolling mountains.
2.60	Cross wash 5 lks. wide course W.
18.35	Cross wash 15 lks. wide course W.
22.20	Cross telephone line bears E. and W.
39.60	Set a granite stone 18 x 6 x 6 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.
58.20	Cross wash 15 lks. wide course N. W.
67.90	Cross wash 8 lks. wide course N. W.
77.10	Cross wash 5 lks. wide course N. W.
79.60	The cor. of secs. 5, 6, 7 and 8. Land mountainous.

## Subdivision of Tp. 20 S. Rg 22 E.

Chains.

Soil rocky; 4th. rate.  
No timber.  
Mountainous land 79.60 chs.

May 19, 1905.

General Description

This township is rough and mountainous except in the S. W. portion, which is nearly level and covered with a dense growth of underbrush. The soil is rocky and sandy and generally worthless, with the exception of narrow strips along the washes. There is no timber in the township. Gold and silver has been found in all parts of the township. There is no water in the township except the flow from the Tombstone Consolidated Company's mines which are being unwatered.

The town of Tombstone, the county seat of Cochise County, has a population of about 1200.

John D. Hesse  
U.S. Deputy Surveyor.

Resurvey of the North boundary of Tp. 20 S. Rg. 22 E.

Chains.

May 20: At 7h. 00m. a.m. l.m.t. I set off  $31^{\circ} 43 \frac{1}{2}'$  N. on the lat. arc;  $19^{\circ} 56'$  N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 1, 2, 35 and 36.

That I may verify the position of the cor. of secs. 2, 3, 34 and 35 and also my closing to the N. bdy. bet. secs. 3 and 4 I resurvey part of the N. bdy. as follows:

From the cor. of secs. 1, 2, 35 and 36

I run

N.  $89^{\circ} 56'$  W. bet. secs. 2 and 35.

Over rolling land through dense brush

4.60 Cross wash 30 lks. wide course S.

6.00 Cross dry creek 300 lks. wide course N. W.

7.80 Cross dim road bears N. W. and S. E.

28. 50 Cross wash 15 lks. wide course N. W.

32.88 Cross wash 10 lks. wide course N. W.

35.50 Cross road bears N. E. and S. W.

38. 45 Cross road bears N. W. and S. E.

40.00 A trace of the  $\frac{1}{4}$  sec. cor. I destroy traces and in the same place set a granite stone 18 x 8 x 4 ins. 12 ins. in the ground for  $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on N. face; and raise a mound of stone 2 ft. base 1  $\frac{1}{2}$  ft. high N. of cor. Pits impracticable.

40.90 Cross wash 30 lks. wide course N. W.

80.00 The cor. of secs. 2, 3, 34 and 35, as previously re-established.

Land, rolling.  
Soil, sandy; 2nd. rate.  
No timber.  
Undergrowth catclaw and greasewood.  
Land covered with dense undergrowth 80.00 chains.

---

N.  $89^{\circ} 56'$  W. bet. secs. 3 and 34.

Over rolling land through dense underbrush.

30.00  
40.75 A point 28 lks. S. of the  $\frac{1}{4}$  sec. cor. a granite stone marked as described by the surveyor general with a trace of a mound of earth, N. of the stone. I dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist.; and raise a mound of earth 3  $\frac{1}{2}$  ft. base 1  $\frac{1}{2}$  ft. high N. of cor.

The course of this half mile is N.  $89^{\circ} 40'$  W.  
Thence I run from the  $\frac{1}{4}$  sec. cor.  
N.  $89^{\circ} 41'$  W.

43.30 Cross wash 15 lks. wide course N.

51.00 Cross wash 15 lks. wide course N.

54.60 Cross road bears N. and S.

55.00 Cross R. R. track bears N. W. and S. E.

57.25 Cross wash 25 lks. wide course N. and ascend.

65.50 Top of rocky ridge bears N. and S. and descend.

80.90 The cor. of secs. 33 and 34, Tp. 19 S. Rg. 22 E.

Land rolling.  
Soil, rocky and sandy; 3 rd. and 4 th. rate.  
No timber.  
Undergrowth catclaw and greasewood.  
Land covered with dense undergrowth 80.90 chs.

May 20, 1905.



LIST OF NAMES.

BOOK 1892

A list of the names of the individuals employed by **John F. Hesse**

....., United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of **the** **subdivisional lines of Tp. 20 S. Rg. 22 E.**

showing the respective capacities in which they acted:

**W. W. Oliver** ..... Chainman.

**B. M. Hyae** ..... Chainman.

**J. I. Nunez.** ..... Moundman.

..... Moundman.

..... Axman.

..... Axman.

**L. G. Smith** ..... Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted **John F. Hesse**

....., United States Deputy Surveyor, in surveying all those parts or portions of the **subdivisional lines of Tp. 20 S. Rg. 22 E.**

..... of the **Gila** **and Salt River** meridian, **Territory** of **Arizona**, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for **Arizona**

*W. W. Oliver* ..... Chainman.

*B. M. Hyae* ..... Chainman.

*J. I. Nunez* ..... Moundman.

..... Moundman.

..... Axman.

..... Axman.

*L. G. Smith* ..... Flagman.

Subscribed and sworn to before me this **15**

day of **June**, 190 **5**



No notary available.

*John F. Hesse*  
U.S. Deputy Surveyor

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, John F. Hesse, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Frank S. Ingalls United States Surveyor General for Arizona, bearing date of the 24th. day of January, 1905, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Arizona, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the subdivisional lines of Tp. 20 S. Rg. 22 E.

of the Gila and Salt River meridian, in the Territory of Arizona, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

John F. Hesse  
United States Deputy Surveyor.

Subscribed by said John F. Hesse, and sworn to before me }  
this 22<sup>nd</sup> day of June, 1905

Frank S. Ingalls  
U. S. Surveyor General  
for Arizona



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phelms, A. T. Jan 20<sup>th</sup>, 1906

The foregoing field notes of the survey of the subdivisional lines of T. 20 S. R. 22 E. of the Gila and Salt River Base and Meridian in the territory of Arizona

executed by John F. Hesse, U. S. deputy Surveyor under his contract No. 125, dated January 24, 1905, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank S. Ingalls  
United States 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.

\_\_\_\_\_  
United States Surveyor General.

Book "B"

BOOK - 1892

# FIELD NOTES

OF THE ~~SURVEY OF THE~~

SEGREGATION SURVEYS

IN

Tp. 20 S. R. 22 E.

Of the Gila and Salt River Base and Meridian,

AS SURVEYED BY

John F. Hesse, United States Deputy Surveyor,

Under his Contract No. 125, dated January 24th, 1905., 189

Survey commenced May 20th, 1905., 189

Survey completed June 24th, 1905., 189

NAMES AND DUTIES OF ASSISTANTS.

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Blank lined area for recording names and duties of assistants.

BOOK 1892

INDEX DIAGRAM.

Township....., Range.....

6	5	4	3	2	1
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19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Meanders Page.....

100  
36A

PRELIMINARY OATHS OF ASSISTANTS.

BOOK WE, 1892

W. W. Oliver

and

B. M. Hyde

do solemnly swear that we will well and faithfully execute the duties of chainmen, that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of patented mines in Tp. 20 S. R. 22 E.

W. W. Oliver

, Chainman.

B. M. Hyde

, Chainman.

Subscribed and sworn to before me this 20th day of May 1905, 189

John P. Kesse

U. S. Dep. Surveyor



WE, \_\_\_\_\_ and \_\_\_\_\_

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of patented mines in Tp. 20 S. R. 22 E.

\_\_\_\_\_, Moundman.

\_\_\_\_\_, Moundman.

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 189



WE, \_\_\_\_\_ and \_\_\_\_\_

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of patented mines in Tp. 20 S. R. 22 E.

\_\_\_\_\_, Axman.

\_\_\_\_\_, Axman.

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 189



I, \_\_\_\_\_, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of patented mines in Tp. 20 S. R. 22 E.

\_\_\_\_\_, Flagman.

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 189



Feet	
	Survey commenced May 30th, 1905, and executed with a Young and Sons Light Mountain Transit No. 7532, which was approved by the Surveyor General.
	I examine the adjustments of my instrument this day and find them satisfactory; I proceed to the S. and Mon. of the U. S. Standard Meridian at Tombstone, where at 8:15 A.M., l.m.t., by my watch, which has correct l.m.t., I set off 31° 43' N. on the Lat. arc, 19° 56' N. on the decl. arc, and observe a flag placed on the U. and Mon., upon which my meridian falls, about 5 inches to the right; I therefore conclude that my instrument is in good adjustment.
	I proceed to the Cor. point of Sections 1, 2, 11 and 12, Tp. 20 S. R. 22 E., previously determined by me under this Contract; thence I run S. 0° 01' E. bet. Secs. 11 and 12 on section line.
675.	Intersect line 2-3 of the Banner lode claim, Lot No. 185, at a point S. 17° 01' W. 417.3 ft. from Cor. No. 2 of said claim, and N. 17° 01' E. 202.7 ft. from Cor. No. 8 of the Way Up claim, Lot No. 55.
921.2	Intersect line 6-8 of the Way Up claim, at a point N. 48° 38' W. 518 ft. from Cor. No. 6 of the Way Up, and S. 48° 38' E. 79 ft. from Cor. No. 8 of said claim.
1623.2	Intersect line 6-5 of the Way Up lode claim, at a point N. 47° 14' E. 202.7 ft. from Cor. No. 5 of said claim, and S. 47° 14' W. 529.3 ft. from Cor. No. 6 of the said claim.
1805.4	Intersect line 3-5 of the Empire lode claim, Lot No. 46, at a point N. 72° 42' W. 265.7 ft. from Cor. No. 3 of said claim, and S. 72° 42' E. 328.3 ft. from Cor. No. 5 of said claim.
2706.8	Intersect line 2-3 of the Empire claim, at a point S. 17° 19' W. 860.3 ft. from Cor. No. 3 of the Empire claim, and N. 17° 19' E. 295 ft. from Cor. No. 2 of said claim.
2926.2	Intersect the N. W. side line of the Tranquility lode claim, Lot No. 49, at a point S. 54° 16' W. 122 ft. from the N. W. Cor. of said claim, and N. 54° 16' E. 1263 ft. from the S. W. Cor. of the Tranquility.
3656.1	Intersect line (S. E. side) of the Tranquility lode claim, at a point S. 53° 39' W. 588 ft. from the S. E. Cor. of said claim, and N. 53° 39' E. 797 ft. from the S. E. Cor. of the Tranquility claim.
3736.1	Intersect line 1-2 of the Yellow Jacket lode claim, not patented, at a point S. 24° 15' W. 131.3 ft. from Cor. No. 2 of said claim, and N. 24° 15' E. 267.7 ft. from Cor. No. 2 of the Contentment claim, Lot 68.
4032.2	Intersect line 1-2 of the Contentment lode claim and line 2-3 of the Contentment lode claim, Lot No. 37, at a point S. 65° 05' E. 121.6 ft. from Cor. No. 2-3 respectively of said claims, and N. 65° 05' W. 478.4 ft. from Cors. 1, 2 respectively of said lode claims.
5188.4	Intersect line 1-2 of the Contentment lode claim, at a point S. 24° 27' W. 1045.2 ft. from Cor. No. 2 of said claim, and N. 24° 27' E. 448.8 ft. from Cor. No. 1 of the said claim.
5280.	The Cor. of Secs. 11, 12, 13 and 14.
	-----000-----
	From the Cor. of Secs. 11, 12, 13 and 14, I run N. 89° 56' W. on sec. line bet. Secs. 11 and 14.
41.6	Intersect line 1-2 and 5-6 of the Contentment and New



Ch	Year lode claims, Lot No. 58, respectively, at a point N. 24° 27' E. 348.2 ft. from Cor. No. 1 of the Contention lode claim.
703.2	Intersect line 3-4 and 1-8 of the Contention and Flora Morrison, Lot No. 74 respectively, at a point N. 24° 15' E. 74.7 ft. from Cor. 4 of the Contention and 156.7 ft. from Cor. 1 of the Flora Morrison and S. 24° 15' W. 1425.3 ft. from Cor. 3 of the Contention and S. 24° 15' W. 655.3 ft. from Cor. 8 of the Flora Morrison.
1166.9	Intersect line 2-3 of the Flora Morrison at a point N. 68° 32' W. 128 ft. from Cor. 2 of the Flora Morrison and No. 5 of the Naunkeag, Lot 44, and S. 68° 32' E. 97 ft. from Cor. 3 of the Flora Morrison.
1425.5	Intersect line 6-7 of the Mayflower claim, Lot 190, at a point S. 44° 20' W. 427.9 ft. from Cor. 7 of said claim, and N. 44° 20' E. 416.1 ft. from Cor. 6 of said claim.
2016.5	Intersect line 4-6 of the Mayflower, Lot 190 at a point N. 45° 20' W. 423.4 ft. from Cor. 6 of said claim, and S. 45° 20' E. 175.6 ft. from Cor. 4 of said claim. Sur. No. 344,
2460.0	Intersect line 3-4 of the Hardup at a point S. 36° 15' W. 142 ft. from Cor. 3 of said claim, and N. 36° 15' E. 620 ft. from Cor. 4 of said claim.
3020.5	Intersect line 3-2 of the East Side, Lot 89, at a point S. 44° 12' W. 267.9 ft. from Cor. 3 of said claim, and N. 44° 12' E. 1075 ft. from Cor. 2 of said claim.
3152.0	Intersect line 6-7 of the Hardup claim, at a point N. 33° 08' E. 345.1 ft. from Cor. 6 of said claim, and S. 33° 08' W. 409.9 ft. from Cor. 7 of said claim, and S. 33° 08' W. 390.8 ft. from the intersection of said line 6-7 of the Hardup with line 3-5 of the East Side.
3770.1	Intersect line 6-7 of the East Side, at a point S. 41° 50' W. 777.7 ft. from Cor. 6 of said claim, and 117.7 ft. from Cor. 4 of the Blue Monday claim, Lot No. 81, and N. 41° 50' E. 472.2 ft. from Cor. 7 of the East Side, which is identical with Cor. No. 2 of the East Side No. 2, lot No. 124, on the east side line of the Lucky Cuss claim, Lot No. 40.
4084.7	Intersect line 2-3 of the Lucky Cuss claim at a point S. 0° 50' W. 318.1 ft. from Cor. 2 of said claim, identical with Cor. 2 of the Old Guard, Lot No. 181, and N. 0° 50' E. 351.9 ft. from Cor. 2 of the East Side No. 2, and 1165.9 ft. from Cor. No. 3 of the Lucky Cuss.
4681.3	Intersect line 1-4 of the Lucky Cuss, at a point S. 0° 31' W. 327 ft. from Cor. No. 1 of said claim, and Cor. No. 6 of the Old Guard, and N. 0° 31' E. 1158. ft. from Cor. No. 4 of the Lucky Cuss.
4890.3	Intersect line 2-3 of the Owl's <sup>Leg</sup> Hoot, Lot No. 126, at a point S. 32° 30' W. 395 ft. from Cor. 3 of the Owl's Last Hoot, identical with Cor. No. 1 of the Lucky Cuss and 6 of the Old Guard, and N. 32° 30' E. 385 ft. from Cor. 2 of the Owl's Last Hoot and Cor. 3 of the Owl's Nest, Sur. 259.
5299.3	The Cor. of Secs. 10, 11, 14 and 15.

From the Cor. of Secs. 10, 11, 14 and 15, U. S. Mineral Monument No. 2 bears S. 37° 45' E. 1776.7 ft. dist. Whence, from said Mineral Monument, witness Cor. to 1/4 section corner bet. Secs. 14 and 15 bears S. 42° 59' W. 1593.7 ft.

Feet.	
507.3	<p>From the Cor. of Secs. 2, 3, 10 and 11, I run S. 0° 01' E.</p> <p>Intersect line 2-3 of the Jennie Bell claim at a point S. 61° 06' E. 1085.8 ft. from Cor. 3 of the Jennie Bell claim, Sur. 539, and Cor. No. 5 of the Little Tom, Sur. 538, and N. 61° 06' W. 405.2 ft. from Cor. 2 of the Jennie Bell claim, identical with Cor. 6 of the Little Tom.</p>
1179.2	<p>Intersect line 2-3 of the Little Tom lode at a point N. 59° 30' W. 163.7 ft. from Cor. 2 of said claim, and S. 59° 30' E. 1333 ft. from Cor. No. 3 of said claim.</p>
1288.5 2640.	<p>U. S. Stand. Mer. N. End Mon. hrs. E. 1087.4 ft. Cor. 6 Aurora hrs. S. 29° 09' W. 368 ft. dist.</p> <p>I proceed to said corner; thence I run N. 43° 30' W. along the north end line of the Aurora lode, Sur. No. 550, 585 ft. to Cor. No. 4 on the easterly side line of the Laura English lode claim, Sur. No. 537, at a point S. 49° 08' W. 240 ft. from Cor. No. 5 of said lode claim; thence S. 45° 15' W. 1460. ft. to Cor. No. 5; thence S. 43° 20' E. 568.8 ft. to Cor. No. 1; thence N. 45° 54' E. 1468. ft. to Cor. No. 6.</p> <p>Beginning at Cor. No. 5 of the Laura English lode claim, thence N. 43° 10' W. along the north end line of said lode claim, 506 ft. to Cor. No. 3; thence S. 44° 14' W. 1050. ft. to Cor. No. 2, identical with Cor. No. 7 of the Tom English lode, Sur. No. 536; thence S. 43° 10' E. 404 ft. to Cor. No. 6, identical with Cor. No. 3 of the Tom English lode, thence S. 46° 45' W. 1300 ft. to Cor. No. 4; thence N. 43° 10' W. 322 ft. to Cor. No. 6; thence N. 43° 07' E. 1302 ft. to Cor. No. 7.</p> <p>From Cor. 6 of Laura English, I run N. 46° 45' E. 1048. ft. to Cor. 5 of said claim.</p>
5280.	<p>Returning to the 1/4 Sec. Cor. bet. Secs. 10 and 11, I continue S. 0° 01' E., and at The Cor. to Secs. 10, 11, 14 and 15.</p> <p style="text-align: center;">----o0o----</p>
919.2	<p>Returning to the Cor. to Secs. 2, 3, 10 and 11, I run, N. 89° 47' W. bet. Secs. 3 and 10.</p> <p>Intersect line 2-3 of the Jennie Bell lode claim at a point S. 61° 06' E. 35.9 ft. from Cor. No. 3-5 of the Jennie Bell and Little Tom lodes, respectively.</p>
957.3	<p>Intersect line 3-5 of the Little Tom lode claim at a point S. 21° 01' W. 18.6 ft. from Cor. No. 5 of the Little Tom and N. 21° 01' E. 539.4 ft. from Cor. No. 3 of the said lode claim.</p>
3513.9	<p>Cor. No. 3 of the Hazzard lode claim, Sur. No. 649, hrs. S. 1665.5 ft.</p> <p>From said Cor. No. 3 I run West 600 ft. along the N. end line of the Hazzard lode; thence S. 70° ft. to intersect the N. end line of the Dragon lode claim, at a point N. 66° 20' W. 140 ft. from Cor. No. 2 of said claim; 1100 ft. to Cor. No. 6 of the Hazzard; thence East 300 ft. to an intersection with the N. E. end line of the Good Samaritan lode claim at a point S. 30° 54' E. 300 ft. from Cor. No. 4 of said claim, 600 ft. to Cor. No. 2 of the Hazzard lode claim; thence N. 1100 ft. to Cor. No. 3.</p> <p>Beginning at Cor. No. 2 of the Dragon lode claim; I run N. 66° 20' W. 600 ft. to Cor. No. 7; thence S. 20° 54' W. 1465 ft. to Cor. No. 6; thence S. 66° 20' E. 600 ft. to Cor. No. 4; thence N. 20° 54' E. 1465 ft. to Cor. No. 2.</p>

Feet.

- Beginning at Cor. No. 4 of the Good Samaritan lode claim, I run S.  $30^{\circ} 54'$  E. 600 ft. to Cor. No. 6; thence S.  $44^{\circ} 33'$  W. 312 ft. to intersect line 2-6 of the Bunker Hill lode claim, Sur. No. 651, at a point S.  $38^{\circ} 37'$  E. 93 ft. from Cor. No. 2 of said claim, 486 ft. to intersect line 4-6 of the Blue Jacket lode, at a pt. S.  $63^{\circ} E.$  47 ft. from Cor. No. 4 of said claim; 665 ft. to intersect line 3-4 of the Blue Jacket lode claim, Sur. No. 403 at S.  $29^{\circ} 25'$  W. 171 ft. to Cor. No. 4 of said claim; 1330 ft. to Cor. No. 7 of the Good Samaritan; thence N.  $30^{\circ} 54'$  W. 600 ft. to Cor. No. 3; thence N.  $44^{\circ} 33'$  E. 456 ft. to intersect line 4-6 of the Dragoon lode at N.  $66^{\circ} 20'$  W. 96 ft. from Cor. No. 4, 1330 ft. to Cor. No. 4 of the Good Samaritan.
- Beginning at Cor. No. 2 of the Bunker Hill lode claim, I run N.  $61^{\circ} 54'$  E. 300 ft. to Cor. No. 6 of the Good Samaritan, 1500 ft. to Cor. No. 3 of the Bunker Hill; thence S.  $38^{\circ} 37'$  E. 600 ft. to Cor. No. 5; thence S.  $61^{\circ} 54'$  W. 1500 ft. to Cor. No. 6; thence N.  $27^{\circ} 37'$  W. 600 ft. to the place of beginning.
- 5293.2 The Cor. of Secs. 3, 4, 9 and 10.
- 000----
- 624.2 From the Cor. of Secs. 10, 11, 14 and 15, I run, S.  $0^{\circ} 02'$  E. bet. Secs. 14 and 15. Intersect line 2-3 of the Owl's Nest claim, at a point N.  $34^{\circ} 05'$  E. 1107.3 ft. from Cor. No. 2 of the said claim, identical with Cor. No. 2 of the Silver Bell, Sur. No. 293, and S.  $34^{\circ} 05'$  W. 360.7 ft. from Cor. No. 3 of the Owl's Nest claim.
- 1681.7 Intersect line 5-6 of the Owl's Nest claim, and 6-7 of the Wedge claim, Sur. No. 367, at a point N.  $33^{\circ} 40'$  E. 252.7 ft. from Cor. No. 6 of the Owl's Nest claim and S.  $33^{\circ} 40'$  W. 749.3 ft. from Cor. No. 5 of said claim.
- 2523.3 Intersect line 2-3 of the Sunset Mine, Lot No. 50, at a point N.  $43^{\circ} 59'$  E. 121.2 ft. from Cor. No. 2 and S.  $43^{\circ} 59'$  W. 769.8 ft. from Cor. No. 3 of said claim.
- 2570.7 Witness  $1/4$  Sec. Cor. bet. Secs. 14 and 15, from which Cor. 2 of the Sunset Mine bears S.  $63^{\circ} 12'$  W. 92 ft.
- 2689.8 Intersect line 2-6 of the Sunset Mine, at a point S.  $46^{\circ} 15'$  E. 112.3 ft. from Cor. No. 2, and N.  $46^{\circ} 15'$  W. 487.7 ft. from Cor. No. 6 of said claim. From Cor. No. 6 of the Sunset Mine, I run N.  $44^{\circ} E.$  891 ft. to Cor. No. 5 of said claim; thence N.  $46^{\circ} W.$  600 ft. to Cor. No. 3. From witness  $1/4$  Cor. Cor. 2 of the Longfellow lode, identical with Cor. No. 2 of the Sunset Mine, bears S.  $63^{\circ} 12'$  W. 92 ft. From said witness corner, corner No. 6 of the Owl's Nest claim bears N.  $11^{\circ} 41'$  W. 692 ft. From said witness corner Cor. No. 3 of the Prompter bears S.  $33^{\circ} 58'$  E. 403 ft.
- 3931.5 Intersect line 5-6 of the Black Top claim, Sur. No. 431, at a point N.  $70^{\circ} W.$  221.1 ft. from Cor. No. 6 and S.  $70^{\circ} E.$  78.9 ft. from Cor. No. 5 of said claim.
- 5185.5 Intersect line 2-6 of the Black Top, at a point S.  $10^{\circ} W.$  1196.6 ft. from Cor. No. 6 of said claim, and N.  $10^{\circ} E.$  303.4 ft. from Cor. No. 2 of said claim.

Feet.  
5280.

The Cor. of Secs. 14, 15, 22 and 23, as heretofore described by me in book of subdivisions.

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16.6 From the Cor. of Secs. 14, 15, 22 and 23, I run, N. 89° 45' W. bet. Secs. 15 and 22, on Sec. line. Intersect line 2-6 of the Black Top Claim, at a point N. 10° E. 207.4 ft. from Cor. 2 of said claim.

526.6 From Cor. 2 of said claim, the Cor. to Secs. 14, 15, 22 and 23 bears N. 14° 27' E. 211 ft. dist. Intersect line 2-3 of the Black Top Claim, at a point N. 10° E. 30.5 ft. from Cor. No. 3 of the said claim, and S. 10° W. 1169.5 ft. from Cor. No. 4 of the said Black Top claim, and 469.5 ft. from Cor. No. 2 of the Blue Top claim, Sur. No. 428.

From Cor. No. 5 of the Black Top, Cor. No. 4 of said claim bears S. 48° 25' W. 335 ft. From Cor. No. 3 of the Black Top, identical with Cor. 3 of the Blue Top, I run S. 70° E. 262 ft. to Cor. No. 4 of the Blue Top, 510 ft. to Cor. No. 5 of the Black Top.

873.9 Intersect line 6-7 of the Blue Top claim, at a point S. 10° W. 529.8 ft. from Cor. No. 7 of the Blue Top and 109.8 ft. from Cor. No. 2 of the Grand Portage, Sur. No. 432, and N. 10° E. 970.2 ft. from Cor. No. 6 of the Blue Top, which is identical with Cor. 3 of the Grand Portage.

From said Cor. No. 3 of the Grand Portage claim I run S. 80° E. 7 ft. to Cor. No. 4 of the Grand Portage, 600 ft. to Cor. No. 5 of the Blue Top; thence N. 10° E. 955 ft. to Cor. No. 4 of the Blue Top.

1320.8 From Cor. No. 7 of the Blue Top claim, Cor. No. 2 of the Blue Top claim bears S. 80° E. 342 ft. Intersect line 6-7 of the Grand Portage, at a point S. 20° W. 264.5 ft. from Cor. No. 7, and N. 20° E. 1235.5 ft. from Cor. No. 6 of the said claim.

From Cor. No. 6 I run S. 70° E. 593 ft. to Cor. No. 5; thence N. 20° E. 438 ft. to Cor. No. 4.

5287.9 From Cor. No. 7 of said claim I run S. 70° E. 400 ft. to Cor. No. 2.

The Cor. to Secs. 15, 16, 20 and 21, heretofore established and described by me

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548.9 From the Cor. of Secs. 11, 12, 13 and 14 I run S. 0° 01' E. bet. Secs. 13 and 14 on section line. Intersect line 2-6 of the New Year's claim at a point S. 65° 03' E. 265.1 ft. from Cor. No. 6 of the New Year's and N. 65° 03' W. 334.9 ft. to Cor. No. 2 of said claim.

From Cor. No. 6 of the New Year's claim Cor. 1 of the Contention lode claim brs. N. 24° 27' E. 132 ft.

2174.3 Intersect line 3-4 of the Morning Star claim at a point S. 22° 05' W. 379 ft. from Cor. No. 4, and N. 22° 05' E. 1041. ft. from Cor. No. 3 of the Morning Star claim, Sur. No. 795.

From which Cor. No. 3, the 1/4 Sec. Cor. bet. Secs. 13 and 14 bears N. 38° 06' E. 634 ft.

3212.9 Intersect line 3-4 of the Wild West claim, Sur. No. 759, at a point N. 84° 20' E. 568.5 ft. from Cor. No. 3 of the Wild West claim and S. 84° 20' W. 789.5 ft. from Cor. 4 of said claim.

3297.6 Intersect line 3-7 of the Morning Star claim at a point S. 67° 55' E. 422.1 ft. from Cor. No. 3

Feet.	
	of said claim, and N. 67° 55' W. 177.9 ft. from Cor. No. 7 of the said claim; thence I run, from said Cor., N. 32° 05' E. 1420 ft. to Cor. No. 6 of the said claim; thence N. 67° 55' W. 600 ft. to Cor. No. 4. From the 1/4 Sec. Cor., bet. Secs. 13 and 14, U. S. Mineral Mon. No. 1 bears N. 39° 20' W. 2413.62 ft. dist.
	From Cor. No. 3 of the Morning Star claim, Cor. No. 3 of the Bunker Hill claim bears S. 30° 22' E. 61 ft.; thence I run N. 88° 40' W. 1442 ft. to Cor. No. 2 of the Bunker Hill claim, Lot No. 195; thence S. 0° 26' E. 527.2 ft. to Cor. No. 6; thence S. 89° 24' E. 488 ft. to Cor. No. 3 of the Rattlesnake claim, and 3 of the Mammoth lode claim; thence S. 89° 27' E. 953.2 ft. to Cor. No. 5; thence N. 0° 26' W. 590 ft. to Cor. No. 3.
3310.8	Intersect line 6-7 of the Wild West claim at a point S. 84° 27' W. 794.8 ft. from Cor. 6 of said claim, and N. 84° 27' E. 511.8 ft. to Cor. No. 7 of said claim. From Cor. No. 6 of the Wild West claim I run N. 0° 26' W. 600 ft. to Cor. No. 4, and from Cor. No. 3 of the Wild West claim I run S. 5° 40' E. 600 ft. to Cor. No. 7.
3813.4	Intersect line 5-6 of the Rainbow lode claim at a point N. 85° 24' E. 154.2 ft. and S. 85° 24' W. 1345.2 ft. from Cor. 5 of said claim. From Cor. No. 5 of said claim, Cor. No. 3 hrs. S. 1° 29' W. 600 ft.
4376.9	Intersect line 2-3 of the Rainbow claim, Sur. No. 817 at a point S. 86° 54' W. 1325.7 ft. from Cor. No. 3, and N. 86° 54' E. 169.3 ft. from Cor. No. 2, which is identical with Cor. No. 5 of the Mammoth claim, whence Cor. No. 6 of this claim hrs. N. 1° 29' E. 560.5 ft., and Cor. No. 3 of the Mammoth lode claim hrs. N. 1° 29' E. 600 ft. From Cor. No. 3 of the Mammoth claim Cor. No. 2 of the said lode hrs. N. 89° 27' W. 1152 ft. Whence Cor. No. 6 hrs. S. 2° 20' W. 403 ft.
5280.	The Cor. of Secs. 13, 14, 23 and 24. From this Cor. U.S.M.M. No. 6 hrs. S. 64° 17' W. 41.82 chains. (2760.12 ft.)
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	From the Cor. of Secs. 13, 14, 23 and 24, I run WEST bet. Secs. 14 and 23.
2223.4	Intersect line 5-6 of the Waubun, Sur. 637, at a point N. 22° 43' E. 557.5 ft. from Cor. No. 5, and S. 22° 43' W. 745.5 ft. from Cor. No. 6, whence Cor. No. 2 of the said claim hrs. N. 64° 19' W. 600 ft.
2880.5	Intersect line 2-3 of the Waubun, and line 6-7 of the Emerald, Sur. 608, at a point S. 22° 50' W. 1030.2 ft. from Cor. No. 2 of the Waubun, and 1342.2 ft. from Cor. No. 7 of the Emerald, and N. 22° 50' E. 66.8 ft. from Cor. No. 6 of the Emerald, identical with Cor. No. 7 of the Silver Plume, Lot No. 65, from which said Cor. Cor. No. 3 of the Waubun hrs. S. 21° 15' W. 206 ft., identical with Cor. No. 4 of the Side Wheel, Lot No. 165, whence Cor. No. 5 of the Waubun and 6 of the Side Wheel hrs. S. 64° 19' W. 600 ft.
3039.9	Intersect line 4-6 of the Emerald at a point S. 65° 16' E. 269.2 ft. from Cor. No. 4 of the said claim, and N. 65° 16' W. 148.8 ft. from Cor. No. 5 of the said claim.
3079.3	Intersect line 3-7 of the Silver Plume, Lot No. 65,

Feet.	
3141.4	<p>at a point N. 70° 22' W. 185.3 ft. from Cor. No. 7 of the said claim, and S. 70° 22' E. 337.7 ft. from Cor. No. 3 of the Silver Plume.</p> <p>Intersect line (East side) of the Hidden Treasure, Sur. No. 676, at a point S. 8° 06' W. 602. ft. from the N.E. Cor. of the said claim, and N. 8° 06' E. 896. ft. from the S.E. Cor. of said claim. Whence, from the S. E. Cor. of said claim the S. W. Cor. of the claim hrs. N. 81° 50' W. 596 ft.</p>
3335.3	<p>Intersect line 3-4 of the Silver Plume, at a pt. S. 21° 50' W. 86 ft. from Cor. No. 3, and N. 21° 50' S. 1142. ft. from Cor. No. 4. From which Cor. Cor. No. 6 hrs. S. 70° 22' E. 438 ft. Whence from Cor. No. 6, Cor. No. 7 hrs. N. 21° 15' E. 1330 ft.</p>
3711.0	<p>Intersect the west side line of the Hidden Treasure lode at a point S. 10° 02' W. 683.0 ft. from the N. W. Cor.</p> <p>From which N. W. Cor. the N. E. Cor. of the claim hrs. S. 81° 51' E. 541 ft.</p> <p>At a point N. 10° 02' E. 868.3 ft. from the S. W. Cor. of the Hidden Treasure lode.</p>
3947.3	<p>Intersect line 6-7 of the Mexican lode claim, Sur. 682, at a point N. 21° 08' E. 309.0 ft. from Cor. No. 7, and S. 21° 08' W. 755.0 ft. from Cor. No. 6.</p> <p>From Cor. No. 7 of the Mexican, Cor. No. 3 of said claim bears S. 61° 57' E. 276 ft. (identical with the N.E.C. Mon. of the Verde lode claim) and Cor. 3 of the Verde, Sur. No. 348, hrs. S. 61° 57' E. 535 ft. from Cor. 6 of the Verde, (identical with Cor. 7 of the Mexican).</p> <p>From Cor. No. 6 of the Mexican, Cor. 5 of said claim hrs. S. 61° 16' E. 41 ft., from which Cor. Cor. 4 of the Mexican bears S. 1° 16' E. 90 ft.</p> <p>From Cor. 4 of the Mexican, Cor. 3 of the Mexican hrs. S. 10° 02' W. 1031 ft.</p> <p>From Cor. No. 6 of the Verde, I run S. 20° 13' W. 1066 ft. to Cor. No. 5; thence S. 61° 15' E. 263 ft. to Cor. No. 4; thence S. 69° 19' E. 260 ft. to Cor. No. 3; thence N. 21° 50' E. 1038 ft. to Cor. No. 2; thence N. 61° 57' W. 259 ft. to the N.E.C. on the West Side Line of the Hidden Treasure lode claim.</p> <p>From Cor. No. 3 of the Waubun, identical with Cor. 4 of the Side Wheel, Sur. 643, I run S. 20° 13' W. 1062. ft. to Cor. No. 3, on the east side line of the Rattling Boy, Sur. 639, at a point S. 1° 25' E. 43 ft. from Cor. 6 of the Silver Plume, and 3 of the Rattling Boy; thence S. 64° 19' E. 441 ft. to Cor. No. 7, identical with Cor. 3 of the Huguenot, Sur. 638, thence N. 28° 44' E. 1061.2 ft. to Cor. 6, identical with Cor. 5 of the Waubun; thence N. 64° 19' W. 600 ft. to Cor. 4.</p> <p>Huguenot:- From Cor. 2 of the Huguenot, identical with Cor. 7 of the Side Wheel I run S. 5° 36' E. 60 ft. intersect the line 5-6 of the Little Pedro lode claim, Lot 96, at a point S. 39° 38' E. 285 ft. from Cor. 5 of said claim; at 661 ft. intersect line 2-3 of the Little Pedro claim; at a point S. 39° 54' E. 350 ft. from Cor. No. 3 of the said claim; 889 ft. to Cor. 3 of the Huguenot; thence N. 64° 19' W. 515 ft. to Cor. 5; thence N. 1° 25' W. 321.5 ft. to Cor. 4 of the Rattling Boy; 853 ft. to Cor. 6, identical with Cor. 3 of the Side Wheel.</p> <p>RATTLING BOY:- From Cor. 4 of said claim, I run N. 70° 22' W. 431 ft. to Cor. No. 6 of said claim; thence N. 2° 00' W. 575 ft. to Cor. No. 7, iden-</p>

Feet.

tical with Cor. 4 of the Silver Plume, on the east side line of the Verde claim.  
 LITTLE PEDRO LODGE CLAIM:- Beginning at Cor. 5, thence I run S. 89° 32' E. 1050 ft. to Cor. 6, identical with Cor. 8 of the Big Pedro; thence S. 1° 25' W. 595 ft. to Cor. 2, identical with Cor. 7 of the Big Pedro claim; thence N. 39° 54' W. 198 ft. to Cor. 6 of the Big Pedro; 1050 ft. to Cor. 3 of the Little Pedro; thence N. 1° 25' E. 600 ft. to Cor. 5.

BIG PEDRO LODGE CLAIM, LOT 94:- From Cor. No. 8 I run S. 70° 31' E. 553 ft. to Cor. No. 3, identical with Cor. 3 of the Accident; thence S. 17° 59' W. 1074 ft. to Cor. 4; thence N. 70° 31' W. 583 ft. to Cor. 5; thence N. 19° 35' E. 443 ft. to Cor. 6.

ACCIDENT, LOT NO. 140:-From Cor. No. 3, I run S. 17° 59' W. along the East side line of the Big Pedro, 568 ft. to Cor. No. 4; thence S. 34° 05' E. 540 ft. to Cor. 6; thence N. 16° 45' E. 699 ft. to Cor. 7; thence N. 84° 05' W. 540 ft. to Cor. 2; thence S. 11° 10' W. 132 ft. to Cor. No. 3.

HONEY COMB LODGE:- Sur. NO. 480. From Cor. 2 of the Accident claim, Lot 140, I run N. 39° W. 234 ft. to S.W.C. Mon. of the Honey Comb; from Cor. 8 I run N. 42° 18' W. 455 ft. to Cor. No. 2; thence N. 52° 45' W. 485 ft.; thence N. 57° 45' W. 383 ft.; thence S. 42° 18' W. 480 ft.; thence S. 57° 45' W. 383 ft. to Cor. 7; thence S. 56° 15' E. 488 ft.; to Cor. No. 8

4449. Intersect line 2-3 of the Nicholas claim, Sur. 886, at a point S. 16° 34' W. 192.5 ft. from Cor. 2, identical with Cor. No. 4 of the Extacy, Lot 77, and N. 16° 34' E. 1228.5 ft. from Cor. No. 3 of the Nicholas.

4487.3 Intersect line 5-6 of the Nicholas lode claim, at a point N. 23° 04' E. 1248.9 ft. from Cor. 5 of said claim, and S. 33° 04' W. 224.1 ft. from Cor. 6 of the said claim, from which latter corner, Cor. 2 bears S. 36° 57' E. 406.5 ft.

5290. The Cor. of Secs. 14, 15, 22 and 23.

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From the Cor. of Secs. 14, 15, 22 and 23, I run, S. 0° 01' E. bet. Secs. 22 and 23.

945.6 Intersect line 5-6 of the Nicholas lode claim, at a point N. 23° 04' E. 221.1 ft. from Cor. No. 5

1153.6 Intersect line 3-5 of the Nicholas claim at a point S. 36° 57' E. 26.7 ft. and N. 36° 57' W. 491.3 ft. from Cor. 3 of the said claim.

2837.5 A point on line, from which Cor. 4 of the Crown Point lode claim, Sur. No. 425, hrs. E. 313.1 ft.

CROWN POINT:- From Cor. No. 4 of the said claim, I run N. 13° 30' E. 1321 ft. to Cor. 5; thence S. 68° E. 529 ft. to Cor. 2; thence S. 19-1/2° W. 1320 ft. to Cor. 3; thence N. 68° W. 508 ft. to Cor. 4.

4433.3 A point on line, whence Cor. 1 of the Basset Ledge claim bears W. 2365.9 ft.

Basset Ledge Claim:- Sur. 424: From Cor. 1 of said claim I run N. 79° E. 1132 ft. to Cor. No. 2; thence S. 17-1/2° E. 596 ft. to Cor. No. 4; thence S. 81° W. 1118 ft. to Cor. No. 5; thence S. 64-1/2° W. 310 ft. to Cor. No. 6; thence N. 17-1/2° W. 594 ft. to Cor. No. 7; thence N. 74-1/4° E. 293 ft. to Cor. 1.

5280. The Cor. of Secs. 22, 23, 26 and 27.

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109  
Valley

- Feet. *POINT*
- 2603.7 From the Cor. of Secs. 1, 2, 11 and 12 I run, N. 89° 51' W., and at <sup>POINT</sup> intersect line 2-3 of the North Extension of the Mountain Maid lode claim, at a point N. 29° 20' W. 68.8 ft. from Cor. 2 of the said claim, and S. 29° 20' E. 613.2 ft. from Cor. 3.
- 2708. The closing corner of the West boundary of the Tombstone Townsite, from which Cor. 6 and 7 of the Vizina and 1st N. Extension of the Mountain Maid lode, respt., brs. S. 19° 15' W. 592 ft.
- 3265.2 Intersect line 6-7 of the 1st North Extension of the Mountain Maid lode claim, at a point N. 32° 10' W. 665.9 ft. from Cor. No. 7 and S. 32° 10' E. 763.1 ft. to Cor. No. 6.
- 1st N. Extension of the Mountain Maid claim:-  
From Cor. No. 6 of said claim I run N. 33° 45' E. 322.4 ft. to Cor. No. 5; thence N. 42° 20' E. 137 ft. to Cor. 4; thence S. 45° E. 695 ft. to Cor. No. 3; thence S. 29° 20' E. 682 ft. to Cor. No. 2; thence S. 33° 45' W. 600 ft. to Cor. No. 7.
- LALLA ROCK, SUR. NO. 457:- Beginning at Cor. No. 5, on the East side line of the 1st North Extension of the Mountain Maid lode, at a point N. 45° W. 75.5 ft. from Cor. No. 3 of said claim, I run N. 45° W. 1300 ft. to Cor. No. 6; thence N. 36° E. 267 ft. to Cor. No. 1; thence N. 49° E. 288.5 ft. to Cor. No. 2; thence S. 42° 20' E. 1322 ft. to Cor. No. 3; thence S. 39° W. 488.5 ft. to Cor. No. 5.
- 3937.4 Intersect line 2-3 of the Poor X claim, Lot 66, at a point N. 32° 32' W. 1196.3 ft. from Cor. Nos. 3-4 of the Survey and Vizina lodes respectively, and 1030.3 ft. from Cor. No. 2 of the Poor X claim and S. 32° 32' E. 469.7 ft. from Cor. No. 3 of the Poor X.
- 4479.5 Intersect line 3-5 of the Poor X at a point N. 35° 52' E. 96 ft. from Cor. No. 5, identical with Cor. No. 7 of the Hattie Wheeler lode claim, Lot 79, and Cor. 2 of the Hardup claim, Sur. 552, and S. 35° 52' W. 490 ft. from Cor. No. 3 of the Poor X claim.
- Poor X, LOT No. 66:- From Cor. No. 5 I run S. 32° 12' E. 1500 ft. to Cor. No. 6, identical with Cor. No. 6 of the Survey lode, Sur. 267; thence N. 35° 52' E. 396 ft. to Cor. No. 5 of the Survey; thence N. 35° 52' E. 391 ft. to Cor. No. 2.
- 4710.6 Intersect line 6-7 of the Hattie Wheeler claim, not patented, Lot 79, at a point N. 66° W. 191.2 ft. from Cor. No. 7, and 46.3 ft. from Cor. No. 1 of the Hardup claim.
- 4972.7 Intersect line 5-6 of the Jennie Bell claim, Sur. No. 539, at a point N. 61° 06' W. 294 ft. from Cor. No. 6 of said claim
- 5286.6 The Cor. to Secs. 2, 3, 10 and 11.

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- From the Cor. to Secs. 2, 3, 10 and 11 I run N. 0° 2' W. bet. Secs. 2 and 3.
- 173.3 Intersect line 5-6 of the Jennie Bell claim, at a point S. 61° 06' E. 841 ft. from Cor. No. 5 of the said claim, and N. 61° 06' W. 650 ft. from Cor. No. 6 of said claim.
- JENNIE BELL, SUR. NO. 539:- From Cor. No. 6 I run S. 21° 01' W. 600 ft. to Cor. No. 3, identical with Cor. 6 of the Little Tom claim. From Cor. No. 5 of the Jennie Bell claim I run S. 21° 01' W. 600 ft. to Cor. No. 3, identical with Cor. 5 of the Little Tom claim.
- 256.4 Intersect line 6-7 of the Hattie L. Wheeler claim, at a point S. 66° E. 678.2 ft. from Cor. No. 6, and N. 66° W. 821.8 ft. from Cor. No. 7.

Not Patented

16

Feet.	
851.6	<p>Intersect line 3-4 of the Hattie L. Wheeler claim, at a point S. 58° 30' E. 316.3 ft. from Cor. No. 4 of said claim; from which corner Cor. No. 6 hrs. S. 35° 52' W. 597 ft., and N. 58° 30' E. 689.7 ft. from Cor. No. 3.</p> <p>HATTIE L. WHEELER CLAIM, LOT 79:- From Cor. No. 3 I run S. 32° E. 472 ft.; thence S. 27-3/4° W. 300 ft. to Cor. No. 1; thence S. 35° 52' W. 299 ft. to Cor. No. 7.</p> <p style="text-align: center;">-----000-----</p> <p>From the Cor. to Secs. 8, 9, 16 and 17, U.S.M.P. No. 5 hrs. N. 42° 54' W. 2731.2 ft. From which monument the 1/4 Sec. Cor. bet. Secs. 8 and 9 hrs. N. 71° 02' E. 1967 ft. From the Cor. of Secs. just mentioned above I run S. 89° 59' W. bet. Secs. 6 and 17.</p>
847.5	<p>Intersect line 3-4 of the San Pedro claim, Lot No. 73 at a point N. 36° 31' E. 323.2 ft. from Cor. No. 4; thence S. 36° 31' W. 1176.8 ft. from Cor. No. 2.</p> <p>From Cor. No. 4 of said claim the Cor. to Secs. 8, 9, 16 and 17 hrs. N. 75° 56' E. 1071.2 ft.</p>
1374.6	<p>Intersect line 1-4 of the San Pedro claim at a point S. 52° 12' E. 174.3 ft. from Cor. No. 1, and N. 52° 12' W. 424.7 ft. from Cor. No. 4.</p> <p>SAN PEDRO CLAIM, LOT 75:- From the Cor. No. 1, which is identical with Cor. No. 6 of the True Blue claim, Lot No. 54, I run N. 36° 35' E. 1500 ft. to Cor. No. 2. Thence S. 52° 20' E. 594 ft. to Cor. No. 3.</p>
1648.3	<p>Intersect line 1-2 of the True Blue claim, at a point S. 33° 20' W. 167.4 ft. from Cor. No. 1 of the said claim, and N. 33° 20' E. 25.6 ft. from Cor. No. 2 of said claim.</p>
1696.3	<p>Intersect line 2-3 of the True Blue claim at a point N. 52° 50' W. 40.3 ft. from Cor. No. 2, and S. 58° 50' E. 67.0 ft. from Cor. No. 3 of said claim.</p> <p>TRUE BLUE CLAIM, LOT 54:- From Cor. 3, I run N. 32° 10' E. 1368 ft. to Cor. No. 4; thence S. 58° 50' E. 252.6 ft. to Cor. No. 5, on the west side line of the San Pedro claim; thence S. 36° 35' W. 1203.84 ft. to Cor. No. 6, identical with Cor. No. 1 of the San Pedro; thence N. 52° 12' W. 55 ft. to Cor. No. 1.</p>
1309.8	<p>From the Cor. of Secs. 9, 10, 15 and 16, S. 0° 2' E. bet. Secs. 15 and 16.</p> <p>Intersect line 2-6 of the Mamie lode claim, Sur. 618, at a point N. 50° 04' W. 293.7 ft. from Cor. No. 6 of the Mamie lode and S. 50° 04' E. 282.6 ft. from Cor. No. 2 of the Mamie.</p>
2022.6	<p>Intersect line 5-6 of the Mamie at a point S. 23° 15' W. 570.60 ft. from Cor. No. 6 and N. 23° 15' E. 932.4 ft. from Cor. No. 5 of said claim.</p>
2640.	<p>The 1/4 Sec. Cor. bet. Secs. 15 and 16. Whence, Cor. No. 5 of the Mamie hrs. S. 56° 58' W. 439 ft. and Cor. No. 6 of the Standard, Sur. 801, hrs. N. 49° 42' E. 336 ft.</p> <p>MAMIE CLAIM, LOT 618:- From Cor. No. 5, I run N. 50° 04' W. 573 ft. to Cor. No. 3. Thence N. 23° 15' E. 1500 ft. to Cor. No. 2.</p> <p>FRANKLIN LODGE, SUR. 404:- From Cor. No. 2 I run S. 23° 14' W. 498 ft. to Cor. No. 3 of the Mamie claim; thence S. 19° 10' W. 380.8 ft. to Cor. No. 3; thence N. 67° W. 586.5 ft. to Cor. No. 5;</p>

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17  
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Feet.	
	thence N. 21° 44' E. 934.2 ft. to Cor. No. 6; thence S. 67° W. 300 ft. to Cor. No. 1; thence S. 56° E. 287.5 ft. to Cor. No. 2, the place of beginning.
3012.3	STANDARD LODGE, SUR. No. 801:- Beginning at Cor. No. 6, thence I run N. 3° 36' E. 1415 ft. to Cor. No. 7; thence S. 86° 34' E. 600 ft. to Cor. No. 3; thence S. 3° 36' W. 1415 ft. to Cor. No. 4; thence N. 86° 24' W. 600 ft. to Cor. 6, the place of beginning. Intersect line 2-3 of the Junetta lode, Sur. No. 447, at a point S. 65° 30' W. 1416.5 ft. from Cor. No. 3 of the said claim, and N. 65° 30' E. 481.5 ft. to Cor. No. 2 of said claim. From which latter Cor. Cor. 5 of the Marie claim hrs. N. 11° 54' E. 340 ft.
3671.7	Intersect line 5-6 of the Junetta at a point N. 65° 30' E. 209.3 ft. from Cor. No. 6 of said claim, and S. 65° 30' W. 1290.7 ft. from Cor. No. 5 of said claim.
4185.5	JUNETTA, SUR. 447:- From Cor. No. 3 of the said claim I run S. 24° 23' E. 600 ft. to Cor. No. 5; and from Cor. No. 6, identical with Cor. 4 of the Sunset claim, Sur. 607, I run N. 24° 23' W. 600 ft. to Cor. No. 2.
4337.4	Intersect line 3-5 of the Sunset claim, at a point S. 24° 23' E. 461.5 ft. from Cor. 5 of said claim, and N. 24° 23' W. 138.5 ft. from Cor. No. 3 of said claim.
5280.	Intersect line 2-3 of the Sunset claim, at a point N. 65° 45' E. 1437.3 ft. from Cor. No. 2; thence S. 64° 45' W. 62.7 ft. to Cor. No. 2. SUNSET LODGE, SUR. 607:- From Cor. No. 1 I run N. 24° 22' W. 594. ft. to Cor. No. 6; thence N. 65° 30' E. 1500 ft. to Cor. No. 5. The Cor. of Secs. 15, 16, 31 and 32.

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	From the Cor. of Secs. 3, 4, 33 and 34 I run West on the North boundary of Sec. 4.
345.5	Intersect line 2-3 of the Water Vale Mill-site, Sur. 469, at a point N. 18-1/2° W. 179.3 ft. from Cor. No. 3, and S. 18-1/2° E. 348.7 ft. from Cor. No. 2.
781.5	Intersect line 1-8 of the Water Vale Millsite, at a point S. 25° 25' E. 212 ft. from Cor. No. 1, and 652 ft. from Cor. No. 4 of the San Diego Millsite, Lot No. 101 B.
	WATER VALE MILLSITE:- SUR. 469: From Cor. 1, I run N. 71-1/2° E. 439 ft. to Cor. 2; thence S. 18-1/2° E. 528 ft. to Cor. No. 3; thence S. 71-1/2° W. 369 ft. to Cor. No. 4; thence N. 18-1/2° W. 91 ft. to Cor. No. 5; thence S. 71-1/2° W. 70 ft. to Cor. No. 6, identical with Cor. No. 1 of the San Diego Millsite; thence N. 18-1/2° W. 90 ft. to Cor. No. 7; identical with Cor. 6 of the San Diego Millsite; thence N. 71° 30' E. 44 ft. to Cor. No. 8; identical with Cor. 5 of the San Diego Millsite; thence N. 25° 3/4' W. 350 ft. to Cor. No. 1.
	SAN DIEGO MILLSITE, LOT No. 101 B:- From Cor. No. 4, I run S. 71° 37' W. 250 ft.; thence S. 25° 45' W. 880 ft. to Cor. No. 2; thence N. 71° 30' E. 195 ft. to Cor. No. 1. (Not patented).

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From the Cor. of Secs. 3, 9, 16 and 17, I run S. 89°

Feet.

2278. 49' E. bet. Secs. 9 and 16.  
Intersect line 2-3 of the Merrimac lode claim, Lot No. 51, at a point S. 32° 27' W. 267.3 ft. from Cor. No. 2, and N. 32° 27' E. 1191.3 ft. from Cor. No. 3, which is identical with Cor. No. 6 of the Triple X, Sur. No. 577.

2649.2 1/4 Sec. Cor. bet. Secs. 9 and 16. From which the N. E. C. of the Merrimac lode hrs. N. 20° 56' E. 70 ft. dist.

2777.2 Intersect line 2-6 of the Merrimac lode claim at a point N. 57° 29' W. 177.2 ft. from Cor. No. 6 of said claim.  
Merrimac Lode, Lot 51:- From said Cor. 6 I run S. 32° 27' W. 117.6 ft. to Cor. No. 3 of the Clipper lode claim, Sur. No. 273; 1458.6 ft. to Cor. No. 5, identical with Cor. No. 2 of the Clipper; thence N. 57° 29' W. 600 ft. to Cor. No. 3 of the Merrimac, identical with Cor. 6 of the Triple X and Cor. 3 of the Maine, Sur. 579.  
CLIPPER CLAIM:- Sur. 273.  
From Cor. No. 3 I run S. 56° 05' E. 415 ft. to Cor. No. 5; thence S. 32° 27' W. 1418 ft. to Cor. No. 6; thence N. 56° 05' W. 437 ft. to the S. W. Cor.; thence N. 50° 55' E. 80 ft. to Cor. No. 2, identical with Cor. 5 of the Merrimac; thence N. 32° 27' E. 1341 ft. to Cor. No. 3.

3846. Intersect line 5-6 of the Red Top, S. 20° 17' W. 432.4 ft. from Cor. No. 5, and N. 20° 17' E. 1067.6 ft. from Cor. No. 6.

4485.7 Intersect line 2-3 of the Red Top at a point S. 20° 17' W. 210.7 ft. from Cor. No. 3, and N. 20° 17' E. 1229.3 ft. from Cor. No. 2.  
RED TOP, LOT NO. 55:- From Cor. No. 3, Cor. No. 5 hrs. N. 69° 43' W. 600 ft. dist., and from Cor. No. 2 Cor. No. 6 hrs. N. 69° 42' W. 600 ft.

5298.5 To the Cor. of Secs. 9, 10, 15 and 16  
NOTE:- From the 1/4 Sec. Cor. bet. Secs. 9 and 16, Cor. No. 2 of the Chance lode claim, Sur. No. 794 hrs. S. 31° 3' E. 1718 ft., from which Cor. 1 I run S. 64° 22' W. 600 ft. to Cor. 6; thence S. 32° 46' W. 1500 ft.; thence N. 64° 22' W. 600 ft. to Cor. No. 3; thence N. 32° 46' W. 1500 ft. to Cor. No. 2.

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From the Cor. to Secs. 8, 9, 16 and 17, I run S. 0° 02' E. bet. Secs. 16 and 17.

3096.2 Intersect line 5-6 of the Brother Johnathan, Sur. No. 578, at a point N. 64° E. 664.2 ft. from Cor. No. 5 of said claim, and S. 64° W. 631.4 ft. from Cor. 6, identical with Cor. 5 of the Triple X and 4 of the Maine.

3640. To the 1/4 Sec. Cor. thence Cor. 3 of the Brother Johnathan hrs. S. 52° 35' W. 108 ft., and Cor. No. 2 of the Lowell hrs. S. 47° 09' W. 364 ft.

2663.8 Intersect line 2-3 of the Brother Johnathan, at a point N. 64° E. 95.4 ft. from Cor. No. 3, and S. 64° W. 1402.2 ft. from Cor. No. 2, identical with Cor. No. 3 of the Triple X.  
BROTHER JOHNATHAN, SUR. 578:-  
From Cor. No. 2 I run N. 58° 09' W. 600.6 ft. to Cor. No. 6, and from Cor. No. 3 I run N. 58° 09' W. 601.9 ft. to Cor. No. 5.  
LOWELL LODGE, SUR. NO. 797:-  
From Cor. No. 2 I run N. 31° 52' W. 598 ft. to Cor. No. 6 of the Lowell claim; thence I run from said corner S. 57° 09' W. 1495.6 ft. to Cor. No. 6; thence S. 31° 52' W. 598 ft. to Cor. No. 3;

Feet.	
5280.	<p>thence N. 57° 09' E. 1495 ft. to Cor. No. 3, the place of beginning. The Cor. of Secs. 16, 17, 20 and 21.</p> <p style="text-align: center;">----000----</p>
3149.4	<p>From the Cor. of Secs. 12 and 13 on the East boundary of the township, I run S. Intersect line 3-5 of the San Diego lode, at a point S. 67° 07' E. 532 ft. from Cor. No. 5 and N. 67° 07' W. 68 ft. from Cor. No. 3.</p>
2324.3	<p>Intersect line 2-3 of the San Diego lode claim, at a point S. 32° 53' W. 161.1 ft. from Cor. No. 3 and N. 22° 43' E. 1253.9 ft. from Cor. 2 of said claim. SAN DIEGO LODGE CLAIM, SUR. 263:- From Cor. 2 I run N. 67° 07' W. 600 ft. to Cor. 6; thence N. 32° 53' E. 1415 ft. to Cor. No. 5.</p> <p style="text-align: center;">----000----</p>
617.4	<p>From the Cor. of Secs. 11, 12, 13 and 14, I run S. 39° 47' E. bet. Secs. 12 and 13. Intersect line 2-3 of the New Year's lode claim at a point S. 24° 27' W. 551.8 ft. from Cor. No. 3, and N. 24° 27' E. 758.2 ft. from Cor. No. 2 of said claim.</p>
1948.2	<p>A point on line, whence Cor. 3 of the Plum lode claim, SUR. 277, hrs. S. 121.8 ft. PLUM CLAIM, SUR. 277:- From said Cor. No. 3 of the Plum claim, I run S. 38° 49' W. 1248 ft. to Cor. No. 4; thence S. 43° 26' E. 527 ft. to intersect line 5-6 of the Belcher lode, at N. 12° 30' W. 140 ft. from Cor. No. 5 of said claim, 600 ft. to Cor. 5 of the Plum claim; thence N. 38° 49' E. 1248 ft. to Cor. No. 6; thence N. 43° 26' W. 600 ft. to Cor. No. 3.</p>
1113.6	<p>To a point on line from which Cor. No. 6 of the Belcher claim hrs. S. 140.6 ft. BELCHER CLAIM, SUR. 858:- From Cor. No. 6 I run S. 12° 30' E. 1421.5 ft. to Cor. No. 5; thence S. 77° 37' W. 600 ft. to Cor. No. 3; thence N. 12° 30' W. 1421.5 ft. to Cor. No. 2; thence N. 77° 30' E. 600 ft. to Cor. No. 6.</p> <p style="text-align: center;">----000----</p>
327.1	<p>From the Cor. of Secs. 21, 22, 27 and 28 I run S. 39° 57' W. Intersect line 2-3 of the Tombstone claim, SUR. 323, at a point S. 69° 53' W. 113.5 ft. from Cor. No. 3 of said claim, and N. 69° 53' E. 1316.5 ft. from Cor. 3 of said claim.</p>
1708.3	<p>Intersect line 3-5 and 6-2 of the Tombstone and Carbonate lodes respectively, at a point N. 17° 45' W. 475.4 ft. from Cor. No. 3 and 6 of said claims, and S. 17° 45' E. 124.6 ft. from Cors. 5 and 2 of said claims. TOMBSTONE CLAIM, SUR. 323:- From Cor. No. 5 I run N. 69° 53' E. 1430 ft. to Cor. No. 6; thence S. 17° 45' E. 600 ft. to Cor. No. 2; whence the Cor. to Secs. 21, 22, 27 and 28 bears S. 79° 58' E. 224 ft., 212.5 ft. intersect line 2-3 of the Carbonate claim at a point S. 72° 18' W. 393 ft. from Cor. No. 2 and N. 72° 18' E. 1107 ft. from Cor. No. 3. CARBONATE CLAIM, LOT No. 45:- From Cor. No. 3 of this claim I run S. 17° 45' E. 600 ft. to Cor. No. 5; thence N. 72° 18' E. 1500 ft. to Cor. No. 6.</p>

Feet.

SILVER BELL CLAIM, SUR. NO. 293:- Beginning at Cor. No. 2, identical with Cor. No. 2 of the Owl's Nest, Sur. No. 259, S.  $53^{\circ} 58'$  E. 596 ft. to Cor. No. 4, identical with Cor. 6 of the Owl's Nest claim; thence S.  $75^{\circ} 40'$  W. 228 ft. to intersect line 3-5 of the Lucknow, Lot No. 56, at a point S.  $43^{\circ} 01'$  E. 479 ft. from Cor. No. 5; 1217 ft. to Cor. No. 5 of the Silver Bell claim; thence N.  $53^{\circ} 58'$  W. 4 ft. to intersect line 5-6 of the Lucknow, at a point S.  $46^{\circ} 59'$  W. 868 ft. from Cor. No. 5, 600 ft. to Cor. No. 7 of the Silver Bell claim; thence N.  $75^{\circ} 40'$  E. 1217 ft. to Cor. No. 2.

LUCKNOW, LOT NO. 56:- Beginning at Cor. No. 5, I run S.  $43^{\circ} 01'$  E. 600 ft. to Cor. No. 3; thence S.  $46^{\circ} 59'$  W. 1500 ft. to Cor. No. 2; thence N.  $43^{\circ} 01'$  W. 600 ft. to Cor. No. 6; thence N.  $46^{\circ} 59'$  E. 1500 ft. to Cor. No. 5.

DELHI CLAIM, SUR. 270:- Beginning at Cor. No. 5, I run N.  $0^{\circ} 29'$  E. 269.9 ft. to intersect line 2-6 of the Lucknow at a point S.  $43^{\circ} 01'$  E. 33 ft. from Cor. No. 6 of the Lucknow, 600 ft. to Cor. No. 7; thence S.  $86^{\circ} 47'$  W. 312.4 ft. to Cor. No. 1; thence N.  $84^{\circ} 28'$  W. 687.8 ft. to Cor. No. 2; thence S.  $0^{\circ} 29'$  W. 162.4 ft. to intersect line 5-6 of the Sultana Claim, at a point N.  $60^{\circ} 20'$  E. 148.5 ft. from Cor. No. 5; 600 ft. to Cor. No. 4; thence S.  $89^{\circ} 11'$  E. 1495.6 ft. to Cor. No. 5.

SULTANA CLAIM:- LOT NO. 78:- Beginning at Cor. No. 2, I run S.  $20^{\circ} 40'$  E. 572.2 ft. to Cor. No. 6; thence S.  $60^{\circ} 20'$  W. 1227.6 ft. to Cor. No. 5; thence N.  $20^{\circ} 40'$  W. 600 ft. to Cor. No. 3; thence N.  $61^{\circ} 29'$  E. 1223.6 ft. to Cor. No. 2.

BAKER CLAIM, SUR. 358:- Beginning at Cor. No. 6, I run N.  $51^{\circ} 30'$  E. 70.5 ft. to intersect line 2-3 of the Silver Cable claim, at a point N. 24 ft. from Cor. No. 3; 772 ft. to intersect line 4-5 of the Silver Cable lode at a point N.  $2^{\circ} 45'$  W. 242 ft. from Cor. No. 4 of said claim; 1304 ft. to Cor. No. 7; thence N.  $36^{\circ} 37'$  W. 283 ft. to the N.E.C. 353.5 ft. to intersect line 4-5 of the Delhi claim, at a point S.  $89^{\circ} 11'$  E. 46.5 ft. to Cor. No. 4 of the said claim; 431 ft. to intersect line 4-5 of the Delhi, at a point N.  $0^{\circ} 49'$  E. 62.5 ft. from Cor. No. 4; 235 ft. to Cor. No. 3; thence S.  $52^{\circ} 55'$  W. 827 ft. to intersect line 2-3 of the Silver Cable claim, 1306 ft. to Cor. No. 4; thence S.  $36^{\circ} 37'$  E. 550 ft. to Cor. No. 6.

SILVER CABLE CLAIM, SUR. NO. 92:- Beginning at Cor. No. 4, thence N.  $2^{\circ} 44'$  W. 1474.1 ft. to Cor. No. 5; thence S.  $68^{\circ} 36'$  W. 258.7 ft. to the N.E.C. and 265.4 ft. to Cor. No. 2; thence S. 1500 ft. to Cor. No. 3; thence N.  $68^{\circ} 30'$  E. 600 ft. to Cor. No. 4.

CONTACT CLAIM, SUR. 679:- From the U.S.M.H. No. 2 I run S.  $54^{\circ} 36'$  W. 3002 ft. to the N.S.C. or Cor. No. 2 of the Contact claim; thence S.  $84^{\circ} 52'$  W. 750 ft. to Cor. No. 3; thence S.  $5^{\circ} 7'$  E. 600 ft. to Cor. No. 5; thence N.  $84^{\circ} 51'$  E. 1457 ft. to Cor. No. 6; thence N.  $5^{\circ} 07'$  W. 599 ft. to Cor. No. 8; thence S.  $84^{\circ} 52'$  W. 707 ft. to Cor. No. 2.

LONGFELLOW CLAIM: SUR. NO. 872:- From Cor. No. 2 identical with Cor. No. 2 of the Sunset Mine, I run S.  $9^{\circ} 50'$  E. 263.2 ft. to Cor. No. 3; thence N.  $85^{\circ} 13'$  W. 890 ft. to Cor. No. 4; thence N.  $9^{\circ} 50'$  W. 238.5 ft. to Cor. No. 5; thence N.  $75^{\circ} 40'$  E. 865 ft. to Cor. No. 6; thence S.  $9^{\circ} 50'$  E. 261.6 ft. to Cor. No. 2.

Feet.

NEW YEAR'S GIFT LODGE, LOT NO. 93:- Beginning at S. W. Cor. of said claim, I run S. 47° 35' E. 615 ft. to intersect line 4-6 of the Hattie L. Wheeler claim, and 1170 ft. to intersect line 6-7 of the Hattie L. Wheeler claim, 1500 ft. to the S. E. Cor. Thence I run N. 52° 44' E. 360 ft. to the N. E. Cor. Thence N. 38° 32' W. 746 ft. to intersect line 3-4 of the Hattie L. Wheeler; 1485 ft. to the N. W. Cor. Thence S. 52° 44' W. 600 ft. to the place of beginning.

VIZINA LODGE, LOT NO. 59:- From the closing corner bet. Secs. 2 and 11 on the West boundary of the Tombstone Townsite; Cor. No. 6 of the Vizina claim hrs. S. 19° 15' W. 592 ft. From said corner I run S. 53° 44' E. 1479 ft. to Cor. No. 7, identical with Cor. No. 6 of the Good Enough; thence S. 41° 04' W. 444 ft. to Cor. No. 2, identical with Cor. No. 8 of the Good Enough; thence N. 48° 10' W. 270 ft. to Cor. No. 3, identical with Cors. 1 and 2 of the Tough Nut and Survey lodes respectively; thence N. 62° W. 1235 ft. to Cor. No. 4, identical with Cor. 3 of the Survey claim; thence N. 41° 04' E. 598.0 ft. to Cor. No. 6, the place of beginning.

TOUGH NUT, LOT NO. 41:- Beginning at Cor. No. 1, thence S. 48° 10' E. 1495 ft. to Cor. No. 2; thence I run S. 41° 47' W. 595 ft. to Cor. No. 3; thence N. 48° 24' W. 1500 ft. to Cor. No. 2, identical with Cor. 7 of the Survey lode; thence N. 42° 40' E. 603 ft. to the place of beginning.

GOOD ENOUGH, LOT 87:- Beginning at Cor. No. 6, I run S. 48° 38' E. 1497 ft. to Cor. No. 5; thence S. 40° 58' W. 459 ft. to Cor. No. 3; thence N. 48° 10' W. 272 ft. to Cor. No. 2 of the Tough Nut and 1 of the Tough Nut South Extension; 1497 ft. to Cor. No. 8; thence N. 41° 04' E. 444 ft. to Cor. No. 6, the place of beginning.

WAY UP LODGE CLAIM, LOT NO. 53:- Beginning at Cor. No. 2, at a point N. 48° 38' W. 182 ft. from Cor. No. 5 of the Good Enough, I run N. 47° 14' E. 404 ft. to Cor. No. 3, identical with Cor. No. 5 of the Little Wonder on the west side line of the Empire lode; thence N. 17° 58' E. 320 ft. to Cor. 4, identical with Cor. No. 2 of the Banner claim and 5 of the Empire; thence S. 72° 43' E. 177 ft. to Cor. No. 5 on the north end line of the Empire claim; thence N. 47° 14' E. 1732 ft. to Cor. No. 6; thence N. 48° 38' W. 597 ft. to Cor. No. 8, thence S. 47° 14' W. 1510 ft. to Cor. No. 9; thence S. 48° 38' E. 597 ft. to the place of beginning.

EMPIRE LODGE CLAIM, LOT NO. 46:- Beginning at Cor. No. 1; thence I run N. 72° 43' W. 30 ft. to Cor. No. 7; thence N. 43° 02' W. 318 ft. to Cor. No. 6 on the west side line of the Tough Nut South Extension; thence N. 17° 15' E. 1325 ft. to Cor. No. 5; thence S. 72° 43' E. 594 ft. to Cor. No. 3 on the west side line of the Silver Belt Claim; thence S. 17° 19' W. 1155 ft. to Cor. No. 2; thence S. 59° 28' W. 441 ft. to the place of beginning.

SILVER BELT:- Sur. No. 793:- Beginning at Cor. No. 4, on the East side line of the Banner claim, I run S. 17° 19' W. 618 ft. to Cor. No. 3-6 of the Empire and Banner claims respectively, 1498 ft. to Cor. No. 3, identical with Cor. No. 2 of the Silver Thread; thence S. 74° 49' E. 440 ft. to Cor. No. 7, identical with Cor. No. 6 of the Silver



Feet.

Thread; thence N. 23° 20' E. 1120 ft.; to Cor. No. 3 of the North Point claim; thence N. 23° E. 387 ft. to Cor. No. 6; thence N. 74° 35' W. 593 ft. to the place of beginning. (Not patented).  
 NORTH POINT, SUR. NO. 208:- Beginning at Cor. No. 3, thence I run S. 50° 19' E. 601 ft. to Cor. No. 5; thence S. 22° 46' W. 1366 ft. to Cor. No. 6; thence N. 54° 12' W. 399 ft. to Cor. No. 7; thence N. 50° 24' W. 284 ft. to Cor. No. 2; thence N. 22° 29' E. 1396 ft. to Cor. No. 3, the place of beginning.

CINCINNATI, LOT NO. 70:- Beginning at Cor. No. 6, I run N. 24° 27' E. 333 ft. to Cor. No. 2 of the Contention and Cor. 7 of the Contentment lodes, 1185 ft. to Cor. No. 2 of the Contentment and 1499 ft. to Cor. No. 3; thence S. 66° 06' E. 592 ft. to Cor. No. 2 of this claim; thence S. 32° 53' W. 1523 ft. to Cor. No. 1; thence N. 65° 50' W. 377 ft. to the place of beginning.

COCOPAH, LOT NO. 82:- Beginning at Cor. No. 6, at a point N. 66° 6' W. 6 ft. from Cor. No. 3 of the Cincinnati claim; thence I run N. 16° 25' W. 1491 ft. to Cor. No. 5; thence S. 66° 06' E. 597 ft. to Cor. No. 3; thence S. 16° 31' E. 1491 ft. to Cor. No. 2; thence N. 66° 06' W. 599 ft. to the place of beginning.

TRANQUILITY, LOT NO. 44:- Beginning at S. E. Cor., identical with Cor. No. 1 of the Sulphuret North Extension; thence N. 53° 39' E. 1385 ft. to the N. E. Cor.; thence N. 40° 01' W. 522 ft. to the N. W. Cor.; thence S. 54° 16' W. 1385 ft. to the S. W. Cor.; thence S. 40° 06' E. 600 ft. to the place of beginning;

SULPHURET, LOT NO. 48:- Beginning at Cor. No. 5, I run N. 58° 20' E. 550 ft. to Cor. No. 6, identical with Cor. No. 8 of the South Extension of the Tough Nut; thence S. 39° 31' E. 500 ft. to Cor. No. 7 of the South Extension of the Tough Nut; 566 ft. to Cor. No. 7; thence S. 49° 49' W. 85 ft. to Cor. No. 8, identical with the S. W. Cor. of the Tranquility; thence S. 40° 06' E. 600 ft. to Cor. No. 1, identical with the S. E. Cor. of the Tranquility; thence S. 20° 25' E. 307 ft. to Cor. No. 2; thence S. 58° 22' W. 48 ft. to Cor. No. 4 of the Flora Morrison; 542 ft. to Cor. No. 3, identical with Cor. 4 of the Flora Morrison and 2 of the Mayflower; thence N. 32° W. 450 ft. to Cor. No. 4; thence N. 54° 15' W. 139 ft. to a monument; thence N. 30° 51' W. 288 ft. to Cor. No. 3 of the Last Chance, and Cor. 2 of the Boss; thence N. 17° 46' W. 323 ft. to Cor. No. 3 of the Boss claim; thence N. 35° 10' W. 285 ft. to Cor. No. 5, the place of beginning.

1st SOUTH EXTENSION OF THE TOUGH NUT CLAIM:- LOT 72-  
 Beginning at Cor. No. 1, identical with Cor. 2 of the Tough Nut; thence S. 48° 10' E. 272 ft. to Cor. No. 2, identical with Cor. 3 of the Good Enough; thence S. 35° 25' E. 272 ft. to Cor. No. 6 of the Empire claim, and 3 of this claim; thence S. 43° 02' E. 318 ft. to Cor. No. 7 of the Empire claim; 340 ft. to Cor. No. 4 of this claim; thence S. 41° 18' W. 223 ft. to Cor. No. 5; thence S. 54° 16' W. 381 ft. to Cor. No. 6 on the North side line of the Tranquility; thence N. 42° 53' W. 75 ft. to Cor. No. 7, identical with Cor. 7 of the Sulphuret; thence N. 29° 31' W. 500 ft. to Cor. No. 8, identical with Cor. No. 1-6 of the North Extension of the Sulphuret and Sulphuret lodes

Feet.

respectively; thence N. 63° 52' W. 255 ft. to Cor. No. 9, identical with Cor. No. 3 of the Tough Nut; thence N. 41° 47' E. 595 ft. to Cor. No. 1.  
**WEST SIDE, LOT NO. 91:**— Beginning at Cor. No. 3, identical with Cor. No. 2 of the survey; thence I run N. 46° 48' W. 592 ft. to Cor. No. 5, identical with 4 of the survey; thence S. 43° 23' W. 637 ft. to Cor. No. 7 of the Intervener; 1490 ft. to Cor. No. 6, identical with Cor. No. 1 of the Hope Claim, 3 of the Rob Ingersoll and 8 of the Blue Monday claims; thence S. 45° 47' E. 465 ft. to Cor. No. 2 of the Blue Monday and 8 of the Tribute; thence S. 46° 51' E. 133 ft. to Cor. No. 8, identical with Cor. 7 of the Tribute; thence N. 42° 55' E. 706 ft. to Cor. No. 6 of the Tribute, 1493 ft. to Cor. No. 3, the place of beginning.

**TRIBUTE, LOT NO. 90:**— Beginning at Cor. No. 4, identical with Cor. 3 of the Herald and 2 of the Last Chance No. 2; thence I run S. 52° 40' W. 1432 ft. to Cor. No. 3; thence N. 36° 47' W. 562 ft. to Cor. No. 9; thence N. 51° 25' E. 712 ft. to Cor. No. 8; thence S. 46° 51' E. 133 ft. to Cor. No. 7, identical with Cor. 3 of the West Side; thence N. 42° 55' E. 706 ft. to Cor. No. 6; thence S. 36° 25' E. 570 ft. to Cor. No. 4 to the place of beginning.

**HERALD, LOT NO. 83:**— Beginning at Cor. No. 3, identical with Cor. No. 4 of the Tribute and 1 of the Last Chance No. 2; thence S. 33° 55' E. 328 ft. to Cor. No. 5, identical with Cor. No. 7, of the Fremont claim; thence S. 52° 40' W. 1245 ft. to Cor. No. 6; thence N. 34° 23' W. 246 ft. to the N. E. C. of the Hardup, 328 ft. to Cor. No. 8; thence N. 52° 40' E. 1247 ft. to Cor. No. 3, the place of beginning.

**BLUE MONDAY, LOT NO. 81:**— Beginning at Cor. No. 8, identical with Cor. No. 6 of the West Side and 3 of the Rob Ingersoll; thence I run S. 45° 47' E. 465 ft. to Cor. No. 2, identical with 8 of the Tribute; thence S. 51° 25' W. 712 ft. to Cor. No. 9 of the Tribute and 5 of the West Side; 812 ft. to Cor. No. 3; identical with Cor. No. 6 of the West Side; thence S. 41° 50' W. 664 ft. to Cor. No. 4; thence N. 45° 54' W. 541 ft. to Cor. No. 6; thence N. 2° 16' W. 15 ft. to Cor. No. 7; thence N. 50° 26' E. 1466 ft. to Cor. No. 8, the place of beginning.

**WEST SIDE, SUR. NO. 89:**— Beginning at Cor. No. 5, identical with Cor. No. 9 of the Tribute Claim, thence S. 36° 47' E. 562 ft. to Cor. No. 3; identical with Cor. No. 3 of the Tribute; thence S. 44° 13' W. 1343 ft. to Cor. No. 2, thence N. 36° 30' W. 524 ft. to Cor. No. 7; thence N. 41° 50' E. 1254 ft. to Cor. No. 6; thence N. 51° 25' E. 94 ft. to Cor. No. 5, the place of beginning.

**HARD UP, SUR. 344:**— Beginning at Cor. No. 7; thence S. 67° 36' E. 598 ft. to Cor. No. 3; thence S. 36° 15' W. 762 ft. to Cor. No. 4; identical with Cor. 6 of the Independence; thence N. 67° 50' W. 553 ft. to Cor. No. 6; thence N. 33° 08' E. 755 ft. to Cor. No. 7.

**CONTENTION, LOT NO. 37:**— Beginning at Cor. No. 3, identical with Cor. No. 2 of the Contentment; thence S. 65° 05' E. 600 ft. to Cor. No. 2, identical with Cor. 7 of the Contentment; thence S. 24° 27' W. 333 ft. to Cor. No. 6 of the Cincinnati claim, 1494 ft. to Cor. No. 1, identical with Cor. No. 2 of the Grand Central; thence N. 65° 35' W.

Feet.

602 ft. to Cor. No. 4, identical with Cor. No. 6 of the Grand Central; thence N. 24° 15' E. 1500 ft. to Cor. No. 3, the place of beginning.

NEW YEAR'S LODGE, LOT NO. 58:- Beginning at Cor. No. 5, identical with Cor. No. 6 of the Cincinnati; thence S. 65° 50' E. 377 ft. to Cor. No. 1 of the Cincinnati, 598 ft. to Cor. No. 3 of this claim; thence S. 24° 27' W. 1310 ft. to Cor. No. 2, identical with Cor. 6 of the Michigan Central; thence N. 65° 03' E. 598 ft. to Cor. No. 6; thence N. 24° 27' E. 142 ft. to Cor. No. 2 of the Grand Central and 1 of the Contention lodes; 1303 ft. to Cor. No. 5, the place of beginning.

CONTENTION, LOT NO. 63:- Beginning at Cor. No. 3, thence I run N. 24° 15' E. 598 ft. to Cor. No. 3, on the south side line of the Tranquility; thence N. 53° 39' E. 521 ft. to Cor. No. 4; thence N. 69° 52' E. 57 ft. to Cor. No. 5; thence S. 65° 05' E. 10 ft. to Cor. No. 6; thence S. 6° 24' W. 945 ft. to Cor. No. 7; thence N. 65° 05' W. 599 ft. to the place of beginning.

INTERVENOR, LOT NO. 67:- Beginning at Cor. No. 3, identical with Cor. No. 7 of the Defense, on the West Side line of the Tough Nut claim; I run S. 43° 24' E. 477 ft. to Cor. No. 8, identical with Cor. No. 5 of the Survey Claim; thence S. 43° 23' W. 122 ft. to Cor. No. 4 of the Survey and 5 of the West Side; 759 ft. to Cor. No. 7; thence S. 51° 36' W. 738 ft. to Cor. No. 6, identical with Cor. 6 of the Hope Claim; thence N. 47° 54' W. 603 ft. to Cor. No. 4, identical with Cor. 6 of the Defense Claim; thence N. 52° 07' E. 1499 ft. to Cor. No. 3, the place of beginning.

DEFENSE LODGE, LOT NO. 88:- Beginning at Cor. No. 7, thence S. 52° 07' W. 1499 ft. to Cor. No. 6, identical with Cor. 4 of the Intervenor Claim; thence N. 48° 19' E. 598 ft. to Cor. No. 4; thence N. 52° 07' E. 1497 ft. to Cor. No. 3; thence S. 48° 24' E. 595 ft. to Cor. No. 7, the place of beginning.

FLORA MORRISON, LOT NO. 74:- Beginning at Cor. No. 4, identical with Cor. 3 of the Sulphuret; thence N. 53° 32' E. 494 ft. to Cor. No. 5; thence S. 68° 32' E. 57 ft. to Cor. No. 6; thence S. 20° 25' E. 239 ft. to Cor. No. 7; thence N. 37° 17' E. 7 ft. to Cor. No. 8; thence S. 24° 15' W. 750 ft. to Cor. No. 4 of the Contention and 6 of the Grand Central; 812 ft. to Cor. No. 1; thence N. 71° 27' W. 297 ft. to Cor. No. 3, identical with Cor. No. 5 of the Naumkeag; thence N. 68° 32' W. 225 ft. to Cor. No. 3; thence N. 25° 30' E. 303 ft. to Cor. No. 7 of the Mayflower; 607 ft. to Cor. No. 4, identical with Cor. 8 of the Mayflower, and the place of beginning.

MAYFLOWER, SUR. 798:- Beginning at Cor. No. 8, identical with Cor. 4 of the Flora Morrison; thence S. 25° 30' W. 304 ft. to Cor. No. 7; thence S. 44° 20' W. 844 ft. to Cor. No. 6; thence N. 45° 20' W. 600 ft. to Cor. No. 5; thence N. 47° 29' E. 1235 ft. to Cor. No. 3; thence S. 32° 00' E. 245 ft. to Cor. No. 2, 450 ft. to Cor. No. 8, the place of beginning.

SILVER THREAD, SUR. NO. 790:- Beginning at Cor. No. 2, identical with Cor. No. 3 of the Silver Thread Claim; thence I run S. 74° 49' E. 440 ft. to Cor. No. 6, identical with Cor. No. 7 of the Silver Bolt Claim; thence S. 23° 10' W. 273 ft. to Cor. No. 5. From Cor. No. 2 I run S. 17° 19' W. 275 ft. to Cor. No. 3.

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SURVEY, LOT NO. 95:- Beginning at Cor. No. 4, identical with Cor. No. 5 of the West Side; thence N.  $43^{\circ} 33'$  E. 122 ft. to Cor. No. 5; thence S.  $48^{\circ} 24'$  E. 495 ft. to Cor. No. 2; 594 ft. to Cor. No. 3; thence S.  $42^{\circ} 56'$  W. 139 ft. Thence N.  $46^{\circ} 58'$  W. 592 ft. to the place of beginning.

KAUNKEAG, LOT NO. 44:- Beginning at Cor. No. 5, identical with Cor. No. 2 of the Flora Morrison, thence S.  $71^{\circ} 27'$  E. 297 ft. to Cor. No. 1 of the Flora Morrison; thence S.  $22^{\circ} 42'$  W. along the West side line of the Grand Central claim, 1400 ft. to Cor. No. 2 of the Sydney on the South side line of this claim; thence E.  $71^{\circ} 30'$  V. 239 ft. to Cor. No. 6; thence N.  $20^{\circ} 20'$  E. 1392 ft. to Cor. No. 5, the place of beginning.

GRAND CENTRAL:- Beginning at Cor. No. 6, identical with Cor. No. 4 of the Contention Claim; thence S.  $65^{\circ} 35'$  E. 602 ft. to Cor. No. 2, identical with Cor. No. 1 of the Contention; thence S.  $24^{\circ} 27'$  W. 142 ft. to Cor. No. 6 of the New Year claim; thence S.  $23^{\circ} 50'$  W. 1355 ft. to Cor. No. 3, thence I run W.  $65^{\circ} 51'$  W. 572 ft. to Cor. No. 5; thence N.  $22^{\circ} 42'$  E. 18 ft. to Cor. No. 2 of the Sidney Claim, 1418 ft. to Cor. No. 1 of the Flora Morrison; thence N.  $24^{\circ} 15'$  E. 82 ft. to Cor. No. 6, the place of beginning.

MOONLIGHT, SUR. 751:- Beginning at Cor. No. 6, identical with Cor. 3 of the Sydney, and Cor. 6 of the South Extension of the Grand Central claim; thence I run N.  $22^{\circ} 42'$  E. 67 ft. to Cor. No. 5; thence S.  $76^{\circ} 38'$  E. 588 ft. to Cor. No. 3; thence S.  $22^{\circ} 42'$  W. 66 ft. to Cor. No. 2, identical with Cor. 2 of the South Extension of the Grand Central claim; thence E.  $76^{\circ} 40'$  V. 600 ft. to Cor. No. 6, the place of beginning.

LUCKY CHISS, LOT NO. 40:- Beginning at Cor. No. 2, identical with Cor. No. 2 of the Old Guard; thence I run S.  $50^{\circ}$  W. 1484 ft.; thence N.  $89^{\circ} 19'$  W. 591 ft. to Cor. No. 4; thence N.  $0^{\circ} 31'$  E. 1485 ft. to Cor. No. 1; thence S.  $39^{\circ} 10'$  E. 600 ft. to Cor. No. 2.

C. O. D., SURVEY NO. 928:- Beginning at Cor. No. 6, identical with Cor. No. 6 of the East Side No. 2, and 2 of the East Side claims, I run S.  $50^{\circ} 17'$  W. 416 ft. to Cor. No. 5; thence S.  $0^{\circ} 50'$  W. 292 ft. to Cor. No. 4, identical with Cor. 5 of the LUCK SURE; thence S.  $14^{\circ} 26'$  E. 993 ft. to Cor. No. 3; thence N.  $52^{\circ} 50'$  E. 193 ft. to Cor. No. 2; thence N.  $26^{\circ} 18'$  E. 366 ft. to Cor. No. 1; thence N.  $13^{\circ} 02'$  W. 1098 ft. to Cor. No. 6, the place of beginning.

LUCK SURE, SUR. NO. 265:- Beginning at Cor. No. 5, identical with Cor. 4 of the C. O. D., thence N.  $27^{\circ} 59'$  W. 589 ft. to Cor. No. 2; thence S.  $11^{\circ} 53'$  E. 1503 ft. to Cor. No. 3; thence S.  $86^{\circ} 25'$  E. 591 ft. to Cor. No. 4; thence N.  $11^{\circ} 53'$  W. 1520 ft. to Cor. No. 5, the place of beginning.

ANCHOR, LOT NO. 116:- Beginning at Cor. No. 6; thence I run N.  $26^{\circ} 27'$  E. 523 ft. to Cor. No. 2; thence S.  $28^{\circ} 00'$  E. 1295 ft. to Cor. No. 3; thence S.  $35^{\circ} 54'$  W. 480 ft. to Cor. No. 5; thence N.  $52^{\circ} 55'$  W. 289 ft. to intersect East side line of the Revenue Lode claim, 755 ft. to intersect line 5-6 of the Revenue Claim, at a point S.  $33^{\circ} 36'$  W. 205 ft. from Cor. No. 6 of the Revenue, 1237 ft. to Cor. No. 6, the place of beginning.

TELEPHONE LODE CLAIM, SUR. NO. 927:- Beginning at Cor. No. 6, I run thence N.  $37^{\circ} 57'$  E. 1050 ft. to Cor. No. 5; thence S.  $44^{\circ} 33'$  E. 585 ft. to

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- Cor. No. 3, on the West side line of the Grand Dipper, at a point S. 57° 09' W. 30 ft. from Cor. No. 8 of the Grand Dipper claim; thence S. 37° 57' W. 1050 ft. to Cor. No. 2; thence N. 44° 33' W. 536 ft. to the place of beginning.
- GRAND DIPPER CLAIM, SUR. NO. 540:**— Beginning at Cor. No. 3 of the South end line of the South Extension of the Grand Central; thence S. 78° 19' E. 448 ft. to intersect Cor. No. 3 of the South Extension of the Grand Central, 603 ft. to Cor. No. 2; thence S. 35° 45' W. 1205 ft. to Cor. No. 3; thence S. 79° 20' W. 137 ft. to Cor. No. 4, identical with Cor. No. 7 of the Rattlesnake claim; thence S. 8° 13' W. 74 ft. to Cor. No. 5; thence N. 80° 07' W. 260 ft. to Cor. No. 6, on the North end line of the Emerald claim; thence N. 65° 17' W. 292 ft. to Cor. No. 7, identical with Cor. 3 of the Emerald claim; thence N. 37° 09' E. 1294 ft. to the place of beginning.
- RATTLE SNAKE, SUR. NO. 811:**— Beginning at Cor. No. 2, identical with Cor. No. 4 of the Grand Dipper; thence N. 79° 20' E. 137 ft. to Cor. No. 3 of the Grand Dipper, 605 ft. to Cor. No. 1, identical with Cor. No. 6 of the Bunker Hill claim; thence S. 39° 24' E. 489 ft. to Cor. No. 3, identical with Cor. No. 2 of the Mammoth; thence S. 2° 20' W. 403 ft. to Cor. No. 5, identical with Cor. 6 of the Mammoth; thence S. 31° 26' W. 1118.0 ft. to Cor. No. 6; thence N. 0° 43' E. 218 ft. to Cor. No. 1, thence N. 81° 13' E. 247 ft. to Cor. No. 2, the place of beg.
- EMERALD CLAIM, SUR. NO. 608:**— Beginning at Cor. No. 2, identical with Cor. No. 7 of the Grand Dipper, thence S. 65° 17' E. 292 ft. to Cor. No. 6 of the Grand Dipper, 595 ft. to Cor. No. 7; thence S. 22° 20' W. 1409 ft. to Cor. No. 6; whence, the 1/4 Sec. Cor. bet. Secs. 14 and 23 hrs. N. 79° 46' E. 272 ft.; thence N. 65° 16' W. 418 ft. to Cor. No. 4; thence N. 21° 50' E. 664 ft. to Cor. No. 3 thence N. 10° 19' E. 772 ft. to Cor. No. 2, the place of beginning.
- REVENUE CLAIM, SUR. 626:**— Beginning at Cor. No. 3, identical with Cor. No. 4 of the Mexican; thence N. 1° 16' W. 1213 ft. to Cor. No. 4; thence N. 45° E. 227 ft. to Cor. No. 5; thence N. 83° 30' E. 296.5 ft. to Cor. No. 6; thence S. 7° 03' E. 1354 ft. to Cor. No. 7; thence S. 83° 27' W. 500 ft. to the S.E.C. Mon., identical with the N.E.C. of the Hidden Treasure, 598 ft. to Cor. No. 3, the place of beginning.
- EXTACY CLAIM, LOT. NO. 77:**— Beginning at Cor. No. 4, identical with Cor. 3 of the Nicholas claim; thence I run N. 10° 44' E. 1462 ft. to Cor. No. 3; thence N. 72° 15' E. 478 ft. to Cor. No. 8; thence S. 7° 29' W. 845 ft. to Cor. No. 7; thence S. 31° 23' W. 719 ft. to Cor. No. 6, identical with Cor. 6 of the Shorty; thence S. 71° 12' W. 145 ft. to Cor. No. 5, identical with Cor. No. 1 of the Shorty; thence S. 81° 43' W. 221 ft. to Cor. No. 4, the place of beginning.
- SHORTY CLAIM, LOT. 80:**— Beginning at Cor. No. 6, identical with Cor. 6 of the Extacy; thence S. 71° 12' W. 145 ft. to Cor. No. 1; 300 ft. to Cor. No. 2; thence S. 10° 27' W. 174 ft. to Cor. No. 3; thence N. 71° 12' E. 300 ft. to Cor. No. 5; thence N. 10° 27' E. 174 ft. to the place of beginning.
- HIDDEN TREASURE, SUR. 676:**— BEGINNING at the S.E.C. of the claim, identical with the S.E.C. of the Revenue claim; thence I run S. 81°

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51' E. 258 ft. to the N. E. Cor.; thence S. 8° 6' W. 1498 ft. to the S. E. Cor.; thence N. 81° 50' W. 596 ft. to the S. W. Cor.; thence N. 10° 02' E. 1498 ft. to the N. W. Cor.; thence S. 81° 51' E. 288 ft. to the place of beginning.

MEXICAN CLAIM, SUR. NO. 682:- Beginning at Cor. No. 4, identical with Cor. 2 of the Revenue, on the West side line of the Hidden Treasure; thence S. 10° 02' W. 1031 ft. to Cor. No. 3; thence N. 61° 57' W. 276 ft. to Cor. No. 7, identical with Cor. 6 of the Verde claim; thence N. 21° 08' E. 1064 ft. to Cor. No. 6; thence S. 61° 46' E. 41 ft. to Cor. No. 5, on the West side line of the Revenue Claim; thence S. 1° 16' E. 90 ft. to Cor. No. 4, the place of beginning.

PROMPTER, SUR. NO. 477:- From the witness corner to 1/4 Section Corner, bet. Secs. 14 and 15, I run S. 33° 58' E. 403 ft. to Cor. No. 3 of the Prompter; thence S. 87° W. 1475 ft. to Cor. No. 2; thence S. 3° 22' W. 593 ft. to Cor. No. 6; thence N. 36° 35' W. 1475 ft. to Cor. No. 5; thence N. 3° 28' E. 581 ft. to Cor. No. 3, the place of beginning.

WEDGE CLAIM, SUR. NO. 367:- Beginning at Cor. No. 1, identical with Cor. 4 of the Lucky Cuss; thence S. 0° 31' W. 150 ft. to Cor. No. 2; identical with Cor. 2 of the Luck Sure claim; thence S. 8° 07' E. 292 ft. to Cor. No. 3; thence S. 28° 43' W. 721 ft. to Cor. No. 4; thence N. 64° 30' W. 415 ft. to Cor. No. 5; thence N. 2° 3' E. 260 ft. to Cor. No. 6, on the east side line of the Owl's Nest Claim, at a point N. 33° 40' E. 132 ft. from Cor. 6 of the said claim; thence N. 33° 40' E. 370 ft. to Cor. No. 7; thence S. 63° 45' E. 212 ft. to Cor. No. 1, the place of beginning.

OWL'S LAST HOOP, SUR. NO. 390:- Beginning at Cor. No. 3; thence I run S. 0° 31' W. 937 ft. to Cor. No. 5, on the West Side line of the Lucky Cuss claim; thence N. 55° 55' W. 490 ft. to Cor. No. 2, identical with Cor. No. 3 of the Owl's Nest; thence N. 32° 30' E. 780 ft. to Cor. No. 3; identical with Cor. 1 of the Lucky Cuss claim, and the place of beginning.

INDEPENDENCE, SUR. NO. 273:- Beginning at Cor. No. 6, identical with Cor. No. 4 of the Hardup Claim; thence S. 11° 40' W. 1272 ft. to Cor. No. 5; thence N. 67° 50' W. 500 ft. to Cor. No. 3; thence N. 9° 20' E. 1272 ft. to Cor. No. 3, identical with Cor. 6 of the Hardup; thence S. 67° 50' E. 558 ft. to Cor. No. 4 of the Hardup, the place of beginning.

ALPS, SUR. NO. 296:- Beginning at Cor. No. 6, identical with Cor. No. 3 of the Sydney; thence I run S. 48° 23' W. 1455 ft. to Cor. No. 3, identical with Cor. No. 7 of the Sydney; thence N. 57° 51' W. 599 ft. to Cor. No. 4, identical with Cor. 5 of the Trinity; thence N. 43° 55' E. 1453 ft. to Cor. No. 5; thence S. 57° 57' E. 587 ft. to the place of beginning.

TRINITY CLAIM, SUR. NO. 841:- Beginning at Cor. No. 5; thence I run N. 52° 43' W. 300 ft. to Cor. No. 4; thence N. 44° 08' E. 908.8 ft. to Cor. No. 3; thence S. 52° 26' E. 379 ft. to Cor. No. 6.

AUNT SALLY, SUR. NO. 441:- Beginning at Cor. No. 1, thence N. 52° 26' W. 283 ft. to Cor. No. 2; thence N. 42° 55' E. 350 ft. to Cor. No. 3; thence N. 56° 42' W. 314 ft. to Cor. No. 5; thence S. 11° 40' W. 720 ft. to Cor. No. 6; thence S. 16° 49'

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E. 302 ft. to Cor. No. 7; thence S. 56° 42' E. 12 ft. to Cor. No. 8; thence N. 47° E. 472 ft. to Cor. No. 1, the place of beginning.

NOTE:- Cor. No. 2 of the above claim is identical with Cor. No. 10 of the Alto claim.

MINNET LODGE CLAIM, LOT NO. 143:- Beginning at Cor. No. 4, identical with Cor. No. 6 of the Alps claim; thence I run N. 62° 10' W. 600 ft. to Cor. No. 5; thence N. 47° 52' E. 245 ft. to Cor. No. 6; thence S. 62° 10' E. 467 ft. to Cor. No. 3; thence S. 1° 58' E. 265 ft. to place of beg.

SYDNEY, SUR. NO. 475:- Beginning at Cor. No. 8, identical with Cor. No. 6 of the Alps; thence S. 43° 28' W. 1455 ft. to Cor. No. 7, identical with Cor. 3 of the Alps; thence S. 72° 37' E. 595 ft. to Cor. No. 5; thence N. 46° 11' E. 108 ft. to Cor. No. 4; thence N. 38° 29' E. 1087 ft. to Cor. No. 3, identical with Cor. 6 of the South Extension of the Grand Central Claim; thence N. 22° 42' E. 132 ft. to Cor. No. 2; thence N. 71° 30' E. 300 ft. to the place of beginning.

SOUTH EXTENSION OF THE GRAND CENTRAL CLAIM, LOT NO. 43: Beginning at Cor. No. 2, identical with Cor. 3 of the Moonlight; thence S. 38° 51' W. 1420 ft. to Cor. No. 3, on the north end line of the Grand Dipper Claim; thence N. 72° 19' W. 599 ft. to Cor. No. 5; thence N. 36° 29' E. 1482 ft. to Cor. No. 6, identical with Cor. 3 of the Sydney and 6 of the Moonlight; thence S. 76° 40' E. 600 ft. to the place of beginning.

LAST CHANCE NO. 2, SUR. NO. 809:- Beginning at Cor. No. 3, identical with Cor. No. 4 of the Sulphuret Claim; thence S. 42° 59' W. 361 ft. to Cor. No. 3 of the Herald claim and 4 of the Tribute; thence S. 33° 53' E. 397 ft. to Cor. No. 6; thence N. 47° 29' E. 342 ft. to Cor. No. 5; thence N. 34° 15' W. 139 ft. to Cor. No. 4; thence N. 30° 51' E. 288 ft. to Cor. No. 3, the place of beginning.

CONSENT, LOT NO. 69:- Beginning at Cor. No. 1, identical with Cor. No. 1 of the North Point Claim; thence S. 54° 12' E. 299 ft. to Cor. No. 6 of the North Point, 304 ft. to Cor. No. 2, on the West side line of the Cincinnati Lode claim; thence S. 24° 35' W. 350 ft. to Cor. No. 3; thence N. 54° 12' W. 6 ft. to Cor. No. 4; thence N. 6° 24' E. 933 ft. to Cor. No. 1, the place of beginning.

ALTA CLAIM, SUR. NO. 289:- Beginning at Cor. No. 8, thence N. 52° 26' W. 449 ft. along the north end line of the Trinity claim, to Cor. No. 10, identical with Cor. No. 2 of the Aunt Sally claim; thence N. 42° 35' E. 621 ft. to Cor. No. 9; thence S. 50° 09' E. 77 ft. to Cor. No. 11; thence S. 73° 14' E. 283 ft. to Cor. No. 2 of the Emily; thence N. 30° 44' E. 420 ft. to Cor. No. 3 of the Emily claim; thence N. 12° 10' W. 297 ft. to Cor. No. 4 of the Emily; thence N. 42° 35' E. 92 ft. to Cor. No. 5 of the Alta Claim; thence S. 32° 06' E. 525 ft. to Cor. No. 7; thence S. 45° 36' W. 1240 ft. to the place of beginning.

OWL'S NEST, SUR. NO. 259:- Beginning at Cor. No. 3, identical with Cor. No. 2 of the Owl's Last Hoot, thence S. 34° 05' W. 1468 ft. to Cor. No. 2, identical with Cor. 2 of the Silver Belle; thence S. 53° 53' E. 594 ft. to Cor. No. 6, identical with Cor. No. 4 of the Silver Bell; thence N. 33° 40' E. 132 ft. to Cor. No. 6 of the Wedge claim; 1002 ft. to Cor. No. 7 of the Wedge Claim; thence



Feet.

N. 33° 01' E. 350 ft. to Cor. No. 6 on the West side line of the Lucky Guss claim; thence N. 0° 31' E. 164 ft. to Cor. No. 4, identical with Cor. No. 5 of the Owl's Last Hoot; thence N. 55° 55' W. 490 ft. to Cor. No. 3, the place of beginning.

**HARD UP, SUR. NO. 552:**- Beginning at Cor. No. 1, at a point N. 66° W. 145 ft. from Cor. No. 2 of the Poor X lode claim; thence I run S. 66° E. 145 ft. to Cor. No. 2, identical with Cor. No. 7 of the Hattie Wheeler claim; thence S. 32° 12' E. 991 ft. to Cor. No. 3, on the West Side line of the Poor X Claim; thence S. 33° 32' W. 445 ft. to Cor. No. 4; thence N. 29° 12' W. 1165 ft. to Cor. No. 6; thence N. 33° 32' E. 800 ft. to Cor. No. 1, the place of beginning.

**GOVERNOR HENDERSON, SUR. 596:**- Beginning at Cor. No. 4, thence I run N. 63° 37' W. 146.5 ft. to intersect the west side line of the Hardup Claim, 600 ft. to Cor. No. 2; thence S. 21° W. 750 ft. to Cor. No. 1; thence S. 63° 37' E. 168 ft. to intersect line 7-9 of the Metallic Accident, at a point N. 79° 28' E. 124.5 ft. from Cor. No. 7; 530 ft. to Cor. No. 5; thence N. 26° 23' E. 745 ft. to Cor. No. 4; thence N. 63° 37' W. 146.5 ft. to intersect the West side line of the Hard Up claim at a point N. 50° 28' W. 340 ft. from Cor. 4 of said claim.

**METALLIC ACCIDENT, SUR. NO. (LOT 85):**- Beginning at Cor. No. 7; thence I run N. 79° 28' E. 578.8 ft. to Cor. No. 9; thence S. 10° 32' E. 1166 ft. to Cor. No. 2, on the North side line of the Townsite claim; thence S. 48° 00' W. 305.2 ft. to Cor. No. 3, identical with Cor. No. 6 of the Townsite claim; thence S. 37° 30' E. 194.6 ft. to Cor. No. 4, on the West side line of the Townsite claim; thence S. 79° 28' W. 427.4 ft. to Cor. No. 6; thence N. 9° 47' W. 1500 ft. to Cor. No. 7, the place of beginning.

**ROB INGERSOLL, LOT NO. 86:**- Beginning at Cor. No. 3, identical with Cor. No. 8 of the Blue Monday and Six of the West Side claims; thence I run S. 50° 26' W. 1323 ft. to Cor. No. 4; thence N. 39° 38' W. 184 ft. to Cor. No. 6; thence N. 2° 16' W. 345.9 ft. to Cor. No. 7; thence N. 58° 18' E. 531.5 ft. to Cor. No. 8; identical with Cor. No. 5 of the Townsite claim; thence N. 48° W. 586 ft. to Cor. No. 9; thence S. 39° 38' E. 229 ft. to the E.W.C. and 413.5 ft. to the place of beg.

**TOWNSITE CLAIM, LOT 84:**- Beginning at Cor. No. 5; thence I run N. 48° E. 586.0 ft. to Cor. No. 9 of the Rob Ingersoll; thence N. 46° 48' E. 9.5 ft. to Cor. No. 3; thence N. 43° 55' W. 323.0 ft. to Cor. No. 2; thence N. 37° 43' W. 578.0 ft. to Cor. No. 1; thence N. 38° 53' E. 510.2 ft. to Cor. No. 8; thence S. 48° W. 600 ft. to Cor. No. 6; thence S. 37° 50' E. 1408 ft. to Cor. No. 5, the place of beginning.

**OLD GUARD CLAIM, SUR. 785:**- Beginning at Cor. No. 6, identical with Cor. No. 1 of the Lucky Guss claim; thence N. 2° 16' W. 1500 ft. to Cor. No. 5; thence S. 29° 10' E. 600 ft. to Cor. No. 3; thence S. 2° 16' E. 1500 ft. to Cor. No. 2, identical with Cor. 2 of the Lucky Guss, thence N. 29° 10' W. 600 ft. to Cor. 6, the place of beginning.

**SURVEY:**- Beginning at Cor. No. 2, (Sur. 267), identical with Cor. No. 1 of the Tough Nut Claim; thence S. 42° 40' W. 603 ft. to Cor. No. 7, identical with Cor. 4 of the Tough Nut Claim; thence

Feet.

N.  $58^{\circ} 34'$  W. 1320 ft. to Cor. No. 6; thence N.  $35^{\circ} 52'$  E. 296 ft. to Cor. No. 5; thence N.  $41^{\circ} 31'$  E. 291 ft. to Cor. No. 4; thence S.  $52^{\circ} 32'$  E. 141.5 ft. to Cor. No. 3,

ROBE, SUR. NO. 295:- Beginning at Cor. No. 1, identical with Cor. No. 6 of the West Side; thence I run N.  $43^{\circ} 23'$  E. 600 ft. to Cor. No. 8; thence N.  $39^{\circ} 40'$  W. 36 ft. to Cor. No. 7; thence S.  $51^{\circ} 36'$  W. 474 ft. to Cor. No. 6, identical with Cor. No. 6 of the Intervener; thence N.  $47^{\circ} 54'$  W. 630.5 ft. to Cor. No. 5; thence S.  $43^{\circ} 15'$  W. 37.0 ft. to Cor. No. 3, identical with Cor. 3 of the Townsite Claim; thence S.  $43^{\circ} 55'$  E. 323.0 ft. to Cor. No. 3, identical with Cor. 3 of the Townsite Claim; thence S.  $46^{\circ} 48'$  W. 9.1 ft. to Cor. No. 2, identical with Cor. 9 of the Bob Ingersoll Claim; thence S.  $39^{\circ} 38'$  E. 413.5 ft. to Cor. No. 1, identical with Cor. 3 of the Bob Ingersoll Claim, the place of beginning.

HERRSCHMILL, SUR. 874:- Beginning at Cor. No. 6 on the East side line of the Old Guard; thence N.  $64^{\circ} 04'$  E. 189.5 ft. to Cor. No. 7; thence S.  $39^{\circ} 35'$  E. 320 ft. to Cor. No. 2, whence Cor. 8 of the Bob Ingersoll bears S.  $52^{\circ} 15'$  W. 520 ft.; thence S.  $15^{\circ} 30'$  W. 713.6 ft. to Cor. No. 3; thence S.  $50^{\circ} 44'$  W. 230 ft. to Cor. No. 4; thence S.  $65^{\circ} 04'$  W. 56 ft. to Cor. No. 5; thence N.  $2^{\circ} 16'$  W. 1131 ft. to Cor. No. 6.

MAINE, SUR. 579:- Beginning at Cor. No. 6 of the Brother Jonathan Claim, I run S.  $64^{\circ}$  W. 85 ft. to Cor. No. 5 of the Maine; thence N.  $83^{\circ} 05'$  W. 668.5 ft. to Cor. No. 7. From Cor. No. 3 of the Merrimac Claim, identical with Cor. 6 of the Triple Wx, I run N.  $52^{\circ} 27'$  E. 264 ft. to Cor. No. 2 of the Maine; thence N.  $83^{\circ} 05'$  W. 304.1 ft. to the N.E.C. of the Main Claim; 668.5 ft. to Cor. No. 8, the place of beginning.

WEST SIDE NO. 2, SUR. No. 376:- Beginning at Cor. No. 2, identical with Cor. No. 7 of the East Side Claim, on the East side line of the Lucky Cass; thence S.  $36^{\circ} 30'$  E. 524.0 ft. to Cor. No. 6; thence S.  $50^{\circ} 17'$  W. 416.0 ft. to intersect the East side line of the Lucky Cass, at a point N.  $0^{\circ} 50'$  E. 127 from Cor. No. 3 of the Lucky Cass; thence N.  $0^{\circ} 50'$  E. 637 ft. to Cor. No. 2, the place of beginning.

MAY, SUR. 317:- From Cor. No. 3 of the Chance Lode Claim, Sur. No. 794, Cor. No. 4 of the May Claim bears N.  $10^{\circ}$  W. 151 ft.; thence from Cor. 4 of the May, I run S.  $40^{\circ} 40'$  W. 1497 ft. to Cor. No. 3; thence N.  $46^{\circ} 19'$  W. 559 ft. to Cor. No. 1; thence N.  $40^{\circ}$  E. 1497 ft. to Cor. No. 6; thence S.  $46^{\circ} 19'$  E. 574 ft. to Cor. No. 4, the place of beginning.

NORTH EXTENSION OF THE SULPHURET CLAIM, LOT 71:- Beginning at Cor. No. 1, identical with Cor. 6 of the Sulphuret; thence N.  $63^{\circ} 32'$  W. 255 ft. to Cor. No. 2; identical with Cor. No. 3 of the Tough Nut Claim; thence S.  $43^{\circ} 24'$  E. 99 ft. to Cor. No. 3, identical with Cor. 3 of the Survey; thence S.  $42^{\circ} 55'$  W. 446 ft. to Cor. No. 4; thence S.  $63^{\circ} 32'$  E. 4.5 ft. to Cor. No. 5; thence N.  $58^{\circ} 20'$  E. 537 ft. to Cor. No. 1, the place of beginning.

TOPAZ, SUR. 875:- Beginning at Cor. No. 5, on the East side line of the Grand Dipper Claim; thence I run N.  $79^{\circ} 20'$  E. 14 ft. to Cor. No. 6; thence

S. 0° 26' E. 537 ft. to Cor. No. 2, identical with Cor. No. 6 of the Bunker Hill Claim; thence S. 79° 20' W. 468 ft. to Cor. No. 3, identical with Cor. No. 3 of the Grand Dipper Claim; thence N. 35° 45' E. 756 ft. to Cor. No. 5, the place of beginning.

Survey completed June 25th, 1905.

NOTE:- I will state that in the prosecution of this survey it was absolutely impracticable for me to tabulate the exact dates, day by day, of the surveys completed; this was due to the fact that in most instances I was unable to segregate a mining claim in its entirety during one day. Many of the corners of these claims, especially the claims that were surveyed many years ago, I had to make a complete resurvey of in order to properly locate all the corners. In cases where several claims were adjoining it was necessary at times to first make a preliminary survey of from ten to twelve claims before I could determine exactly the locus of a given claim. In some instances absolutely no trace of the survey could be found any more than the marks on bearing objects in place at perhaps one corner of the survey. Where the corners were found my notes will reveal many discrepancies between the courses returned by the original deputy and those determined by me. Great care was exercised in locating temporary corners of mining claims for proper segregation and much time and labor was consumed, on claims where one or two corners were found, in locating in their original positions, the lost corners.

I will also state that my headquarters were in Tombstone and I operated from that point; I made diligent inquiry of all the claimants living in Tombstone of the exact whereabouts of the monuments of their claims. Much valuable information as to the locus of the corners of the patented claims belonging to the Tombstone Consolidated Mining Company was furnished me by the officers of said Company.

Many of the claims in this District have been abandoned; in fact the Tombstone Consolidated Company is the only Company in the district who at the present time are engaged in the development of their property to any extent.

During the progress of the survey my instrument was repeatedly tested on the U. S. Standard Meridian located in this township.

The measurements were made by a 50 and 500 ft. steel tape, reading to tenths of a foot.

*John D. Hesse,*  
U. S. Deputy Surveyor.

LIST OF NAMES.

BOOK 1892

A list of the names of the individuals employed by John F. Hesse,  
....., United States Deputy Surveyor, to assist in running, measuring, and  
marking the lines and corners described in the foregoing field notes of the survey of segregation  
patented mines in Tp. 20 S. R. 22 E.  
showing the respective capacities in which they acted:

- ....., Chainman.
- ....., Chainman.
- ....., Moundman.
- ....., Moundman.
- ....., Axman.
- ....., Axman.
- ....., Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted John F. Hesse  
....., United States Deputy Surveyor, in surveying all  
those parts or portions of the segregation survey of patented mines in Tp. 20  
S. R. 22 E.

..... of the Gila and  
Salt River Base & meridian, Territory of Arizona, which are represented  
in the foregoing field notes as having been surveyed by him and under his direction; and that said survey  
has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the  
corner monuments established, according to the instructions furnished by the United States Surveyor  
General for Arizona.

- W. W. Oliver....., Chainman.
- D. M. Hyde....., Chainman.
- ....., Moundman.
- ....., Moundman.
- ....., Axman.
- ....., Axman.
- ....., Flagman.

Subscribed and sworn to before me this 25th  
day of June 1905, 189



John F. Hesse  
U. S. Dep. Surveyor

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

BOOK 1892

I, John F. Hesse, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Frank S. Ingalls, United States Surveyor General for Arizona, bearing date of the 24th day of January, 1905, 189, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Arizona, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the segregation survey of patented mines in Tp. 20 S. R. 22 E.

of the Gila and Salt River Base and meridian, in the Territory of Arizona, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

John F. Hesse
United States Deputy Surveyor.

Subscribed by said John F. Hesse, and sworn to before me }
this 25th day of Sept. 1905

Frank S. Ingalls
U.S. Surveyor General



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

The foregoing field notes of the survey of Phoenix Arizona January 20, 1906, 189, mining claims in T20 S. R. 22 E. of the Gila and Salt River Base and meridians, in the territory of Arizona.

executed by John F. Hesse U.S. deputy surveyor under his contract No. 125, dated January 24, 1905, 189, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank S. Ingalls
United States 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.

United States Surveyor General.