

2972

Book "A."

4-679

MAY 17 1918

BOOK 2972

FIELD NOTES

OF THE ~~SURVEY OF THE~~

RETRACEMENT AND RESURVEY OF THE

NORTH BOUNDARY OF FRACTIONAL T. 19 N., R. 7 W.

RETRACEMENT OF A PORTION OF THE

NORTH AND EAST BOUNDARIES OF THE LUIS MARIA BACA FLOAT No. 5.

and Survey of the

EAST BOUNDARY AND SUBDIVISION LINES OF

FRACTIONAL TOWNSHIP 19 NORTH, RANGE 7 WEST,

Of the GILA AND SALT RIVER Meridian,

In the State of ARIZONA

EXECUTED BY

Thomas W. Bates, U. S. Transitman,

David W. Eaton, U. S. Transitman.

~~In the capacity of U. S. Surveyor~~, under instructions dated January 18, 1918, issued by the United States Surveyor General to govern surveys included in Group No. 86, which were approved by the Commissioner of the General Land Office, January 22, 1918.

Survey, Retracement and Re Survey commenced February 5, 1918.

Survey, Retracement and Re-Survey completed March 29, 1918.

2972

2972

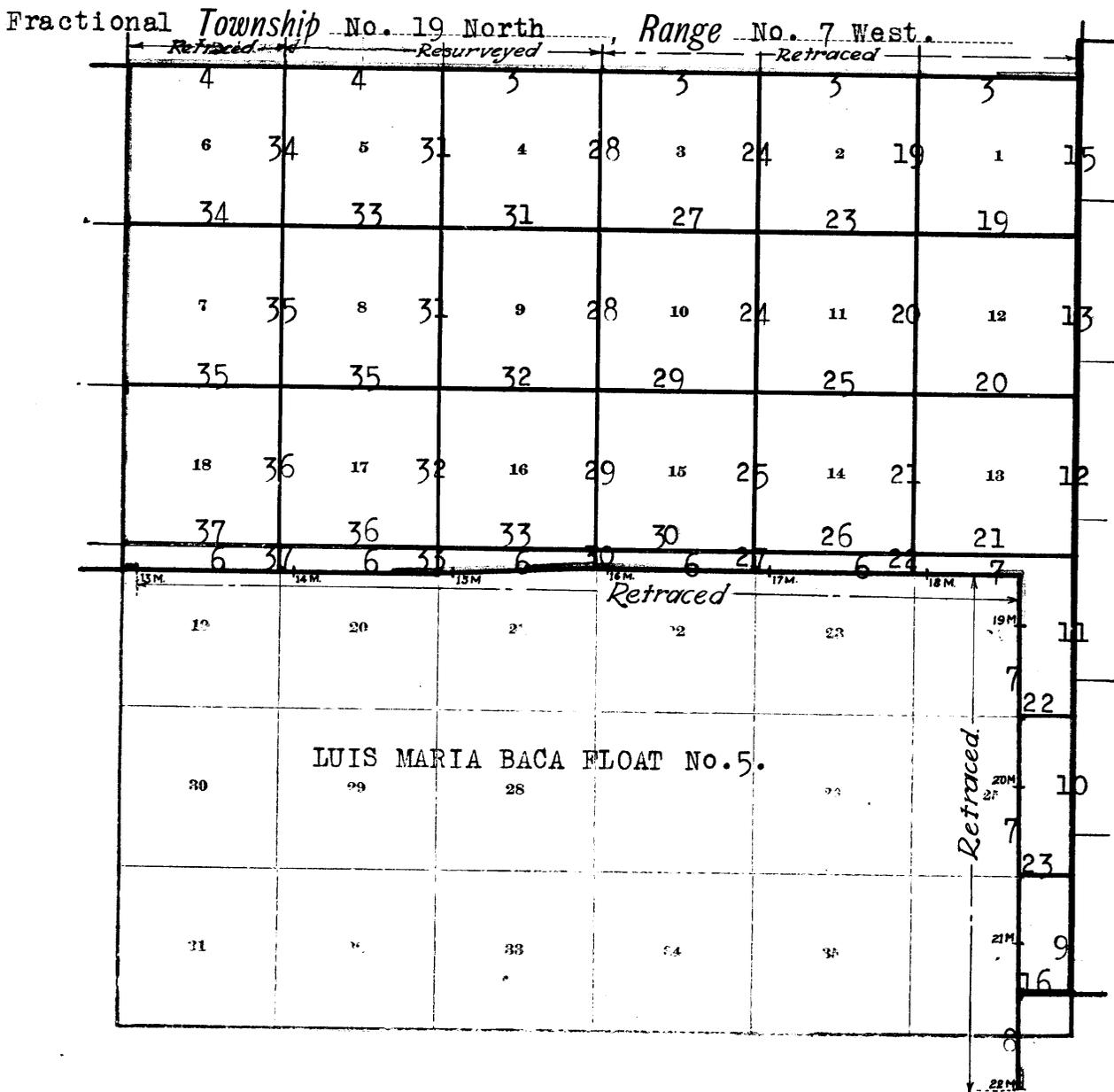
(1A)

Group No. 86-----Arizona.

Book A.

BOOK 2972

INDEX DIAGRAM.



- Surveyed under this group--notes in this book.
- Resurveyed or retraced under this group--notes in this book.
- Surveyed under group No. 20.

Chains

Survey executed by Thos. W. Bates and David W. Eaton, U. S. Transitmen, using Young and Sons light mountain transit No. 8569, with Smith solar attachment, and Young and Sons solar compass No. 8512, respectively. Each instrument is provided with two double verniers on the horizontal limb, placed opposite to each other and reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs. These instruments were approved, January 26, 1918, conditional upon satisfactory field performance, by the Acting Assistant Supervisor of Surveys for Arizona and California.

In the survey of all lines hereinafter described, slope measurements were made with 5-ch. tapes, slope angles were read with clinometers and the correct horizontal distance was computed for each item of topography.

We examine the adjustments of the transits, and correct all errors; then, to test the solars, by comparing their indications, resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris, we proceed as follows:

February 3, 1918: At our camp in the northeast cor. of sec. 15, T. 19 N., R. 7 W., lat. $35^{\circ} 3' N.$, long. $112^{\circ} 58\frac{1}{2}' W.$, at 10 hrs. 32.3 m., p.m., l.m.t., by our watches, which are set to correct local mean time, we observe Polaris at western elongation, in accordance with the Manual of Instructions, and mark a point in the line thus determined, by a tack in a stake, driven in the ground, 5 chs. N. of our station.

February 4, 1918: At 7 hrs. 0 m., a.m., l.m.t., we lay off the azimuth of Polaris, $1^{\circ} 22\frac{1}{2}'$ to the east, and mark the meridian thus determined by a tack in a stake, driven in the ground, 5 chs. N. of our station.

At 8 hrs. 3 m., a.m., l.m.t., we set off $35^{\circ} 3' N.$ on the lat. arcs; $16^{\circ} 17\frac{1}{2}' S.$ on the decl. arcs; and determine a meridian with each solar. The lines thus determined depart less than 1' from the true meridian determined by observations on Polaris at elongation.

At apparent noon, we set off $16^{\circ} 16' S.$ on the decl. arcs; and observe the sun on the meridian; the resulting lat. with each instrument is $35^{\circ} 3' N.$

At 4 hrs. 3 m., p.m., l.m.t., we set off $35^{\circ} 3' N.$ on the lat. arcs; $16^{\circ} 11\frac{1}{2}' S.$ on the decl. arcs; and determine a meridian with each solar. The lines thus determined depart less than 1' from the true meridian determined by observations on Polaris at elongation.

The solars, by a.m., and p.m. observations, define positions for meridians which depart less than 1' from the true meridian determined by observations on Polaris at elongation; therefore we conclude that their adjustments are satisfactory.

The magnetic bearing of the true meridian, at 8 hrs. 30 m., 8s N. $15^{\circ} 4' W.$; the angle thus determined gives the mag. decl. $15^{\circ} 4' E.$

February 4, 1918.

I alter the cor. of Ts. 19 and 20 N., Rs. 6 and 7 W., which is a sandstone, 24 X 20 X 16 ins., marked and witnessed as described by the Surveyor-General, to refer to Ts. 19 and 20 N., R. 7 W., only, by obliterating the markings on the bearing trees E. of line, and the markings on the E. edge of stone. Alongside of stone, I set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for reestablished cor. of Ts. 19 and 20 N., R. 7 W., marked on brass cap,

Retracement and Resurvey of N. bdy. of Fragl. Tp. 19 N. R. 7 W. 3.

Chains.

T20N
R7W
S36
S 1
T19N
1918

From which
 A juniper, 22 ins. diam., brs. S.42° W., 9 lks. dist.,
 marked T19N R7W S1 BT.
 A juniper, 10 ins. diam., brs. N.25° W., 101 lks. dist.,
 marked T20N R7W S36 BT.

Thence RETRACEMENT.

40.07 West on retracement, bet. secs. 1 and 36.
 Fall 3 lks. S. of the 1/4 sec. cor. bet. secs. 1 and 36,
 which is a volcanic stone, 8 X 20 X 6 ins. above ground,
 firmly set, marked and witnessed as described by the
 Surveyor-General.
 The true course and distance of this half mile are there-
 fore N.89° 57' W., 40.07 chs.

40.05 From the 1/4 sec. cor. bet. secs. 1 and 36,
 West on retracement, bet. secs. 1 and 36.
 Fall 4 lks. S. of the cor. of secs. 1, 2, 35 and 36, which
 is a volcanic stone, 6 X 12 X 6 ins. above ground, firmly
 set, marked and witnessed as described by the Surveyor-
 General.
 The true course and distance of this half mile are there-
 fore N.89° 57' W., 40.05 chs.

39.90 From the cor. of secs. 1, 2, 35 and 36,
 West on retracement, bet. secs. 2 and 35.
 Fall 5 lks. S. of the 1/4 sec. cor. bet. secs. 2 and 35,
 which is a volcanic stone, 4 X 12 X 8 ins. above ground,
 firmly set, marked and witnessed as described by the
 Surveyor-General.
 The true course and distance of this half mile are there-
 fore N.89° 56' W., 39.90 chs.

40.07 From the 1/4 sec. cor. bet. secs. 2 and 35,
 West on retracement, bet. secs. 2 and 35.
 Fall 5 lks. S. of the cor. of secs. 2, 3, 34 and 35, which
 is a sandstone, 4 X 10 X 10 ins. above ground, firmly
 set, marked and witnessed as described by the Surveyor-
 General.
 The true course and distance of this half mile are there-
 fore N.89° 56' W., 40.07 chs.

39.91 From the cor. of secs. 2, 3, 34 and 35,
 West on retracement, bet. secs. 3 and 34.
 Fall 3 lks. S. of the 1/4 sec. cor., which is a sandstone,
 5 X 12 X 6 ins. above ground, firmly set, marked and
 witnessed as described by the Surveyor-General.
 The true course and distance of this half mile are there-
 fore N.89° 58' W., 39.91 chs.

39.92 From the 1/4 sec. cor. bet. secs. 3 and 34.,
 West on retracement, bet. secs. 3 and 34.
 Fall 3 lks. S. of the cor. of secs. 3, 4, 33 and 34, which
 is a limestone, 4 X 8 X 8 ins. above ground, firmly set,
 marked and witnessed as described by the Surveyor-General.
 The true course and distance of this half mile are there-
 fore N.89° 58' W., 39.92 chs.

RESURVEY.

40.04 The 1/4 sec. cor. bet. secs. 4 and 33 being plainly visible,
 I run for said cor. from last sec. cor.
 N.89° 54' W., on retracement, bet. secs. 4 and 33.
 The 1/4 sec. cor. bet. secs. 4 and 33, which is a stone,
 badly broken. I reestablish this cor. in the same place
 as follows:

4. Retracement and Resurvey of the North Bdy. of T. 19 N., R. 7 W.

Schains.

Set an iron post, 3 ft. long, 1 in. diam., on solid rock, 30 ins. in a mound of stone, for reestablished $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$ S33
S 4
1918

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

The true course and distance of this half mile are therefore N.89° 54' W., 40.04 chs.

The cor. of secs. 4, 5, 32 and 33 being plainly visible, I run for said cor. from last $\frac{1}{4}$ sec. cor.

N.89° 54' W., on retracement, bet. secs. 4 and 33.

40.05

Intersect the cor. of secs. 4, 5, 32 and 33, which is a wooden post, badly decayed. I reestablish this cor. in the same place as follows:

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

T20N | R7W
S32 | S33
S 5 | S 4
T19N
1918

From which

A cedar, 12 ins. diam., brs. S.11 $\frac{1}{2}$ ° E., 108 lks. dist., marked T19N R7W S4 BT.

A cedar, 12 ins. diam., brs. S.2 $\frac{1}{4}$ ° W., 102 lks. dist., marked T19N R7W S5 BT.

No other trees within limits. Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

The true course and distance of this half mile are therefore N.89° 54' W., 40.05 chs.

The $\frac{1}{4}$ sec. cor. bet. secs. 5 and 32 being plainly visible, I run for said cor. from last sec. cor.

N.89° 54' W., on retracement, bet. secs. 5 and 32.

40.15

The $\frac{1}{4}$ sec. cor. bet. secs. 5 and 32, which is a wooden post, badly decayed. I reestablish this cor. in the same place as follows:

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

$\frac{1}{4}$ S32
S 5
1918

Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.

The true course and distance of this half mile are therefore N.89° 54' W., 40.15 chs.

The cor. of secs. 5, 6, 31 and 32 being plainly visible, I run for said cor. from last $\frac{1}{4}$ sec. cor.

N.89° 54' W., on retracement, bet. secs. 5 and 32.

40.14

The cor. of secs. 5, 6, 31 and 32, which is a volcanic stone, 5 X 12 X 10 ins. above ground, firmly set, marked and witnessed as described by the Surveyor-General.

The true course and distance of this half mile are therefore N.89° 54' W., 40.14 chs.

RETRACEMENT.

The $\frac{1}{4}$ sec. cor. bet. secs. 6 and 31 being plainly visible, I run for said cor. from last sec. cor.

S.89° 11' W., on retracement, bet. secs. 6 and 31.

39.99

The $\frac{1}{4}$ sec. cor. bet. secs. 6 and 31, which is a volcanic

Retracement and Resurvey of the North Bdy. of T. 19 N., R. 7 W. 5.

Chains.

stone, 6 X 12 X 6 ins. above ground, firmly set, marked and witnessed as described by the Surveyor-General. The true course and distance of this half mile are therefore S. 89° 11' W., 39.99 chs.

38.53

The cor. of Ts. 19 and 20 N., Rs. 7 and 8 W. being plainly visible, I run for said cor. from last $\frac{1}{2}$ sec. cor. S. 89° 11' W., on retracement, bet. secs. 6 and 31.

The cor. of Ts. 19 and 20 N., Rs. 7 and 8 W., which is a stone, badly broken. I reestablish this cor. in the same place as follows:

Set an iron post, 3 ft. long, 3 ins. diam., 18 ins. in the ground, in a mound of stone, for reestablished cor. of Ts. 19 and 20 N., Rs. 7 and 8 W., marked on brass cap

T20N	
R8W	R7W
S36	S31
S 11 S 6	
T19N	
1918	

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

The true course and distance of this half mile are therefore S. 89° 11' W., 38.53 chs.

The north boundary of this fractional Tn. has a wire fence running its entire length.

Retracement of a Portion of

6. The North & East Bdrs. of the Luis Maria Baca Float No. 5.

Chains	NORTH BOUNDARY
	The 14 mile cor. on the Luis Maria Baca Float No. 5 being plainly visible from the 13 mile cor., which is a volcanic stone, 8 X 18 X 12 ins. above ground, firmly set, marked and witnessed as described by the Surveyor-General, I run for this cor. from the 13 mile cor. S.89° 46' E., on retracement, along the Luis Maria Baca Float No. 5, along fence line.
79.82	The 14 mile cor., which is a wooden post, firmly set, marked and witnessed as described by the Surveyor-General. The true course and distance of this mile are therefore S.89° 46' E., 79.82 chs.
	The 15 mile cor. being plainly visible, I run for this cor. from the 14 mile cor. N.89° 48' E., on retracement, along the Luis Maria Baca Float No. 5, along fence line.
79.69	The 15 mile cor., which is a wooden post, firmly set, marked and witnessed as described by the Surveyor-General. The true course and distance of this mile are therefore N.89° 48' E., 79.69 chs.
	The 16 mile cor. being plainly visible, I run for this cor. from the 15 mile cor., along fence line. N.88° 45' E., on retracement, along the Luis Maria Baca Float No. 5, along fence line.
80.20	The 16 mile cor., which is a volcanic stone, 5 X 14 X 12 ins. above ground, firmly set, marked and witnessed as described by the Surveyor-General. The true course and distance of this mile are therefore N.88° 45' E., 80.20 chs.
	From the 16 mile cor., East on retracement, along the Luis Maria Baca Float No. 5. Over rolling mountainous land, through scattering undergrowth. Asc. 450 ft.
11.00	Ridge, brs. NE. and SW. Thence across level top of ridge.
25.00	Desc. 400 ft.
41.00	Draw, course N. Asc. 150 ft.
52.00	Spur. slopes NE. Desc. 100 ft.
77.38	Ravine, course NW. Asc. 50 ft.
79.58	Fall 86 lks. S. of the 17 mile cor., as indicated by remains of a mound of stone. I reestablish this cor. as follows: Set a basalt stone, 18 X 14 X 12 ins., 10 ins. in the ground, for reestablished 17 mile cor., marked B L V 17; and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, S. of cor. The true course and distance of this mile are therefore N.89° 23' E., 79.58 chs.
	Land, rolling mountainous. Soil, clay and loam, 2nd and 3rd rates. No timber. Undergrowth, scrub cedar and scrub oak.
	From the reestablished 17 mile cor., East on retracement, along the Luis Maria Baca Float No. 5. Over rolling mountainous land, through scattering timber and undergrowth. Asc. 150 ft.
34.00	Ridge, brs. N. and SE. Enter dense timber, brs. N. and S. Desc. 275 ft.
71.07	Ravine, course NE. Asc. 75 ft.
78.56	Fall 42 lks. S. of the 18 mile cor., which is a limestone, 12 X 8 X 6 ins. above ground, firmly set, marked and witnessed as described by the Surveyor-General. The true course and distance of this mile are therefore N.89° 42' E., 78.56 chs.

Retracement of a Portion of

The North & East Bdrs. of the Luis Maria Baca Float No. 5.

BOOK 2972

7.

Chains.

Land, rolling mountainous.
Soil, clay and loam, 2nd and 3rd rates.
Timber, pine, juniper and cedar.
Undergrowth, scrub oak and young timber.

From the 18 mile cor.,
East on retracement, along the Luis Maria Baca Float No. 5.
Over rolling mountainous land, through dense timber and
undergrowth.

- 11.00 Asc. 120 ft.
- 32.30 Ridge, brs. N. and S. Desc. 125 ft.
- 37.40 Draw, course N. Asc. 80 ft.
- 49.37 Spur, slopes N. Desc. 145 ft.
- 53.48 Draw, course NE. Asc.

Fall 1.44 chs. N. of the NE. cor. of the Luis Maria Baca
Float No. 5, which is a limestone, 5 X 14 X 6 ins. above
ground, marked and witnessed as described by the Surveyor-
General.

The true course and distance of this line are therefore
S.88° 28' E., 53.49 chs.
EAST BOUNDARY.

- 26.05 From the NE. cor.,
South on retracement, along the Luis Maria Baca Float No. 5.
Fall 70 lks. E. of the 19 mile cor., which is a limestone,
30 X 14 X 12 ins., marked and witnessed as described
by the Surveyor-General.

The true course and distance of this line are therefore
S.1° 33" W., 26.06 chs.

Land, rolling and rolling mountainous.
Soil, clay and loam, 2nd and 3rd rates.
Timber, cedar, pine and juniper.
Undergrowth, scrub oak and young timber.

From the 19 mile cor.,
South on retracement, along the Luis Maria Baca Float No. 5.
Over rolling mountainous land, through dense timber and
undergrowth.

- 12.30 Asc. 130 ft.
- 17.40 Spur, slopes NE. Desc., over rolling land.
- 26.70 Draw, course NE. Asc.
- 40.10 Spur, slopes NE. Thence along E. slope.
- 47.80 Spur, slopes NE. Desc.
- 54.40 Draw, course NE. Asc. 55 ft.
- 77.60 Top of steep ascent; ascend gradually.
- 79.18 Ridge, brs. NE. and SW. Desc.

Fall 3.12 chs. E. of the 20 mile cor., which is a limestone,
24 X 18 X 12 ins., marked and witnessed as described by
the Surveyor-General.

The true course and distance of this mile are therefore
S.2° 15" W., 79.24 chs.

Land, rolling and rolling mountainous.
Soil, clay and loam, 2nd and 3rd rates.
Timber, pine and cedar.
Undergrowth, scrub oak and young timber.

From the 20 mile cor.,
South on retracement, along the Luis Maria Baca Float No. 5.
Over rolling mountainous land, through dense timber and
undergrowth.

- 6.80 Desc. 25 ft.
- 22.20 Draw, course NE. Asc. 80 ft.
- 30.30 Ridge, brs. NE. and SW. Desc. 60 ft.

Retracement of a Portion of

8. The North & East Bdrs. of the Luis Maria Baca Float No. 5.

Chains.

36.30 Draw, course W. Asc. 200 ft.
 58.90 Spur, slopes W. Desc. 110 ft.
 66.00 Draw, course NW. Asc. 125 ft.
 74.50 Spur, slopes NW. Desc. 80 ft.
 79.31 Fall 11 lks. E. of the 21 mile cor., which is a limestone
 4 X 12 X 12 ins. above ground, firmly set, marked and
 witnessed as described by the Surveyor-General.
 The true course and distance of this mile are therefore
 S.0° 5' W., 79.31 chs.
 Land, rolling mountainous.
 Soil, clay and loam, 2nd and 3rd rates.
 Timber, pine and cedar.
 Undergrowth, scrub oak and young timber.

From the 21 mile cor.,
 South on retracement, along the Luis Maria Baca Float No. 5.
 Over rolling mountainous land, through dense timber and
 undergrowth.

Desc. 85 ft.

10.00 Draw, course W. Asc. 240 ft.
 50.00 Top of ascent; thence over broken land.
 73.96 Fall 2.64 chs. E. of the 22 mile cor., which is a post,
 in a mound of stone, marked and witnessed as described
 by the Surveyor-General.
 The true course and distance of this mile are therefore
 S.2° 3' W., 74.01 chs.
 Land, rolling mountainous and broken.
 Soil, clay and loam; 2nd and 3rd rates.
 Timber, cedar, pine and juniper.
 Undergrowth, scrub oak and young timber.

East Boundary of Fractional T. 19 N., R. 7 W.

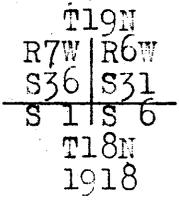
Chains.

I begin at the reestablished cor. of Ts. 19 and 20 N., R. 7 W., hereinbefore described, 11.90 chs. S. of the cor. of Ts. 19 and 20 N., R. 6 W., hereinafter described.

Thence

South on a random line, along the E. bdy. of T. 19 N., R. 7 W., setting temp. 1/4 sec. cor. for sec. 1 and temp cor. secs. 1 and 12 at 40.63 chs. and 80.63 chs. respectively (40.00 chs. and 80.00 chs. plus the southing of the N. bdy.) and temp. 1/4 sec. and sec. cors for the areas W. of line at intervals of 40.00 chs. thereafter, to a point 61.26 chs. S. of the temp. cor. of fracl. secs. 25 and 36, at which point I intersect the S. bdy. of T. 19 N., R. 6 W., due W. of the cor. of secs. 1, 2, 35 and 36, on said S. bdy.

At the point of intersection, set an iron post, 3 ft. long, 3 ins. diam., 12 ins. in the ground, in a mound of stone, for cor. of Ts. 18 and 19 N., R. 6 W., and fracl. Ts. 18 and 19 N., R. 7 W., marked on brass cap



From which

- A pine, 30 ins. diam., brs. N.80° E., 117 lks. dist., marked T19N R6W S31 BT.
- A pine, 30 ins. diam., brs. S.29° W., 44 lks. dist., marked T18N R7W S1 BT.
- A pine, 10 ins. diam., brs. N.73° W., 55 lks. dist., marked T19N R7W S36 BT.

No other trees within limits. Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, S. of cor.

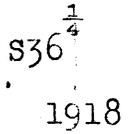
Thence

North on a true line, along the E. bdy. of fracl. sec. 36. Over rolling mountainous land, through heavy timber and dense undergrowth.

Desc. 30 ft.

- 1.26 Ravine, course W. Asc. 100 ft.
- 11.36 Spur, slopes W. Desc. 100 ft.
- 18.46 Ravine, course W. Asc.

21;26 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, in a mound of stone, for 1/4 sec. cor. of sec. 36, marked on brass cap

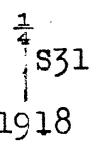


From which

- A pine, 18 ins. diam., brs. S.70° W., 61 lks. dist., marked 1/4 S36 BT.
- A pine, 20 ins. diam., brs. N.37 1/2° W., 80 lks. dist., marked 1/4 S36 BT.

26.66 Old road, brs. E. and W.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 22 ins. in the ground, in a mound of stone, for 1/4 sec. cor. of sec. 31, marked on brass cap



From which

- A pinion pine, 7 ins. diam., brs. N.80° E., 6 lks. dist., marked 1/4 S31 BT.
- A pinion pine, 12 ins. diam., brs. S.15° E., 21 lks.

10. East Boundary of Fractional T. 19 N., R. 7 W.

Chains.

41.86 dist., marked $\frac{1}{4}$ S31 BT.
 Main divide, brs. NE. and SW. Leave heavy, enter scattering timber. Desc. 125 ft.
 56.45 Ravine, course NW. Asc. 50 ft.
 59.76 Spur, slopes NW. Desc. 25 ft.
 61.26 Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in the ground, in a mound of stone, for cor. of fracl. secs. 25 and 36, marked on brass cap

T19N
 S25
 S36
 R7W
 1918

From which
 A pine, 14 ins. diam., brs. S.11 $\frac{3}{4}$ ° W., 120 lks. dist., marked T19N R7W S36 BT.
 A pine, 18 ins. diam., brs. N.21 $\frac{1}{2}$ ° W., 27 lks. dist., marked T19N R7W S25 BT.
 Land, rolling mountainous.
 Soil, adobe, clay and gravel, very rocky, 2nd to 4th rates.
 Timber, cedar, pine and juniper.
 Undergrowth, algerita, scrub oak, cat claw, mesquite and cactus.

North on a true line, along the E. bdy. of fracl. sec. 25. Over rolling mountainous land, through scattering timber and dense undergrowth.
 Desc. 100 ft.
 4.30 Ravine, course NE. Asc. 100 ft.
 14.60 Spur, slopes E. Desc. 25 ft.
 18.74 (80.00 chs. N. of the cor. of Ts. 18 and 19 N., R. 6 W., and fracl. Ts. 18 and 19 N., R. 7 W.)
 Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground, in a mound of stone, for cor. of secs. 30 and 31, T. 19 N., R. 6 W., marked on brass cap

T19N
 S30
 S31
 R6W
 1918

From which
 A juniper, 6 ins. diam., brs. N.41° E., 150 lks. dist., marked T19N R6W S30 BT.
 A pinion pine, 8 ins. diam., brs. S.44 $\frac{3}{4}$ ° E., 198 lks. dist., marked T19N R6W S31 BT.
 Desc. gradually.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor. of fracl. sec. 25, marked on brass cap

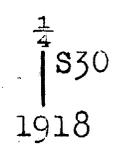
$\frac{1}{4}$
 S25
 1918

From which
 A pine, 8 ins. diam., brs. N.62 $\frac{1}{2}$ ° W., 80 lks. dist., marked $\frac{1}{4}$ S25 BT.
 A pine, 8 ins. diam., brs. S.16° W., 108 lks. dist., marked $\frac{1}{4}$ S25 BT.
 Desc. 25 ft.
 44.20 Draw, course NE. Thence along E. slope.
 46.40 Draw, course NE. Asc.
 50.50 Spur, slopes E. Desc.
 50.50 Draw, course E. Asc.

East Boundary of Fractional T. 19 N., R. 7 W. 11.

Chains.
58.74

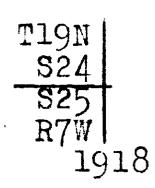
(40.00 chs. N. of the cor. of secs. 30 and 31.)
Set an iron post, 3 ft. long, 1 in. diam., 5 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor. of sec. 30, T. 19 N., R. 6 W., marked on brass cap



From which
A pinion pine, 12 ins. diam., brs. N.82° E., 83 lks. dist., marked $\frac{1}{4}$ S30 BT.
A juniper, 20 ins. diam., brs. S.32 $\frac{1}{2}$ ° E., 65 lks. dist., marked $\frac{1}{4}$ S30 BT.

64.60
72.60
80.00

Spur, slopes E. Desc.
Draw, course E. Asc.
Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in the ground, in a mound of stone, for cor. of fracl. secs. 24 and 25, marked on brass cap

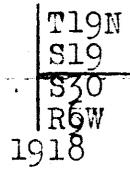


From which
A pine, 6 ins. diam., brs. S.41° W., 62 lks. dist., marked T19N R7W S25 BT.
A pine, 6 ins. diam., brs. N.26° W., 90 lks. dist., marked T19N R7W S24 BT.
Land, rolling mountainous.
Soil, adobe, clay and gravel, very rocky, 2nd to 4th rates.
Timber, pine, cedar and juniper.
Undergrowth, algerita, scrub oak, cat claw, mesquite and cactus.

8.60
9.80
18.74

North on a true line, along the E. bdy. of fracl. sec. 24. Over rolling land, through scattering timber and dense undergrowth.

Desc.
Draw, course NE. Asc.
Spur, extends 8 chs. E. Desc.
(80.00 chs. N. of the cor. of secs. 30 and 31, T. 19 N., R. 6 W.) Set an iron post, 3 ft. long, 2 ins. diam., 22 ins. in the ground, in a mound of stone, for cor. of secs. 19 and 30, T. 19 N., R. 6 W., marked on brass cap



31.00
40.00

From which
A pinion pine, 10 ins. diam., brs. N.32° E., 105 lks. dist., marked T19N R6W S19 BT.
A pinion pine, 7 ins. diam., brs. S.10 $\frac{1}{4}$ ° E., 138 lks. dist., marked T19N R6W S30 BT.
Draw, course E. Thence along E. slope.
Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., of fracl. sec. 24, marked on brass cap

12. East Boundary of Fractional T. 19 N., R. 7 W.

Chains.

S24
|
1918

From which
A pine, 15 ins. diam., brs. N.58½° W., 91 lks. dist.,
marked ¼S24 BT.
A pine, 6 ins. diam., brs. S.64° W., 5 lks. dist.,
marked ¼S24 BT.

43.60 Enter heavy timber, brs. E. and W.
53.70 Draw, course NE. Asc.
57.30 Spur, slopes NE. Desc.
58.74 (40.00 chs. N. of the cor. of secs. 19 and 30.)
Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the
ground, in a mound of stone, for ¼ sec. cor., of sec.
19, T.19 N., R. 6 W., marked on brass cap.

¼
|
S19
|
1918

From which
A pinion pine, 10 ins. diam., brs. N.67½° E., 51 lks.
dist., marked ¼S19 BT.
A pinion pine, 10 ins. diam., brs. S.56½° E., 34 lks.
dist., marked ¼S19 BT.

Asc.
68.66 Jones Bishop's fence cor. brs. W. 50 lks. dist. Fence runs
N. and W. from cor.
77.20 Spur, slopes NE. Desc.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in the
ground, in a mound of stone, for cor. of sec. 13, and
fracl. sec. 24, marked on brass cap

T19N
|
S13
|
S24
|
R7W
|
1918

From which
A pine, 22 ins. diam., brs. S.22° W., 164 lks. dist.,
marked T19N R7W S24 BT.
A pine, 10 ins. diam., brs. N.46¾° W., 76 lks. dist.,
marked T19N R7W S13 BT.

Land, rolling.
Soil, adobe, clay and gravel, very rocky, 2nd to 4th rates.
Timber, cedar, pine and juniper.
Undergrowth, algerita, scrub oak, cat claw, mesquite and
cactus.

North on a true line, along the E. bdy. of sec. 13.
Over rolling land, through heavy timber and dense under-
growth.

Desc.
1.40 Draw, course E. Asc.
9.00 Ridge, brs. E. and W. Desc.
13.60 Draw, course E. Asc.
18.74 (80.00 chs. N. of the cor. of secs. 19 and 30, T. 19 N., R.
6 W.)
Set an iron post, 3 ft. long, 3 ins. diam., 8 ins. in the
ground, in a mound of stone, for cor. of secs. 18 and
19, T. 19 N., R. 6 W., marked on brass cap

East Boundary of Fractional T. 19 N., R. 7 W.

Chains.

T19N
S18
S19
R6W
1918

From which
A cedar, 24 ins. diam., brs. N.29° E., 64 lks. dist.,
marked T19N R6W S18 BT.
A cedar, 20 ins. diam., brs. S.7³/₄° E., 24 lks. dist.,
marked T19N R6W S19 BT.
31.60 Draw, course NE. Thence along E. slope.
38.60 Draw, course NE.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the
ground, in a mound of stone, for ¹/₄ sec. cor., of sec. 13,
marked on brass cap

¹/₄
S13
1918

From which
A pine, 12 ins. diam., brs. S.32¹/₂° W., 151 lks. dist.,
marked ¹/₄S13 BT.
A pine, 10 ins. diam., brs. N.37¹/₂° W., 54 lks. dist.,
marked ¹/₄S13 BT.
58.58 A pine, 24 ins. diam., on line.
58174 (40.00 chs. N. of the cor. of secs. 18 and 19, T. 19 N., R.
6 W.)
Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the
ground, in a mound of stone, for ¹/₄ sec. cor. of sec. 18,
T. 19 N., R. 6 W., marked on brass cap

¹/₄
S18
1918

From which
A yellow pine, 14 ins. diam., brs. N.47° E., 130 lks.
dist., marked ¹/₄S18 BT.
A cedar, 24 ins. diam., brs. S.58¹/₂° E., 144 lks. dist.,
marked ¹/₄S18 BT.
68.10 Wash, course E.
68.40 Trail, brs. W. to New Water and E. to Happy Camp.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in the
ground, on solid rock, in a mound of stone, for cor. of
secs. 12 and 13, marked on brass cap

T19N
S12
S13
R7W
1918

From which
A cedar, 36 ins. diam., brs. S.24¹/₂° W., 67 lks. dist.,
marked T19N R7W S13 BT.
A pine, 8 ins. diam., brs. N.36° W., 87 lks. dist.,
marked T19N R7W S12 BT.
Land, rolling.
Soil, adobe, clay and gravel; very rocky, 2nd to 4th rates.
Timber, pine, cedar and juniper.
Undergrowth, algerita, scrub oak, cat claw, mesquite and
cactus.

North on a true line, along the E. bdy. of sec. 12.
Over rolling land, through heavy timber and dense under-
growth.

14.

East Boundary of Fractional T. 19 N., R. 7 W.

Chains.

18.74

(80.00 chs. N. of the cor. of secs. 18 and 19, T. 19 N., R. 6 W.)
Set an iron post, 3 ft. long, 3 ins. diam., 14 ins. in the ground, in a mound of stone, for cor. of secs. 7 and 18, T. 19 N., R. 6 W., marked on brass cap

T19N
S 7
S18
R6W
1918

From which

A pinion pine, 6 ins. diam., brs. N.26 $\frac{1}{2}$ ° E., 85 lks. dist., marked T19N R6W S7 BT.

A pinion pine, 8 ins. diam., brs. S.49° E., 24 lks. dist., marked T19N R6W S18 BT.

34.00

Swale, course SW.

40.00

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., of sec. 12, marked on brass cap

S12
1918

From which

A cedar, 6 ins. diam., brs. N.68° W., 26 lks. dist., marked $\frac{1}{2}$ S12 BT.

A cedar, 10 ins. diam., brs. S.51° W., 15 lks. dist., marked $\frac{1}{2}$ S12 BT.

40.40

Road, brs. W. to New Water and E. to Seligman.

58.74

(40.00 chs. N. of the cor. of secs. 7 and 18, T. 19 N., R. 6 W.)

Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground, in a mound of stone, for $\frac{1}{2}$ sec. cor. of sec. 7, T. 19 N., R. 6 W., marked on brass cap

S 7
1918

From which

A pinion pine, 10 ins. diam., brs. N.25° E., 18 lks. dist., marked $\frac{1}{4}$ S7 BT.

A pinion pine, 5 ins. diam., brs. S.20 $\frac{1}{2}$ ° E., 69 lks. dist., marked $\frac{1}{4}$ S7 BT.

70.60

Ravine, course W.

76.00

Ravine, course SW.

80.00

Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, on solid rock, in a mound of stone, for cor. of secs. 1 and 12, marked on brass cap

T19N
S 1
S12
R7W
1918

From which

A cedar, 12 ins. diam., brs. S.54° W., 54 lks. dist., marked T19N R7W S12 BT.

A pine, 7 ins. diam., brs. N.51° W., 120 lks. dist., marked T19N R7W S1 BT.

Land, rolling.

Soil, adobe, clay and gravel; very rocky, 2nd to 4th rates.

Timber, cedar, pine and juniper.

Undergrowth, algerita, scrub oak, cat claw, mesquite and cactus.

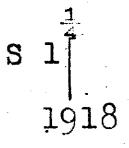
East Boundary of Fractional T. 19 N., R. 7 W. 15.

Chains.

18.74 North on a true line, along the E. bdy. of sec. 1. Over rolling land, through heavy timber and dense undergrowth. Desc. 200 ft. (80.00 chs. N. of the cor. of secs. 7 and 18, T. 19 N., R. 6 W.)
 Set an iron post, 3 ft. long, 3 ins. diam., 20 ins. in the ground, in a mound of stone, for cor. of secs. 6 and 7, T. 19 N., R. 6 W., marked on brass cap



From which
 A yellow pine, 20 ins. diam., brs. N.28 $\frac{1}{2}$ ° E., 94 lks. dist., marked T19N R6W S6 BT.
 A cedar, 20 ins. diam., brs. S.46° E., 74 lks. dist., marked T19N R6W S7 BT.
 23.23 Main ravine, course N.80° E. Asc. 120 ft.
 31.40 Spur, extends E. 5 chs. Desc. 100 ft.
 37.83 Ravine, course SE. Asc. 275 ft.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, on solid rock, in a mound of stone, for $\frac{1}{4}$ sec. cor. of sec. 1, marked on brass cap

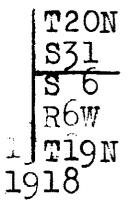


And raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
 52.00 Top of ascent, brs. NW. and SE. Thence over level mesa.
 52.73 Fence line, brs. N.25° W. and S.25° E.
 58.74 (40.00 chs. N. of the cor. of secs. 6 and 7, T. 19 N., R. 6 W.)
 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor. of sec. 6, T. 19 N., R. 6 W., marked on brass cap



From which
 A cedar, 15 ins. diam., brs. N.26 $\frac{1}{2}$ ° E., 144 lks. dist., marked $\frac{1}{4}$ S6 BT.
 A cedar, 40 ins. diam., brs. N.54 $\frac{1}{2}$ ° E., 54 lks. dist., marked $\frac{1}{4}$ S6 BT.

67.40 Swale, course SE.
 80.63 The reestablished cor. of Ts. 19 & 20 N., R. 7 W., hereinbefore described.
 92.53 (73.79 chs. N. of the cor. of secs. 6 and 7, T. 19 N., R. 6 W.)
 A point due W. of the cor. of Ts. 19 and 20 N., Rs. 5 and 6 W.
 At the point of intersection, set an iron post, 3 ft. long, 3 ins. diam., 20 ins. in the ground, in a mound of stone, for cor. of Ts. 19 and 20 N., R. 6 W., marked on brass cap,



From which

16. East Boundary of Fractional T. 19 N., R. 7 W.

Chains.

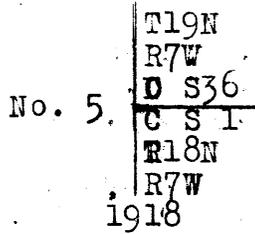
A pinion pine, 8 ins. diam., brs. N.39 $\frac{1}{2}$ ° E., 53 lks. dist., marked T20N R6W S31 BT.
 A pinion pine, 10 ins. diam., brs. S.38 $\frac{1}{2}$ ° E., 41 lks. dist., marked T19N R6W S6 BT.
 Land, rolling.
 Soil, adobe, clay and gravel, very rocky, 2nd to 4th rates.
 Timber, cedar, pine and juniper.
 Undergrowth, algerita, scrub oak, cat claw, mesquite and cactus.

South Boundary of Fractional T. 19 N., R. 7 W.

From the cor. of Ts. 18 and 19 N., Rs. 6 and 7 W., hereinbefore described,
 West on a true line, bet. fracl. secs. 1 and 36.
 Over rolling mountainous land, through scattering timber and dense undergrowth.

2.20
 4.60
 9.00
 13.98
 19.00
 28.63

Asc. 25 ft.
 Spur, extends 2 chs. N. Desc. 80 ft.
 Draw, course SW. Asc. 25 ft.
 Spur, extends 1 ch. N. Desc.
 Same draw, course NW. Asc. 200 ft.
 Rim rock, brs. NW. and SE. Thence over rolling land.
 Intersect the East Boundary of the Luis Maria Baca Float No. 5, 25.70 chs. S.2° 3' W. of the 21 mile cor., which is a limestone, hereinbefore described. At the point of intersection, set an iron post, 3 ft. long, 3 ins. diam. 12 ins. in the ground, in a mound of stone, for closing cor. of fracl. Ts. 18 and 19 N., R. 7 W., marked on brass cap.



From which
 A pine, 20 ins. diam., brs. S.54° E., 38 lks. dist., marked T18N R7W S1 CC BT.
 No other trees within limits. Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, E. of cor.
 Land, rolling mountainous.
 Soil, adobe, clay and gravel; very rocky, 4th rate.
 Timber, cedar, pine and juniper.
 Undergrowth, algerita, scrub oak, cat claw, mesquite and cactus.

Boundaries of Fractional T. 19 N., R. 17 W.
 Latitudes, departures and closing errors.

Line designated.	True bearing.	Dist. chs.	Latitudes.		Departures.	
			N. chs.	S. chs.	E. chs.	W. chs.
South Boundary.	West.	28.63				28.63
Bdrs. Luis Maria Baca Float No. 5.	N. 2° 3' E.	25.70	25.68		.09	
	N. 0° 5' E.	79.31	79.31		.11	
	N. 2° 15' E.	79.24	79.18		3.12	
	N. 1° 33' E.	26.06	26.05		.70	
	N. 88° 28' W.	53.49	1.44			53.48
	S. 89° 42' W.	78.56		.42		78.56
	S. 89° 23' W.	79.58		.86		79.58
	S. 88° 45' W.	80.20		1.75		80.18
	S. 89° 48' W.	79.69		.28		79.69
	N. 89° 46' W.	79.82	.32			79.82
S. 89° 53' W.	3.38		.01		3.38	
West Boundary.	North.	252.10	252.10			
North Boundary.	N. 89° 11' E.	78.52	1.12		78.51	
	S. 89° 54' E.	80.29		.13	80.29	
	S. 89° 54' E.	80.09		.13	80.09	
	S. 89° 58' E.	79.83		.05	79.83	
	S. 89° 56' E.	79.97		.10	79.97	
	S. 89° 57' E.	80.12		.07	80.12	
East Boundary.	South	461.89		461.89		
Convergency					.28	
Totals			465.20	465.69 465.20	483.11	483.32 483.11
Error in latitude.				.49		
Error in departure						.21

Subdivision of Fractional T. 19 N., R. 7 W.

19.

Chains.

From the cor. of secs. 1 and 12, on the East Bdy. of Tp., which is an iron post, hereinbefore described, West on sectional correction line, bet. secs. 1 and 12. Over rolling land, through scattering undergrowth. Desc. 40 ft.

12.00 Drain, course N. Asc.

15.00 Low ridge, brs. N. and S. Desc. over rolling land.

30.00 Road, brs. NE. to Seligman and SW.

33.26 Wash, course NE. Asc.

40.00 Set an iron post, 3 ft. long, 1 in. diam., on solid rock, 30 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

$$\begin{array}{r} \frac{1}{4} S 1 \\ \hline \frac{1}{4} S 12 \\ 1918 \end{array}$$

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

50.00 Road, brs. NW. and SE. to Seligman.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 1, 2, 11 and 12, marked on brass cap

$$\begin{array}{r} T19N R7W \\ S 2 | S 1 \\ \hline S11 | S12 \\ 1918 \end{array}$$

From which
A juniper, 30 ins. diam., brs. N.78° E., 35 lks. dist., marked T19N R7W S1 BT.
No other trees within limits. Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Land, rolling.
Soil, adobe clay, covered with lava stones, lying on limestone formation, 2nd and 3rd rates.
Timber, very scattering pinion, juniper and cedar.
Undergrowth, scrub cedar, scrub oak and pinion.

40.00 N.0° 1' W., on a random line, bet. secs. 1 and 2.
Set temp. $\frac{1}{4}$ sec. cor.

80.68 Intersect N. bdy. of Tp., 2 lks. W. of the cor. of secs. 1, 2, 35 and 36, which is a volcanic stone, 6 X 12 X 6 ins. above ground, firmly set, marked and witnessed as described by the Surveyor-General.

Thence
South on a true line, bet. secs. 1 and 2.
Over rolling land, through dense timber and scattering undergrowth.

22.90 Rim road, brs. NW. and SE. Leave timber, brs. NW. and SE. Desc. gradually.

40.68 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$$\begin{array}{r} \frac{1}{4} S 1 \\ S 2 | S 1 \\ \hline 1918 \end{array}$$

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

71.93 Road, brs. E. and W.

80.68 The cor. of secs. 1, 2, 11 and 12.
Land, rolling.
Soil, N. $\frac{1}{2}$ mile, volcanic ash on lava bed; S. $\frac{1}{2}$ mile, clay covered with scattering lava stones, 2nd rate.
Timber, cedar.
Undergrowth, scrub oak and scrub cedar.

20. Subdivision of Fractional T. 19 N., R. 7 W.

Chains.

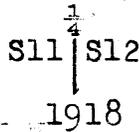
S.0° 1' E., bet. secs. 11 and 12.
Over rolling land, through scattering timber and undergrowth.

Asc. 120 ft.

18.80 Spur, slopes E. Desc. 85 ft.

35.20 Draw, course E. Asc. 130 ft.

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



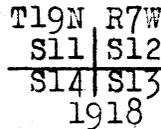
From which

A pine, 55 ins. diam., brs. S.64 1/4° E., 406 lks. dist., marked 1/4 S12 BT.

A pine, 40 ins. diam., brs. N.66 3/4° W., 180 lks. dist., marked 1/4 S11 BT.

67.00 Spur, slopes NE. Desc. 110 ft.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground, on solid rock, in a mound of stone, for cor. of secs. 11, 12, 13 and 14, marked on brass cap



From which

A pine, 24 ins. diam., brs. N.63° E., 542 lks. dist., marked T19N R7W S12 BT.

A cedar, 30 ins. diam., brs. S.45 3/4° E., 154 lks. dist., marked T19N R7W S13 BT.

A pine, 6 ins. diam., brs. N.24 1/4° W., 185 lks. dist., marked T19N R7W S11 BT.

No other trees within limits. Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Land, rolling.

Soil, clay and sandy loam, 2nd and 3rd rates.

Timber, pine, cedar and juniper.

Undergrowth, scrub oak and scrub cedar.

East on a random line, bet. secs. 12 and 13.

40.00 Set temp. 1/4 sec. cor.

80.10 Intersect E. bdy. of Tp., 20 lks. S. of the cor. of secs. 12 and 13, which is an iron post, hereinbefore described.

Thence

S.89° 51' W., on a true line, bet. secs. 12 and 13.

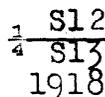
Over rolling land, through dense timber and scattering undergrowth.

Desc.

31.45 Draw, course N. Old road in draw, brs. N. and S. Asc.

34.10 Spur, slopes N. Desc. 175 ft.

40.05 Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the ground, in a mound of stone, for 1/4 sec. cor., marked on brass cap



From which

A pine, 8 ins. diam., brs. N.15° E., 34 lks. dist., marked 1/4 S12 BT.

A pine, 8 ins. diam., brs. S.1° E., 54 lks. dist., marked 1/4 S13 BT.

56.10 Leave dense, enter scattering timber, brs. N. and S.

62.10 Wash, course N.30° E. Asc. 50 ft.

64.20 Road, brs. NE. to Seligman and SW.

Subdivision of Fractional T. 19 N., R. 7 W.

Chains. 80.10	<p>The cor. of secs. 11, 12, 13 and 14. Land, rolling. Soil, sandy, clayey loam, 1st, 2nd and 3rd rates. Timber, pine, juniper and cedar. Undergrowth, scrub oak and scrub cedar.</p>
<p>1.10 6.50 8.00 11.00 18.65 26.40 27.18 40.00</p>	<p>S.0° 1' E., bet. secs. 13 and 14. Over rolling mountainous land, through scattering timber and undergrowth. Desc. 25 ft. Draw, course E. Asc. 30 ft. Spur, slopes NE. Desc. Enter dense timber, brs. E. and W. Swale, drains NE. Continue descent. Ravine, course E. Asc. 75 ft. Small hill. Desc. Ravine, course NE. Asc. 200 ft. Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap</p> <p style="text-align: center;"> $\frac{1}{4}$ S 14 S13 1918 </p>
<p>52.10 55.60 65.65 75.65 78.90 80.00</p>	<p>From which A cedar, 15 ins. diam., brs. N.85° E., 56 lks. dist., marked $\frac{1}{4}$S13 BT. A cedar, 10 ins. diam., brs. S.81° W., 23 lks. dist., marked $\frac{1}{4}$S14 BT. Spur, slopes E. Desc. 80 ft. Head of ravine, course E. Asc. 40 ft. Spur, extends 15 chs. SE. Desc. 190 ft. Draw, course E. Continue descent. Main draw, course N.80° E. Asc. 35 ft. Set an iron post, 3 ft. long, 2 ins. diam., 15 ins. in the ground, in a mound of stone, for cor. of secs. 13 and 14 and fracl. secs. 23 and 24, marked on brass cap</p> <p style="text-align: center;"> T19N R7W S14 S13 S23 S24 1918 </p>
<p>40.00 80.08</p>	<p>N.89° 51' E., on a random line, bet. sec. 13 and fracl. sec. 24. Set temp. $\frac{1}{4}$ sec. cor. Intersect E. bdy. of Tp., 5 lks. S. of the cor. of sec. 13 and fracl. sec. 24, which is an iron post, hereinbefore described. Thence S.89° 49' W., on a true line, bet. sec. 13 and fracl. sec.</p>

22.

Subdivision of Fractional T. 19 N., R. 7 W.

Chains.

<p>17.10 29.10 40.04</p>	<p>24. Over rolling mountainous land, through dense timber and undergrowth. Desc. Draw, course N.85° E. Thence along N. slope. Meadow, 2 chs. wide, drains N.85° W. Asc. 185 ft. Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap</p> <p style="text-align: center;"> $\frac{1}{4}$ S13 $\frac{1}{4}$ S24 1918 </p> <p>From which A pine, 8 ins. diam., brs. N.39$\frac{3}{4}$° E., 56 lks. dist., marked $\frac{1}{4}$S13 BT. A pine, 8 ins. diam., brs. S.72$\frac{1}{4}$° E., 113 lks. dist., marked $\frac{1}{4}$S24 BT. Ridge, brs. N. and S. Desc. 145 ft. Draw, course N.70° W. Asc. Desc. 80 ft. The cor. of secs. 13 and 14 and frac. secs. 23 and 24. Land, rolling mountainous. Soil, clay and gravelly loam, 2nd, 3rd and 4th rates. Timber, pine, juniper and cedar. Undergrowth, scrub oak and scrub cedar.</p>
<p>9.25 9.41</p>	<p>S.0° 1' E., bet. frac. secs. 23 and 24. Over rolling mountainous land, through dense timber and undergrowth. Asc. 50 ft. Fence line, Luis Maria Baca Float No. 5, brs. E. and W. Intersect North Boundary of Luis Maria Baca Float No. 5, 2.35 chs. S.89° 42' W. of the 18 mile cor., which is a limestone, 12 X 10 X 6 ins. above ground, firmly set, marked and witnessed as described by the Surveyor-General. At the point of intersection, set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground, on solid rock, in a mound of stone, for closing cor. of frac. secs. 23 and 24, marked on brass cap</p> <p style="text-align: center;"> T19N R7W S23 S24 C C <hr/> No. 5 1918 </p> <p>From which A pine, 10 ins. diam., brs. N.22° E., 161 lks. dist., marked CC T19N R7W S24 BT. A pine, 14 ins. diam., brs. N.2$\frac{1}{4}$° W., 124 lks. dist., marked CC T19N R7W S23 BT. Land, rolling mountainous. Soil, gravelly loam, rocky, 1st and 2nd rates. Timber, yellow pine and cedar. Undergrowth, scrub oak and scrub cedar.</p>
<p>10.00 24.87</p>	<p>From the cor. of frac. secs. 24 and 25, on the E. bdy. of the Tp., which is an iron post, hereinbefore described, S.89° 49' W., on a true line, bet. frac. secs. 24 and 25. Over rolling land, through scattering timber and undergrowth. Enter dense timber, brs. N. and S. Fence line, Luis Maria Baca Float No. 5, brs. N. and S.</p>

Subdivision of Fractional T. 19 N., R. 7 W.

Chains.

26.43

Intersect East Boundary of Luis Maria Baca Float No. 5,
 42.82 chs. S.2° 15' W. of the 19 mile cor., which is a
 limestone, 30X 14 X 12 ins. above ground, marked and
 witnessed as described by the Surveyor-General.
 At the point of intersection, set an iron post, 3 ft. long,
 1 in. diam., 11 ins. in the ground, on solid rock, in a
 mound of stone, for closing cor. of fracl. secs. 24 and
 25, marked on brass cap

T19N
 R7W
 C S24
 No. 5 C S25
 1918

From which
 A pine, 8 ins. diam., brs. N.49° E., 43 lks. dist.,
 marked CC T19N R7W S24 BT.
 A pine, 14 ins. diam., brs. S.17½° E., 72 lks. dist.,
 marked CC T19N R7W S25 BT.

Land, rolling.
 Soil, clay and gravelly loam, rocky, 2nd and 3rd rates.
 Timber, pine, cedar and juniper.
 Undergrowth, scrub oak and cedar.

From the cor. of fracl. secs. 25 and 36, on the E. bdy. of
 the Tp., which is an iron post, hereinbefore described,
 S.89° 49' W., on a true line, bet. fracl. secs. 25 and 36.
 Over rolling mountainous land, through dense timber and
 undergrowth.

Desc. 90 ft.

3.76

Ravine, course N. Asc. 75 ft.

12.80

Head of ravine, course N.80° E. Continue ascent.

16.50

Ridge, brs. N. and S. Desc. 50 ft.

16.60

Dim road, brs. N. and S.

27.85

Intersect East Boundary of Luis Maria Baca Float No. 5,
 43.62 chs. S.0° 5' W. of the 20 mile cor., which is a
 limestone, 24 X 18 X 12 ins., marked and witnessed as
 described by the Surveyor-General.

At the point of intersection, set an iron post, 3 ft. long,
 1 in. diam., 26 ins. in the ground, for closing cor. of
 fracl. secs. 25 and 36, marked on brass cap

T19N
 R7W
 C S25
 No. 5 C S36
 1918

From which
 A pine, 30 ins. diam., brs. N. 86° E., 28 lks. dist.,
 marked CC T19N R7W S25 BT.
 A pine, 10 ins. diam., brs. S.56° E., 4 lks. dist.,
 marked CC T19N R7W S36 BT.

30.88

Fence line, Luis Maria Baca Float No. 5, brs. E. and W.

Land, rolling mountainous.
 Soil, clay and gravelly loam, rocky, limestone formation,
 2nd, 3rd and 4th rates.
 Timber, pine, cedar and juniper.
 Undergrowth, scrub oak and young timber.

From the cor. of secs. 1, 2, 11 and 12,
 West on sectional correction line, bet. secs. 2 and 11.
 Over rolling land, through scattering timber and under-
 growth.

25.50

Road, brs. NE. and SW.

40.00

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the

24.

Subdivision of Fractional T. 19 N., R. 7 W.

Chains.

ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$ S 2
 S 11
 1918

80.00 And raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 2, 3, 10 and 11, marked on brass cap

T19N R7W
 S 3 | S 2
 S 10 | S 11
 1918

And raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Land, rolling.
 Soil, dark, warm, covered with lava stones, 2nd rate.
 Timber, scattering cedar.
 Undergrowth, quinine brush.

40.00 N.0° 1' W., on a random line, bet. secs. 2 and 3.
 80.64 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. bdy. of Tp., 2 lks. W. of the cor. of secs. 2, 3, 34 and 35, which is a sandstone, 4 X 10 X 10 ins. above ground, firmly set, marked and witnessed as described by the Surveyor-General.

Thence
 South on a true line, bet. secs. 2 and 3.
 Over rolling land, through scattering timber and undergrowth.

40.64 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$
 S 3 | S 2
 1918

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

73.75 Wash, course SW.
 80.64 Wash, course NW.
 The cor. of secs. 2, 3, 10 and 11.

Land, rolling.
 Soil, dark, warm, covered with lava stones, 2nd rate.
 Timber, scattering cedar.
 Undergrowth, quinine brush.

28.00 S.0° 1' E., bet. secs. 10 and 11.
 Over level land, through scattering timber and undergrowth.
 Leave level, enter rolling land, brs. NE. and SW. Asc. 60 ft.

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

$\frac{1}{4}$
 S 10 | S 11
 1918

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

Subdivision of Fractional T. 19 N. R. 7 W.

<p>Chains. 64.45 70.00 80.00</p>	<p>Asc. 125 ft. Road, brs. W. to Anvil Rock and E. to New Water. Enter dense undergrowth, brs. E. and W. Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 10, 11, 14 and 15, marked on brass cap</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td>T19N</td><td>R7W</td></tr> <tr><td>S10</td><td>S11</td></tr> <tr><td>S15</td><td>S14</td></tr> <tr><td colspan="2" style="text-align: center;">1918</td></tr> </table> <p>From which A cedar, 12 ins. diam., brs. N.30$\frac{1}{4}$° E., 164 lks. dist. marked T19N R7W S11 BT. A pinion pine, 75 ins. diam., brs. S.64$\frac{1}{4}$° E., 125 lks. dist., marked T19N R7W S14 BT. A pine, 24 ins. diam., brs. S.40$\frac{1}{2}$° W., 382 lks. dist., marked T19N R7W S15 BT. A cedar, 18 ins. diam., brs. N.54$\frac{1}{2}$° W., 283 lks. dist., marked T19N R7W S10 BT.</p> <p>Land, level and rolling. Soil, clay and gravelly loam, 1st and 2nd rates. Timber, cedar and juniper and pine. Undergrowth, scrub oak and young timber.</p>	T19N	R7W	S10	S11	S15	S14	1918	
T19N	R7W								
S10	S11								
S15	S14								
1918									
<p>40.00 79.99 22.35 27.15 39.00 39.99$\frac{1}{2}$</p>	<p>East on a random line, bet. secs. 11 and 14. Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line, 7 lks. S. of the cor. of secs. 11, 12, 13 and 14. Thence S.89° 57' W., on a true line, bet. secs. 11 and 14. Over rolling land, through scattering timber and undergrowth. Asc. 125 ft. Main ridge, brs. N. and S. Desc. 20 ft., through dense undergrowth. Ravine, course SW. Asc. 50 ft. Spur, slopes SW. Desc. 315 ft. Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td>$\frac{1}{4}$</td><td>S11</td></tr> <tr><td>$\frac{1}{4}$</td><td>S14</td></tr> <tr><td colspan="2" style="text-align: center;">1918</td></tr> </table>	$\frac{1}{4}$	S11	$\frac{1}{4}$	S14	1918			
$\frac{1}{4}$	S11								
$\frac{1}{4}$	S14								
1918									
<p>63.00 65.20 66.60 68.65 79.99</p>	<p>From which A cedar, 7 ins. diam., brs. N.64$\frac{1}{2}$° E., 114 lks. dist., marked $\frac{1}{4}$S11 BT. A pine, 15 ins. diam., brs. S.41$\frac{3}{8}$° E., 111 lks. dist., marked $\frac{1}{4}$S14 BT.</p> <p>Bishop's barn brs. S. 5.00 chs. dist. Bishop's dam brs. S. 7.00 chs. dist. Road, brs. N. to Seligman and S. to New Water. Dry creek bed, course N.3° W. Asc. 150 ft. The cor. of secs. 10, 11, 14 and 15. Land, rolling and broken. Soil, clay and gravelly loam, rocky, 2nd and 3rd rates. Timber, pine, juniper and cedar. Undergrowth, scrub oak and young timber.</p>								
<p>9.70</p>	<p>S.0° 1' E., bet. secs. 14 and 15. Over rolling land, through scattering timber and dense undergrowth. Asc. 80 ft. Spur, extends 15.00 chs. E. Desc. 90 ft.</p>								

26.

Subdivision of Fractional T. 19 N., R. 7 W.

Chains.	
23.00	Draw, course E. Thence over rolling land.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, in a mound of stone; for $\frac{1}{4}$ sec. cor., marked on brass cap
	$\begin{array}{c} \frac{1}{4} \\ S15 S14 \\ \hline 1918 \end{array}$
	From which
	A pine, 40 ins. diam., brs. N.88 $\frac{1}{4}$ ° W., 186 lks. dist., marked $\frac{1}{4}$ S15 BT.
	A pine, 24 ins. diam., brs. S.11° E., 228 lks. dist., marked $\frac{1}{4}$ S14 BT.
43.45	Road, brs. NE. to Seligman and SW. to New Water.
44.20	Dry creek bed, course N.10° E. Asc. 210 ft.
44.70	Bishop's well brs. W. 0.25 chs. dist.
51.10	North gable of Bishop's house brs. S.51 $\frac{1}{2}$ ° W.
61.00	Spur, slopes NW. Desc. 125 ft.
75.40	Ravine, course NW. Asc.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 22 ins. in the ground, in a mound of stone, for cor. of secs. 14, 15, and fracl. secs. 22 and 23, marked on brass cap
	$\begin{array}{c} T19N R7W \\ S15 S14 \\ \hline S22 S23 \\ \hline 1918 \end{array}$
	From which
	A pine, 20 ins. diam., brs. S.71° E., 75 lks. dist., marked T19N R7W S23 BT.
	A pine, 8 ins. diam., brs. S.88 $\frac{3}{4}$ ° W., 119 lks. dist., marked T19N R7W S22 BT.
	A cedar, 10 ins. diam., brs. N.73 $\frac{1}{4}$ ° W., 95 lks. dist., marked T19N R7W S15 BT.
	No other trees within limits. Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
	From this cor., north gable of Bishop's house brs. N.22° 40' W. Main spring brs. 2.00 chs. NE. of Bishop's house.
	Land, rolling and broken.
	Soil, clay and gravelly loam, rocky, 2nd and 3rd rates.
	Timber, pine, cedar and juniper.
	Undergrowth, scrub oak and young timber.
	N.89° 57' E., on a random line, bet. sec. 14 and fracl. sec. 23.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.14	Intersect N. and S. line, at the cor. of secs. 13 and 14 and fracl. secs. 23 and 24.
	Thence
	S.89° 57' W., on a true line, bet. sec. 14 and fracl. sec. 23.
	Over rolling and broken land, through dense timber and undergrowth.
	Desc. 25 ft.
2.05	Canyon, course N.80° E. Asc. 200 ft.
19.55	Spur, slopes SE. Leave dense, enter scattering timber, brs. NW. and SE. Desc. 75 ft.
25.95	Head of ravine, course SE. Asc. 160 ft.
40.07	Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, on solid rock, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

Subdivision of Fractional T. 19 N., R. 7 W.

Chains.

$\frac{1}{4}$ S14
 $\frac{1}{4}$ S23
1918

44.35
77.85
80.14

From which
A cedar, 8 ins. diam., brs. N.21 $\frac{1}{4}$ ° E., 181 lks. dist.,
marked $\frac{1}{4}$ S14 BT.
A cedar, 16 ins. diam., brs. S.6 $\frac{1}{4}$ ° E., 295 lks. dist.,
marked $\frac{1}{4}$ S23 BT.
Ridge, brs. N. and S. Desc. 200 ft.
Dry water course, drains SW. Asc. 15 ft.
The cor. of secs. 14, 15, and fracl. secs. 22 and 23.
Land, rolling and broken.
Soil, 2nd and 3rd rates.
Timber, pine, cedar and juniper.
Undergrowth, scrub oak and young timber.

3.30
7.40
9.75

S.0° 1' E., bet. fracl. secs. 22 and 23.
Over rolling land, through scattering timber and under-
growth.
Asc. 75 ft.
Spur, slopes SW. Desc.
Draw, course SE. Asc.
Fence line, Luis Maria Baca Float No. 5, brs. E. and W.
Intersect North Boundary of Louis Maria Baca Float No. 5,
3.93 chs. S.89° 23' W., of the reestablished 17 mile
cor., which is a basalt stone, 8 X 14 X 12 ins. above
ground, hereinbefore described.
At the point of intersection, set an iron post, 3 ft. long,
1 in. diam., 14 ins. in the ground, on solid rock, in
a mound of stone, for closing cor. of fracl. secs. 22 and
23, marked on brass cap

T19N R7W
S22 | S23
C. C.
No. 5

1918

From which
A cedar, 8 ins. diam., brs. N.42° E., 205 lks. dist.,
marked CC T19N R7W S23 BT.
A pine, 6 ins. diam., brs. N.31 $\frac{3}{4}$ ° W., 128 lks. dist.,
marked CC T19N R7W S22 BT.
Land, rolling.
Soil, 2nd and 3rd rates.
Timber, juniper, pine and cedar.
Undergrowth, scrub oak and young timber.

40.00

From the cor. of secs. 2, 3, 10 and 11,
West on sectional correction line, bet. secs. 3 and 10.
Over level land, through scattering undergrowth.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$ S 3
 $\frac{1}{4}$ S10
1918

80.00

And raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N.
of cor.
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
ground, for cor. of secs. 3, 4, 9 and 10, marked on
brass cap.

28.

Subdivision of Fractional T. 19 N., R. 7 W.

Chains.

T19N R7W
 S 4 | S 3
 S 9 | S 10
 1918

Dig pits, 18 X 18 X 12 ins., in each sec., 5½ ft. dist.
 Land, level.
 Soil, light warm; surface covered with fine cherty gravel,
 2nd rate.
 Timber, none.
 Undergrowth, quinine brush.

40.00

N.0° 2' W., on a random line, bet. secs. 3 and 4.
 Set temp. ¼ sec. cor.

80.73

Intersect N. bdy. of Tp., 5 lks. W. of the secs. 3, 4, 33
 and 34, which is a limestone, 4 X 8 X 8 ins. above ground,
 firmly set, marked and witnessed as described by the
 Surveyor-General.

Thence

South on a true line, bet. secs. 3 and 4.
 Over rolling land; through scattering undergrowth.
 Desc. gradually.

40.73

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

¼
 S 4 | S 3
 1918

From which

A cedar, 20 ins. diam., brs. S.77° W., 15 lks. dist.,
 marked ¼ S4 BT.

No other trees within limits. Dig pits, 18 X 18 X 12 ins.,
 N. and S. of post, 3 ft. dist.

73.00

Wash, course W. Thence over level land.

80.73

The cor. of secs. 3, 4, 9 and 10.

Land, level and rolling.

Soil, light, warm, covered with fine cherty gravel, 2nd rate.

No timber.

Undergrowth, quinine brush.

Good grazing land.

40.00

S.0° 2' E., bet. secs. 9 and 10.
 Over rolling land, through scattering undergrowth.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for ¼ sec. cor., marked on brass cap

¼
 S 9 | S 10
 1918

79.50

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

80.00

Wash, course NW.

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 9, 10, 15 and 16, marked on
 brass cap

T19N R7W
 S 9 | S 10
 S 16 | S 15
 1918

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

Subdivision of Fractional T. 19 N., R. 7 W. 29.

Chains.

Land, rolling.
Soil, dark, rich clay, covered with small gravel and lava stones; dry, 2nd rate.
No timber.
Undergrowth, quinine brush.
Good grass.

40.00 East on a random line, bet. secs. 10 and 15.
Set temp. $\frac{1}{4}$ sec. cor.
80.02 Intersect N. and S. line, 6 lks. S. of the cor. of secs. 10, 11, 14 and 15.
Thence
S. $89^{\circ} 57'$ W., on a true line, bet. secs. 10 and 15.
Over rolling land, through scattering timber and dense undergrowth.
Asc. 85 ft.
8.60 Spur, slopes N. Desc. 210 ft.
23.40 Foot of descent, thence over gently rolling land.
40.01 Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$ S10
S15
1918

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

79.60 Wash, course N.
80.02 The cor. of secs. 9, 10, 15 and 16.
Land, rolling and gently rolling.
Soil, adobe, 1st and 2nd rates.
Timber, scattering pine and cedar.
Undergrowth, scrub oak and buck brush.

S. $0^{\circ} 2'$ E., bet. secs. 15 and 16.
Over rolling land, through very scattering timber and scattering undergrowth.
Asc. 125 ft.
36.00 Spur, slopes W. Desc. 40 ft.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$
S16 | S15
1918

From which

A pinion pine, 14 ins. diam., brs. S. $10\frac{1}{2}^{\circ}$ E., 222 lks. dist., marked $\frac{1}{4}$ S15 BT.
No other trees within limits. Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
42.70 Wash, course W. Asc. 275 ft.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 15, 16, and fracl. secs. 21 and 22, marked on brass cap

T19N R7W
S16 | S15
S21 | S22
1918

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

30. Subdivision of Fractional T. 19 N., R. 7 W.

Chains.

Soil, clay and sandy loam, 1st and 2nd rates.
 Timber, very scattering cedar.
 Undergrowth, scrub oak and young timber.

N. 89° 57' E., on a random line, bet. sec. 15 and fracl. sec. 22.

40.00
 79.93

Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line, 9 lks. S. of the cor. of secs. 14 and 15 and fracl. secs. 22 and 23.

Thence

S. 89° 53' W., on a true line, bet. sec. 15 and fracl. sec. 22.
 Over rolling mountainous land, through scattering timber and undergrowth.

Asc. 70 ft.

7.08
 7.33
 24.65
 26.00
 39.96 $\frac{1}{2}$

Fence line, brs. N. and S.
 Spur, slopes N. Desc. 125 ft.
 Fence line, brs. NE. and SW.
 Dry creek bed, course NE. Asc. 410 ft.
 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$ S15
 $\frac{1}{4}$ S22
 1918

From which.

A cedar, 12 ins. diam., brs. N. 60 $\frac{3}{4}$ ° E., 206 lks. dist. marked $\frac{1}{4}$ S15 BT.

No other trees within limits. Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

52.35
 52.40
 63.65
 79.93

Edge of rim rock, brs. NE. and SW. Thence over level bench land.

Jones Bishop's house brs. N. 63° 28' E.

Edge of rim rock, brs. NE. and SW. Desc. 440 ft.

The cor. of secs. 15 and 16 and fracl. secs. 21 and 22.

Land, rolling mountainous.

Soil, 2nd rate.

Timber, pine and cedar.

Undergrowth, scrub oak and young timber.

S. 0° 2' E., bet. fracl. secs. 21 and 22.

Over rolling land, through scattering small timber and undergrowth.

Asc. 15 ft.

4.20
 10.46

Spur, slopes W. Desc. 25 ft.
 Intersect Luis Maria Baca Float No. 5, 4.28 chs. S. 88° 45' W. of the 16-mile corner, which is a which is basalt stone, 5 X 14 X 12 ins, above ground, hereinbefore described.

At the point of intersection, set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for closing cor. of fracl. secs. 21 and 22, marked on brass cap

T19N R7W
 S21 S22
 C C

No. 5
 1918

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

11.69

Fence line, Luis Maria Baca Float No. 5, brs. E. and W.

Land, rolling.

Soil, clay and gravelly loam, 2nd rate.

Timber, small pines and cedars.

Subdivision of Fractional T. 19 N., R. 7 W. 31.

Chains.

Undergrowth, scrub oak.

40.00 From the cor. of secs. 3, 4, 9 and 10.
West on sectional correction line, bet. secs. 4 and 9.
Over level land, through scattering undergrowth.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$ S 4
S 9
1918

80.00 Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.
Set an iron post, 3 ft; long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 4, 5, 8 and 9, marked on brass cap

T19N R7W
S 5 | S 4
S 8 | S 9
1918

Dig pits, 18 X 18 X 12 ins., in each sec., $5\frac{1}{2}$ ft. dist.
Land, level.
Soil, rich, dark loam, 1st rate.
No timber.
Undergrowth, quinine brush.
Good grazing.

40.00 N.0° 3' W., on a random line, bet. secs. 4 and 5.
Set temp. $\frac{1}{4}$ sec. cor.
80.81 Intersect N. bdy. of Tp., 9 lks. E. of the reestablished cor. of secs. 4, 5, 32 and 33, which is an iron post, hereinbefore described.

Thence
S.0° 7' E., on a true line, bet. secs. 4 and 5.
Over level land, through very scattering timber and scattering undergrowth.

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

$\frac{1}{4}$
S 5 | S 4
1918

80.81 Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft dist.
The cor. of secs. 4, 5, 8 and 9.
Land, level.
Soil, rich, black loam, 1st rate.
No timber, except very scattering cedars.
Undergrowth, quinine brush.

40.00 S.0° 3' E., bet. secs. 8 and 9.
Over level land, through scattering undergrowth.
Road,
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$
S 8 | S 9
1918

32.

Subdivision of Fractional T. 19 N., R. 7 W.

Chains.

80.00 And raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 8, 9, 16 and 17, marked on brass cap

$$\begin{array}{r} T19N R7W \\ S 8 | S 9 \\ \hline S17 | S16 \\ 1918 \end{array}$$

And raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Land, level.
Soil, rich, dark loam, some gravel, 2nd rate.
No timber.
Undergrowth, quinine brush.
Good grass.

40.00 East on a random line, bet. secs. 9 and 16.
Set temp. $\frac{1}{4}$ sec. cor.
80.00 Intersect N. and S. line, 14 lks. S. of the cor. of secs. 9, 10, 15 and 16.

Thence

40.00 S. $89^{\circ} 54'$ W., on a true line, bet. secs. 9 and 16.
Over rolling land, through scattering undergrowth.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$$\begin{array}{r} S 9 \\ \frac{1}{4} S16 \\ 1918 \end{array}$$

80.00 And raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
The cor. of secs. 8, 9, 16 and 17.
Land, rolling.
Soil, dark, rich clay, with small lava stones, 2nd rate.
No timber.
Undergrowth, quinine brush.
Good grass.

38.00 S. $0^{\circ} 3'$ E., bet. secs. 16 and 17.
Over rolling land, through scattering undergrowth.
Wash, course W.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$$\begin{array}{r} \frac{1}{4} \\ S17 \uparrow S16 \\ \downarrow \\ 1918 \end{array}$$

50.00 And raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Small draw, course NW.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 16 and 17 and frscl. secs. 20 and 21, marked on brass cap

$$\begin{array}{r} T19N R7W \\ S17 | S16 \\ \hline S20 | S21 \\ 1918 \end{array}$$

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

Subdivision of Fractional T. 19 N., R. 7 W.

33

Chains.

Soil, rich, dark clay, mixed with small lava stones, 2nd rate.
No timber.
Undergrowth, quinine.
Good grass.

40.00 N.89° 54' E., on a random line, bet. sec. 16 and fracl. sec. 21.
79.98 Set temp. 1/4 sec. cor.
Intersect N. and S. line, 11 lks. N. of the cor. of secs. 15 and 16 and fracl. secs. 21 and 22.
Thence
39.99 S.89° 59' W., on a true line, bet. sec. 16 and fracl. sec. 21.
Over rolling land, through scattering undergrowth.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap

1 S16
1/4 S21
1918

79.98 And raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.
The cor. of secs. 16 and 17 and fracl. secs. 20 and 21.
Land, rolling.
Soil, rich, dark clay, mixed with small lava stones, 2nd rate.
No timber.
Undergrowth, quinine.
Good grass.

12.32 S.0° 3' E., bet. fracl. secs. 20 and 21.
Over level land, through scattering undergrowth.
Intersect North Boundary of Luis Maria Baca Float No. 5, 4.06 chs. S.89° 48' W. of the 15 mile cor., which is a wooden post, set in a mound of stone, marked and witnessed as described by the Surveyor-General.
At the point of intersection, set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for closing cor. of fracl. secs. 20 and 21, marked on brass cap

T19N R7W
S20 | S21
C | C
No. 5
1918

And raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.
Land, level.
Soil, rich, dark clayey loam, covered with gravel, 2nd rate.
No timber.
Undergrowth, quinine brush.
Good grass.

40.00 From the cor. of secs. 4, 5, 8 and 9,
West on sectional correction line, bet. secs. 5 and 8.
Over level land, through scattering undergrowth.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap

34.

Subdivision of Fractional T. 19 N., R. 7 W.

Chains.	
	$\begin{array}{r} \frac{1}{4} S 5 \\ \frac{1}{4} S 8 \\ \hline 1918 \end{array}$ <p>Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.</p>
80.00	<p>Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 5, 6, 7 and 8, marked on brass cap</p> $\begin{array}{r} T19N R7W \\ \hline S 6 S 5 \\ \hline S 7 S 8 \\ \hline 1918 \end{array}$ <p>Dig pits, 18 X 18 X 12 ins., in each sec., $5\frac{1}{2}$ ft. dist. Land, level. Soil, rich, dark loam, 1st rate. No timber. Undergrowth, quinine brush. Good grazing.</p>
2.00 40.00	<p>West on sectional correction line, bet. secs. 6 and 7. Over level land, through scattering undergrowth. Road, brs. NE. and SW. to Anvil Rock.</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap</p> $\begin{array}{r} \frac{1}{4} S 6 \\ \frac{1}{4} S 7 \\ \hline 1918 \end{array}$ <p>And raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.</p>
78.89	<p>Intersect W. bdy. of Tp., at the cor. of secs. 1, 6, 7 and 12, which is an iron post, properly set, marked and witnessed as described by the Surveyor-General.</p> <p>Land, level. Soil, rich, dark clay, covered with lava stones, 2nd rate. No timber. Undergrowth, quinine brush. Good grass.</p>
40.00 81.26	<p>From the cor. of secs. 5, 6, 7 and 8, N.0° 3' W., on a random line, bet. secs. 5 and 6. Set temp. $\frac{1}{4}$ sec. cor.</p> <p>Intersect N. bdy. of Tp., 21 lks. E. of the cor. of secs. 5, 6, 31 and 32, which is a volcanic stone, 6 X 12 X 6 ins. above ground, firmly set, marked and witnessed as described by the Surveyor-General.</p> <p>Thence S.0° 12' E., on a true line, bet. secs. 5 and 6. Over level land, through scattering undergrowth.</p>
41.26 75.65 81.26	<p>Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap</p> $\begin{array}{r} \frac{1}{4} \\ S 6 S 5 \\ \hline 1918 \end{array}$ <p>And raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.</p> <p>Old road, brs. NE. and SW. The cor. of secs. 5, 6, 7 and 8. Land, level.</p>

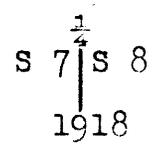
Subdivision of Fractional T. 19 N., R. 7 W. 35.

Chains.

Soil, rich, dark clay, covered with lava stones and gravel;
2nd rate.
No timber.
Undergrowth, quinine brush.
Good grass.

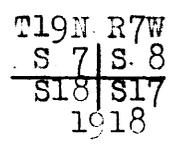
1.00
40.00

S.0° 3' E., bet. secs. 7 and 8.
Over level land, through scattering undergrowth.
Road, brs. E. and W.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap



80.00

And raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W.
of cor.
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
ground, for cor. of secs. 7, 8, 17 and 18, marked on
brass cap



And raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W.
of cor.
Land, level.
Soil, rich, dark loam, some gravel; 2nd rate.
No timber.
Undergrowth, quinine brush.
Good grass.

40.00
80.00

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

40.00

Thence
West on a true line, bet. secs. 8 and 17.
Over rolling land, through scattering undergrowth.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap



80.00

And raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N.
of cor.
The cor. of secs. 7, 8, 17 and 18.
Land, rolling.
Soil, dark, black loam, mixed with gravel, dry, 2nd rate.
No timber.
Undergrowth, quinine brush.

40.00
78.83

West on a random line, bet. secs. 7 and 18.
Set temp. $\frac{1}{4}$ sec. cor.
Intersect W. bdy. of Tp., 7 lks. S. of the cor. of secs.
7, 12, 13 and 18, which is an iron post, properly set,
marked and witnessed as described by the Surveyor-
General.

36. Subdivision of Fractional T. 19 N., R. 7 W.

Chains.

38.83 Thence
S.89° 57' E., on a true line, bet. secs. 7 and 18.
Over rolling land, through scattering undergrowth.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$ S 7
S18
1918

78.83 And raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N.
of cor.
The cor. of secs. 7, 8, 17 and 18.
Land, rolling.
Soil, dark, black loam, mixed with gravel and some lava
blocks; 2nd rate.
No timber.
Undergrowth, quinine brush.
Good grass.

40.00 S.0° 3' E., bet. secs. 17 and 18.
Over level land, through scattering undergrowth.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brasscap

$\frac{1}{4}$
S18 | S17
1918

45.00 And raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W.
of cor.
80.00 Wash, course W.
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
ground, for cor. of secs. 17 and 18 and fracl. secs.
19 and 20, marked on brass cap

T19N R7W
S18 | S17
S19 | S20
1918

And raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W.
of cor.
Land, level.
Soil, rich, dark loam, mexed with small lava gravel, 2nd
rate.
No timber.
Undergrowth, quinine brush.
Good grass.

40.00 East on a random line, bet. sec. 17 and fracl. sec. 20.
Set temp. $\frac{1}{4}$ sec. cor.
80.02 Intersect N. and S. line, 2 lks. S. of the cor. of secs.
16, 17, and fracl. secs. 20 and 21.
Thence
S.89° 59' W., on a true line, bet. sec. 17 and fracl. sec.
20.

40.01 Over level land, through scattering undergrowth.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$ S17
S20
1918

Subdivision of Fractional T. 19 N., R. 7 W.

Chains.

80.02 And raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor;
 The cor. of secs. 17 and 18 and fracl. secs. 19 and 20.
 Land, level.
 Soil, rich, dark clay, covered with broken lava, 2nd rate.
 No timber.
 Undergrowth, quinine brush.
 Good grass.

40.00 N.89° 57' W., on a random line, bet. sec. 18 and fracl.
 sec. 19.
 Set temp. ¼ sec. cor.
 78.85 Intersect W. bdy. of Tp., 7 lks. N. of the cor. of secs.
 17 and 18 and fracl. secs. 19 and 24, which is an iron
 post, properly set, marked and witnessed as described
 by the Surveyor-General.

Thence
 East on a true line, bet. sec. 18 and fracl. sec. 19.
 Over level land, through scattering undergrowth.
 38.85 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for ¼ sec. cor., marked on brass cap

¼ S18
 ¼ S19
 1918

78.85 And raise a mound of stone, 2 ft. base, 1½ ft. high, N.
 of cor.
 The cor. of secs. 17 and 18 and fracl. secs. 19 and 20.
 Land, level.
 Soil, rich, dark clay, covered with gravel and lava blocks;
 2nd rate.
 No timber.
 Undergrowth, quinine brush.
 Good grass.

12.57 S.0° 3' E., bet. fracl. secs. 19 and 20.
 Over level land, through scattering undergrowth.
 Intersect North Boundary of Luis Maria Baca Float No. 5,
 4.37 chs. N.89° 46' W. of the 14 mile cor., which is a
 post in a mound of stone, firmly set, marked and witnessed
 as described by the Surveyor-General.
 At the point of intersection, set an iron post, 3 ft. long,
 3 ins. diam., 24 ins. in the ground, for closing cor.
 of fracl. secs. 19 and 20, marked on brass cap

T19N R7W
 S19 | S20
 C | C

No. 5
 1918

And raise a mound of stone, 2 ft. base, 1½ ft. high, N.
 of cor.
 Land, level.
 Soil, rich, black clayey loam, covered with gravel; 2nd rate.
 No timber.
 Undergrowth, quinine brush.
 Good grass.

General Description.

The eastern part of this fractional township is rolling and broken land, covered with a heavy growth of pine, cedar and juniper timber, and scrub oak, mesquite and algerita undergrowth. The soil consists of adobe, clay and cemented gravel, on limestone subsoil, with a covering of lava stones. It varies from 2nd to 4th rate.

The western half is mostly level and gently rolling land, timberless, and covered with a scattering growth of brush. The soil varies from 1st to 3rd rate.

Jones Bishop has a house, well and spring in the south-east quarter of sec. 15, and a reservoir, barn and garage in the northwest quarter of sec. 14.

There are Indian ruins south of the center of sec. 11, and along many of the washes.

Date Diagram
of
FRACTIONAL TOWNSHIP 19 NORTH, RANGE 7 WEST.

BOOK 8872

	Retraced	Resurveyed	Retraced	Retraced	
	2/6-18	2/6-18	2/5-18	2/5-18	2/9-18
	6	5	4	3	2
	2/16-18	2/15-18	2/15-18	2/12-18	2/11-18
	7	8	9	10	11
	2/25-18	2/25-18	2/21-18	2/20-18	2/18-18
	18	17	16	15	14
	2/25-18	2/25-18	2/28-18	2/28-18	2/16-18
	19	20	21	22	23
	2/23-18	2/23-18	2/23-18	2/21-18	2/18-18
	Retraced				
	LUIS MARIA BACA FLOAT No. 5.				
					25
					36
					3/23-18

Lines in green were run on the dates shown above, by
Thomas W. Bates, U. S. Transitman.
Lines in red were run on the dates shown above, by
David W. Eaton, U. S. Transitman.

CERTIFICATE OF UNITED STATES ~~SURVEYOR~~ ^{TRANSITMEN}

We, *Thomas W. Bates and David W. Eaton*, U. S. ~~Surveyor~~ ^{Transitmen}, hereby certify upon honor that, in pursuance

of special instructions received from the U. S. Surveyor General, for *Group N° 86 Arizona*

bearing date of the *18th* day of *January*, 1918, ~~we~~ ^{we} have well, faithfully, and truly

in ~~our~~ ^{our} own proper persons and in strict conformity with said instructions, the Manual of Surveying Instruc-

tions, and the laws of the United States, surveyed all those parts or portions of *the Subdivision*

lines and East bdy. of Fracil T. 19 N., R. 7 W., Retraced all those parts

or portions of the North bdy. of Fracil. T. 19 N., R. 7 W., and the North and

East bdrs. of the Luis Maria Baca Float N° 5, and Resurveyed all those

parts or portions of the North bdy. of Fracil T. 19 N., R. 7 W.

of the *Gila and Salt*

River Base and Meridian, in the State of *Arizona*, which are represented in

the foregoing field notes ^{and diagram on the reverse hereof} as having been executed by ~~us~~ ^{us}, and under ~~our~~ ^{our} direction; and that all the corners of

said survey, ^{retracement and resurvey} have been established and perpetuated in strict accordance with the Manual of Surveying Instruc-

tions, and the special written instructions of the U. S. Surveyor General, for *Group 86, Arizona*

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

such survey, *retracement and resurvey.*

Thos. W. Bates

U. S. Transitman.

David W. Eaton

U. S. ~~Surveyor~~ ^{Transitman.}

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, May 7, 1918

The foregoing field notes of the ~~survey of~~ *retracement and resurvey of the North*

bdy. of Fracil T. 19 N.; R. 7 W., Retracement of part of the North and East

bdrs. of the Luis Maria Baca Float N° 5, and Survey of the East bdy. and

Subdivision lines of Fracil T. 19 N.; R. 7 W. of the Gila and Salt River

Base and Meridian, in the State of Arizona

executed by Thomas W. Bates and David W. Eaton, U. S. Transitmen

on the dates shown on diagram on the reverse hereof

~~executed by~~

under ~~his~~ special instructions dated *January 18, 1918 for Group 86 Arizona*, having been

critically examined, and the necessary corrections and explanations made, the said field notes, and the ~~surveys~~ ^{retracements, resurveys and surveys} they describe, are hereby approved.

Frank O. Frost

U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above described surveys in

has been correctly copied from the original notes on file in this office.