

JAN 17 1918

(1)

BOOK 3069

FIELD NOTES

RE-
OF THE SURVEY OF THE

East boundary,

and SURVEY of

North and West boundaries, and

Subdivision lines of

TOWNSHIP 31 NORTH, RANGE 5 WEST,

and

Fracl. North boundary, and

Fracl. Subdivision lines of

TOWNSHIP 31 NORTH, RANGE 6 WEST,

and

Retracement of a Portion of the East Boundary of the

HUALPAI INDIAN RESERVATION

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

W. H. Thorn, U. S. Surveyor,

and

Heber P. Purington, U. S. Transitman,

~~In the capacity of U. S. Surveyor~~, under instructions dated March 4, 1915,
issued by the United States Surveyor General to govern surveys included in
Group No. 53, which were approved by the Commissioner of the General Land
Office, December 14, 1915.

Resurvey & Survey commenced March 21, 1917.

Resurvey & Survey completed March 31, 1917.

Executed under Assignment
Instructions dated September 28, 1916 and December 18, 1916.

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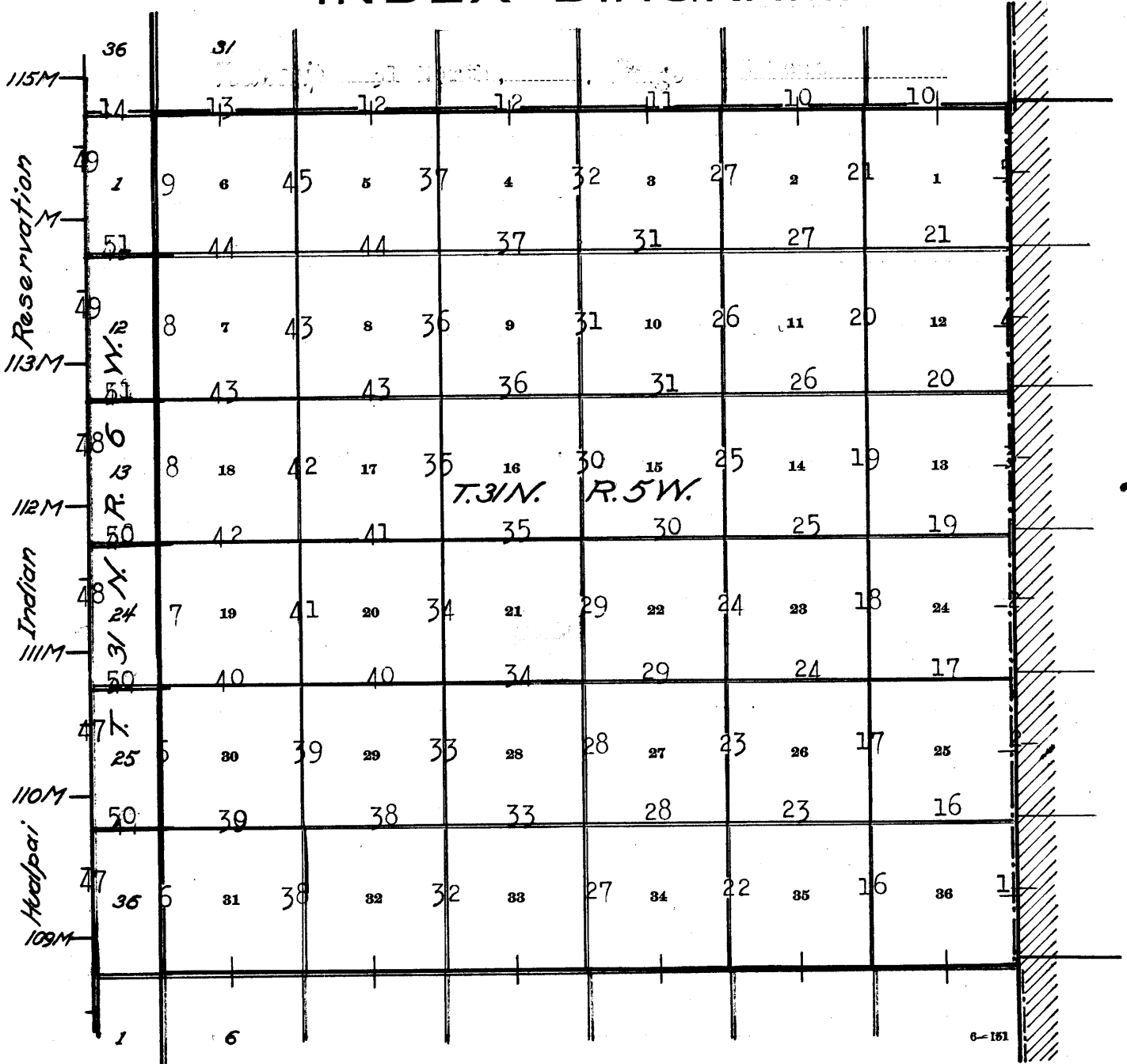
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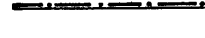
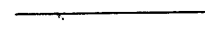
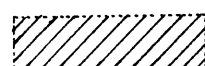
Book "I"

Group 53 - - - Arizona.

BOOK 3069

INDEX DIAGRAM.



-  Lines retraced under this Group. Notes in this Book.
-  Lines surveyed under this Group. Notes in this Book.
-  Lines resurveyed under this Group. Notes in this Book.
-  Lines surveyed under this Group. Notes in Book "H".
-  Lines retraced under this Group. Notes in Book "H".
-  Lines resurveyed under this Group. Notes in Book "H".
-  Lines surveyed under this Group. Notes in Book "J".
-  Lines resurveyed under this Group. Notes in Book "J".
-  Accepted surveys.
-  Area subdivided as per accepted plats on file.

Retracement of a Portion of the Hualpai Indian Reservation Boundary.

Resurvey of E. Bdy. of T. 31 N., R. 5 W.
Survey of N. and W. Bdrs. of T. 31 N., R. 5 W.
Frac'l. N. Bdy. of T. 31 N., R. 6 W.
Subdivision of T. 31 N., R. 5 W.
Frac'l. Subdivision of T. 31 N., R. 6 W.

BOOK 3069

1B

Chains.

Survey executed by W. H. Thorn, U. S. Surveyor, using a Young and Sons light mountain transit No. 8592, with Smith solar attachment, and Heber P. Purington, U. S. Transitman, using a Young and Sons light mountain transit N. 8533, with Smith solar attachment.

For complete description of transits and solar attachments together with a record of approval, see beginning of notes in books "A" and "G".

Examination of the adjustments of the transits was made and level and collimation errors corrected. From recent and repeated tests of the solar attachments on a meridian established by observations on Polaris, they are known to be in satisfactory adjustment. For a record of tests see beginning of notes in books "A" and "G".

During the surveys, frequent tests were made to insure the accuracy of the solar attachments.

Clinometers and five-chain steel tapes were the instruments employed in determining all distances.

Resurvey of E. bdy. of T. 31 N., R. 5 W.

From the cor. of Ts. 30 and 31 N., R. 5 W., described in book "H",

N.0°3'W., on E. bdy. of sec. 36.

Over gently rolling land, through scattering timber and undergrowth.

1.18 The original cor. of Ts. 30 and 31 N., Rs. 4 and 5 W., which is a limestone, properly set, marked and witnessed as described by the Surveyor-General. I destroy NW. bearing tree; SW. bearing tree used as a witness to the cor. of Ts. 30 and 31 N., R. 5 W., described in Book "H". This cor. will hereafter refer to Ts. 30 and 31 N., R. 4 W. only.

Thence continue measurement

N.0°3'E.

16.20 Asc. gradual SE. slope, 57 ft. to Top of slope, brs. N.40°E. and S.40°W.

40.00 Desc. gradual NW. slope, 44 ft. to

Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, in a mound of stone, for 1/4 sec. cor., marked on brass cap

1/4
S36
1917

and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

41.25 The 1/4 sec. cor. of sec. 31, T. 31 N., R. 4 W., which is a limestone, properly set, marked and witnessed as described by the Surveyor-General. I obliterate the markings on W. face and mark 1/4 S31 on E. face of stone.

Thence continue measurement

N.0°4'E.

59.25 Draw, 13 chs. wide, course N.40°E.

70.85 Road, brs. N.40°E. to Supai Indian Village and S.40°W. to National Tanks and Pine Springs.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 2 6 ins. in a mound of stone, for cor. of secs. 25 and 36, marked on brass cap

2.

Resurvey of E. Bdy. of T. 31 N., R. 5 W.

Chains.

| |
|------|
| T31N |
| S25 |
| S36 |
| R5W |
| 1917 |

from which
 A cedar, 8 ins. diam., brs. S.84°W.,
 372 lks. dist., marked T31N R5W S36 BT.
 No other trees within limits.
 Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
 Land, gently rolling.
 Soil, sandy loam, 2nd rate.
 Timber, scattering cedar.
 Undergrowth, sagebrush.

1.41 N.0°4'E., on E. bdy. of sec. 25.
 Over gently rolling land, through scattering timber and
 undergrowth.
 The original cor. of secs. 25, 30, 31 and 36, which is a
 limestone, properly set, marked and witnessed as
 described by the Surveyor-General. I raise a mound of
 stone, E. of cor., making cor. common to secs. 30 and
 31, T. 30 N., R. 4 W.
 Thence continue measurement,
 N.0°8'E.
 Asc. gradual SE. slope.
 30.40 Draw, course S.70°E.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the
 ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on
 brass cap

| |
|------|
| S25 |
| 1917 |

41.49 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W
 of post.
 The original $\frac{1}{4}$ sec. cor., which is a limestone, properly
 set, marked and witnessed as described by the Surveyor-
 General. I build a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft.
 high, E. of cor., making it the $\frac{1}{4}$ sec. cor. of sec. 30,
 T. 31 N., R. 4 W. I obliterate markings on W. face and
 mark $\frac{1}{4}$ S30 on E. face of stone.
 N.0°3'E., continuing measurement
 74.50 Draw, 2 chs. wide, course N.40°E.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 24, and 25, marked on brass
 cap

| |
|------|
| T31N |
| S24 |
| S25 |
| R5W |
| 1917 |

dig pits, 24 X 24 X 12 ins., in each sec., 6 ft. dist.
 Land, gently rolling.
 Soil, sandy loam, 2nd rate.
 Timber, scattering cedar.
 Undergrowth, algerita and sagebrush.

1.59 N.0°3'E., along E. bdy. of sec. 24.
 Over gently rolling land, through scattering timber and
 undergrowth.
 The original cor. of secs. 19, 24, 25 and 30, which is a
 limestone, properly set, marked and witnessed as

Resurvey of E. Bdy. of T. 31 N., R. 5 W.

3.

Chains.

described by the Surveyor-General. This cor. will hereafter refer to secs. 19 and 30 only.

N.0°7'W., continuing measurement.

Asc. gradual SE. slope.

16.60 Top of slope. Desc. gradual slope.

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

$\frac{1}{4}$
S24 |
1917

dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.

41.67 The original $\frac{1}{4}$ sec. cor., which is a limestone, properly set, marked and witnessed as described by the Surveyor-General. I obliterate the markings on W. face and mark $\frac{1}{4}$ S19 on E. face of stone.

Thence continue measurement

N.0°10'W.

49.70 Desc. gradual NW. slope.

65.70 Enter draw, 11 chs. wide, course N.40°E.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 13 and 24, marked on brass cap

T31N |
S13 |
S24 |
R5W |
1917

and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, gently rolling.

Soil, sandy loam, 2nd rate.

Timber, scattering cedar.

Undergrowth, algerita and sagebrush.

N.0°10'W., on E. bdy. of sec. 13.

Over gently rolling land, through scattering timber and undergrowth.

1.79 The original cor. of secs. 13, 18, 19 and 24, which is a limestone, properly set, marked and witnessed as described by the Surveyor-General. This cor. will hereafter refer to secs. 18 and 19 only.

Thence continue measurement

N.0°3'W.

Asc. gradual SE. slope.

11.80 Low ridge, brs. N.70°E. and S.70°W.

Desc. gradual slope.

19.10 Center of draw, 150 lks. wide, course N.70°E.

26.80 Low ridge, brs. E. and W.

30.80 Draw, 1 ch. wide, course E.

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

$\frac{1}{4}$
S13 |
1917

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

41.79 The original $\frac{1}{4}$ sec. cor., which is a limestone, properly set, marked and witnessed as described by the Surveyor-General. I obliterate markings on W. face and mark $\frac{1}{4}$ S18 on E. face of stone.

Thence continue measurement.

N.0°9'W.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the

4. Resurvey of E. Bdy. of T. 31 N. R. 5 W.

Chains.

ground, for cor. of secs. 12 and 13, marked on brass cap

| |
|------|
| T31N |
| S12 |
| S13 |
| R5W |

1917

from which

A cedar, 10 ins. diam., brs. S.32 $\frac{1}{2}$ °W.,
151 lks. dist., marked T31N R5W S13 BT.

No other trees within limits. Dig pits, 24 X 24 X 12 ins.,
in each sec., 6 ft. dist.

Land, gently rolling.
Soil, sandy loam, 2nd rate.
Timber, very scattering cedar.
Undergrowth, algerita and sagebrush.

N.0°9'W., on E. bdy. of sec. 12.

Over gently rolling land, through scattering timber and
undergrowth.

.30 Draw, 150 lks. wide, course N.60°E.

1.90 The original cor. of secs. 7, 12, 13 and 18, which is a
limestone, properly set, marked and witnessed as de-
scribed by the Surveyor-General. This cor. will here-
after refer to secs. 7 and 18 only.

Thence continue measurement
N.0°3'W.

16.90 Ridge, brs. N.65°E. and S.80°W. Desc. N. slope.

37.50 Gulch, course E.

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

| |
|-----|
| S12 |
|-----|

1917

from which

A cedar, 5 ins. diam., brs. S.85°W.
241 lks. dist., marked $\frac{1}{4}$ S12 BT.

A cedar, 6 ins. diam., brs. N.76°W.,
256 lks. dist., marked $\frac{1}{4}$ S12 BT.

41.93 The original $\frac{1}{4}$ sec. cor., which is a limestone, properly
set, marked and witnessed as described by the Surveyor-
General. I obliterate the markings on W. face and mark
 $\frac{1}{4}$ S7 on E. face.

Thence continue measurement N.0°10'W.

Desc. gradual NE. slope.

46.93 Draw, course S.70°E.

47.20 Road, brs. N.70°W. to Supai Indian Village and S.70°E.

Asc. gradual SW. slope.

73.00 Gulch, course N.60°E.

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

| |
|------|
| T31N |
| S1 |
| S12 |
| R5W |

1917

from which

A cedar, 8 ins. diam., brs. S.15°W.,
194 lks. dist., marked T31N R5W S12 BT.

A cedar, 8 ins. diam., brs. N.31°W.,
84 lks. dist., marked T31N R5W S1 BT.

Land, gently rolling. Soil, sandy loam, 2nd rate.
Timber, scattering cedar. Undergrowth, algerita and sage.

Chains

- N. 0° 10' W. on E. bdy. of sec. 1.
 Over gently rolling land, through scattering timber and undergrowth.
- 1.95 The original cor. of secs. 1, 6, 7 and 12, which is a limestone, properly set, mkd. and witnessed as described by the Surveyor General.
 Thence continue measurement
 N. 0° 3' W.
- 8.15 Gulch, course E. Asc. gradual slope.
- 18.05 Spur slopes E. Desc. gradual slope.
- 24.05 Gulch, course S. 70° E.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$\frac{1}{4}$
 S 1
 1917

from which,

- . A cedar, 6 ins. diam., brs. S. 58° 30' W.
 7 lks. dist. mkd. $\frac{1}{4}$ S 1 B T.
- . A cedar, 6 ins. diam., brs. N. 60° W.
 80 lks. dist. mkd. $\frac{1}{4}$ S 1 B T.

- 41.72 The original $\frac{1}{4}$ sec. cor., which is a limestone, properly set, mkd. and witnessed as described by the Surveyor General. I obliterate markings on W. face and mark ~~the~~ $\frac{1}{8}$ on E. face of stone.
 Thence continue measurement
 N. 0° 4' W., continuing measurement.
 Asc. gradual slope.
- 43.70 Low ridge brs. W. and N. 80° E. Desc. gradual slope.
- 67.00 Gulch, course N. 70° E. Asc. gradual slope.
- 75.20 Spur, slopes S. 60° E. Desc. gradual slope.
- 80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of Ts. 31 and 32 N., R. 5 W., mkd. on brass cap

T32N
 R 5W
 S36
 S 1
 T31N
 1917

from which,

- . A cedar, 4 ins. diam., brs. S. 24° W.
 30 lks. dist. mkd. T 31 N R 5 W S 1 B T.
- . A cedar, 8 ins. diam., brs. N. 85° W.
 43 lks. dist. mkd. T 32 N R 5 W S 36 B T.

Land, gently rolling.
 Soil, 2nd rate.
 Timber, scattering cedar..
 Undergrowth, algerita and sagebrush.

6 West half of T. 31 N. R. 5 W.

Chains

From the cor. of Ts. 30 and 31 N., Rs. 5 and 6 W, de-
scribed in book "H",
North bet. secs. 31 and 36.
Over gently rolling land, through scattering cedar and
undergrowth.

38.60
40.00

Along gradual E. slope.
Draw, course SE.
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., mkd.
on brass cap

$\frac{1}{4}$
S36 | S31
1917

from which, mound of stone, 3 ft. base, 1 $\frac{1}{2}$ ft. high,
W. of A cedar, 10 ins. diam., brs. S. 80° W.
61 lks. dist. mkd. $\frac{1}{4}$ S 36 B T.

No other trees within limits.
Raise a mound of stone, 3 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
Change to W. slope of draw.

50.00
80.00

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
ground, for cor. of secs. 25, 30, 31 and 36, mkd. on
brass cap

T31N
R 6W R 5W
S25 | S30
S36 | S31
1917

from which,
A cedar, 8 ins. diam., brs. N. 41 $\frac{1}{2}$ ° E.
418 lks. dist. mkd. T 31 N R 5 W S 30 B T.
A cedar, 14 ins. diam., brs. S. 51° E.
156 lks. dist. mkd. T 31 N R 5 W S 31 B T.

No other trees within limits.
Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
Land, gently rolling.
Soil, sandy clay, limestone formation, 2nd rate.
Timber, scattering cedar.
Undergrowth, algerita and sagebrush.
Grass.

North bet. secs. 25 and 30.
Over gently rolling land, through scattering timber and
undergrowth.

40.00

Along gradual W. slope.
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., mkd. on
brass cap

$\frac{1}{4}$
S25 | S30
1917

from which,
A cedar, 8 ins. diam., brs. N. 68° E.
261 lks. dist. mkd. $\frac{1}{4}$ S 30 B T.
A cedar, 10 ins. diam., brs. N. 30° W.
184 lks. dist. mkd. $\frac{1}{4}$ S 25 B T.

70.00
80.00

Desc. gradual N. slope.
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
ground, for cor. of secs. 19, 24, 25 and 30, mkd. on
brass cap

Chains

T31N
R 6W R 5W
S24 | S19
S25 | S30
1917

from which,
A cedar, 10 ins. diam., brs. N. 61½° E.
151 lks. dist. mkd. T 31 N R 5 W S 19 B T.
A cedar, 8 ins. diam., brs. S. 86° E.
249 lks. dist. mkd. T 31 N R 5 W S 30 B T.
A cedar, 6 ins. diam., brs. S. 8½° W.
67 lks. dist. mkd. T 31 N R 6 W S 25 B T.
A cedar, 10 ins. diam., brs. N. 71° W.
292 lks. dist. mkd. T 31 N R 6 W S 24 B T.

Land, gently rolling.
Soil, sandy clay, stony limestone, formation, 2nd rate.
Timber, scattering cedar.
Undergrowth, sagebrush and algerita.
Grass.

North bet. secs. 19 and 24.
Over gently rolling land, through scattering timber and undergrowth.

9.00 Desc. gradual N. slope.
25.00 Enter basin through center.
33.00 Leave basin. Asc. gradual slope.
40.00 Top of ascent. Thence over gradual W. slope.
Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, in a mound of stone, for ¼ sec. cor., mkd. on brass cap

↑
S24 | S19
1917

from which,
A cedar, 16 ins. diam., brs. S. 37° E.
87 lks. dist. mkd. ¼ S 19 B T.
A cedar, 12 ins. diam., brs. S. 21½° W.
59 lks. dist. mkd. ¼ S 24 B T.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, in a mound of stone, for cor. of secs. 13, 18, 19 and 24, mkd. on brass cap

T31N
R 6W R 5W
S13 | S18
S24 | S19
1917

from which,
A cedar, 6 ins. diam., brs. N. 84½° E.
290 lks. dist. mkd. T 31 N R 5 W S 18 B T.
A cedar, 8 ins. diam., brs. S. 82½° E.
136 lks. dist. mkd. T 31 N R 5 W S 19 B T.
A cedar, 4 ins. diam., brs. S. 63° W.
137 lks. dist. mkd. T 31 N R 6 W S 24 B T.
A cedar, 12 ins. diam., brs. N. 6½° W.
159 lks. dist. mkd. T 31 N R 6 W S 13 B T.

Land, gently rolling.
Soil, sandy clay, stony limestone, formation, 2nd rate.
Timber, cedar and pinion.
Undergrowth, algerita and sagebrush.
Grass.

8

West bdy. of T. 31 N., R. 5 W.

Chains

North bet. secs. 13 and 18.
Over nearly level land, through scattering timber and undergrowth.
Along very gradual W. slope.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$\frac{1}{4}$
 S13 | S18
 1917

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of secs. 7, 12, 13 and 18, mkd. on brass cap

T31N
 R 6W R 5W
 S12 | S 7
 S13 | S18
 1917

from which,

A cedar, 5 ins. diam., brs. S. 42 $\frac{1}{2}$ ° E.
402 lks. dist. mkd. T 31 N R 5 W S 18 B T.
A cedar, 6 ins. diam., brs. N. 35 $\frac{1}{2}$ ° W.
540 lks. dist. mkd. T 31 N R 6 W S 12 B T.

No other trees within limits.
Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
Land, nearly level.
Soil, sandy clay, limestone formation, 2nd rate.
Timber, very scattering cedar.
Undergrowth, sagebrush and algerita.
Grass.

North bet. secs. 7 and 12.
Over nearly level land, through scattering timber and undergrowth.
26.00 Enter E. end of basin, 15 chs. long, E. and W., 6 chs. wide.

31.00 Leave basin.

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

$\frac{1}{4}$
 S12 | S 7
 1917

from which,

A cedar, 6 ins. diam., brs. N. 82° E.
260 lks. dist. mkd. $\frac{1}{4}$ S 7 B T.
A cedar, 4 ins. diam., brs. S. 2 $\frac{1}{4}$ ° W.
128 lks. dist. mkd. $\frac{1}{4}$ S 12 B T.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 1, 6, 7 and 12, mkd. on brass cap

T31N
 R 6W R 5W
 S 1 | S 6
 S12 | S 7
 1917

from which,

A cedar, 8 ins. diam., brs. N. 77 $\frac{1}{2}$ ° E.
138 lks. dist. mkd. T 31 N R 5 W S 6 B T.
A cedar, 6 ins. diam., brs. S. 68° E.
167 lks. dist. mkd. T 31 N R 5 W S 7 B T.

West Boundary of T. 31 N., R. 5 W.

9.

Chains.

A cedar, 5 ins. diam., brs. S.85°W.,
 277 lks. dist., marked T31N R6W S12 BT.
 A cedar, 5 ins. diam., brs. N.25°W.,
 118 lks. dist., marked T31N R6W S1 BT.
 Land, nearly level.
 Soil, sandy clay, limestone formation, 2nd rate.
 Timber, scattering cedar.
 Undergrowth, algerita and sagebrush.
 Grass.

40.00 North bet. secs. 1 and 6.
 Over nearly level land, through scattering timber and under-
 growth.
 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 1 | S 6
 1917

80.00 from which
 A pinion, 6 ins. diam., brs. S.44°E.,
 39 lks. dist., marked S6 BT.
 A cedar, 14 ins. diam., brs. S.34°W.,
 38 lks. dist., marked $\frac{1}{4}$ S1 BT.
 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the
 ground, for cor. of Ts. 31 and 32 N., Rs. 5 and 6 W.,
 marked on brass cap

T32N
 R6W | R5W
 S36 | S31
 S 1 | S 6
 T31N
 1917

from which
 A cedar, 10 ins. diam., brs. N.69 $\frac{1}{2}$ °E.,
 480 lks. dist., marked T32N R5W S31 BT.
 A cedar, 16 ins. diam., brs. S.55 $\frac{1}{2}$ °E.,
 626 lks. dist., marked T31N R5W S6 BT.
 A cedar, 5 ins. diam., brs. S.59°W.,
 121 lks. dist., marked T31N R6W S1 BT.
 No other trees within limits.
 Raise a mound of stone, 3 ft. base, 2 ft. high, S. of cor.
 Land, nearly level to 40 chs.; remainder gently rolling.
 Soil, sandy clay, gravelly, stony, quartz and limestone
 formations, 2nd rate.
 Timber, scattering cedar and pinion.
 Undergrowth, algerita and sagebrush.

10

North bdy. of T. 31 N., R. 5 W.

Chains.

From the cor. of Ts. 31 and 32 N., R. 5 W., hereinbefore described,
 S.89°50'W., on a random line, along N. bdy. of Tp., setting
 temp. $\frac{1}{4}$ sec. and sec. cors. at intervals of 40.00 chs.;
 and at 477.56 chs., intersect W. bdy. of Tp., 2 lks.
 S. of the cor. of Ts. 31 and 32 N., Rs. 5 and 6 W.,
 hereinbefore described. I return to the cor. of Ts. 31
 and 32 N., R. 5 W.

Thence

S.89°50'W., on a true line, bet. secs. 1 and 36.
 Over rolling land, through scattering timber and under-
 growth.

5.00 Asc. NE. slope, 55 ft., to
 11.85 Spur, slopes SE. Desc. 52 ft. to
 24.90 Asc. 115 ft. to
 36.50 Desc. gradual slope to
 40.00 Draw, course N., Asc. gradual slope to
 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

$\frac{1}{4}$ S36
 S1
 1917

from which

A cedar, 10 ins. diam., brs. N.47°E.,
 261 lks. dist., marked $\frac{1}{4}$ S36 BT.
 A cedar, 8 ins. diam., brs. S.42°W.,
 131 lks. dist., marked $\frac{1}{4}$ S1 BT.

46.00 Asc. 57 ft. to
 Ridge, brs. N. and S. Desc. 23 ft. to
 53.00 Asc. 27 ft. to
 55.30 Spur, slopes NW. Desc. 39 ft. to
 62.50 Draw, course N. Asc. gradual slope.
 77.30 Road, brs. N. to Bishop's tank and Supai Indian Village
 and S.
 77.40 Draw, course N.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the
 ground, in a mound of stone, for cor. of secs. 1, 2,
 35 and 36, marked on brass cap

T32N R5W
 S35 | S36
 S2 | S1
 T31N
 1917

from which

A cedar, 4 ins. diam., brs. N.63 $\frac{1}{2}$ °E.,
 248 lks. dist., marked T32N R5W S36 BT.
 A cedar, 4 ins. diam., brs. S.33 $\frac{1}{2}$ °E.,
 40 lks. dist., marked T31N R5W S1 BT.
 A cedar, 6 ins. diam., brs. S.84 $\frac{1}{2}$ °W.,
 56 lks. dist., marked T31N R5W S2 BT.
 A cedar, 6 ins. diam., brs. N.85 $\frac{1}{2}$ °W.,
 148 lks. dist., marked T32N R5W S35 BT.

Land, rolling.

Soil, sandy clay, stony and rocky, limestone formation,
3rd rate.

Timber, cedar.

Undergrowth, algerita and sagebrush.

Grass.

S.89°50'W., on a true line, bet. secs. 2 and 35.
 Over rolling land, through scattering timber and under-
 growth.

2.00 Asc. 18 ft.,
 End of spur, slopes NE. Desc. to
 8.20 Center of draw, course NE. Asc. 93 ft. to
 34.10 Ridge, brs. N.30°E. and S.30°W. Desc. gradual slope.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the
 ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on

Chains

brass cap

1/4 S 35
S 2
1917

from which,

- A cedar, 6 ins. diam., brs. N. 64° E.
104 lks. dist. mkd. 1/4 S 35 B T.
- A cedar, 5 ins. diam., brs. S. 23° E.
47 lks. dist. mkd. 1/4 S 2 B T.

44.00
59.00
70.00
80.00

Draw, course N. 20° E.
Head of draw, course N. Asc. gradual slope to
Top of slope brs. S. 30° E. and N. 30° W. and S. 60° W.
Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the
ground, in a mound of stone, for cor. of secs. 2, 3,
34 and 35, mkd. on brass cap

T32N R 5W
S34|S35
S 3 S 2
T31N
1917

from which,

- A cedar, 14 ins. diam., brs. S. 67 1/2° E.
293 lks. dist. mkd. T 31 N R 5 W S 2 B T.
- A cedar, 6 ins. diam., brs. N. 78 1/2° W.
489 lks. dist. mkd. T 32 N R 5 W S 34 B T.

No other trees within limits.
Raise a mound of stone, 3 ft. base, 1 1/2 ft. high, W. of cor.
Land, rolling.
Soil, sandy clay, stony, sandstone and limestone formation
3rd rate.
Timber, scattering cedar and pinion.
Undergrowth, algerita and sagebrush.
Grass.

S. 89° 50' W. bet. secs. 3 and 34.
Over rolling land, through scattering timber and under-
growth.

24.00
36.90
40.00

Draw, near head, course N. 40° W.
Draw, near head course N. 10° W.
Set an iron post, 3ft. long, 1 in. diam., 18 ins. in the
ground, in a mound of stone, for 1/4 sec. cor., mkd. on
brass cap

1/4 S 34
S 3
1917

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

Asc. gradual slope.
Top of ascent brs. N. and S. Desc. gradual rolling slope.
Draw, course N. and NE.
Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in
the ground, for cor. of secs. 3, 4, 33 and 34, mkd.
on brass cap

54.80
74.50
80.00

T32N R 5W
S33|S34
S 4 S 3
T31N
1917

from which,

12

North hdy. of T. 31 N. R. 5 W.

Chains

A cedar, 16 ins. diam., brs. N. $36\frac{1}{2}^{\circ}$ E.
 811 lks. dist. mkd. T 32 N R 5 W S 34 B T.
 No other trees within limits.
 Dig pits, 18 X 18 X 12 ins., in each sec., $5\frac{1}{2}$ ft. dist.
 Land, rolling.
 Soil, sandy clay, gravelly and stony, limestone and quartz
 formation, 3rd rate.
 Timber, scattering cedar.
 Undergrowth, algerita and sagebrush.
 Grass.

S. $89^{\circ} 50'$ W. bet. secs. 4 and 33.
 Over rolling land, through scattering timber and under-
 growth.

28.00 Asc. gradual E. slope, 91 ft. to
 40.00 Top of ascent brs. N. and S. Desc. W. slope, 59 ft. to
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$\frac{1}{4}$ S 33
 S 4
 1917

from which,

A cedar, 6 ins. diam., brs. N. 30° W.
 280 lks. dist. mkd. $\frac{1}{4}$ S 33 B T.

No other trees within limits.
 Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3ft. dist.
 46.40 Draw, course N. 30° W. Asc. gradual slope, 28 ft. to
 53.80 Spur slopes N. Desc. gradual slope to
 60.00 Draw, course N. 20° E. Asc. gradual slope to
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the
 ground, in a mound of stone, for cor. of secs. 4, 5,
 32 and 33, mkd. on brass cap

T32N R 5W
 S32 | S33
 S 5 | S 4
 T31N
 1917

and raise a mound of stone, 3 ft. base, 2 ft. high,
 W. of cor.

Land, rolling.
 Soil, sandy clay, and stony, limestone and quartz form-
 ation, 3rd rate.
 Timber, scattering cedar.
 Undergrowth, algerita and sagebrush.
 Grass.

S. $89^{\circ} 50'$ W. bet. secs. 5 and 32.
 Over rolling land, through scattering timber and under-
 growth.

19.30 Head of draw, course N. 20° W.
 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., mkd. on
 brass cap

$\frac{1}{4}$ S 32
 S 5
 1917

and

North Bdy. of T. 31 N., R. 5 W.

13.

Chains.

from which

A cedar, 10 ins. diam., brs. S.77 $\frac{1}{2}$ °W.,
39 lks. dist., marked $\frac{1}{4}$ S5 BT.

No other trees within limits.

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

57.10 Draw, course N.10°W.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the
ground, in a mound of stone for cor. of secs. 5, 6,
31 and 32, marked on brass cap

| | |
|------|-----|
| T32N | R5W |
| S31 | S32 |
| S 6 | S 5 |
| T31N | |
| 1917 | |

from which

A cedar, 10 ins. diam., brs. N.30°E.,
345 lks. dist., marked T32 N.R5W S32 BT.

No other trees within limits.

Raise a mound of stone, 3 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
Land, gently rolling.Soil, sandy clay, stony quartz and limestone formation,
3rd rate.

Timber, very scattering cedar.

Undergrowth, algerita and sagebrush.

Grass.

S.89°50'W., on a true line, bet. secs. 6 and 31.

Over rolling land, through very scattering timber and
undergrowth.

29.50 Draw, course N.20°E.

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

| | |
|-------------------|--|
| $\frac{1}{4}$ S31 | |
| S 6 | |
| 1917 | |

from which

A cedar, 16 ins. diam., brs. N.38 $\frac{1}{2}$ °E.,
134 lks. dist., marked $\frac{1}{4}$ S31 BT.

A cedar, 5 ins. diam., brs. S.64 $\frac{1}{2}$ °E.,
480 lks. dist., marked $\frac{1}{4}$ S6 BT.

Thence over gently rolling land.

77.56 The cor. of Ts. 31 and 32 N., Rs. 5 and 6 W., hereinbefore
described.

Land, rolling and gently rolling.

Soil, sandy clay, stony and rocky, limestone formation,
3rd rate.

Timber, scattering cedar.

Undergrowth, algerita and sagebrush.

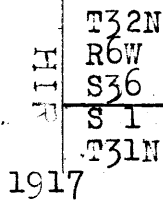
Grass.

14. Frac'l. North Boundary of T. 31 N., R. 6 W.

Chains.

13.70
34.57

From the cor. of Ts. 31 and 32 N., Rs. 5 and 6 W., herein-
 before described,
 West on N. bdy. of sec. 1.
 Over gently rolling land, through scattering timber and
 undergrowth.
 Draw, near head, course N.
 Intersect Hualpai Indian Reservation, E. bdy., 22.06 chs.
 S.0°4'E. of the 115 M. cor., which is a limestone,
 hereinafter 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 Ts. 31
 and 32 N., R. 6 W., marked on brass cap



from which

A cedar, 6 ins. diam., brs. S.22 $\frac{1}{4}$ °E.,
 344 lks. dist., marked T31N R6W 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, gently rolling.

Soil sandy clay, stony, quartz and limestone formation,
 3rd rate.

Timber, scattering cedar.

Undergrowth, algerita and sagebrush.

Grass.

Chains

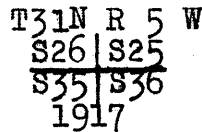
From the cor. of secs. 1, 2, 35 and 36, S. bdy. of Tp., described, in book "H", N. 0° 1' W. bet. secs. 35 and 36. Over gently rolling land, through scattering timber and undergrowth.

- 15.00 Asc. gradual SE. slope.
- 25.00 Top of slope, Desc. NE. slope.
- 27.60 Draw, course NE. Asc. gradual slope.
- 37.50 Top of spur ridge brs. E. and W. Desc. gradual slope.
- 40.00 Road to Supai brs. NE. and SW. to National Tank.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., mkd. on brass cap



dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.

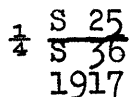
- 47.50 Bottom of draw, 10 chs. wide, course N. 70° E.
- 52.50 Top of ascent brs. E. and W.
- 65.00 Desc. gradual N. slope.
- 80.00 Bottom of draw, course E.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 25, 26, 35 and 36, mkd. on brass cap



from which,
A cedar, 8 ins. diam., brs. S. 46° 20' E.
110 lks. dist. mkd. T 31 N R 5 W S 36 B T.

No other trees within limits.
Dig pits, 18 X 18 X 12 ins., in each sec., 5 1/2 ft. dist.
Land, gently rolling.
Soil, sandy, 2nd rate.
Timber, scattering cedar.
Undergrowth, algerita and sagebrush.

- 40.00 East on a random line bet. secs. 25 and 36.
- 80.20 Set temp. 1/4 sec. cor.
- 80.20 Intersect E. bdy. of Tp., 16 lks. S. of cor. of secs. 25 and 36, hereinbefore described.
- Thence
- S. 89° 53' W. on a true line bet. secs. 25 and 36.
- Over rolling land, through very scattering timber and undergrowth.
- Asc. very gradual SE. slope.
- 40.10 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., mkd. on brass cap



from which,
A cedar, 6 ins. diam., brs. N. 50° 10' E.
330 lks. dist. mkd. 1/4 S 25 B T.

- 59.70 No other trees within limits.
- 73.00 Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.
- 73.00 Asc. gradual NE. slope to
- 73.00 Top of ascent brs. N. and S. Desc. to

Subdivision of T. 31 N., R. 5 W.

Chains

78.00 Draw, course S.
80.20 The cor. of secs. 25, 26, 35, and 36.
Land, gently rolling.
Soil, 3rd rate.
Timber, scattering cedar.
Undergrowth, algerita and sagebrush.

N. 0° 1' W. bet. secs. 25 and 26.
Over gently rolling land, through scattering timber and undergrowth.

Asc. gradual SE. slope.
70.00 To p of ascent brs. E. and W.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$\frac{1}{4}$
S26 | S25
1917

from which,
A cedar, 6 ins. diam., brs. N. 86° 40' E.
94 lks. dist. mkd. $\frac{1}{4}$ S 25 B T.
A cedar, 3 ins. diam., brs. N. 25° 10' W.
180 lks. dist. mkd. $\frac{1}{4}$ S 26 B T.

Thence desc. along gradual NE. slope.
70.00 Bottom of draw, course E.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 23, 24, 25 and 26, mkd. on brass cap

T31N R 5W
S23 | S24
S26 | S25
1917

from which,
A cedar, 4 ins. diam., brs. N. 10 $\frac{1}{2}$ ° E.
190 lks. dist. mkd. T 31 N R 5 W S 24 B T.
A cedar, 8 ins. diam., brs. S. 54 $\frac{1}{2}$ ° E.
405 lks. dist. mkd. T 31 N R 5 W S 25 B T.
A cedar, 3 ins. diam., brs. S. 85° W.
188 lks. dist. mkd. T 31 N R 5 W S 26 B T.
A cedar, 7 ins. diam., brs. N. 1° 20' W.
108 lks. dist. mkd. T 31 N R 5 W S 23 B T.

Land, gently rolling.
Soil, red sandy loam, 1st rate.
Timber, cedar.
Undergrowth, algerita and sagebrush.

40.00 East on a random line bet. secs. 24 and 25.
80.35 Set temp. $\frac{1}{4}$ sec. cor.
Intersect E. bdy. of Tp., 33 lks. S. of cor. of secs. 24 and 25, hereinbefore described.

Thence
S. 89° 46' W. on a true line bet. secs. 24 and 25.
Over gently rolling land, through scattering timber and undergrowth.

Asc. gradual SE. slope.
25.00 Top of slope. Desc. gradual slope to
35.00 Draw, course NE.
40.17 $\frac{1}{2}$ Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

18

Subdivision of T. 31 N. R. 5 W.

Chains

1/4 S 24
1/4 S 25
1917

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

80.35 Thence along SE. slope to
The cor. of secs. 23, 24, 25 and 26.
Land, nearly level.
Soil, 3rd rate.
Timber, very scattering cedar.
Undergrowth, algerita and sagebrush.
Grass.

N. 0° 1' W. bet. secs. 23 and 24.
Over gently rolling land, through scattering timber and undergrowth.

15.00 Asc. gradual SE. slope.
21.80 Top of ascent brs. E. and W. Desc. gradual slope.
23.00 Draw, course NE. Asc. gradual SE. slope.
23.00 Top of ascent brs. E. and W. Desc. gradual slope.
33.20 Bottom of draw, course E. Asc. gradual slope.
40.00 Top of slope brs. E. and W.
Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground, in a mound of stone, for 1/4 sec. cor., mkd. on brass cap

1/4
S23 | S24
1917

from which,

A cedar, 4 ins. diam., brs. N. 68 1/4° E.
62 lks. dist. mkd. 1/4 S 24 B T.
A cedar, 6 ins. diam., brs. S. 46° W.
200 lks. dist. mkd. 1/4 S 23 B T.

Desc. gradual slope.
47.00 Bottom of draw, course E. Asc. gradual slope.
55.00 Top of slope brs. E. and W. Desc. gradual slope to
62.40 Draw, course E. Asc. S. slope from draw.
74.00 Top of ascent brs. NE. and SW. Desc. gradual slope.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 13, 14, 23 and 24, mkd. on brass cap

T31N R 5W
S14 | S13
S23 | S24
1917

from which,

A cedar, 5 ins. diam., brs. N. 81° 25' E.
286 lks. dist. mkd. T 31 N R 5 W S 13 B T.
A cedar, 6 ins. diam., brs. S. 22° 35' E.
280 lks. dist. mkd. T 31 N R 5 W S 24 B T.
A cedar, 8 ins. diam., brs. S. 2° 55' W.
240 lks. dist. mkd. T 31 N R 5 W S 23 B T.

No other trees within limits.
Dig pits, 18 X 18 X 12 ins., in each sec., 5 1/2 ft. dist.
Land, gently rolling.
Soil, sandy, red loam, 1st rate.
Timber, scattering cedar.
Undergrowth, algerita and sagebrush.
Grass.

Subdivision of T. 31 N. R. 5 W.

Chains

East on a random line bet. secs. 13 and 24.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.10 Intersect. E. bdy. of Tp., 47 lks. S. of cor. of secs. 13
 and 24, hereinbefore described.
 Thence
 S. $89^{\circ} 40'$ W. on a true line bet. secs. 13 and 24.
 Over gently rolling land, through scattering timber and
 undergrowth.
 Asc. gradual SE. slope.
 20.00 Desc. gradual slope.
 25.00 Bottom of draw, course NE. Asc. gradual slope.
 40.05 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$\frac{1}{4}$ S 13
 $\frac{1}{4}$ S 24
 1917

from which,

A cedar, 5 ins. diam., brs. N. $40^{\circ} 55'$ W.
 341 lks. dist. mkd. $\frac{1}{4}$ S 13 B T.
 A cedar, 6 ins. diam., brs. S. $66^{\circ} 10'$ E.
 420 lks. dist. mkd. $\frac{1}{4}$ S 24 B T.
 56.00 Head of narrow draw, course NE.
 Asc. gradual slope to
 73.60 Top of ascent brs. NE. and SW. Desc. gradual NW. slope to
 80.10 The cor. of secs. 13, 14, 23 and 24.
 Land, gently rolling.
 Soil, 2nd rate.
 Timber, scattering cedar.
 Undergrowth, algerita and sagebrush.

N. $0^{\circ} 1'$ W. bet. secs. 13 and 14.
 Over gently rolling land, through timber and undergrowth.
 Desc. gradual slope.

20.00 Asc. gradual slope to
 26.20 Top of ascent brs. E. and W. Desc. NW. slope to
 32.00 Bottom of draw, course E.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$\frac{1}{4}$
 S14 | S13
 1917

from which,

A cedar, 14 ins. diam., brs. S. $38\frac{1}{2}^{\circ}$ E.
 200 lks. dist. mkd. $\frac{1}{4}$ S 13 B T.
 A cedar, 6 ins. diam., brs. S. $28^{\circ} 50'$ W.
 110 lks. dist. mkd. $\frac{1}{4}$ S 14 B T.
 46.00 Desc. NE. slope
 55.00 Draw, course E.
 Asc. gradual slope.
 71.30 Top of ascent brs. NE. and SW. Desc. gradual slope.
 75.00 Draw, course E. Asc. gradual slope to
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 11, 12, 13 and 14, mkd. on
 brass cap

T31N R 5W
 S11 | S12
 S14 | S13
 1917

from which,

A cedar, 7 ins. diam., brs. N. 60° E.
 275 lks. dist. mkd. T 31 N R 5 W S 12 B T.
 A cedar, 5 ins. diam., brs. S. $3\frac{1}{2}^{\circ}$ E.
 260 lks. dist. mkd. T 31 N R 5 W S 13 B T.

Chains

A cedar, 8 ins. diam., brs. S. $12\frac{1}{2}^{\circ}$ W.
 245 lks. dist. mkd. T 31 N R 5 W S 14 B T.
 A cedar, 7 ins. diam., brs. N. $14^{\circ} 10'$ W.
 400 lks. dist. mkd. T 31 N R 5 W S 11 B T.

Land, gently rolling.
 Soil, adobe, 1st rate.
 Timber, cedar.
 Undergrowth, algerita and sagebrush.
 Grass.

40.00
 79.96

East on a random line bet. secs. 12 and 13.
 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect E. bdy. of T₁ 49 lks. S. of cor. of secs.
 12 and 13 hereinbefore described.

Thence
 S. $89^{\circ} 39'$ W. on a true line bet. secs. 12 and 13.
 Over gently rolling land, through scattering timber and
 undergrowth.

31.50
 39.98

Asc. gradual slope to
 Top of slope, brs. NE. and SW. Desc. gradual 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., mkd. on
 brass cap

$\frac{1}{4}$ S 12
 S 13
 1917

from which,
 A cedar, 8 ins. diam., brs. N. $74\frac{1}{2}^{\circ}$ W.
 220 lks. dist. mkd. $\frac{1}{4}$ S 12 B T.
 A cedar, 8 ins. diam., brs. S. $9\frac{1}{2}^{\circ}$ W.
 163 lks. dist. mkd. $\frac{1}{4}$ S 13 B T.

41.60
 62.30
 79.96

Bottom of draw, course NE.
 Draw, course S.
 The cor. of secs. 11, 12, 13 and 14.
 Land, gently rolling.
 Soil, 2nd rate.
 Timber, cedar, and scattering pinion.
 Undergrowth, algerita and sagebrush.
 Grass.

7.00
 22.50
 40.00

N. $0^{\circ} 1'$ W. bet. secs. 11 and 12.
 Over gently rolling land, through scattering timber and
 undergrowth.
 Asc. gradual slope.
 Desc. gradual NE. slope.
 Bottom of draw, course E. Asc. S. 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.,
 mkd. on brass cap

S 11
 ↑
 S 12
 1917

from which,
 A cedar, 5 ins. diam., brs. S. $61^{\circ} 40'$ E.
 130 lks. dist. mkd. $\frac{1}{4}$ S 12 B T.
 A cedar, 8 ins. diam., brs. S. $23\frac{1}{2}^{\circ}$ W.
 440 lks. dist. mkd. $\frac{1}{4}$ S 11 B T.

47.80
 71.30

Asc. gradual S. slope.
 Top of ascent brs. NW. and SE.
 Desc. NE. slope to
 Draw, course E. Asc. gradual slope.

Subdivision of T. 31 N., R. 5 W.

Chains
80.00

Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground, in a mound of stone, for cor. ofsecs. 1, 2, 11 and 12, mkd. on brass cap

T31N R 5W
S 2 | S 1
S11 | S12
1917

- from which,
- A cedar, 3 ins. diam., brs. N. 53° 50' E. 226 lks. dist. mkd. T 31 N R 5 W S 1 B T.
- A cedar, 4 ins. diam., brs. S. 53° E. 72 lks. dist. mkd. T 31 N R 5 W S 12 B T.
- A cedar, 3 ins. diam., brs. S. 31° 25' W. 220 lks. dist. mkd. T 31 N R 5 W S 11 B T.
- A cedar, 6 ins. diam., brs. N. 65° 20' W. 130 lks. dist. mkd. T 31 N R 5 W S 2 B T.

Land, gently rolling.
Soil, sandy, loam, 2nd rate.
Timber, cedar.
Undergrowth, sagebrush and algerita.
Grass.

40.00
79.80

East on a random line bet. secs. 1 and 12.
Set temp. 1/4 sec. cor.
Intersect E. bdy. of Tp., 49 lks. S. of cor. of secs. 1 and 12, hereinbefore described.

Thence
S. 89° 39' W. on a true line bet. secs. 1 and 12.
Over rolling land, through scattering timber and undergrowth.

13.80
27.55
39.90

Asc. SE. slope.
Top of slope. Desc. gradual SW. slope.
Draw, course S.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., mkd. on brass cap

S 1
1/4 S 12
1917

- from which,
- A cedar, 8 ins. diam., brs. N. 67 1/4° E. 135 lks. dist. mkd. 1/4 S 1 B T.
- A cedar, 5 ins. diam., brs. S. 49° W. 238 lks. dist. mkd. 1/4 S 12 B T.

Asc. gradual SE. slope.
Draw, course S.
Draw, course S.
Road brs. N. and S. Continue gradual ascent.
The cor. of secs. 1, 2, 11 and 12.
Land, gently rolling.
Soil, 2nd rate.
Timber, cedar.
Undergrowth, algerita and sagebrush.

62.80
73.30
79.80

40.00
80.36

N. 0° 1' W. on a random line bet. secs. 1 and 2.
Set temp. 1/4 sec. cor.
Intersect N. bdy. of Tp., 36 lks. E. of cor. of secs. 1, 2, 35 and 36, hereinbefore described.
Thence
S. 0° 16' E. on a true line bet. secs. 1 and 2.
Over rolling land, through scattering timber and undergrowth.

Chains

20.00 Asc. gradual slope.
 Top of slope brs. E. and W. Desc. gradual slope to
 36.00 Draw, course NE.
 Road in draw brs. NE. and SW. Asc. gradual slope
 40.36 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., mkd. on brasscap

$\frac{1}{4}$
 S 2 | S 1
 1917

from which,

A cedar, 5 ins. diam., brs. S. 16° 10' E.
 84 lks. dist. mkd. $\frac{1}{4}$ S 1 B T.
 A cedar, 4 ins. diam., brs. S. 6° 40' W.
 68 lks. dist. mkd. $\frac{1}{4}$ S 2 B T.

43.40 Top of ascent. Desc. gradual SW. slope.

56.40 Road brs. NW. and SE.
 Draw, course SE. Asc. gradual slope.

65.40 Top of ascent.

74.40 Desc. gradual SE. slope to
 80.36 The cor. of secs. 1, 2, 11 and 12.

Land, rolling.
 Soil, 2nd rate.
 Timber, cedar.
 Undergrowth, algerita and sagebrush.

From the cor. of secs. 2, 3, 34 and 35, S. bdy. of Tp.,
 described in book "H",
 N. 0° 1' W. bet. secs. 34 and 35.
 Over gently rolling land, through scattering timber and
 undergrowth.

Asc. gradual slope.
 3.00 Top of short rise brs. E. and W. Desc. gradual slope.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$\frac{1}{4}$
 S 34 | S 35
 1917

from which,

A cedar, 4 ins. diam., brs. N. 82° 50' E.
 380 lks. dist. mkd. $\frac{1}{4}$ S 35 B T.
 A cedar, 8 ins. diam., brs. N. 66° 50' W.
 80 lks. dist. mkd. $\frac{1}{4}$ S 34 B T.

Desc. gradual NE. slope.
 55.00 Bottom of wide draw, course NW.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the
 ground, in a mound of stone, for cor. of secs. 26,
 27, 34 and 35, mkd. on brass cap

T 31 N R 5 W
 S 27 | S 26
 S 34 | S 35
 1917

dig pits, 18 X 18 X 12 ins., in each sec., $5\frac{1}{2}$ ft. dist.
 Land, gently rolling.
 Soil, 3rd rate.
 Timber, cedar.
 Undergrowth, algerita and sagebrush.

Subdivision of T. 31 N., R. 5 W.

Chains
 40.00 East on a random line bet. secs. 26 and 35.
 79.86 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line, 28 lks. S. of cor. of secs.
 25, 26, 35 and 36.
 Thence
 S. $89^{\circ} 48'$ W. on a true line bet. secs. 26 and 35.
 Over gently rolling land, through scattering timber and
 undergrowth.
 Asc. gradual slope.
 20.00 Top of slope. Desc. gradual W. slope.
 39.93 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$\frac{1}{4}$ S 26
 $\frac{1}{4}$ S 35
 1917

79.86 dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft.
 dist.
 The cor. of secs. 26, 27, 34 and 35.
 Land, gently rolling.
 Soil, 2nd rate.
 Timber, cedar.
 Undergrowth, algerita and sagebrush.
 Grass.

N. $0^{\circ} 1'$ W. bet. secs. 26 and 27.
 Over gently rolling land, through scattering timber and
 undergrowth.
 Asc. gradual SE. slope, changing to SW. slope.
 35.00 Top of slope brs. E. and W.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$\frac{1}{4}$
 S27 | S26
 1917

from which,
 A cedar, 8 ins. diam., brs. S. $85^{\circ} 20'$ E.
 45 lks. dist. mkd. $\frac{1}{4}$ S 26 B T.
 A cedar, 10 ins. diam., brs. N. $59^{\circ} 10'$ W.
 260 lks. dist. mkd. $\frac{1}{4}$ S 27 B T.
 Desc. gradual N. slope.
 70.00 Bottom of draw, course W. Thence along W. slope.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the
 ground, in a mound of stone, for cor. of secs.
 22, 23, 26 and 27, mkd. on brass cap

T31N R 5W
 S22 | S23
 S27 | S26
 1917

dig pits, 18 X 18 X 12 ins, in each sec., $5\frac{1}{2}$ ft. dist.
 Land, gently rolling.
 Soil, 2nd rate.
 Timber, cedar.
 Undergrowth, algerita and sagebrush.
 Grass.

24

.Subdivision of T. 31 N., R. 5 W.

Chains

East on a random line bet. secs. 23 and 26.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.89 Intersect N. and S. line, 23 lks. S. of cor. of secs.
 23, 24, 25 and 26.
 Thence
 S. $89^{\circ} 50'$ W. on a true line bet. secs. 23 and 26.
 Over gently rolling land, through scattering timber and
 undergrowth.
 Asc. gradual slope.
 22.90 Top of slope brs. N. and S. Desc. gradual W. slope..
 39.94 $\frac{1}{2}$ 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., mkd. on
 brass cap

$\frac{1}{4}$ S 23
 $\frac{1}{4}$ S 26
 1917

from which,
 A cedar, 3 ins. diam., brs. S. $5\frac{3}{4}^{\circ}$ E.
 317 lks. dist. mkd. $\frac{1}{4}$ S 26 B T.

No other trees within limits.
 Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.
 Desc. gradual slope to
 79.89 The cor. of secs. 22, 23, 26 and 27.
 Land, gently rolling.
 Soil, 2nd rate.
 Timber, cedar.
 Undergrowth, algerita and sagebrush.
 Grass.

N. $0^{\circ} 1'$ W. bet. secs. 22 and 23.
 Over gently rolling land, through scattering timber and under-
 growth.

2.70 Draw, course W.
 25.00 Draw, 10 chs. wide, course NW.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$\frac{1}{4}$
 S22 | S23
 1917

dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft.
 dist.
 Thence along general W. slope.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
 the ground, for cor. of secs. 14, 15, 22 and 23, mkd.
 on brass cap

T31N R 5W
 S15 | S14
 S22 | S23
 1917

dig pits, 18 X 18 X 12 ins., in each sec., $5\frac{1}{2}$ ft. dist.
 Land, gently rolling.
 Soil, 1st rate.
 Timber, scattering cedar.
 Undergrowth, algerita and sagebrush.
 Grass.

Chains

40.00 East on a random line bet. secs. 14 and 23.
79.87 Set temp. $\frac{1}{4}$ sec. cor.
Intersect N. and S. line, 26 lks. S. of cor. of secs. 13, 14, 23 and 24.

Thence
S. $89^{\circ} 49'$ W. on a true line bet. secs. 14 and 23.
Over rolling land, through scattering timber and undergrowth.

39.93 $\frac{1}{2}$ Asc. gradual slope.
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., mkd. on brass cap

$\frac{1}{4}$ S14
S 23
1917

from which,
A cedar, 8 ins. diam., brs. N. $24^{\circ} 25'$ W.
225 lks. dist. mkd. $\frac{1}{4}$ S 14 B T.
A cedar, 7 ins. diam., brs. S. $47\frac{3}{4}^{\circ}$ E.
205 lks. dist. mkd. $\frac{1}{4}$ S 23 B T.

79.87 Desc. gradual slope to
The cor. of secs. 14, 15, 22 and 23.
Land, gently rolling.
Soil, 2nd rate.
Timber, cedar.
Undergrowth, algerita and sagebrush.
Grass.

10.00 N. $0^{\circ} 1'$ W. bet. secs. 14 and 15.
40.00 Over gently rolling land, through scattering timber and undergrowth.

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

$\frac{1}{4}$
S15 | S14
1917

from which,
A cedar, 8 ins. diam., brs. N. $4^{\circ} 50'$ W.
365 lks. dist. mkd. $\frac{1}{4}$ S 15 B T.

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

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground, in a mound of stone, for cor. of secs. 10, 11, 14 and 15, mkd. on brass cap

T31N. R 5W
S10 | S11
S15 | S14
1917

from which,
A cedar, 6 ins. diam., brs. S. $64\frac{1}{2}^{\circ}$ E.
189 lks. dist. mkd. T 31 N R 5 W S 14 B T.
A cedar, 15 ins. diam., brs. S. $59^{\circ} 20'$ W.
265 lks. dist. mkd. T 31 N R 5 W S 15 B T.

No other trees within limits.
Dig pits, 18 X 18 X 12 ins., in each sec., $5\frac{1}{2}$ ft. dist.
Land, gently rolling.
Soil, 2nd rate.
Timber, cedar.
Undergrowth, algerita and sagebrush.
Grass.

Chains

40.00 East on a random line bet. secs. 11 and 14.
 79.89 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line, 14 lks. S. of cor. of secs. 11, 12, 13 and 14.
 Thence
 S. $89^{\circ} 54'$ W. on a true line bet. secs. 11 and 14.
 Over gently rolling land, through scattering timber and undergrowth.
 Asc. gradual slope.
 39.94 $\frac{1}{2}$ Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$\frac{1}{4}$ S 11
 $\frac{1}{4}$ S 14
 1917

from which,
 A cedar, 8 ins. diam., brs. N. $35\frac{1}{2}^{\circ}$ W.
 94 lks. dist. mkd. $\frac{1}{4}$ S 11 B T.
 A cedar, 6 ins. diam., brs. S. 63° W.
 200 lks. dist. mkd. $\frac{1}{4}$ S 14 B T.

Asc. gradual slope to
 44.90 Top of slope brs. N. and S. Desc. gradual slope to
 54.90 Draw, course NE. Asc. gradual NE. slope.
 64.90 Top of slope brs. N. and S. Desc. gradual slope.
 79.89 The cor. of secs. 10, 11, 14 and 15.
 Land, gently rolling.
 Soil, 2nd rate.
 Timber, cedar.
 Undergrowth, algerita and sagebrush.
 Grass.

40.00 N. $0^{\circ} 1'$ W. bet. secs. 10 and 11.
 Over rolling land, through scattering timber and undergrowth.
 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. mkd. on brass cap

$\frac{1}{4}$
 S10 | S11
 1917

from which,
 A cedar, 6 ins. diam., brs. N. $84^{\circ} 40'$ E.
 395 lks. dist. mkd. $\frac{1}{4}$ S 11 B T.

No other trees within limits.
 Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.
 Asc. gradual slope.
 44.00 Top of slope brs. E. and W.
 61.90 Cattle trail, brs. SW. to National Tank and NE.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 2, 3, 10 and 11, mkd. on brass cap

T31N R 5W
 S 3 | S 2
 S10 | S11
 1917

from which,
 A cedar, 10 ins. diam., brs. S. $58\frac{3}{4}^{\circ}$ W.
 375 lks. dist. mkd. T 31 N R 5 W S 10 B T.
 No other trees within limits.
 Raise a mound of stone, 3 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Land, gently rolling.
 Soil, 2nd rate.
 Timber, cedar. Undergrowth, algerita and sagebrush. Grass.

Subdivision of T. 31 N., R. 5 W.

Chains

40.00 East on a random line bet. secs. 2 and 11.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.93 Intersect N. and S. line, 14 lks. S. of cor. of secs. 1, 2, 11 and 12.
 Thence
 S. $89^{\circ} 54'$ W. on a true line bet. secs. 2 and 11.
 Over rolling land, through scattering timber and undergrowth.
 Asc. gradual slope to
 28.00 Thence over nearly level land.
 39.96 $\frac{1}{2}$ Set an iron post, 3 ft long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$\frac{1}{4}$ $\frac{S}{S}$ $\frac{2}{11}$
 1917

dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.
 Desc. gradual slope.
 79.93 The cor. of secs. 2, 3, 10 and 11.
 Land, gently rolling.
 Soil, 2nd rate.
 Timber, cedar.
 Undergrowth, algerita and sagebrush.
 Grass.

40.00 N. $0^{\circ} 1'$ W. on a random line bet. secs. 2 and 3.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.13 Intersect N. bdy. of Tp., 48 lks. E. of cor. of secs. 2, 3, 34 and 35, hereinbefore described.
 Thence
 S. $0^{\circ} 21'$ E. on a true line bet. secs. 2 and 3.
 Over gently rolling land, through scattering timber and undergrowth.
 Asc. gradual slope.
 10.00 Top of slope brs. NE. and SW. Desc. gradual slope.
 40.13 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$\frac{1}{4}$
 S 3 | S 2
 1917

dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.
 50.00 Draw, course W. Asc. gradual N. slope.
 77.00 Top of ascent brs. E. and W. Desc. gradual slope.
 80.13 The cor. of secs. 2, 3, 10 and 11.
 Land, gently rolling.
 Soil, 2nd rate.
 Timber, cedar.
 Undergrowth, algerita and sagebrush.
 Grass.

From the cor. of secs. 3, 4, 33 and 34, S. bdy. of Tp., described in book "H",
 N. $0^{\circ} 2'$ W. bet. secs. 33 and 34.
 Over rolling land, through scattering timber and undergrowth.
 Asc. gradual S. slope.
 30.00 Top of slope brs. E. and W. Desc. gradual slope.

28

Subdivision of T. 31 N. R. 5 W.

Chains

40.00

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

$$\begin{array}{c} \frac{1}{4} \\ S33 | S34 \\ 1917 \end{array}$$

dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.

Desc. gradual slope.

80.00

Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the ground, in a mound of stone, for cor. of secs. 27, 28, 33 and 34, mkd. on brass cap

$$\begin{array}{c} T31N R 5W \\ S28 | S27 \\ S33 | S34 \\ 1917 \end{array}$$

dig pits, 18 X 18 X 12 ins., in each sec., $5\frac{1}{2}$ ft. dist.

Land, gently rolling.

Soil, 2nd rate.

Timber, scattering cedar.

Undergrowth, algerita and sagebrush.

Grass.

40.00

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

80.08

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

Intersect N. and S. line, 19 lks. S. of cor. of secs. 26, 27, 34 and 35.

Thence

S. $89^{\circ} 52'$ W. on a true line bet. secs. 27 and 34.

Over gently rolling land, through scattering timber and undergrowth.

40.04

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

$$\begin{array}{c} \frac{1}{4} S 27 \\ S 34 \\ 1917 \end{array}$$

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

80.08

The cor. of secs. 27, 28, 33 and 34.

Land, gently rolling.

Soil, 2nd rate.

Timber, very scattering cedar.

Undergrowth, algerita and sagebrush.

Grass.

N. $0^{\circ} 2'$ W. bet. secs. 27 and 28.

Over gently rolling land, through scattering timber and undergrowth.

Desc. gradual NW. slope,

40.00

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

$$\begin{array}{c} \frac{1}{4} \\ S28 | S27 \\ 1917 \end{array}$$

from which;

A cedar, 4 ins. diam., brs. S. $75\frac{3}{4}^{\circ}$ E.
123 lks. dist. mkd. $\frac{1}{4}$ S 27 B T.

Subdivision of T. 31 N. R. 5 W.

Chains

80.00 No other trees within limits.
 Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.
 Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground, in a mound of stone, for cor. of secs. 21, 22, 27 and 28, mkd. on brass cap

T31N R 5W
 S21|S22
 S28|S27
 1917

dig pits, 18 X 18 X 12 ins., in each sec., 5 1/2 ft. dist.
 Land, gently rolling.
 Soil, 2nd rate.
 Timber, scattering cedar.
 Undergrowth, algerita and sagebrush.
 Grass.

40.00 East on a random line bet. secs. 22 and 27.
 80.14 Set temp. 1/4 sec. cor.
 Intersect N. and S. line, 16 lks. S. of cor. of secs. 22, 23, 26 and 27.

40.07 Thence
 S. 89° 53' W. on a true line bet. secs. 22 and 27.
 Over gently rolling land, through scattering timber and undergrowth.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., mkd. on brass cap

1/4 S 22
 S 27
 1917

80.14 dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.
 The cor. of secs. 21, 22, 27 and 28.
 Land, gently rolling.
 Soil, 2nd rate.
 Timber, scattering cedar.
 Undergrowth, algerita and sagebrush.
 Grass.

40.00 N. 0° 2' W. bet. secs. 21 and 22.
 Over gently rolling land, through scattering timber and undergrowth.
 Desc. gradual slope,
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., mkd. on brass cap

1/4
 S21|S22
 1917

75.00 dig pits, 18 X 18 X 12 ins., N. and S. of cor.
 80.00 3 ft. dist.
 Asc. gradual SW. slope to
 Set an iron post, 3 ft. long, 2 ins. diam., 5 ins. in the ground, in a mound of stone, for cor. of secs. 15, 16, 21 and 22, mkd. on brass cap

T31N R 5W
 S16|S15
 S21|S22
 1917

dig pits, 18 X 18 X 12 ins., in each sec., 5 1/2 ft. dist.

Chains

Land, gently rolling.
Soil, 2nd rate.
Timber, very scattering cedar.
Undergrowth, algerita and sagebrush.
Grass.

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

Thence
S. $89^{\circ} 55'$ W. on a true line bet. secs. 15 and 22.
Over gently rolling land, through scattering timber and
undergrowth.

Desc. gradual slope.

General course of drainage is W. and NW.

40.07 $\frac{1}{2}$ Set an iron post, 3 ft. long, lin. diam., 12 ins. in the
ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked
on brass cap.

$\frac{1}{4}$ S 15.
S 22
1917

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

80.15 The cor. of secs. 15, 16, 21 and 22.

Land, gently rolling.
Soil, 2nd rate.
Timber, very scattering cedar.
Undergrowth, algerita and sagebrush.
Grass.

N. $0^{\circ} 2'$ W. bet. secs. 15 and 16.
Over gently rolling land, through scattering timber and
undergrowth.

General drainage to the W.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the
ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked
on brass cap

$\frac{1}{4}$
S16 | S15
1917

dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft.
dist.

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

T31 N R 5W
S 9 | S10
S16 | S15
1917

dig pits, 18 X 18 X 12 ins., in each sec., 5 $\frac{1}{2}$ ft. dist.

Land, gently rolling.
Soil, 2nd rate.
Timber, very scattering cedar.
Undergrowth, algerita and sagebrush.
Grass.

Subdivision of T. 31 N., R. 5 W.

Chains

East on a random line bet. secs. 10 and 15.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.23 Intersect N. and S. line, 21 lks. S. of cor. of secs. 10, 11, 14 and 15.
 Thence
 S. $89^{\circ} 51'$ W. on a true line bet. secs. 10 and 15.
 Over gently rolling land, through scattering timber and undergrowth.
 Desc. gradual slope.
 40.11 $\frac{1}{2}$ Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$\frac{1}{4}$ $\frac{S 10}{S 15}$
 1917

dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.
 50.20 Draw, course NW.
 80.23 The cor. of secs. 9, 10, 15 and 16.
 Land, gently rolling.
 Soil, 2nd rate.
 Timber, scattering cedar.
 Undergrowth, algerita and sagebrush.
 Grass.

N. $0^{\circ} 2'$ W. bet. secs. 9 and 10.
 Over gently rolling land, through scattering timber and undergrowth.
 40.00 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., mkd. on brass cap

$\frac{1}{4}$
 S 9 | S 10
 1917

dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.
 Desc. gradual N. slope to bottom of sink at end of valley.
 General drainage N.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 3, 4, 9 and 10, mkd. on brass cap

T31N R 5W
 $\frac{S 4 | S 3}{S 9 | S 10}$
 1917

dig pits, 18 X 18 X 12 ins., in each sec., 5 $\frac{1}{2}$ ft. dist.
 Land, gently rolling.
 Soil, sandy loam, 1st rate.
 Timber, very scattering cedar.
 Undergrowth, sagebrush and greasewood.
 Grass.

East on a random line bet. secs. 3 and 10.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.31 Intersect N. and S. line, 18 lks. S. of cor. of secs. 2, 3, 10 and 11.
 Thence
 S. $89^{\circ} 52'$ W. on a true line bet. secs. 3 and 10.
 Over gently rolling land, through scattering timber and undergrowth.
 Desc. gradual slope.

Chains
40.15¹/₂

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

$\frac{1}{4} \begin{array}{l} S \ 3 \\ S \ 10 \\ 1917 \end{array}$

from which,

A cedar, 12 ins. diam., brs. N. 68° E.
242 lks. dist. mkd. ¹/₄ S 3 B T.

A cedar, 5 ins. diam., brs. S. 28° W.
151 lks. dist. mkd. ¹/₄ S 10 B T.

48.40
80.31

Desc. gradual W. slope.
The cor. of secs. 3, 4, 9 and 10.
Land, gently rolling.
Soil, 2nd rate.
Timber, scattering cedar.
Undergrowth, sagebrush and greasewood.
Grass.

40.00
80.06

N. 0° 2' W. on a random line bet. secs. 3 and 4.
Set temp. ¹/₄ sec. cor.
Intersect N. bdy. of Tp., 13 lks. E. of cor. of secs. 3, 4, 33 and 34, hereinbefore described.

Thence
S. 0° 8' E. on a true line bet. secs. 3 and 4.
Over gently rolling land, through scattering timber and undergrowth.

36.50
40.06

Desc. gradual slope.
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., mkd. on brass cap

$\frac{1}{4} \begin{array}{l} S \ 4 \\ S \ 3 \\ 1917 \end{array}$

dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.

50.00
80.06

Desc. gradual SE. slope to
Thence over gently rolling land.
The cor. of secs. 3, 4, 9 and 10.
Land, gently rolling.
Soil, 2nd rate.
Timber, scattering cedar.
Undergrowth, algerita and sagebrush.
Grass.

8.60
40.00

From the cor. of secs. 4, 5; 32 and 33, S. bdy. of Tp., described in book "H",
N. 0° 3' W. bet. secs. 32 and 33.
Over nearly level land, through very scattering timber and undergrowth.
Draw, course N. 30° W.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¹/₄ sec. cor., mkd. on brasscap

$\frac{1}{4} \begin{array}{l} S \ 32 \\ S \ 33 \\ 1917 \end{array}$

from which,

A cedar, 15 ins. diam., brs. N. 33° E.
347 lks. dist. mkd. ¹/₄ S 33 B T

A dead cedar, 12 ins. diam., brs. N. 0° 45' W.
543 lks. dist. mkd. ¹/₄ S 32 B T.

Subdivision of T. 31 N. R. 5 W.

Chains
80.00

Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground; in a mound of stone, for cor. of secs. 28, 29, 32 and 33; mkd: on brass cap

T31N R 5W
S29 | S28
S32 | S33
1917

dig pits, 18 X 18 X 12 ins., in each sec., 5 1/2 ft. dist. Land, nearly level. Soil, sandy clay, limestone formation, 2nd rate. Timber, very scattering cedar. Undergrowth, sagebrush. Grass.

40.00
79.98

East on a random line bet. secs. 28 and 33. Set temp. 1/4 sec. cor. Intersect N. and S. line, 23 lks. S. of cor. of secs. 27, 28, 33 and 34.

Thence S. 89° 50' W. on a true line bet. secs. 28 and 33. Over nearly level land, through scattering timber and undergrowth.

10.00
39.99

Desc. gradual NW. slope. Thence along gradual N. slope. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., mkd. on brass cap

1/4 S 28
1/4 S 33
1917

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

79.98

Asc. gradual E. slope. The cor. of secs. 28, 29, 32 and 33. Land, nearly level. Soil, sandy clay, limestone formation, 2nd rate. Timber, very scattering cedar. Undergrowth, sagebrush. Grass.

40.00

N. 0° 3' W. bet. secs. 28 and 29. Over nearly level land, through scattering timber and undergrowth. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., mkd. on brass cap

1/4 S 28
1917

from which,
A cedar, 5 ins. diam., brs. S. 22 1/2° E. 340 lks. dist. mkd. 1/4 S 28 B T.
A dead cedar, 6 ins. diam., brs. N. 18° W. 358 lks. dist. mkd. 1/4 S 29 B T.

80.00

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

T31N R 5W
S20 | S21
S29 | S28
1917

Chains

from which,
 A cedar, 8 ins. diam., brs. N. 64° E.
 149 lks. dist. mkd. T 31 N R 5 W S 21 B T.
 A cedar, 6 ins. diam., brs. S. 35° E.
 130 lks. dist. mkd. T 31 N R 5 W S 28 B T.
 A cedar, 5 ins. diam., brs. S. 56° W.
 510 lks. dist. mkd. T 31 N R 5 W S 29 B T.
 A cedar, 6 ins. diam., brs. N. 76½° W.
 90 lks. dist. mkd. T 31 N R 5 W S 20 B T.

Land, nearly level.
 Soil, sandy clay, limestone, formation, 2nd rate.
 Timber, cedar.
 Undergrowth, sagebrush.
 Grass.

40.00 East on a random line bet. secs. 21 and 28.
 Set temp. ¼ sec. cor.
 79.90 Intersect N. and S. line, 23 lks. S. of cor. of secs.
 21, 22, 27 and 28.
 Thence
 S. 89° 50' W. on a true line bet. secs. 21 and 28.
 Over nearly level land, through very scattering timber and
 undergrowth.
 Desc. gradual slope to
 10.00 Enter draw, 15 chs. wide, course N.
 39.95 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the
 ground, in a mound of earth and stone, for ¼ sec. cor.,
 mkd. on brass cap.

S 21
 ¼ S 28
 1917

dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft.
 dist.
 79.90 Asc. gradual E. slope.
 The cor. of secs. 20, 21, 28 and 29.
 Land, nearly level.
 Soil, sandy clay, limestone formation, 2nd rate.
 Timber, very scattering cedar.
 Undergrowth, sagebrush.
 Grass.

40.00 N. 0° 3' W. bet. secs. 20 and 21.
 Over nearly level land, through scattering timber and
 undergrowth.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for ¼ sec. cor., mkd. on brass cap

S 20 | S 21
 1917

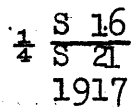
73.00 dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft.
 dist.
 80.00 Bottom of draw, 8 chs. wide, course NE.
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 16, 17, 20 and 21, mkd. on
 brass cap

T 31 N R 5 W
 S 17 | S 16
 S 20 | S 21
 1917

Chains

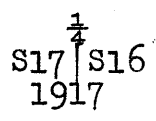
dig pits, 18 X 18 X 12 ins., in each sec., 5 1/2 ft. dist.
 Land, nearly level.
 Soil, sandy clay, limestone formation, 2nd rate.
 Timber, very scattering cedar.
 Undergrowth, sagebrush.
 Grass.

40.00 East on a random line bet. secs. 16 and 21.
 79.88 Set temp. 1/4 sec. cor.
 Intersect N. and S. line, 19 lks. S. of cor. of secs. 15,
 16, 21 and 22.
 Thence
 S. 89° 52' W. on a true line bet. secs. 16 and 21.
 Over nearly level land, through scattering timber and
 undergrowth.
 Desc. gradual W. slope, to
 15.00 Thence over level land to
 23.00 Draw, 12 chs. wide, course N. 33° W.
 39.94 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for 1/4 sec. cor., mkd. on brass cap

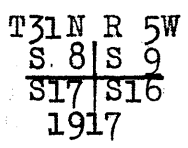


50.00 dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft.
 dist.
 72.00 Desc. gradual NW slope.
 79.88 Draw, course NE.
 The cor. of secs. 16, 17, 20 and 21.
 Land, nearly level.
 Soil, sandy clay, limestone formation, 2nd rate.
 Timber, scattering cedar.
 Undergrowth, sagebrush.
 Grass.

35.00 N. 0° 3' W. bet. secs. 16 and 17.
 40.00 Over nearly level land, through scattering timber and
 undergrowth.
 Draw, course E.
 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the
 ground, in a mound of stone, for 1/4 sec. cor., mkd.
 on brass cap



51.20 from which,
 66.00 A dead cedar, 12 ins. diam., brs. N. 58° E.
 80.00 4 lks. dist. mkd. 1/4 S 16 B T.
 A cedar, 5 ins. diam., brs. N. 33° W.
 305 lks. dist. mkd. 1/4 S 17 B T.
 Draw, course E.
 Draw, near head, course E.
 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the
 ground, for cor. of secs. 8, 9, 16 and 17, mkd. on
 brass cap



Chains

from which,
 A cedar, 6 ins. diam., brs. N. $3\frac{3}{4}^{\circ}$ W.
 324 lks. dist. mkd. T 31 N R 5 W S 8 B T.
 No other trees within limits.
 Dig pits, 18 X 18 X 12 ins., in each sec., $5\frac{1}{2}$ ft. dist.
 Land, nearly level and gently rolling.
 Soil, sandy clay, stony limestone formation, 3rd rate.
 Timber, very scattering cedar.
 Undergrowth, sagebrush.
 Grass.

40.00 East on a random line bet. secs. 9 and 16.
 79.88 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line, 18 lks. S. of cor. of secs.
 9, 10, 15 and 16.
 Thence
 S. $89^{\circ} 52'$ W. on a true line bet. secs. 9 and 16.
 Over gently rolling land, through scattering undergrowth.
 10.00 Desc. gradual W. slope.
 20.00 Draw, course N.
 39.94 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$\frac{1}{4}$ S 9
 S 16
 1917

70.00 dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft.
 79.88 dist.
 Over nearly level land to
 The cor. of secs. 8, 9, 16 and 17.
 Land, gently rolling.
 Soil, sandy clay, stony, limestone formation, 2nd rate.
 Timber, none.
 Undergrowth, sagebrush.
 Grass.

11.40 N. $0^{\circ} 3'$ W. bet. secs. 8 and 9.
 40.00 Over nearly level land, through scattering timber and
 undergrowth.
 Draw, course N. 70° E.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

S 8 | S 9
 1917

80.00 dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft.
 dist.
 Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the
 ground, in a mound of stone, for cor. of secs.
 4, 5, 8 and 9, mkd. on brass cap

T 31 N R 5 W
 S 5 | S 4
 S 8 | S 9
 1917

from which,
 A cedar, 6 ins. diam., brs. N. $6\frac{1}{2}^{\circ}$ E.
 118 lks. dist. mkd. T 31 N R 5 W S 4 B T.
 A cedar, 5 ins. diam., brs. S. $7\frac{1}{2}^{\circ}$ E.
 153 lks. dist. mkd. T 31 N R 5 W S 9 B T.
 A cedar, 6 ins. diam., brs. S. 8° W.
 263 lks. dist. mkd. T 31 N R 5 W S 8 B T.

Subdivision of T. 31 N., R. 5 W.

Chains.

A cedar, 6 ins. diam., brs. N.88°W.,
 291 lks. dist., marked T31N R5W S5 BT.
 Land, gently rolling.
 Soil, sandy clay, stony, limestone formation, 2nd rate.
 Timber, scattering cedar.
 Undergrowth, sagebrush.
 Grass.

40.00
79.94

East on a random line, bet. secs. 4 and 9.
 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line, 23 lks. S. of the cor. of secs.
 3, 4, 9 and 10.
 Thence
 S.89°50'W., on a true line, bet. secs. 4 and 9.
 Over gently rolling land, through scattering timber and
 undergrowth.

5.00
39.97

Draw, course N.
 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
 $\frac{1}{4}$ S 9
 1917

79.94

dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft.
 dist.
 The cor. of secs. 4, 5, 8 and 9.
 Land, gently rolling.
 Soil, sandy clay, stony limestone formation, 2nd rate.
 Timber, scattering cedar.
 Undergrowth, sagebrush.
 Grass.

40.00
79.98

N.0°3'W., on a random line, bet. secs. 4 and 5.
 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. bdy. of Tp., 19 lks. E. of the cor. of secs.
 4, 5, 32 and 33, hereinbefore described.
 Thence
 S.0°11'E., on a true line, bet. secs. 4 and 5.
 Over gently rolling land, through scattering timber and
 undergrowth.

15.60
39.98

Desc. gradual slope to
 Draw, course N.50°E. Asc. gradual slope.
 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
 1917

45.00
66.00
79.98

from which
 A cedar, 5 ins. diam., brs. S.35°E.,
 307 lks. dist., marked $\frac{1}{4}$ S4 BT.
 No other trees within limits.
 Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.
 Draw, near head, course N.30°E.
 Draw, near head, course N.60°E.
 The cor. of secs. 4, 5, 8 and 9.
 Land, gently rolling.
 Soil, sandy clay, gravelly, stony, quartz and limestone
 formations, 3rd rate.
 Timber, scattering cedar.
 Undergrowth, algerita and sagebrush.
 Grass.

Chains.

| | |
|-------|---|
| | <p>From the cor. of secs. 5, 6, 31 and 32, S. bdy. of Tp., described in Book "H", N.0°3'W., bet. secs. 31 and 32. Over gently rolling land, through scattering timber and undergrowth. Desc. gradual slope.</p> |
| 25.00 | Bottom of draw, course E. |
| 35.00 | Small draw, course SE. |
| 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 |
| | $\begin{array}{r} \frac{1}{4} \\ S31 S32 \\ 1917 \end{array}$ |
| | <p>from which A cedar, 10 ins. diam., brs. S.81°E., 212 lks. dist., marked $\frac{1}{4}$S32 BT. No other trees within limits. Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist. Desc. gradual SE. slope.</p> |
| 80.00 | Set an iron post, 3 ft. long, 2 ins diam., 24 ins. in the ground, for cor. of secs. 29, 30, 31 and 32, marked on brass cap |
| | $\begin{array}{r} T31N R5W \\ S30 S29 \\ S31 S32 \\ 1917 \end{array}$ |
| | <p>from which A cedar, 7 ins. diam., brs. N.64°40'E., 390 lks. dist., marked T31N R5W S29 BT. A cedar, 6 ins. diam., brs. S.64°50'E., 160 lks. dist., marked T31N R5W S32 BT. A cedar, 8 ins. diam., brs. S.16°55'W., 365 lks. dist., marked T31N R5W S31 BT. A pinion, 12 ins. diam., brs. N.26°50'W., 260 lks. dist., marked T31N R5W S30 BT.</p> |
| | <p>Land, gently rolling. Soil, gravelly, 3rd rate. Timber, scattering cedar and pinion. Undergrowth, algerita and sagebrush. Grass.</p> |
| 40.00 | East on a random line, bet. secs. 29 and 32. Set temp. $\frac{1}{4}$ sec. cor. |
| 79.98 | Intersect N. and S. line, 28 lks. S. of the cor. of secs. 28, 29, 32 and 33. Thence S.89°48'W., on a true line, bet. secs. 29 and 32. Over gently rolling land, through scattering timber and undergrowth. Asc. gradual slope. |
| 30.00 | Top of slope, brs. N. and S. Desc. gradual slope. |
| 35.00 | Bottom of draw, course N. |
| 39.99 | 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 |
| | $\begin{array}{r} \frac{1}{4} S29 \\ S32 \\ 1917 \end{array}$ |
| | <p>dig pits, 18 X 18 X 12 ins., E. and W. of post 3 ft. dist.</p> |
| 79.98 | The cor. of secs. 29, 30, 31 and 32. Land, gently rolling. Soil, 2nd rate. Timber, scattering cedar. Undergrowth, algerita. Grass. |

Subdivision of T. 31 N. R. 5 W.

Chains

West on a random line bet. secs. 30 and 31.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 78.56 Intersect W. bdy. of Tp., 16 lks. N. of cor. of secs.
 25, 30, 31 and 36, hereinbefore described.
 Thence
 N. $89^{\circ} 53'$ E. on a true line bet. secs. 30 and 31.
 Over gently rolling land, through scattering timber and
 undergrowth.
 Asc. gradual slope.
 8.50 Top of ridge brs. N. and S. Desc. gradual SE. slope.
 38.56 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$\frac{1}{4}$ S 30
 $\frac{1}{4}$ S 31
 1917

from which,

A cedar, 6 ins. diam., brs. N. $2^{\circ} 40'$ W.
 230 lks. dist. mkd. $\frac{1}{4}$ S 30 B T.

No other trees within limits.

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

43.50 Draw, course N. Asc. gradual slope.

53.50 Top of slope brs. N. and S. Desc. gradual slope.

78.56 The cor. of secs. 29, 30, 31 and 32.

Land, nearly level.

Soil, 2nd rate.

Timber, cedar, and pinion.

Undergrowth, algerita

Grass.

N. $0^{\circ} 3'$ W. bet. secs. 29 and 30.

Over gently rolling land, through scattering timber and undergrowth.

Asc. gradual SE. slope.

17.90 Draw, course SE.

25.00 Top of ascent brs. E. and W. Desc. gradual N. slope.

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

$\frac{1}{4}$
 S30 | S29
 1917

from which,

A cedar, 6 ins. diam., brs. N. $2\frac{1}{2}^{\circ}$ E.
 170 lks. dist. mkd. $\frac{1}{4}$ S 29 B T.

A cedar, 3 ins. diam., brs. N. $83^{\circ} 5'$ W.
 97 lks. dist. mkd. $\frac{1}{4}$ S 30 B T.

Asc. gradual slope.

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

T31 N R 5 W
 S19 | S20
 S30 | S29
 1917

from which,

A cedar, 6 ins. diam., brs. N. $8^{\circ} 35'$ E.
 58 lks. dist. mkd. T 31 N R 5 W S 20 B T.

A cedar, 3 ins. diam., brs. S. 72° E.
 275 lks. dist. mkd. T 31 N R 5 W S 29 B T.

A cedar, 5 ins. diam., brs. S. $22^{\circ} 35'$ W.
 340 lks. dist. mkd. T 31 N R 5 W S 30 B T.

A cedar, 4 ins. diam., brs. N. $29^{\circ} 35'$ W.
 295 lks. dist. mkd. T 31 N R 5 W S 19 B T.

Chains

Land, gently rolling.
Soil, rocky, 3rd rate.
Timber, cedar.
Undergrowth, algerita.
Grass.

40.00 East on a random line bet. secs. 20 and 29.
Set temp. $\frac{1}{4}$ sec. cor.
79.95 Intersect N. and S. line, 21 lks. S. of cor. of secs.
20, 21, 28 and 29.
Thence
S. $89^{\circ} 51'$ W. on a true line bet. secs. 20 and 29.
Over gently rolling land, through scattering timber and
undergrowth.
Desc. gradual slope.
25.00 Bottom of desc. brs. NE. and SW.
35.00 Draw, course W.
39.97 $\frac{1}{2}$ Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$$\begin{array}{r} \frac{1}{4} S 20 \\ \frac{1}{4} S 29 \\ \hline 1917 \end{array}$$

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

45.00 Leave draw, course NW, from E.
Asc. gradual slope.
79.95 The cor. of secs. 19, 20, 29 and 30.
Land, gently rolling.
Soil, 2nd rate.
Timber, scattering cedar.
Undergrowth, algerita.
Grass.

40.00 West on a random line bet. secs. 19 and 30.
Set temp. $\frac{1}{4}$ sec. cor.
78.47 Intersect W. bdy. of Tp., 14 lks. N. of cor. of secs.
19, 24, 25 and 30, hereinbefore described.
Thence
N. $89^{\circ} 54'$ E. on a true line bet. secs. 19 and 30.
Over gently rolling land, through scattering timber and
undergrowth.
18.50 Enter dense timber brs. NW. and SE.
38.47 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$$\begin{array}{r} \frac{1}{4} S 19 \\ \frac{1}{4} S 30 \\ \hline 1917 \end{array}$$

from which,

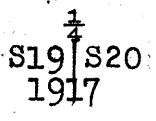
A pinion, 12 ins. diam., brs. N. $70\frac{1}{2}^{\circ}$ W.
58 lks. dist. mkd. $\frac{1}{4}$ S 19 B T.
A pinion, 10 ins. diam., brs. S. 26° W.
74 lks. dist. mkd. $\frac{1}{4}$ S 30 B T.

43.50 Leave dense timber brs. NE. and SW.
78.47 The cor. of secs. 19, 20, 29 and 30.
Land, rolling.
Soil, 2nd rate.
Timber, dense cedar and pinion.
Undergrowth, algerita.
Grass.

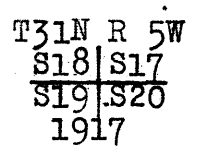
Subdivision of T. 31 N. R. 5 W.

Chains

N. 0° 3' W. bet. secs. 19 and 20.
 Over gently rolling land, through scattering timber and undergrowth.
 Asc. gradual slope.
 10.00 Top of slope. Thence over nearly level land.
 30.00 Desc. gradual N. slope.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

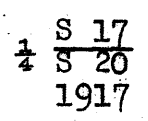


from which,
 A cedar, 5 ins. diam., brs. S. 69° 40' E.
 320 lks. dist. mkd. $\frac{1}{4}$ S 20 B T.
 A pinion, 8 ins. diam., brs. S. 67° 40' W.
 515 lks. dist. mkd. $\frac{1}{4}$ S 19 B T.
 45.00 Draw, course E. Asc. gradual S. slope.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 17, 18, 19 and 20, mkd. on brass cap.



from which,
 A cedar, 6 ins. diam., brs. S. 33° 50' E.
 500 lks. dist. mkd. T 31 N R 5 W S 20 B T.
 A cedar, 8 ins. diam., brs. S. 39 $\frac{1}{2}$ ° W.
 360 lks. dist. mkd. T 31 N R 5 W S 19 B T.
 A cedar, 8 ins. diam., brs. N. 71 $\frac{1}{2}$ ° W.
 170 lks. dist. mkd. T 31 N R 5 W S 18 B T.
 No other trees within limits. Dig pits, 18 X 18 X 12 ins., landing each sec. $15\frac{1}{2}$ ft. dist.
 Soil, 1st rate. Land, gently rolling.
 Timber, cedar and pinion.
 Undergrowth, algerita.
 Grass.

40.00 East on a random line bet. secs. 17 and 20.
 79.96 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line, 28 lks. S. of cor. of secs. 16, 17, 20 and 21.
 Thence
 S. 89° 48' W. on a true line bet. secs. 17 and 20.
 Over nearly level land, through scattering timber and undergrowth.
 Asc. very gradual slope.
 39.98 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. mkd. on brass cap



dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.
 79.96 The cor. of secs. 17, 18, 19 and 20.
 Land, nearly level.
 Soil, 2nd rate.
 Timber, very scattering cedar.
 Undergrowth, algerita.
 Grass.

42

Subdivision of T. 31 N. R. 5 W.

Chains

West on a random line bet. secs. 18 and 19.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 78.27 Intersect W. bdy. of Tp., 14 lks. N. of cor. of secs.
 13, 18, 19 and 24, hereinbefore described.
 Thence
 N. $89^{\circ} 54'$ E. on a true line bet. secs. 18 and 19.
 Over nearly level land, through scattering timber and
 undergrowth.
 Asc. very gradual slope.
 38.27 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$$\begin{array}{c} \frac{1}{4} S 18 \\ \frac{1}{4} S 19 \\ 1917 \end{array}$$

from which,

A pinion, 10 ins. diam., brs. N. $64\frac{1}{2}^{\circ}$ W.
 130 lks. dist. mkd. $\frac{1}{4}$ S 18 B T.
 A cedar, 4 ins. diam., brs. S. $10\frac{3}{4}^{\circ}$ W.
 97 lks. dist. mkd. $\frac{1}{4}$ S 19 B T.

78.27 The cor. of secs. 17, 18, 19 and 20.
 Land, nearly level.
 Soil, 2nd rate.
 Timber, scattering cedar and pinion.
 Undergrowth, algerita.
 Grass.

N. $0^{\circ} 3'$ W. bet. secs. 17 and 18.
 Over nearly level land, through scattering timber and
 undergrowth.

15.00 Desc. gradual N. slope.
 Draw, course E. Thence along E. slope to
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$$\begin{array}{c} \frac{1}{4} \\ S 18 | S 17 \\ 1917 \end{array}$$

from which,

A cedar, 7 ins. diam., brs. N. $48^{\circ} 10'$ E.
 85 lks. dist. mkd. $\frac{1}{4}$ S 17 B T.

No other trees within limits.

80.00 Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.
 Draw, course E.
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 7, 8, 17 and 18, mkd. on
 brass cap

$$\begin{array}{c} T 31 N R 5 W \\ S 7 | S 8 \\ S 18 | S 17 \\ 1917 \end{array}$$

dig pits, 18 X 18 X 12 ins., in each sec., $5\frac{1}{2}$ ft. dist.
 Land, nearly level.
 Soil, gravelly loam, 1st rate.
 Timber, scattering cedar.
 Undergrowth, algerita.
 Grass.

Chains

40.00 East on a random line bet. secs. 8 and 17.
 79.96 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line, 31 lks. S. of cor. of secs.
 8, 9, 16 and 17.
 Thence
 S. $89^{\circ} 47'$ W. on a true line bet. secs. 8 and 17.
 Over gently rolling land, through scattering timber and
 undergrowth.
 Desc. gradual slope.
 39.00 Bottom of draw, course NE.
 39.98 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$\frac{1}{4}$ S 8
 $\frac{1}{4}$ S 17
 1917

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

75.00 Desc. gradual slope to
 79.96 The cor. of secs. 7, 8, 17 and 18.
 Land, gently rolling.
 Soil, 2nd rate.
 Timber, scattering cedar.
 Undergrowth, algerita.
 Grass.

40.00 West on a random line bet. secs. 7 and 18.
 78.13 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect W. bdy. of Tp., 14 lks. N. of cor. of secs.
 7, 12, 13 and 18, hereinbefore described.
 Thence
 N. $89^{\circ} 54'$ E. on a true line bet. secs. 7 and 18.
 Over gently rolling land, through scattering timber and
 undergrowth.
 38.13 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$\frac{1}{4}$ S 7
 $\frac{1}{4}$ S 18
 1917

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

43.00 Bottom of draw, course N.
 78.13 The cor. of secs. 7, 8, 17 and 18.
 Land, gently rolling.
 Soil, 2nd rate.
 Timber, scattering cedar.
 Undergrowth, algerita.
 Grass.

N. $0^{\circ} 03'$ W. bet. secs. 7 and 8.
 Over nearly level land, through scattering timber and
 undergrowth.
 Asc. gradual slope.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

S 7 \uparrow S 8
 1917

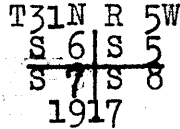
14

Subdivision of T. 31 N. R. 5 W.

Chains

from which,
 A cedar, 3 ins. diam., brs. S. 16° 55' E.
 175 lks. dist. mkd. $\frac{1}{4}$ S 8 B T.
 A cedar, 10 ins. diam., brs. N. 33° 40' W.
 100 lks. dist. mkd. $\frac{1}{4}$ S 7 B T.

Asc. gradual slope.
 45.00 Top of ascent brs. E. and W. Desc. gradual slope.
 50.00 Enter level land.
 80.00 Set an iron post, 3 ft. long; 2 ins. diam. 24 ins. in the
 ground, for cor. of secs. 5, 6, 7 and 8, mkd. on
 brass cap



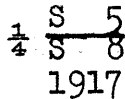
from which,
 A cedar, 10 ins. diam., brs. N. 81° 10' W.
 410 lks. dist. mkd. T 31 N R 5 W S 6 B T.

No other trees within limits.
 Dig pits, 18 X 18 X 12 ins., in each sec., 5½ ft. dist.
 Land, gently rolling.
 Soil, 2nd rate.
 Timber, scattering cedar.
 Undergrowth, algerita.
 Grass.

40.00 East on a random line bet. secs. 5 and 8.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.90 Intersect N. and S. line, 31 lks. S. of cor. of secs.
 4, 5, 8 and 9.

Thence
 S. 89° 47' W. on a true line bet. secs. 5 and 8.
 Over nearly level land, through scattering timber and
 undergrowth.

Asc. gradual slope.
 15.00 Top of slope brs. N. and S. Desc. gradual W. slope.
 39.95 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap



from which,
 A cedar, 6 ins. diam., brs. N. 5¼° W.
 180 lks. dist. mkd. $\frac{1}{4}$ S 5 B T.

No other trees within limits.
 79.90 Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.
 The cor. of secs. 5, 6, 7 and 8.
 Land, nearly level.
 Soil, 2nd rate.
 Timber, scattering cedar.
 Undergrowth, algerita.
 Grass.

40.00 West on a random line bet. secs. 6 and 7.
 Set temp. $\frac{1}{4}$ sec. cor.
 77.97 Intersect W. bdy. of Tp., 7 lks. N. of cor. of secs.
 1, 6, 7 and 12, hereinbefore described.
 Thence
 N. 89° 57' E. on a true line bet. secs. 6 and 7.
 Over gently rolling land, through scattering timber and
 undergrowth.
 Asc. gradual slope.

Subdivision of T. 31 N., R. 5 W.

45

Chains

18.00

37.97

Top of slope brs. N. and S. Desc. gradual SE. slope.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

$$\frac{1}{4} \begin{array}{l} S \ 6 \\ S \ 7 \\ 1917 \end{array}$$

from which,

A cedar, 3 ins. diam., brs. N. 28° 40' E.
340 lks. dist. mkd. $\frac{1}{4}$ S 6 B T.

A cedar, 8 ins. diam., brs. S. 44° 40' E.
380 lks. dist. mkd. $\frac{1}{4}$ S 7 B T.

Desc. gradual slope.

77.97

The cor. of secs. 5, 6, 7 and 8.

Land, nearly level.

Soil, 2nd rate.

Timber, scattering cedar.

Undergrowth, algerita.

Grass.

40.00

80.11

N. 0° 3' W. on a random line bet. secs. 5 and 6.

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

Intersect N. bdy. of Tp., 15 lks. E. of cor. of secs.
5, 6, 31 and 32, hereinbefore described.

Thence

S. 0° 9' E. on a true line bet. secs. 5 and 6.

Over gently rolling land, through scattering timber and
undergrowth.

Along general E. slope.

40.11

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

$$S \ 6 \frac{1}{4} \ S \ 5 \\ 1917$$

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

80.11

The cor. of secs. 5, 6, 7 and 8.

Land, gently rolling.

Soil, 2nd rate.

Timber, cedar.

Undergrowth, algerita.

Grass.

GENERAL DESCRIPTION.

In the E. tier of sections the land is very rocky. The soil is poor except in the bottoms of the draws where it consists of a rich sandy loam and adobe. This section is covered with scattering cedar and good native grass.

The drainage is to the NE.

From the first tier to the fourth, the country is practically clear of timber and is covered with good native grass and small brush. The land slopes both W. and E. from the 1st and 4th tier to the 3rd tier, which runs on up through a wide bottom for 5 miles into basin and thence northward. The last section to the N. consists of ridges and draws. The general drainage for this portion is toward the N. The soil in the bottom is red sandy loam, 1st rate, while that on the E. and W. slopes is good though rather gravelly after a depth of 4 or 5 ins.

From the fourth tier to the W. bdy. the country is rolling and covered with fairly thick timber in the N. portion and scattering timber in the S. The soil is

Chains

rocky and shallow, except in the draw bottoms where it is red sandy loam, 1st rate. The drainage in this portion of the Tp., is to the NE.

--00--

Boundaries of T. 31 N., R. 5 W.

Latitudes, departures and closing errors.

| Line designated. | True bearing. | Dist. | Latitudes. | | Departures. | |
|--------------------|---------------|--------|------------|--------|-------------|--------|
| | | | N. | S. | E. | W. |
| South Boundary | S.89°51'W. | 478.69 | chs. | chs. | chs. | chs. |
| West Boundary | North. | 480.00 | 480.00 | | | |
| North Boundary | N.89°50'E. | 477.56 | 1.40 | | 477.56 | |
| East Boundary | South | 480.00 | | 480.00 | | |
| Convergency | | | | | .53 | |
| Totals | | | 481.40 | 481.26 | 478.09 | 478.69 |
| Error in latitude | | | 481.26 | | | 478.09 |
| Error in departure | | | | .14 | | .60 |

Retracement of a Portion of the East Boundary of the Hualpai Indian Reservation

Chains.

I begin at the 109 M. cor., on the East Boundary of the Hualpai Indian Reservation, which is a limestone, described in Book "H".

Thence
 North on retracement, along E. Boundary of Reservation. Over gently rolling land, through scattering timber.

12.20 Draw, course N.70°E.

40.17 Fall 3 lks. W. of the 109½ M. cor., which is a limestone, 6 X 4 X 8 ins. above ground, firmly set, marked and witnessed as described by the Surveyor-General. I scribe the following bearing trees:

A cedar, 6 ins. diam., brs. S.27°W.,
 294 lks. dist., marked HIR 109½M BT.

A cedar, 6 ins. diam., brs. S.78½°W.,
 226 lks. dist., marked HIR 109½M BT.

The true course and distance of this half mile is therefore N.0°3'E., 40.17 chs.

From the 109½ M. cor.,
 North on retracement.

40.14 Fall 2 lks. E. of the 110 M. cor., which is a limestone, 14 X 14 X 3 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.0°2'W., 40.14 chs.

Land, gently rolling.
 Soil, sandy clay, limestone formation, 2nd rate.
 Timber, scattering cedar.
 No undergrowth.

From the 110 M. cor.,
 North on retracement, along Reservation Boundary. Over nearly level land, through scattering timber.

40.14 Fall 2 lks. W. of the 110½ M. cor., which is a limestone, 8 X 10 X 3 ins. above ground, firmly set, marked and witnessed as described by the Surveyor-General. I scribe the following bearing tree:

A cedar, 16 ins. diam., brs. S.75½°W.,
 328 lks. dist., marked HIR 110½M BT.

The true course and distance of this half mile are therefore N.0°2'E., 40.14 chs.

From the 110½M. cor.,
 North on retracement.

40.15 Fall 5 lks. E. of the 111 M. cor., which is a limestone, 12 X 6 X 12 ins. above ground, firmly set, marked and witnessed as described by the Surveyor-General. I scribe the following bearing tree:

A cedar, 10 ins. diam., brs. N.84¼°W.,
 69 lks. dist., marked HIR 111M BT.

The true course and distance of this half mile are therefore N.0°4'W., 40.15 chs.

Land, nearly level.
 Soil, sandy clay, limestone formation, 2nd rate.
 Timber, scattering cedar.
 Undergrowth, none.

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Retracement of a Portion of the East Boundary of the Hualpai Indian Reservation.

Chains.

40.12 From the 111 M. cor.,
North on retracement, along Boundary of Reservation.
Over nearly level land, through scattering timber.
Fall 8 lks. W. of the 111½ M. cor., which is a limestone,
5 X 8 X 5 ins. above ground, marked and witnessed as
described by the Surveyor-General.

The true course and distance of this half mile are there-
fore N.0°7'E., 40.12 chs.

5.00 From the 111½ M. cor.,
North on retracement.
10.00 Draw, course S.50°E.
Asc. gradual S. and SW. slope.
40.12 Intersect the 112 M. cor., a limestone, 14 X 12 X 6 ins.
above ground, firmly set, marked and witnessed as de-
scribed by the Surveyor-General. I scribe the follow-
ing bearing trees:

A cedar, 8 ins. diam., brs. S.17°W., 480 lks.
dist., marked HIR 112M BT.
A cedar, 6 ins. diam., brs. N.9°W., 217 lks.
dist., marked HIR 112M BT.

The true course and distance of this half mile are there-
fore North 40.12 chs.

Land, nearly level.
Soil, sandy clay, stony, limestone formation, 2nd rate.
Timber, scattering cedar.
No undergrowth.

40.14 From the 112 M. cor.,
North on retracement, along Boundary of Reservation.
Over nearly level land, through scattering timber.
Desc. gradual N. and NE. slope.
Fall 8 lks. W. of the 112½ M. cor., which is a limestone,
6 X 8 X 3 ins. above ground, firmly set, marked and
witnessed as described by the Surveyor-General. I
scribe the following bearing trees:

A cedar, 8 ins. diam., brs. N.54°W., 131 lks.
dist., marked HIR 112½M BT.
A cedar, 20 ins. diam., brs. N.77½°W., 493 lks.
dist., marked HIR 112½M BT.

The true course and distance of this half mile are there-
fore N.0°7'E., 40.14 chs.

40.13 From the 112½ M. cor.,
North on retracement.
Fall 8 lks. W. of the 113 M. cor., which is a limestone,
8 X 10 X 3 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.0°7'E., 40.13 chs.

Land, nearly level.
Soil, sandy clay, stony, limestone formation, 2nd rate.
Timber, scattering cedar.
No undergrowth.

Retracement of a Portion of the East Boundary of The Hualpai Indian Reservation.

Chains.

- From the 113 M. cor.,
North on retracement, along Boundary of Reservation.
Over nearly level land, through scattering timber.
Over gradual E. slope.
- 40.11 Fall 3 lks. E. of the 113½ M. cor., which is a limestone,
6 X 4 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.0°3'W., 40.11 chs.
- From the 113½ M. cor.,
North on retracement.
- 10.00 Asc. gradual S. slope.
- 40.12 Fall 3 lks. W. of the 114 M. cor., which is a quartz, 6 X
8 X 14 ins. above ground, firmly set, marked and witness-
ed as described by the Surveyor-General.
- The true course and distance of this half mile are there-
fore N.0°3'E., 40.12 chs.
- Land, nearly level.
Soil, sandy clay, stony, limestone formation, 2nd rate.
Timber, scattering timber.
No undergrowth.
-
- From the 114 M. cor.,
North on retracement, along Boundary of Reservation.
Over rolling land, through scattering timber.
- 25.00 Head of draw, course W.
- 40.14 Fall 5 lks. E. of the 114½ M. cor., which is a limestone,
8 X 10 X 7 ins. above ground, firmly set, marked and
witnessed as described by the Surveyor-General. I
scribe the following bearing trees:
- A cedar, 6 ins. diam., brs. S.23½°W.,
341 lks. dist., marked HIR 114½M BT.
- The true course and distance of this half mile are there-
fore N.0°4'W., 40.14 chs.
- From the 114½ M. cor.,
North on retracement,
- 35.00 Draw, course N.20°E.
- 40.14 Fall 5 lks. E. of the 115 M. cor., which is a limestone,
12 X 14 X 4 ins. above ground, firmly set, marked and
witnessed as described by the Surveyor-General. I
scribe the following bearing trees:
- A cedar, 14 ins. diam., brs. S.67°W.,
67 lks. dist., marked HIR 115M BT.
A cedar, 12 ins. diam., brs. N.48½°W.,
109 lks. dist., marked HIR 115M BT.
- The true course and distance of this halfmile are there-
fore N.0°4'W., 40.14 chs.
- Land, rolling.
Soil, sandy clay, stony, limestone formation, 2nd rate.
Timber, scattering cedar.
Undergrowth, none.

50. Frac'l Subdivision of T. 31 N., R. 6 W.

Chains.

From the cor. of secs. 25, 30, 31 and 36, W. bdy. of T. 31 N., R. 5 W., hereinbefore described, West bet. secs. 25 and 36.

Over gently rolling land, through scattering timber and undergrowth.

1.80 Draw, course S.10°W.

Asc. gradual E. slope.

34.65 Intersect E. bdy. of Hualpai Indian Reservation, 19.51 chs. N.0°2'W. of the 109½ M cor., which is a limestone, hereinbefore described.

At the point of intersection,

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

| | | |
|-----|------|----|
| | T31N | |
| | S25 | |
| HIR | S36 | CC |
| | R6W | |
| | 1917 | |

from which

A dead cedar, 4 ins diam., brs. N.78°E.,
57 lks. dist., marked T31N R6W S25 CC BT.

A dead cedar, 4 ins diam., brs. S.81°E.,
13 lks. dist., marked T31N R6W S36 CC BT.

Land, gently rolling.

Soil, sandy clay, limestone formation, 2nd rate.

Timber, scattering cedar.

Undergrowth, sagebrush and algerita.

Grass.

From the cor. of secs. 19, 24, 25 and 30, W. bdy. of T. 31 N., R. 5 W., hereinbefore described,

West bet. secs. 24 and 25.

Over gently rolling land, through scattering timber.

Asc. gradual slope.

8.00 Spur, slopes N. Desc. gradual slope to

21.80 Draw, course N.10°E.

34.68 Intersect E. bdy. of Hualpai Indian Reservation, 19.13 chs. N.0°4'W. of the 110½ M. cor., which is a limestone, hereinbefore described.

At the point of intersection,

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for closing cor. of secs. 24 and 25, marked on brass cap

| | | |
|-----|------|----|
| | T31N | |
| | S24 | |
| HIR | S25 | CC |
| | R6W | |
| | 1917 | |

from which

A cedar, 12 ins. diam., brs. N.41½°E.,
500 lks. dist., marked T31N R6W S24 CC BT.

A cedar, 6 ins. diam., brs. S.51½°E.,
175 lks. dist., marked T31N R6W S25 CC BT.

Land, gently rolling.

Soil, sandy clay, stony, limestone formation, 2nd rate.

Timber, scattering cedar.

Undergrowth, algerita and sagebrush.

Grass.

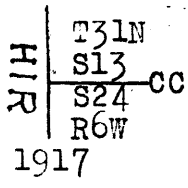
From the cor. of secs. 13, 18, 19 and 24, W. bdy. of T. 31 N., R. 5 W., hereinbefore described,

West bet. secs. 13 and 24.

Over gently rolling land, through scattering timber and

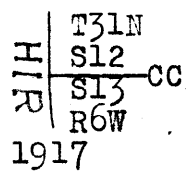
Chains.

undergrowth.
 Desc. gradual SW. slope.
 2.50 Draw, course S.20°W.
 28.10 Draw, course S.
 34.60 Intersect E. bdy. of Hualpai Indian Reservation, 21.15 chs.
 South of the 112 M. cor., which is a limestone, here-
 inbefore described.
 At the point of intersection,
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for closing cor. of secs. 13 and 24, marked on
 brass cap



from which
 A cedar, 8 ins. diam., brs. N.87°E.,
 175 lks. dist., marked T31N R6W S13 CC.BT.
 No other trees within limits.
 Dig pits, 24 X 18 X 12 ins., crosswise on each line,
 N. and S., 3 ft., and E. of post, 7 ft. dist.
 Land, gently rolling.
 Soil, sandy clay, limestone formation, 2nd rate.
 Timber, scattering cedar.
 Undergrowth, algerita and sagebrush.
 Grass.

From the cor. of secs. 7, 12, 13 and 18, W. bdy. of T. 31
 N., R. 5 W., hereinbefore described,
 West bet. secs. 12 and 13.
 Over nearly level land, through scattering timber and
 undergrowth.
 22.50 Draw, course N.
 34.43 Intersect E. bdy. of Hualpai Indian Reservation, 21.46 chs.
 S.0°7'W. of the 113 M. cor., which is a limestone,
 hereinbefore described.
 At the point of intersection,
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for closing cor. of secs. 12 and 13, marked on
 brass cap



dig pits, 24 X 18 X 12 ins., crosswise on each line,
 N. and S., 3 ft., and E. of post, 7 ft. dist.
 Land, nearly level.
 Soil, sandy clay, limestone formation, 2nd rate.
 Timber, very scattering cedar.
 Undergrowth, sagebrush and algerita.
 Grass.

From the cor. of secs. 1, 6, 7 and 12, W. bdy. of T. 31
 N., R. 5 W., hereinbefore described,
 West bet. secs. 1 and 12.
 Over nearly level land, through scattering timber and
 undergrowth.
 34.46 Intersect E. bdy. of Hualpai Indian Reservation, 21.70 chs.
 S.0°3'E. of the 114 M. cor., which is a limestone,
 hereinbefore described.
 At the point of intersection,
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the

52. Frac'l. Subdivision of T. 31 N., R. 6 W.

Chains.

ground, for closing cor. of secs. 1 and 12, marked on brass cap

HIR
T31N
S 1
S12 CC
R6W
1917

dig pits, 24 X 18 X 12 ins., crosswise on each line, N. and S., 3 ft., and E. of post, 7 ft. dist.
Land, nearly level.
Soil, sandy clay, limestone formation, 2nd rate.
Timber, scattering cedar.
Undergrowth, algerita and sagebrush.
Grass.

Boundaries of that Part of T. 31 N., R. 6 W., lying outside of the Hualpai Indian Reservation.

Latitudes, departures and closing errors.

| Line designated. | True bearing. | Dist. chs. | Latitudes. | | Departures. | |
|---|---------------|---------------|------------|------------------|----------------|------------|
| | | | N. chs. | S. chs. | E. chs. | W. chs. |
| South Boundary. | West. | 34.68 | | | | 34.68 |
| West Boundary. (Hualpai Indian Reservation) | N.0°3'E. | 60.54 | 60.54 | | .04 | |
| | N.0°2'W. | 40.14 | 40.14 | | | .02 |
| | N.0°2'E. | 40.14 | 40.14 | | .02 | |
| | N.0°4'W. | 40.15 | 40.15 | | | .05 |
| | N.0°7'E. | 40.12 | 40.12 | | .08 | |
| | North. | 40.12 | 40.12 | | | |
| | N.0°7'E. | 80.27 | 80.27 | | .08 | |
| | N.0°3'W. | 40.11 | 40.11 | | | .04 |
| | N.0°3'E. | 40.12 | 40.12 | | .04 | |
| N.0°4'W. | 58.22 | 58.22 | | | .05 | |
| North Boundary. | East. | 34.57 | | | 34.57 | |
| East Boundary. | South. | 480.00 | | 480.00 | | |
| Convergency. | | | | | .07 | |
| Totals. | | | 479.93 | 480.00 479.93 | 34.90 34.84 | 34.84 |
| Error in latitude | | | | .07 | | |
| Error in departure | | | | | .06 | |

GENERAL DESCRIPTION.

The portion of this township lying outside of the Hualpai Indian Reservation is gently rolling land, supporting a very scanty growth of cedar and pinion timber and algerita and sagebrush undergrowth. The soil varies from sandy clay, 1st rate, to rocky limestone formation, 3rd rate. There are no settlers nor improvements, nor is there any water in the township.

Book "I"

Group 53 - e - Arizona.
Township 31 North, Range 5 West.
Township 31 North, Range 6 West.

DATE DIAGRAM.

| | | | | | | | | |
|---|-------|---------|---------|---------|---------|---------|---------|---------|
| EAST BDX. OF HUALPAI INDIAN RESERVATION | 115 M | 1 | 6 | 5 | 4 | 3 | 2 | 1 |
| | 114 M | | 3-31-17 | 3-31-17 | | 3-28-17 | 3-28-17 | 3-23-17 |
| | 113 M | 12 | 7 | 8 | 9 | 10 | 11 | 12 |
| | | | 3-31-17 | 3-30-17 | | 3-28-17 | 3-26-17 | 3-23-17 |
| | 112 M | 13 | 18 | 17 | 16 | 15 | 14 | 13 |
| | | | 3-30-17 | 3-30-17 | | 3-27-17 | 3-26-17 | 3-22-17 |
| | 111 M | 24 | 19 | 20 | 21 | 22 | 23 | 24 |
| | | 3-29-17 | 3-30-17 | | 3-27-17 | 3-26-17 | 3-21-17 | |
| 110 M | 25 | 30 | 29 | 28 | 27 | 26 | 25 | |
| | | 3-29-17 | 3-29-17 | | 3-27-17 | 3-24-17 | 3-21-17 | |
| 109 M | 36 | 31 | 32 | 33 | 34 | 35 | 36 | |
| | | 3-29-17 | | 3-27-17 | | 3-24-17 | 3-21-17 | |

Surveys executed on dates shown on above diagram by Heber P. Purington, U. S. Transitman.

For names and duties of assistants to Heber P. Purington, U. S. Transitman, see Book "A".

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CERTIFICATE OF UNITED STATES TRANSITMAN.

BOOK 3069

I, Heber P. Purington, U.S. Transitman, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Group 53, Arizona, bearing date of the 4th day of March, 1915, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the

Subdivision lines of

TOWNSHIP 31 NORTH, RANGE 5 WEST,

of the Gila and Salt

River Base & Meridian, in the State of Arizona, and by diagram on reverse hereof the foregoing field notes as having been executed by me, and under my direction; and that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for Group 53, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Heber P. Purington 1-11-18 U.S. Transitman.

APPROVAL

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

, 191

The foregoing field notes of the survey of

executed by

under his special instructions dated , 191 , having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in , has been correctly copied from the original notes on file in this office.

U. S. Surveyor General.

Book "I"

Group 53 - - - Arizona.

Township 31 North, Range 5 West.

Township 31 North, Range 6 West.

DATE DIAGRAM.

| | | TOWNSHIP. | | | | COUNTY. | | | |
|---|---------|-----------|---------|---------|---------|---------|---------|---------|----|
| EAST BDY. OF HUALPAY INDIAN RESERVATION | 115 M | 3-23-17 | 3-23-17 | 3-23-17 | 3-22-17 | 3-22-17 | 3-22-17 | 3-22-17 | |
| | 1 | 3-23-17 | 6 | 5 | 3-29-17 | 4 | 3 | 2 | 1 |
| | 114 M | 26-17 | | | 3-29-17 | | | | |
| | 12 | 3-23-17 | 7 | 8 | 3-28-17 | 9 | 10 | 11 | 12 |
| | 113 M | 26-17 | | | 3-28-17 | | | | |
| | 13 | 3-23-17 | 18 | 17 | 3-28-17 | 16 | 15 | 14 | 13 |
| | 112 M | 24-17 | | | 3-28-17 | | | | |
| | 24 | 3-23-17 | 19 | 20 | 3-28-17 | 21 | 22 | 23 | 24 |
| | 111 M | 24-17 | | | 3-28-17 | | | | |
| | 25 | 3-19-17 | 30 | 29 | 3-28-17 | 28 | 27 | 26 | 25 |
| 110 M | 24-17 | | | 3-28-17 | | | | | |
| 36 | 3-19-17 | 31 | 32 | 3-28-17 | 33 | 34 | 35 | 36 | |
| 109 M | 24-17 | | | 3-28-17 | | | | | |
| 310-17 | 3-13-17 | 3-13-17 | 3-13-17 | 3-13-17 | 3-13-17 | 3-13-17 | 3-13-17 | 3-13-17 | |

6-2764

Resurveys and surveys executed on dates shown on above diagram by W. H. Thorn, U. S. Surveyor.

For names and duties of assistants to W. H. Thorn, U. S. Surveyor, see Book "F".

CERTIFICATE OF UNITED STATES SURVEYOR.

I, W. H. Thorn, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Group 53, Arizona, bearing date of the 4th day of March, 1915, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, re-surveyed all those parts or portions of the East boundary, and Surveyed all those parts or portions of the North and West Boundaries and Subdivision lines of Township 31 North, Range 5 West, and fracl. North boundary and fracl. Subdivision lines of Township 31 North, Range 6 West, and retracement of a portion of the East Boundary of the Hualpai Indian Reservation of the Gila and Salt River Base & Meridian, in the State of Arizona, and by diagram on reverse hereof the foregoing field notes as having been executed by me, and under my direction; and that all the corners of said retracement, resurvey & survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for Group 53, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such retracement, resurvey and survey.

W. H. Thorn

U. S. Surveyor.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, October 25, 1918

re-

The foregoing field notes of the survey of the East boundary, and Survey of North and West boundaries, and Subdivision lines of TOWNSHIP 31 NORTH, RANGE 5 WEST, and Fracl. North boundary, and fracl. Subdivision lines of TOWNSHIP 31 NORTH, RANGE 6 WEST, and retracement of a portion of the East Boundary of the Hualpai Indian Reservation of the Gila and Salt River Base and Meridian, in the State of Arizona,

executed by W. H. Thorn, U. S. Surveyor & Heber P. Purington, U. S. Transitman, under his special instructions dated March 4, 1915, for Group 53, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank A. Brock

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.