

3256

Book "O"

4-679

BOOK 3256

(Subdivisions)

121

1

FIELD NOTES

RETRACEMENT
OF THE ~~SURVEY OF THE~~ OF

Part of the boundary of the HUALPAI INDIAN RESERVATION, within

TOWNSHIP 28 NORTH, RANGE 15 WEST,

of the SURVEY of the

Subdivision lines of that part of

TOWNSHIP 28 NORTH, RANGE 15 WEST,

situated outside the Bdy. of the HUALPAI INDIAN RESERVATION,

and of the survey of

All of the Subdivision lines of

TOWNSHIP 28 NORTH, RANGE 16 WEST

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

E. J. Lange, U. S. Surveyor, (H. I. R. bdy.)

S. Frank Walters, U. S. Transitman, (Subs. Ts. 28 N., Rs. 15 & 16 W.)

James C. Hooper, U. S. Transitman, (Subs. Ts. 28 N., Rs. 15 & 16 W. & H. I. R. bdy.)

~~In the capacity of U. S. Surveyor~~, under instructions dated January 7, 1915,

issued by the United States Surveyor General to govern surveys included in
Group No. 45, which were approved by the Commissioner of the General Land

Office, January 26, 1915.

Retracement & Surveys commenced May 17, 1916.

Retracement & Surveys completed June 9, 1917.

Executed under Assignment
Instructions dated Dec. 10, 1915 and Dec. 7, 1916.

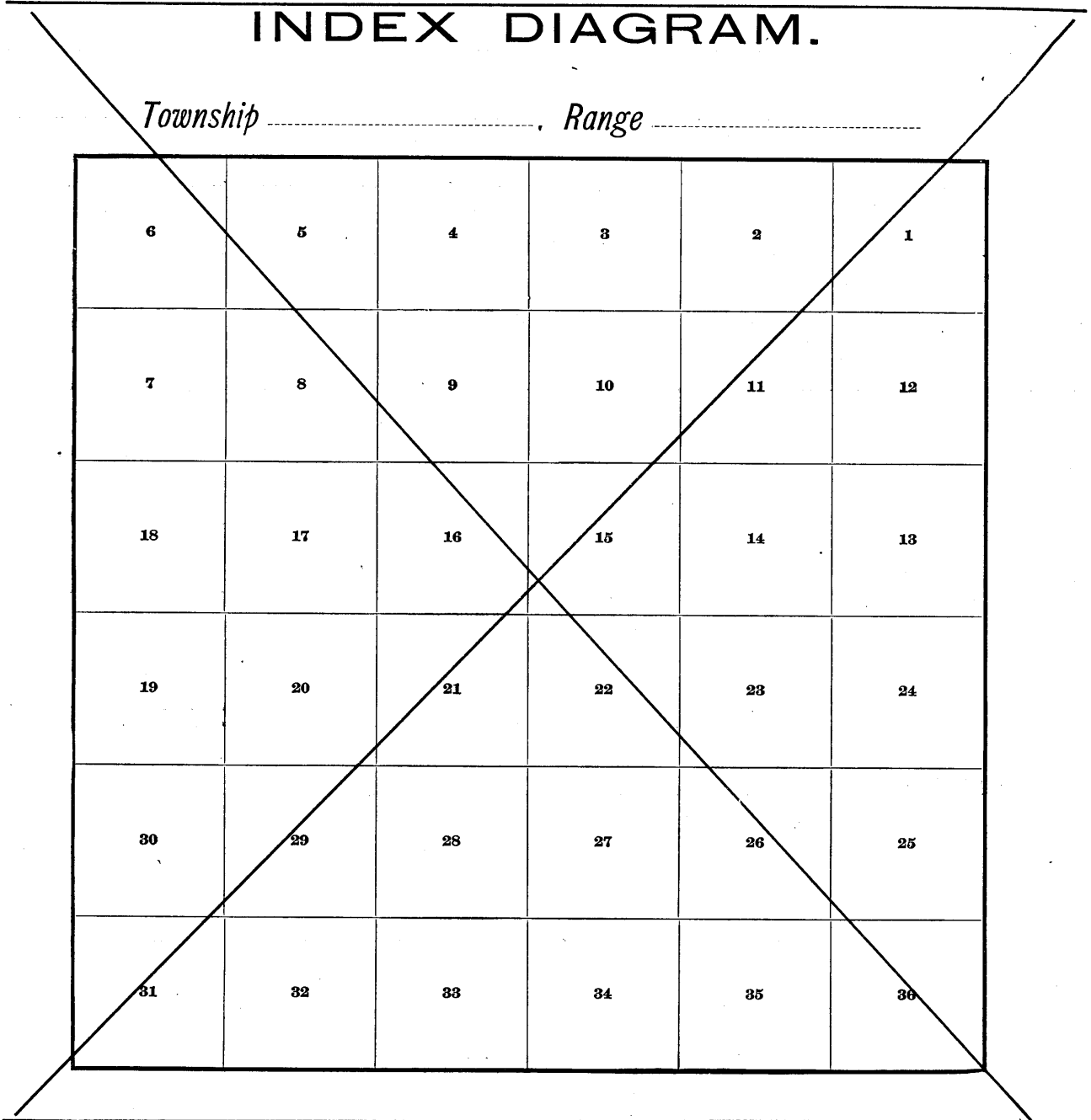
3256

3256

Book "O"

Group 45 - - - - Arizona.

SEE SPECIAL INDEX DIAGRAM.



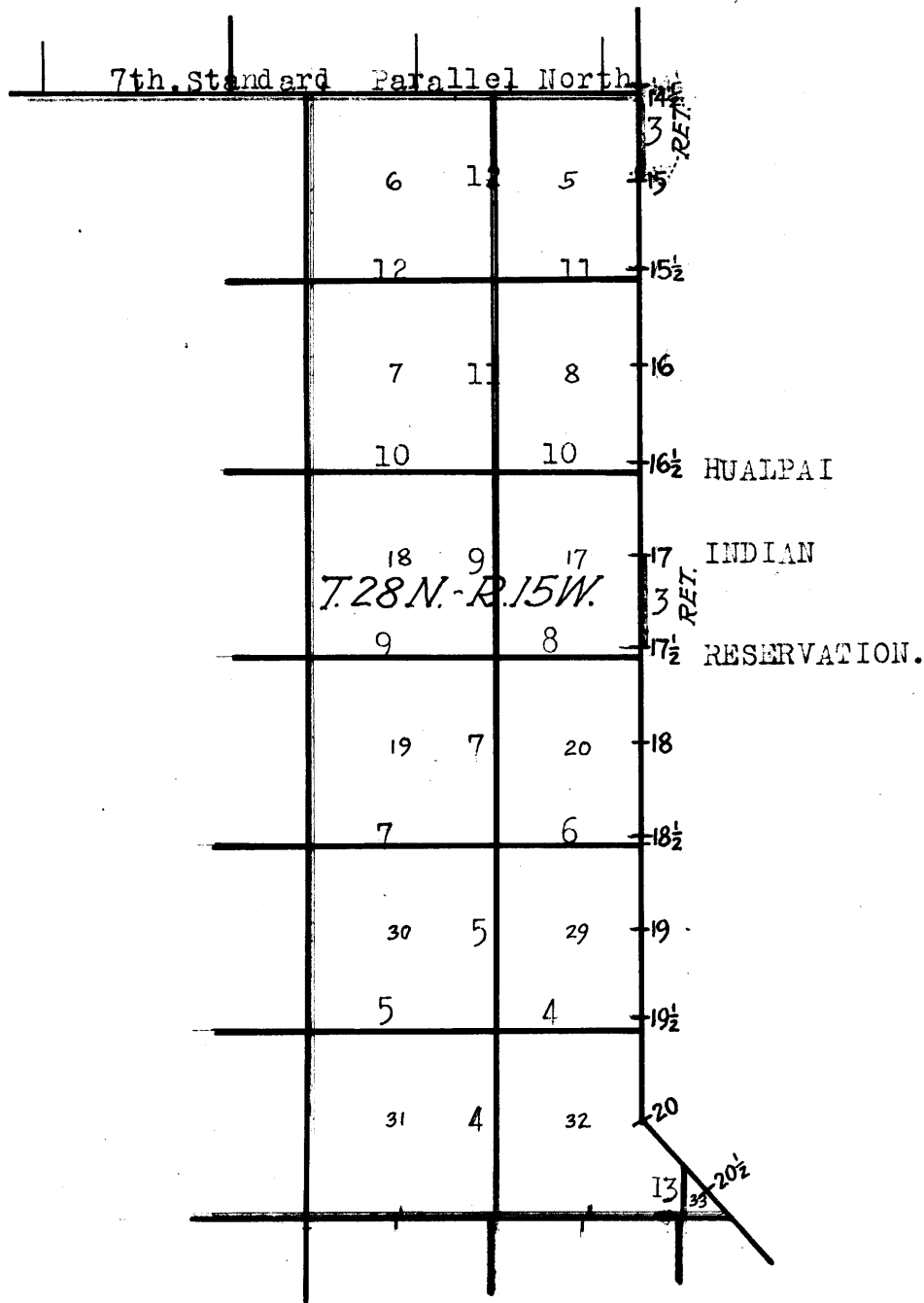
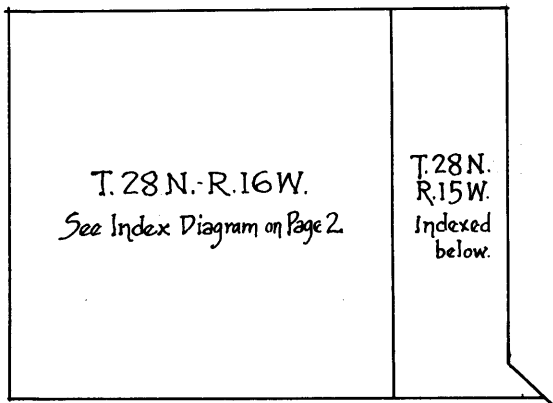
BOOK 3256

Book "O"

Group 45 - - - Arizona.

SPECIAL INDEX DIAGRAM.

PART I.



Subdivision lines surveyed under this Group.

Township boundaries surveyed under this Group.
Notes in Book "A"

Standard lines surveyed under this Group.
Notes in Book "A."

Hualpai Indian Reservation ^{bdy.} retraced.
Notes in this Book.

Accepted surveys.

Book "O"

Group 45 - - - Arizona.

SPECIAL INDEX DIAGRAM.

PART II.

BOOK 3256

		7th.		Standard		Parallel		North.			
6	49	5	40	4	33	3	27	2	20	1	
48		48		39		33		26		20	
7	47	8	39	9	32	10	26	11	19	12	
47		46		38		31		25		19	
18	46	17	38	16	31	15	24	14	18	13	
45		44		37		30		24		18	
19	44	20	36	21	30	22	23	23	17	24	
43		43		36		29		23		16	
30	42	29	35	28	28	27	22	26	16	25	
41		41		35		28		21		15	
31	41	32	34	33	27	34	21	35	15	36	

T.28N. R.16W.

- Subdivision lines surveyed under this group.
- Township boundaries surveyed under this group.
Notes in Book "A."
- Township bdrs. retraced or resurveyed under this group.
Notes in Book "A."
- Standard lines surveyed under this group.
Notes in Book "A."
- Accepted surveys.

Retracement of part of Hualpai Indian Reservation Boundary, and
Subdivision of part of Township 28 North, Range 15 West.

Chains.

Retracements and surveys hereinafter described, executed by E.J.Lange, U.S. Surveyor, James C. Hooper and S. Frank Walters, U.S. Transitmen, on dates shown on diagrams on pages 251, 253 and 255 hereof, using respectively Young and Sons' light mountain transits Nos. 8524 and 8489, and Buff solar transit No. 9985, hereinbefore described. Recent and repeated tests of these instruments on a meridian established by observations on Polaris at elongation demonstrate that they are in satisfactory adjustment. Initials "E.J.L." "J.C.H." and "S.F.W." are inserted at the beginning and ending of those portions of the notes describing the respective surveys by E.J.Lange, James C. Hooper and S. Frank Walters.

RETRACEMENT: PART OF HUALPAI INDIAN RESERVATION BOUNDARY.

J.C.H.
 From the 17½ mile cor., which is a stone, 8x12x24 ins. above ground, firmly set, marked and witnessed as described by the surveyor general,
 North, on a random line,
 Over rolling land, thru. dense timber and undergrowth. Desc.
 5.00 Wash, 20 lks. wide, course E. Ascend.
 12.39 Ridge, brs. E. and W. Descend gradually.
 33.59 Wash, 10 lks. wide, course E. Ascend.
 39.99 Fall 59 lks. W. of the 17 mile cor., which is a stone, 8x14x20 ins. above ground, firmly set, marked and witnessed as described by the surveyor general.
 The true course and dist. of this half mile is therefore N. 0° 51' E., 39.99 chs.
 Land, rolling.
 Soil, rocky, 4th rate.
 Timber, dense pinon and juniper.
 Undergrowth, scrub oak and sage brush.
 J.C.H.

E.J.L.
 From the 15 mile cor., which is a sandstone, 10x8x3 ins., above ground, firmly set, marked and witnessed, as described by the surveyor general,
 North, on a random line,
 Over rolling land, thru. scattering timber and undergrowth. Descend 120 ft.
 39.89 Fall 33 lks. W. of the 14½ mile cor., which is a sandstone, 16x10x3 ins. above ground, firmly set, marked and witnessed as described by the surveyor general.
 The true course and distance of this half mile is therefore N. 0° 28' E., 39.89 chs.
 Land, rolling.
 Soil, rocky, 3rd and 4th rate.
 Timber, pine and juniper.
 Undergrowth, scrub oak, sage brush and Spanish dagger.
 E.J.L.

4. Subdivision of part of Township 28 North, Range 15 West.

Chains. S.F.W.
 From the cor. of secs. 31 and 32, on the S. bdy. of the Tp.,
 which is an iron post, described in Book "A,"
 N. 0° 1' E., bet. secs. 31 and 32.
 Over rolling land, thru. dense timber and undergrowth.
 Descend 60 ft.
 8.50 Draw, course N. 40° E. Ascend 55 ft.
 17.90 Spur, slopes N. 30° E. Descend 95 ft.
 28.30 Draw, course N. 70° E. Ascend 45 ft.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., in a mound of
 stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$
 S31 | S32
 1917

from which,

A pinon, 6 ins. in diam., brs. N. 10° E., 128 lks.
 dist., marked $\frac{1}{4}$ S 32 B T.
 A pinon, 10 ins. in diam., brs. S. 89 $\frac{1}{4}$ ° W., 140 lks.
 dist., marked $\frac{1}{4}$ S 31 B T.
 53.00 Spur, slopes N. 50° E. Descend 130 ft.
 78.50 Wash, course NE Ascend.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam., in a mound
 of stone, for cor. of secs. 29, 30, 31 and 32, marked on
 brass cap,

T28N R15W
 S30 | S29
 S31 | S32
 1917

from which,

A cedar, 18 ins. in diam., brs. N. 67° E., 85 lks.
 dist., marked T28N R15W S29 BT.
 A cedar, 10 ins. in diam., brs. S. 73 $\frac{3}{4}$ ° E., 16 lks.
 dist., marked T28N R15W S32 B T.
 A cedar, 10 ins. in diam., brs. S. 34 $\frac{1}{2}$ ° W., 36 lks.
 dist., marked T28 N R15W S31 BT.
 A cedar, 8 ins. in diam., brs. N. 18 $\frac{1}{2}$ ° W., 30 lks.
 dist., marked T28N R15W S30 B T.

Land, rolling.

Soil, rocky, 3rd and 4th rate.

Timber, dense cedar and pinon.

Undergrowth, scrub oak, manzanita and sage brush.

East, on a true line, bet. secs. 29 and 32.
 Over rolling land, thru. dense timber and undergrowth.

1.70 Wash, course NE.
 12.80 Draw, course N. Ascend gradually.
 18.80 Low spur, slopes N. 30° E. Descend 35 ft.
 26.00 Draw, course N. Ascend 10 ft.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., in a mound of
 stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 29
 S 32
 1917

from which,

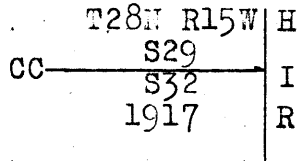
A cedar, 10 ins. in diam., brs. N. 43° W., 89 lks.
 dist., marked $\frac{1}{4}$ S 29 B T.
 A cedar, 8 ins. in diam., brs. S. 7° W., 34 lks.
 dist., marked $\frac{1}{4}$ S 32 B T.

Ascend 25 ft.

50.50 Low spur, slopes N. 30° E. Descend 10 ft.
 52.50 Wash, 10 lks. wide, 1 ft. deep, course N. Thence over
 level land.

Chains
63.62

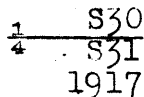
Intersect Hualpai Indian Reservation Boundary, 2.24 chs. S. of the 19 $\frac{1}{2}$ mile cor., which is a limestone, 6 X 15 X 6 ins. above ground, firmly set, marked and witnessed as described by the Surveyor-General.
At the point of intersection, set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground, in a mound of stone, for closing cor. of secs. 29 and 32, marked on brass cap



From which
A cedar, 24 ins. diam., brs. N.80 $\frac{3}{4}$ ° W., 31 lks. dist., marked CC T28N R15W S29 BT.
A cedar, 10 ins. diam., brs. S.13° W., 23 lks. dist., marked CC T28N R15W S32 BT.
Land, rolling and level.
Soil, sandy and rocky, 2nd and 3rd rates.
Timber, cedar and pinion.
Undergrowth, scrub oak, manzanita and sagebrush.

40.00
80.27

From the cor. of secs. 29, 30, 31 and 32,
West on a random line, bet. secs. 30 and 31.
Set temp. $\frac{1}{4}$ sec. cor.
Intersect W. bdy. of Tp., 10 lks. N. of the cor. of secs. 25, 30, 31 and 36, which is an iron post, described in Book "A."
Thence
N.89° 56' E., on a true line, bet. secs. 30 and 31.
Over rolling land, through scattering timber and undergrowth.
Asc. 25 ft.
5.25 Desc. 25 ft.
9.45 Foot of descent, thence over level land. Leave timber, brs. NE. and SW.
11.05 Wash, 15 lks. wide, 4 ft. deep, course N.
12.85 Wash, 10 lks. wide, 3 ft. deep, course N.
18.55 Leave level land, brs. N.30° E. and S.30° W. Enter timber, brs. N.30° E. and S.30° W. Post corral brs. N. 10 chs. dist. Asc. 70 ft.
40.13 $\frac{1}{2}$ Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap



46.45
74.25
77.25
80.27

And raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
46.45 Spur, slopes N.30° E. Desc. 195 ft.
74.25 Draw, course N.40° E. Asc.
77.25 Point of spur, slopes N. Desc. 15 ft.
80.27 The cor. of secs. 29, 30, 31 and 32.
Land, level and rolling.
Soil, rocky and sandy, 2nd and 3rd rates.
Timber, cedar and pinion.
Undergrowth, sagebrush and scrub oak.

2.70
10.50
33.00
40.00

N.0° 1' E., bet. secs. 29 and 30.
Over rolling land, through dense timber and undergrowth.
Desc.
2.70 Draw, course E. Asc. 75 ft.
10.50 Thence along E. slope.
33.00 Desc. 75 ft., through scattering timber.
40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

6

Subdivision of Part of T. 28 N., R. 15 W.

Chains.

S30 | S29
1917

From which
 A cedar, 12 ins. diam., brs. N.2° E., 154 lks. dist., marked $\frac{1}{4}$ S29 BT.
 A pinion, 6 ins. diam., brs. S.52° W., 53 lks. dist., marked $\frac{1}{4}$ S30 BT.
 46.70 Draw, course E. Asc. 20 ft.
 59.00 Low spur, slopes N.50° E. Desc. 15 ft
 62.50 Wash, 10 lks. wide, 1 ft. deep, course S.70° E. Asc. 25 ft.
 67.50 Enter dense timber, brs. S.70° E. and N.70° W.
 72.50 Thence over level land.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground, in a mound of stone, for cor. of secs. 19, 20, 29 and 30, marked on brass cap

T28N R15W
S19 | S20
S30 | S29
1917

From which
 A cedar, 8 ins. diam., brs. N.79° E., 137 lks. dist., marked T28N R15W S20 BT.
 A cedar, 14 ins. diam., brs. S.37 $\frac{1}{2}$ ° E., 207 lks. dist., marked T28N R15W S29 BT.
 A cedar, 20 ins. diam., brs. S.47° W., 111 lks. dist., marked T28N R15W S30 BT.
 A cedar, 15 ins. diam., brs. N.83 $\frac{1}{2}$ ° W., 108 lks. dist., marked T28N R15W S19 BT.
 Land, rolling.
 Soil, rocky and sandy, 2nd and 3rd rates.
 Timber, cedar and pinion.
 Undergrowth, scrub oak and sagebrush.

S.F.W.

J.C.H.

East on a true line, bet. secs. 20 and 29.
 Over level land, through dense timber and undergrowth.
 Asc. gradually.
 10.50 Spur, slopes N. Desc. gradually.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for $\frac{1}{2}$ sec. cor., marked on brass cap

$\frac{1}{4}$ S20
 $\frac{1}{4}$ S29
1917

From which
 A juniper, 4 ins. diam., brs. N.16° E., 51 lks. dist., marked $\frac{1}{4}$ S20 BT.
 A pinion, 4 ins. diam., brs. S.42 $\frac{3}{4}$ ° E., 113 lks. dist., marked $\frac{1}{4}$ S29 BT.
 63.82 Intersect Hualpai Indian Reservation Boundary, 2.20 chs. S. of the 18 $\frac{1}{2}$ mile cor., which is a rock, 4 X 6 X 12 ins. above ground, firmly set, marked and witnessed as described by the Surveyor-General.
 At the point of intersection, set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground, in a mound of stone, for closing cor. of secs. 20 and 29, marked on brass cap

Chains.

	T28N R15W	H
CC	S20	I
	S29	R
	1917	

From which

A pinion, 8 ins. diam., brs. N.56 $\frac{3}{4}$ ° W., 136 lks. dist., marked CC T28N R15W S20 BT.

A pinion, 6 ins. diam., brs. S.71 $\frac{1}{2}$ ° W., 103 lks. dist., marked CC T28N R15W S29 BT.

Land, level.

Soil, rocky, 4th rate.

Timber, pinion and juniper.

Undergrowth, sagebrush and scrub oak.

40.00

80.39

From the cor. of secs. 19, 20, 29 and 30, S.89° 56' W., on a random line, bet. secs. 19 and 30.

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

Intersect W. bdy. of Tp., 11 lks. N. of the cor. of secs. 19, 24, 25 and 30, which is an iron post, described in Book "A."

Thence

N.89° 51' E., on a true line, bet. secs. 19 and 30.

Over level land, through dense timber and undergrowth.

10.00

30.79

40.19 $\frac{1}{2}$

Draw, course NE.

Draw, 1 ch. wide, course NE.

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

$\frac{1}{4}$	S19
	S30
	1917

From which

A juniper, 6 ins. diam., brs. N.68 $\frac{1}{2}$ ° W., 117 lks. dist., marked $\frac{1}{4}$ S19 BT.

A juniper, 15 ins. diam., brs. S.57 $\frac{1}{2}$ ° W., 126 lks. dist., marked $\frac{1}{4}$ S30 BT.

65.29

72.39

80.39

Draw, 6 chs. wide, course NE.

Wash, 20 lks. wide, 1 ft. deep, course NW.

The cor. of secs. 19, 20, 29 and 30.

Land, level.

Soil, rocky, 4th rate.

Timber, dense pinion and juniper.

Undergrowth, scrub oak, sagebrush and manzanita.

J.C.H.

S.F.W.

N.0° 1' E., bet. secs. 19 and 20.

Over rolling land, through dense timber and undergrowth.

Asc. 10 ft.

1.60

10.00

15.70

23.50

25.40

31.00

35.00

Spur, slopes W. Desc. 70 ft.

Enter scattering timber, brs. N.60° E. and S.60° W.

Wash, 15 lks. wide, 1 ft. deep, course E. Asc. 30 ft.

Point of spur, slopes E. Desc. 10 ft.

Wash, course E. Asc. 35 ft.

Spur, slopes E. Desc. 25 ft.

Draw, course E. Enter dense timber, brs. E. and W. Asc. 50 ft.

40.00

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

$\frac{1}{4}$	S19	S20
		1917

From which

A cedar, 14 ins. diam., brs. N.32 $\frac{1}{2}$ ° E., 44 lks. dist.,

Chains.

J.C.H.
44.80
69.58
80.00

marked $\frac{1}{4}$ S20 BT.
A cedar, 18 ins. diam., brs. N.35 $\frac{1}{2}$ ° W., 46 lks. dist.,
marked $\frac{1}{4}$ S19 BT. S.F.W.
Asc. gradually.
Spur, slopes E. Desc. gradually.
Wash, 20 lks. wide, course E.
Set an iron post, 3 ft. long, 2 ins. diam., in a mound of
stone, for cor. of secs. 17, 18, 19 and 20, marked on
brass cap

T28N R15W
S18 | S17
S19 | S20
1917

From which
A pinion, 14 ins. diam., brs. N.45° E., 246 lks. dist.,
marked T28N R15W S17 BT.
A juniper, 16 ins. diam., brs. S.45 $\frac{1}{2}$ ° E., 88 lks. dist.,
marked T28N R15W S20 BT.
A juniper, 12 ins. diam., brs. S.35 $\frac{1}{2}$ ° W., 242 lks. dist.,
marked T28N R15W S19 BT.
A juniper, 10 ins. diam., brs. N.72° W., 89 lks. dist.,
marked T28N R15W S18 BT.
Land, rolling.
Soil, rocky, 4th rate.
Timber, pinion and juniper and cedar.
Undergrowth, scrub oak and sagebrush.

J.C.H.

S.F.W.

17.00
29.30
31.40
36.40
40.00

East on a true line, bet. secs. 17 and 20.
Over rolling land, through dense timber and undergrowth.
Asc. 30 ft.
Low ridge, brs. N.70° W. and S.70° E. Desc. 50 ft.
Leave timber, brs. N. and S.
Draw, course S. Asc. 55 ft.
Enter timber, brs. N. and S.
Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$ S17
 $\frac{1}{4}$ S20
1917

63.50

From which
A pinion, 8 ins. diam., brs. N.9 $\frac{1}{2}$ ° W., 34 lks. dist.,
marked $\frac{1}{4}$ S17 BT.
A pinion, 7 ins. diam., brs. S.47 $\frac{1}{2}$ ° W., 26 lks. dist.,
marked $\frac{1}{4}$ S20 BT.
Cor. stands on spur, slopes N.40° W. Desc. gradually.
Intersect Hualpai Indian Reservation Boundary, 1.84 chs.
S. of the 17 $\frac{1}{2}$ mile cor., which is a stone, hereinbefore
described.
At the point of intersection, set an iron post, 3 ft. long,
2 ins. diam., 22 ins. in the ground, for closing cor.
of secs. 17 and 20, marked on brass cap

T28N R15W | H
CC S17 | I
S20 | H
1917

From which
A cedar, 24 ins. diam., brs. N.80° W., 68 lks. dist.,
marked CC T28N R15W S17 BT.
A cedar, 20 ins. diam., brs. S.28° W., 100 lks. dist.,
marked CC T28N R15W S20 BT.
Land, rolling.
Soil, sandy and rocky, 2nd and 3rd rates.
Timber, pinion and cedar.
Undergrowth, sagebrush and scrub oak.

Subdivision of Part of T. 28 N., R. 15 W.

Chains. From the cor. of secs. 17, 18, 19 and 20,
 S. 89° 51' W., on a random line, bet. secs. 18 and 19.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.26 Intersect W. bdy. of Tp., 2 lks. N. of the cor. of secs.
 13, 18, 19 and 24, which is an iron post, described in
 Book "A."
 Thence
 N. 89° 50' E., on a true line, bet. secs. 18 and 19.
 Over level land, through dense timber and undergrowth.
 13.25 Leave timber, brs. N. and S.
 27.65 Wash, 15 lks. wide, 3 ft. deep, course N. 30° E.
 28.25 Enter timber, brs. N. 30° E. and S. 30° W. Asc. 45 ft.
 40.13 Set an iron post, 3 ft. long, 1 in. diam., in a mound of
 stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$ S18
 $\frac{1}{4}$ S19
 1917

From which
 A pinion, 6 ins. diam., brs. N. 23° W., 91 lks. dist.,
 marked $\frac{1}{4}$ S18 BT.
 A cedar, 14 ins. diam., brs. S. 9 $\frac{1}{4}$ ° E., 59 lks. dist.,
 marked $\frac{1}{4}$ S19 BT.

42.75 Low ridge, brs. NE. and SW. Desc. 75 ft.
 80.26 The cor. of secs. 17, 18, 19 and 20.
 Land, level and rolling.
 Soil, 2nd and 3rd rates.
 Timber, cedar and pinion.
 Undergrowth, sagebrush, scrub oak and manzanita.

S.F.W.

J.C.H.

N. 0° 1' E., bet. secs. 17 and 18.
 Over level land, through dense timber and undergrowth.
 17.20 Wash, 20 lks. wide, 2 ft. deep, course E.
 32.20 Wash, 20 lks. wide, 5 ft. deep, course E.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the
 ground, in a mound of stone, for $\frac{1}{2}$ sec. cor., marked on
 brass cap

$\frac{1}{2}$
 S18 | S17
 1917

From which
 A juniper, 4 ins. diam., brs. N. 81° E., 79 lks. dist.,
 marked $\frac{1}{2}$ S17 BT.
 A juniper, 4 ins. diam., brs. N. 84 $\frac{1}{2}$ ° W., 46 lks. dist.,
 marked $\frac{1}{2}$ S18 BT.

74.50 Wash, 20 lks. wide, course 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. 7, 8, 17
 and 18, marked on brass cap

T28N R15W
 S 7 | S 8
 S18 | S17
 1917

From which
 A juniper, 6 ins. diam., brs. N. 63 $\frac{1}{2}$ ° E., 150 lks. dist.,
 marked T28N R15W S8 BT.
 A juniper, 15 ins. diam., brs. S. 65 $\frac{1}{2}$ ° E., 33 lks. dist.,
 marked T28N R15W S17 BT.
 A pinion, 6 ins. diam., brs. S. 49 $\frac{1}{2}$ ° W., 94 lks. dist.,
 marked T28N R15W S18 BT.
 A juniper, 12 ins. diam., brs. N. 84 $\frac{1}{2}$ ° W., 43 lks. dist.,
 marked T28N R15W S7 BT.

Land, level.
 Soil, rocky, 4th rate.

10

Subdivision of Part of T. 28 N. R. 15 W.

Chains.

Timber, juniper and pinion.
Undergrowth, scrub oak and sagebrush.

3.00 East on a true line, bet. secs. 8 and 17.
 17.60 Over level land, through dense timber and undergrowth.
 32.60 Wash, 20 lks. wide, 2 ft. deep, course SE.
 40.00 Enter valley, 15 chs. wide, course NE.
 Leave Valley, course NE.
 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., marked on brass cap

$\frac{1}{4}$ S 8
 S17
 1917

64.33 From which
 A pinion, 15 ins. diam., brs. N.7 $\frac{1}{2}$ ° W., 74 lks. dist., marked $\frac{1}{4}$ S8 BT.
 A juniper, 18 ins. diam., brs. S.53° E., 53 lks. dist., marked $\frac{1}{4}$ S17BT.
 Intersect Hualpai Indian Reservation Boundary, 2.11 chs. S. of the 16 $\frac{1}{2}$ mile cor., which is a malpais stone, 6 X 16 X 10 ins. above ground, firmly set, marked and witnessed as described by the Surveyor-General.
 At the point of intersection, set an iron post, 3 ft. long, 2 ins. diam., in a mound of stone, for closing cor. of secs. 8 and 17, marked on brass cap

T28N R15W H
 S 8
 CC ——— I
 S17
 1917 R

From which
 A juniper, 12 ins. diam., brs. N.38 $\frac{1}{2}$ ° W., 124 lks. dist., marked CC T28N R15W S8.BT.
 A juniper, 12 ins. diam., brs. S.25 $\frac{1}{2}$ ° W., 135 lks. dist., marked CC T28N R15W S17.BT.
 Land, level.
 Soil, rocky, 4th rate.
 Timber, dense pinion and juniper.
 Undergrowth, scrub oak and sagebrush.

40.00 From the cor. of secs. 7, 8, 17 and 18,
 80.40 S.89° 50' W., on a random line, bet. secs. 7 and 18.
 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect W. bdy. of Tp., 30 lks. S. of the cor. of secs. 7; 12, 13 and 18, which is an iron post, described in Book "A."

14.65 Thence
 22.20 S.89° 57' E., on a true line, bet. secs. 7 and 18.
 40.20 Over rolling land, through dense timber and undergrowth.
 Desc. 90 ft.
 Wash, 10 lks. wide, course NE. Asc. 25 ft.
 Low ridge, brs. NE. and SW. Desc. slightly, on spur, slopes E.
 Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$ S 7
 S18
 1917

From which
 A pinion, 14 ins. diam., brs. N.41 $\frac{1}{2}$ ° E., 100 lks. dist., marked $\frac{1}{4}$ S7 BT.
 A juniper, 8 ins. diam., brs. S.20 $\frac{1}{2}$ ° W., 100 lks. dist., marked $\frac{1}{4}$ S18.BT.

Chains.

52.00 A pinion, 12 ins. diam., brs. S.75¹/₂° W., 52 lks. dist.,
marked ¹/₂S8 BT.
Wash, 20 lks. wide, course SE.
64.73 Intersect Hualpai Indian Reservation Boundary, 2.16 chs.
S. of the 15¹/₂ mile cor., which is a limestone, 4 X 8 X
12 ins. above ground, firmly set, marked and witnessed
as described by the Surveyor-General.
At the point of intersection, set an iron post, 3 ft. long,
2 ins. diam., 8 ins. in the ground, in a mound of stone,
for closing cor. of secs. 5 and 8, marked on brass cap

	T28N R15W	H
	S 5	I
CC	S 8	R
	1917	

From which
A pinion, 10 ins. diam., brs. N.52° W., 183 lks. dist.,
marked CC T28N R15W S5 BT.
A pinion, 15 ins. diam., brs. S.55¹/₂° W., 105 lks. dist.,
marked CC T28N R15W S8 BT.
Land, level.
Soil, rocky, 4th rate.
Timber, juniper and pinion.
Undergrowth, scrub oak and sagebrush.

40.00 From the cor. of secs. 5, 6, 7 and 8,
N.89° 57' W., on a random line, bet. secs. 6 and 7.
Set temp. ¹/₄ sec. cor.
80.11 Intersect W. bdy. of Tp., 11 lks. N. of the cor. of secs.
1, 6, 7 and 12, which is an iron post, described in
Book "A."
Thence,
N.89° 58' E., on a true line, bet. secs. 6 and 7.
Over rolling land, through dense timber and undergrowth.
Asc.
2.45 Ridge, brs. N. and S. Desc.
12.60 Asc. 200 ft.
19.70 Ridge, brs. N. and S. Desc. 40 ft.
28.85 Wash, 20 lks. wide, course N. Asc. 80 ft.
33.70 Spur, slopes N. Desc.
40.05¹/₂ Set an iron post, 3 ft. long, 1 in. diam., in a mound of
stone, for ¹/₄ sec. cor., marked on brass cap

	¹ / ₄ S 6
	S 7
	1917

From which
A juniper, 6 ins. diam., brs. N.47° E., 61 lks. dist.,
marked ¹/₄S6 BT.
A pinion, 4 ins. diam., brs. S.6° E., 56 lks. dist.,
marked ¹/₄S7 BT.
Asc. 175 ft.
48.55 Spur, slopes N. Desc. 40 ft.
56.10 Wash, 10 lks. wide, course N. Asc. 35 ft.
60.95 Ridge, brs. N. and S. Desc. 185 ft.
80.11 The cor. of secs. 5, 6, 7 and 8.
Land, rolling and mountainous.
Soil, rocky, 4th rate.
Timber, dense pinion and juniper.
Undergrowth, scrub oak and manzanita.

3.59 N.0° 1' E., on a true line, bet. secs. 5 and 6.
Over rolling land, through dense timber and undergrowth.
Asc. 15 ft.
Spur, slopes E. Desc. gradually.

Subdivision of Part of T. 28 N., R. 15 W.

Chains.

56.00 Asc. slightly.
 80.40 End of spur, slopes E. Thence over rolling land.
 The cor. of secs. 7, 8, 17 and 18.
 Land, rolling.
 Soil, rocky, 4th rate.
 Timber, dense pinion and juniper.
 Undergrowth, scrub oak.

14.00 N.0° 1' E., bet. secs. 7 and 8.
 20.40 Over nearly level land, through dense timoer and undergrowth.
 40.00 Wash, 30 lks. wide, 2 ft. deep, course E. Asc.
 Ridge, brs. E. and W. Desc. very slightly.
 Set an iron post, 3 ft. long, 1 in. diam., in a mound of
 stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$
 S 7 | S 8
 1917

From which

A pinion, 15 ins. diam., brs. N.60° E., 92 lks. dist., marked $\frac{1}{4}$ S8 BT.

A pinion, 6 ins. diam., brs. N.36° W., 42 lks. dist., marked $\frac{1}{4}$ S7 BT.

56.83 Cor. falls in wash, course E. Asc. 175 ft.
 65.82 Ridge, brs. E. and W. Desc. 80 ft.
 69.81 Wash, 20 lks. wide, course E. Asc. 15 ft.
 76.40 Spur, slopes E. Desc. 45 ft.
 80.00 Wash, course E. Asc. 20 ft.
 Set an iron post, 3 ft. long, 2 ins. diam., 4 ins. in the
 ground, in a mound of stone, for cor. of secs. 5, 6, 7
 and 8, marked on brass cap

T28N R15W
 S 6 | S 5
 S 7 | S 8
 1917

From which

A pinion, 12 ins. diam., brs. N.35° E., 62 lks. dist., marked T28N R15W S5 BT.

A juniper, 6 ins. diam., brs. S.45 $\frac{3}{4}$ ° E., 94 lks. dist., marked T28N R15W S8 BT.

A juniper, 18 ins. diam., brs. S.44 $\frac{1}{2}$ ° W., 112 lks. dist., marked T28N R15W S7 BT.

A pinion, 6 ins. diam., brs. N.78° W., 98 lks. dist., marked T28N R15W S6 BT.

Land, level and rolling.
 Soil, rocky, 4th rate.
 Timber, dense pinion and juniper.
 Undergrowth, sagebrush and scrub oak.

10.50 East on a true line, bet. secs. 5 and 8.
 40.00 Over level land, through dense timber and undergrowth.
 Wash, 20 lks. wide, course SE.
 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

$\frac{1}{4}$ S 5
 S 8
 1917

From which

A pinion, 10 ins. diam., brs. N.9° W., 159 lks. dist., marked $\frac{1}{4}$ S5 BT.

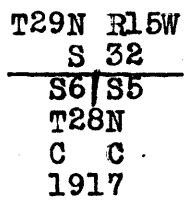
Subdivision of part of Township 28 North, Range 15 West. 13

- 14.99 Wash, 10 lks. wide, course E. Ascend 25 ft.
- 27.50 Thence over level land.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone for 1/4 sec. cor., marked on brass cap.



from which
 A juniper, 4 ins. in diam., brs. N. 22 1/2° E., 31 lks. dist., marked 1/4 S 5 B T.
 A juniper, 4 ins. in diam., brs. N. 61 1/2° W., 33 lks. dist., marked 1/4 S 6 B T.

- Descend 235 ft.
- 62.25 Wash, 20 lks. wide, course NE. Ascend.
- 68.10 Spur, slopes E. Descend 65 ft.
- 71.15 Wash, 50 lks. wide, course NE.
- 80.65 Intersect Seventh Standard Parallel North.
 At the point of intersection, set an iron post, 3 ft. long, 2 ins. in diam., 8 ins. in the ground, in a mound of stone, for closing cor. of secs. 5 and 6, marked on brass cap,

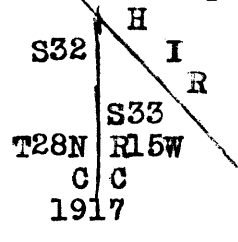


from which,
 A pinon, 6 ins. in diam., brs. S 49° E., 35 lks. dist., marked C C T28N R15W S5 B T.
 A pinon, 6 ins., in diam., brs. S. 41 1/4° W., 40 lks. dist., marked CC T28N R15W S6 B T.

Survey of 7th Standard Parallel North, south of Sec. 32, by J. P. Davis in Jan., 1919, locates the above described closing corner at 7.37 chs. W. of the standard 1/4 section corner of Sec. 32.
 Land, rolling and mountainous.
 Soil, rocky, 4th rate.
 Timber, dense pinon and juniper.
 Undergrowth, scrub oak and sage brush.

J.C.H.

- S.F.W.
- From the cor. of secs. 32 and 33, on the S. bdy. of the Tp., described in Book "A"
 N. 0° 1' E., bet. secs. 32 and 33.
 Over rolling land, thru dense mesquite and pinon timber.
 Descend gradually.
- 7.50 Draw, course N. 70° E. Ascend 70 ft.
- 22.88 Intersect the Hualpai Indian Reservation boundary, 14.75 chs. N. 40° W. of the 20 1/2 mile cor. At point of intersection, set an iron post 3 ft. long, 2 ins. in diam., in a mound of stone for the closing cor. of secs. 32 and 33, marked on brass cap,



from which
 A cedar, 8 ins. in diam., brs. S. 9° 30' E., 75 lks. dist., marked C C T28N R15W, S 33 B T.
 A cedar, 10 ins. in diam., brs. S. 63° W., 78 lks. dist., marked C C T 28 N R 15 W S 32 B T.

14. Subdivision of part of Township 28 North, Range 15 West.

Chains

Land, rolling.

Soil, rocky, 3rd and 4th rate.

Timber, dense cedar and pinon.

Undergrowth, scrub oak, manzanita and sage brush.

• S.F.W.

GENERAL DESCRIPTION.

All the land surveyed in this township lies on a high mesa, and is rolling mountainous, draining to the east and north. It is heavily timbered with scrub juniper and pinon timber, and covered with heavy scrub oak, manzanita and algerita undergrowth. The soil is rocky shale, except in the wide draw, where there is a good quality of sandy clay loam, growing dense mountain sage. There is no grass nor water. There are no settlers.

Chains.

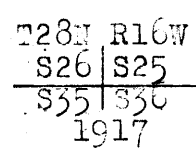
Surveys hereinafter described, executed by S. Frank Walters, and James C. Hooper, U.S. Transitmen, on dates shown on diagrams on pages 53 and 55 hereof, using respectively, Buffsolar transit No. 9985, and Young and Sons' light mountain transit No. 8489, hereinbefore described, and initials "S.F.W." and "J.C.H." are inserted at the beginning and ending of those portions of the notes describing the respective surveys by S. Frank Walters, and James C. Hooper,

S.F.W. From the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp., which is an iron post, described in Book "A" .. N.0° 1' W., bet. secs. 35 and 36. Over mountainous land, through dense timber and undergrowth. Desc. 40 ft. 18.10 Gulch, course S.60° W. Asc. 480 ft. 33.40 Ridge, brs. N.40° W. and S.40° E. Desc. 40 ft. 40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for 1/4 sec. cor., marked on brass cap.



From which A pinion, 8 ins. diam., brs. S.34° E., 13 lks. dist., marked S36 BT. A pinion, 6 ins. diam., brs. N.61° W., 9 lks. dist., marked S35 BT.

42.00 Gulch, course NE. Asc. 45.00 Spur, slopes NE. Desc. 150 ft. 52.00 Gulch, course S.40° E. Asc. 315 ft. 74.00 Top of cliff, brs. N.10° E. and S.10° W. Desc. 225 ft. 80.00 Set an iron post, 3 ft. long, 2 ins. diam., in a mound of stone, for cor. of secs. 25, 26, 35 and 36, marked on brass cap



From which A pinion, 12 ins. diam., brs. S.30 1/2° W., 90 lks. dist., marked T28N R16W S35 BT. A pinion, 10 ins. diam., brs. N.42 1/2° W., 87 lks. dist., marked T28N R16W S26 BT. No other trees within limits. Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. Land, mountainous. Soil, rocky, 4th rate. Timber, pinion and cedar. Undergrowth, scrub oak and manzanita.

East on a random line, bet. secs. 25 and 36. 40.00 Set temp. 1/4 sec. cor. 80.26 Intersect E. bdy. of Tp., 23 lks. N. of the cor. of secs. 25, 30, 31 and 36, which is an iron post, described in Book "A"

Thence N.89° 50' W., on a true line, bet. secs. 25 and 36. Over rolling land, through dense timber and undergrowth. 7.25 Draw, course N.70° E. Asc. 65 ft. 10.25 Leave dense, enter scattering timber, brs. N. and S. 18.25 Point of spur, slopes S. Desc. 40 ft. 26.05 Wash, course S.60° E. Asc. 170 ft. 40.13 Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for 1/4 sec. cor., marked on brass cap

Subdivision of T. 28 N., R. 16 W.

Chains.

$\frac{1}{2}$ S25
 $\frac{1}{2}$ S36
 1917

From which

A cedar, 10 ins. diam., brs. N.87 $\frac{1}{2}$ ° E., 324 lks. dist., marked S25 BT.

A pinion, 5 ins. diam., brs. S.24° 10' E., 60 lks. dist., marked S36 BT.

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

51.45 Desc. 55 ft.

66.25 Gulch, course N.50° E. Asc. 180 ft.

77.95 Desc. 130 ft., over cliff.

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

Land, rolling and mountainous.

Soil, rocky, 4th rate.

Timber, cedar and pinion.

Undergrowth, scrub oak and manzanita.

N.0° 1' W., bet. secs. 25 and 26.

Over mountainous land, through dense timber and undergrowth. Asc. 195 ft.

10.70 Spur, brs. N.30° W. and S.30° E. Thence along E. slope.

29.70 Spur, slopes E. Desc. 320 ft.

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

$\frac{1}{2}$
 S26 | S25
 1917

From which

A pinion, 8 ins. diam., brs. S.34° E., 102 lks. dist., marked S25 BT.

A pinion, 10 ins. diam., brs. N.27 $\frac{1}{2}$ ° W., 106 lks. dist., marked S26 BT.

61.10 Draw, course E. Asc. 90 ft.

72.00 Spur, slopes N.50° E. Desc. 125 ft.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground, in a mound of stone, for cor. of secs. 23, 24, 25 and 26, marked on brass cap

T28N R16W
 S23 | S24
 S26 | S25
 1917

From which

A pinion, 10 ins. diam., brs. N.75 $\frac{1}{2}$ ° E., 16 lks. dist., marked T28N R16W S24 BT.

A pinion, 5 ins. diam., brs. S.29 $\frac{1}{2}$ ° E., 14 lks. dist., marked T28N R16W S25 BT.

A pinion, 14 ins. diam., brs. S.12° W., 33 lks. dist., marked T28N R16W S26 BT.

A cedar, 5 ins. diam., brs. N.15° W., 82 lks. dist., marked T28N R16W S23 BT.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, cedar and pinion.

Undergrowth, scrub oak and manzanita.

S.F.W.

J.C.H.

S.89° 50' E., on a random line, bet. secs. 24 and 25.

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

80.43 Intersect E. bdy. of Tn., 37 lks. S. of the cor. of secs.

Chains.

19, 24, 25 and 30, which is an iron post, described in Book "A".

Thence

S.89° 54' W., on a true line, bet. secs. 24 and 25. Over rolling land, through dense timber and undergrowth. Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for 1/4 sec. cor., marked on brass cap

40.21 1/2

1/4 S24
S25
1917

From which

A pinion, 6 ins. diam., brs. N.89 1/2° W., 74 lks. dist., marked 1/4 S24 BT.

A pinion, 8 ins. diam., brs. S.61° W., 88 lks. dist., marked 1/4 S25 BT.

54.00

Wash, 10 lks. wide, course NE. Asc.

57.90

Ridge, brs. N. and S. Desc.

70.24

Wash, 20 lks. wide, course NE. Asc.

80.43

The cor. of secs. 23, 24, 25 and 26.

Land, rolling.

Soil, rocky, 4th rate.

Timber, dense pinion and juniper.

Undergrowth, sagebrush, scrub oak and manzanita.

J.C.H.

S.F.W.

N.0° 1' W., bet. secs. 23 and 24.

Over gently rolling land, through dense timber and undergrowth.

Desc. 30 ft.

5.00

Wash, 10 lks. wide, 2 ft. deep, course E.

29.00

Draw, course S.50° E. Asc. 230 ft.

40.00

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

1/4 S25
S24
1917

From which

A cedar, 7 ins. diam., brs. S.56 1/2° E., 52 lks. dist., marked 1/4 S24 BT.

A cedar, 6 ins. diam., brs. S.35 1/2° W., 79 lks. dist., marked 1/4 S23 BT.

50.80

Ridge, brs. S.60° E. and N.60° W. Desc. 275 ft.

74.30

Draw, course N.30° E. Asc. 25 ft.

80.00

Set an iron post, 3 ft. long, 2 ins. diam., in a mound of stone, for cor. of secs. 13, 14, 23 and 24, marked on brass cap

T28N R16W
S14 | S13
S23 | S24
1917

From which

A cedar, 6 ins. diam., brs. N.44 1/2° E., 52 lks. dist., marked T28N R16W S13 BT.

A pinion, 8 ins. diam., brs. S.12° E., 60 lks. dist. marked T28N R16W S24 BT.

A cedar, 7 ins. diam., brs. S.64 1/2° W., 24 lks. dist., marked T28N R16W S23 BT.

A pinion, 14 ins. diam., brs. N.21° W., 244 lks. dist. marked T28N R16W S14 BT.

Land, rolling and mountainous.

Soil, rocky, 4th rate.

Timber, cedar and pinion.

Undergrowth, scrub oak, sagebrush and cat claw.

Chains.

40.00 N.89° 54' E., on a random line, bet. secs. 13 and 24.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.34 Intersect E. bdy. of Tp., 35 lks. N. of the cor. of secs.
 13, 18, 19 and 24, which is an iron post, described in
 Book "A"
 Thence
 N.89° 51' W., on a true line, bet. secs. 13 and 24.
 Over level land, through dense timber and undergrowth.
 13.50 Leave timber, brs. N.50° W. and S.50° E.
 25.50 Enter dense timber, brs. N. and S. Asc. gradually.
 40.17 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., marked on
 brass cap

$\frac{1}{4}$ S13
 $\frac{1}{4}$ S24
 1917

From which
 A cedar, 8 ins. diam., brs. N.59 $\frac{1}{2}$ ° E., 63 lks. dist.,
 marked $\frac{1}{4}$ S13 BT.
 A cedar, 12 ins. diam., brs. S.47° W., 174 lks. dist.,
 marked $\frac{1}{4}$ S24 BT.
 Cor. stands on low ridge, brs. N.60° E. and S.60° W. Desc.
 gradually.

65.00 Draw, course NW. Asc. 50 ft.
 72.40 Point of spur, slopes N. Desc. 30 ft.
 76.10 Draw, course NE. Asc. 35 ft.
 80.34 The cor. of secs. 13, 14, 23 and 24.
 Land, rolling and level.
 Soil, rocky and sandy, 2nd and 3rd rates.
 Timber, cedar and pinion.
 Undergrowth, scrub oak and sagebrush.

N.0° 1' W., bet. secs. 13 and 14.
 Over rolling land, through scattering timber and dense
 undergrowth.
 Asc. 30 ft.
 6.50 Spur, slopes E. Desc. 55 ft.
 16.40 Draw, course E. Asc. 210 ft. From this point, post corral
 brs. E. 8 chs. dist.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of
 stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

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

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

59.90 Desc.
 65.00 Draw, course S.50° E. Asc. 150 ft.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., in a mound of
 stone, for cor. of secs. 11, 12, 13 and 14, marked on
 brass cap

T28N R16W
 S11 | S12
 S14 | S13
 1917

From which
 A pinion, 12 ins. diam., brs. N.58 $\frac{1}{2}$ ° E., 35 lks. dist.,
 marked T28N R16W S12 BT.
 A pinion, 14 ins. diam., brs. S.65° E., 88 lks. dist.
 marked T28N R16W S13 BT.
 A pinion, 10 ins. diam., brs. S.55 $\frac{1}{2}$ ° W., 36 lks. dist.,
 marked T28N R16W S14 BT.
 A pinion, 10 ins. diam., brs. N.33° W., 77 lks. dist.,
 marked T28N R16W S11 BT.

Chains.
 Land, rolling.
 Soil, rocky, and gravelly, 3rd rate.
 Timber, scattering pinion and cedar.
 Undergrowth, dense scrub oak and manzanita.
 S.F.W.

J.C.H.
 S. 89° 51' E., on a random line, bet. secs. 12 and 13.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.41 Intersect E. bdy. of Tp., 9 lks. N. of the cor. of secs. 7, 12, 13 and 18, which is an iron post, described in Book "A".
 Thence
 N. 89° 47' W., on a true line, bet. secs. 12 and 13.
 Over rolling land, through scattering timber and undergrowth.
 Desc.
 6.50 Wash, 20 lks. wide, course SW. Asc. 230 ft..
 36.46 Ridge, brs. N. and S. Desc.
 40.20 $\frac{1}{2}$ Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$ S12
 $\frac{1}{4}$ S13
 1917

From which
 A juniper, 4 ins. diam., brs. N. 50° E., 81 lks. dist., marked $\frac{1}{4}$ S12 BT.
 A pinion, 4 ins. diam., brs. S. 64 $\frac{1}{2}$ ° W., 37 lks. dist., marked $\frac{1}{4}$ S13 BT.
 Asc. 210 ft.
 76.79 Ridge, brs. N. and S. Desc.
 80.41 The cor. of secs. 11, 12, 13 and 14.
 Land, rolling.
 Soil, rocky, 4th rate.
 Timber, scattering pinion pine and juniper.
 Undergrowth, sagebrush, scrub oak and manzanita.
 J.C.H.

S.F.W.
 N. 0° 1' W., bet. secs. 11 and 12.
 Over rolling land, through scattering timber and dense undergrowth.
 Asc. 40 ft.
 5.00 Spur, slopes E. Desc. 105 ft.
 19.80 Head of ravine, course N. 50° E. Thence along E. slope.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

S11 | S12
 1917

And raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
 50.00 Spur, slopes N. 20° E. Thence along W. slope.
 65.00 Desc. 105 ft.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., in a mound of stone, for cor. of secs. 1, 2, 11 and 12, marked on brass cap

T28N R16W
 S 2 | S 1
 S11 | S12
 1917

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

Chains.

Soil, rocky, 3rd and 4th rates.
 Timber, scattering pinion and cedar.
 Undergrowth, dense scrub oak and cat claw.

40.00 S. 89° 47' E., on a random line, bet. secs. 1 and 12.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.31 Intersect E. bdy. of Tp., 5 lks. S. of the cor. of secs.
 1, 6, 7 and 12, which is an iron post, described in
 Book "A"
 Thence
 N. 89° 49' W., on a true line, bet. secs. 1 and 12.
 Over mountainous land, through scattering timber and dense
 undergrowth.
 Desc. 165 ft.
 6.20 Ravine, course N. Asc. 145 ft.
 13.90 Spur, slopes N. Desc. 170 ft.
 22.00 Ravine, course N. Asc. 585 ft.
 40.15 $\frac{1}{2}$ Set an iron post., 3 ft. long, 1 in. diam., in a mound of
 stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

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

From which
 A pinion, 12 ins. diam., brs. N. 74 $\frac{1}{2}$ ° W., 60 lks. dist.,
 marked $\frac{1}{4}$ S1 BT.
 A cedar, 7 ins. diam., brs. S. 64° W., 85 lks. dist.,
 marked $\frac{1}{4}$ S12 BT.

56.00 Spur, slopes N. 40° E. Thence along N. slope.
 70.55 Desc. 55 ft.
 78.00 Spur, slopes NW. Continue descent.
 80.31 The cor. of secs. 1, 2, 11 and 12.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, scattering cedar and pinion.
 Undergrowth, dense scrub oak and manzanita.

N. 0° 1' W., on a true line, bet. secs. 1 and 2.
 Over mountainous land, through scattering timber and under-
 growth.

Asc.
 1.30 Spur, slopes NW. Desc. 230 ft.
 11.60 Gulch, course NW. Asc. 80 ft.
 17.50 Rocky point, slopes W. Desc. 235 ft.
 28.50 Ravine, course N. 60° E. Asc. 240 ft.
 35.10 Point of spur, slopes E. Desc. 145 ft.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of
 stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

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

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

41.00 Draw, course E. Asc. 290 ft.
 55.20 Spur, slopes E. Desc. 200 ft.
 61.80 Gulch, course E. Asc. 110 ft.
 67.80 Spur, slopes E. Desc. 115 ft.
 76.40 Gulch, course E. Asc. 110 ft.
 80.72 Intersect Seventh Standard Parallel North, 7.77 chs. W. of
 the standard $\frac{1}{4}$ sec. cor. of sec. 36, T. 29 N., R. 16 W.,
 which is an iron post, described in Book "A"
 At point of intersection, set an iron post, 3 ft. long, 2 ins.
 in diam., 12 ins. in the ground, supported by a mound of
 stone, for closing cor. of secs. 1 and 2, marked on brass
 cap.

Chains.

T29N R16W
 S36
 S 2 | S 1
 T28N
 C C
 1917

From which
 A pinion, 10 ins. diam., brs. S.78° E., 59 lks. dist.,
 marked CC T28N R16W S1 BT.
 A pinion, 6 ins. diam., brs. S.56¼° W., 108 lks. dist.,
 marked CC T28N R16W S2 BT.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, scattering cedar and pinion.
 Undergrowth, dense oak and manzanita.

S.F.W.

J.C.H.

From the cor. of secs. 2, 3, 34 and 35, on the S. bdy. of
 the Tp., which is an iron post, described in Book "A" ..
 N.0° 1' W., bet. secs. 34 and 35.
 Over mountainous land, through scattering undergrowth.
 Desc. 10 ft.

- 0.48 Ravine, course N.70° W. Asc. 275 ft.
- 13.26 Foot of cliff, 180 ft. high, brs. E. and W. Continue asc.
- 17.39 Spur, slopes N.60° W. Enter scattering timber, brs. E. and
 W. Desc. 615 ft.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., on bed rock, in
 a mound of stone, for ¼ sec. cor., marked on brass cap

S34 | S35
 1917

From which
 A juniper, 9 ins. diam., brs. S.52¼° E., 28 lks. dist.,
 marked ¼ S35 BT.
 A pinion, 6 ins. diam., brs. N.88° W., 21 lks. dist.,
 marked ¼ S34 BT.

- 48.87 Draw, course N.60° W. Asc.
- 49.17 Spur, slopes N.60° W. Desc. 535 ft.
- 70.76 Ravine, course S.70° W. Asc. 125 ft.
- 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. 26, 27,
 34 and 35, marked on brass cap

T28N R16W
 S27 | S26
 S34 | S35
 1917

And raise a mound of stone, 2 ft. base, 3 ft. high, W.
 of cor.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, juniper and pinion.
 Undergrowth, scrub oak and manzanita.

J.C.H.

S.F.W.

- 40.00 East on a random line, bet. secs. 26 and 35.
- 80.09 Set temp. ¼ sec. cor.
 Intersect N. and S. line, at the cor. of secs. 25, 26, 35
 and 36,
 Thence
 West on a true line, bet. secs. 26 and 35.
 Over mountainous land, through scattering timber and under-
 growth.

Chains.

- Desc. 610 ft.
- 19.10 Gulch, course N.40° W. Asc. 35 ft.
- 20.80 Desc. 350 ft.
- 36.70 Gulch, course S.80° W. Asc. 55 ft.
- 40.04 $\frac{1}{2}$ Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$ S26
~~S35~~
 1917

From which

A cedar, 8 ins. diam., brs. N.46 $\frac{1}{2}$ ° W., 18 lks. dist., marked $\frac{1}{4}$ S26 BT.

A pinion, 16 ins. diam., brs. S.48 $\frac{1}{2}$ ° E., 81 lks. dist., marked $\frac{1}{4}$ S35 BT.

- 40.10 Spur, slopes S. Desc. 115 ft.
- 43.30 Gulch, course S.40° W. Asc. 50 ft.
- 50.80 Point of spur, slopes S. Desc. 175 ft.
- 59.40 Wash, course S.20° W. Asc. 35 ft.
- 61.40 Spur, slopes S.30° W. Desc. 150 ft.
- 66.10 Gulch, course S.30° W. Continue descent.
- 69.40 Spring with water troughs, brs. S. 6 chs. dist.
- 74.10 Wash, course SW. Asc. 30 ft.
- 80.09 The cor. of secs. 26, 27, 34 and 35.

Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, pinion and cedar.
 Undergrowth, scrub oak and manzanita.

S.F.W.

J.C.H.

N.0° 1' W., bet. secs. 26 and 27.
 Over mountainous land, through scattering undergrowth.
 Asc. 205 ft.

- 11.40 Desc.
- 13.78 Ravine, course S.40° W. Asc. 750 ft.
- 20.95 Enter scattering timber, brs. N.60° W. and S.60° E.
- 31.17 Spur, slopes S.65° W. Desc. 45 ft.
- 38.73 Ravine, course S.65° W. Asc. 145 ft.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., on bed rock, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

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

From which

A pine, 5 ins. diam., brs. S.47 $\frac{1}{2}$ ° E., 80 lks. dist., marked $\frac{1}{4}$ S26 BT.

A juniper, 6 ins. diam., brs. N.59 $\frac{1}{2}$ ° W., 27 lks. dist., marked $\frac{1}{4}$ S27 BT.

- 44.62 Spur, slopes N.70° W. Thence along W. slope.
- 50.40 Asc. 135 ft.
- 58.24 Spur, slopes N.60° W. Desc. 305 ft.
- 78.24 Ravine, course S.60° W. Asc. 40 ft.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground, in a mound of stone, for cor. of secs. 22, 23, 26 and 27, marked on brass cap

T28N R16W
 S22 | S23
~~S27 | S26~~
 1917

From which

A pinion, 5 ins. diam., brs. N.46° E., 58 lks. dist., marked T28N R16W S23 BT.

A pinion, 6 ins diam., brs. S.82 $\frac{1}{2}$ ° E., 60 lks. dist., marked T28N R16W S26 BT.

Subdivision of T. 28 N., R. 16 W.

Chains.

A juniper, 10 ins. diam., brs. S.28 $\frac{1}{2}$ ° W., 102 lks. dist., marked T28N R16W S27 BT.
 A pinion, 20 ins. diam., brs. N.23 $\frac{1}{2}$ ° W., 75 lks. dist., marked T28N R16W S22 BT.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, scattering pinion and juniper.
 Undergrowth, scrub oak and manzanita.

J.C.H.

S.F.W.

40.00
79.96

East on a random line, bet. secs. 23 and 26.
 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line, 7 lks. S. of the cor. of secs. 23, 24, 25 and 26.

Thence
 S.89° 57' W., on a true line, bet. secs. 23 and 26.
 Over mountainous land, through dense timber and undergrowth.

5.00
39.98

Desc. 25 ft.
 Draw, course NE. Asc. 150 ft.
 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$ S23
 $\frac{1}{4}$ S26
 1917

From which

A cedar, 8 ins. diam., brs. N.11 $\frac{1}{2}$ ° W., 109 lks. dist., marked $\frac{1}{4}$ S23 BT.
 A pinion, 10 ins. diam., brs. S.83 $\frac{3}{4}$ ° W., 306 lks. dist., marked $\frac{1}{4}$ S26 BT.

67.10
67.80
79.00
79.96

Wire fence, brs. N. and S.
 Desc. 400 ft.
 Gulch, course SW. Comes from NW.
 The cor. of secs. 22, 23, 26 and 27.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, cedar and pinion.
 Undergrowth, scrub oak and manzanita.

S.F.W.

J.C.H.

1.18
2.18
28.77
32.85
40.00

N.0° 1' W., bet. secs. 22 and 23.
 Over mountainous land, through scattering undergrowth and dense timber.
 Asc. 15 ft.
 Spur, slopes \approx .60° E. Desc. 10 ft.
 Ravine, course S.40° E. Asc. 665 ft.
 Ridge, brs. S.50° W. and N.20° E. Desc.
 Asc. 135 ft.
 Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

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

From which

A pinion, 5 ins. diam., brs. S.49° E., 26 lks. dist., marked $\frac{1}{4}$ S23 BT.
 A pinion, 8 ins. diam., brs. N.75° W., 170 lks. dist., marked $\frac{1}{4}$ S22 BT.

Chains.

44.99 Ridge, brs. N.70° E. and S.70° W. Desc.
 53.45 Asc. 75 ft.
 65.43 Spur, slopes N. Desc. 210 ft.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., in a mound of
 stone, for cor. of secs. 14, 15, 22 and 23, marked on
 brass cap

T28N R16W
S15	S14
 S22 | S23
 1917

From which

A pinion, 8 ins. diam., brs. N.30° E., 107 lks. dist.,
 marked T28N R16W S14 BT.
 A pinion, 6 ins. diam., brs. S.16° E., 44 lks. dist.,
 marked T28N R16W S23 BT.
 A pinion, 12 ins. diam., brs. S.80½° W., 126 lks. dist.,
 marked T28N R16W S22 BT.
 A pinion, 10 ins. diam., brs. N.38° W., 47 lks. dist.,
 marked T28N R16W S15 BT.

Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, juniper and pinion.
 Undergrowth, scrub oak and manzanita.

J.C.H.

S.F.W.

40.00 N.89° 57' E., on a random line, bet. secs. 14 and 23.
 79.84 Set temp. 1/4 sec. cor.
 Intersect N. and S. line, 46 lks. N. of the cor. of secs.
 13, 14, 23 and 24.
 Thence
 N.89° 43' W., on a true line, bet. secs. 14 and 23.
 Over mountainous land, through dense timber and undergrowth.
 Asc. 90 ft.
 8.25 Spur, slopes N. Desc. 40 ft.
 14.25 Draw, course N. Asc. 85 ft.
 25.10 Desc. 30 ft.
 31.05 Draw, course N.50° E. Asc. 190 ft.
 39.92 Set an iron post, 3 ft. long, 1 in. diam., in a mound of
 stone, for 1/4 sec. cor., marked on brass cap

1/4 S14

 1/4 S23
 1917

From which

A pinion, 8 ins. diam., brs. N.22½° E., 34 lks. dist.,
 marked 1/4 S14 BT.
 A pinion, 16 ins. diam., brs. S.55½° W., 46 lks. dist.,
 marked 1/4 S23 BT.

45.05 Spur, slopes N.30° E. Desc. 70 ft.
 72.15 Gulch, course N. Asc. 85 ft.
 76.85 Spur, slopes N. Desc.
 79.84 The cor. of secs. 14, 15, 22 and 23.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, cedar and pinion.
 Undergrowth, scrub oak and manzanita.

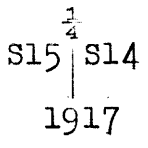
7.20 N.0° 1' W., bet. secs. 14 and 15.
 21.40 Over mountainous land, through dense timber and undergrowth.
 35.00 Desc. 160 ft.
 Gulch, course N. Asc. 170 ft.
 Spur, slopes N. Desc. 110 ft.
 Draw, course N. Asc. 185 ft.

Subdivision of T. 28 N., R. 16 W.

Chains.

40.00

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



From which

A pinion, 10 ins. diam., brs. N. $64\frac{1}{2}^\circ$ E., 148 lks. dist., marked $\frac{1}{4}$ S14 BT.

A pinion, 12 ins. diam., brs. N. 26° W., 97 lks. dist., marked $\frac{1}{4}$ S15 BT.

49.80

Spur, slopes E. Desc. 130 ft.

57.50

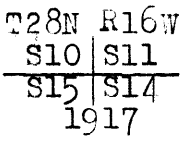
Ravine, course E. Asc. 320 ft.

74.10

Ridge, brs. E. and W. Desc. 225 ft.

80.00

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



From which

A pinion, 8 ins. diam., brs. N. 63° E., 21 lks. dist., marked T28N R16W S11 BT.

A pinion, 10 ins. diam., brs. S. $42\frac{1}{2}^\circ$ E., 50 lks. dist., marked T28N R16W S14 BT.

A pinion, 8 ins. diam., brs. S. 43° W., 25 lks. dist., marked T28N R16W S15 BT.

A pinion, 7 ins. diam., brs. N. $38\frac{1}{2}^\circ$ W., 29 lks. dist., marked T28N R16W S10 BT.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, cedar and pinion.

Undergrowth, scrub oak and manzanita.

40.00

S. $89^\circ 43'$ E., on a random line, bet. secs. 11 and 14.

79.80

Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line, 26 lks. S. of the cor. of secs. 11, 12, 13 and 14.

Thence

N. $89^\circ 54'$ W., on a true line, bet. secs. 11 and 14.

Over mountainous land, through dense timber and undergrowth. Desc. 55 ft.

3.88

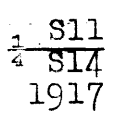
Gulch, course S. 20° E. Asc. 255 ft.

19.70

Spur, slopes S. 30° W. Continue ascent.

39.93

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



From which

A pinion, 8 ins. diam., brs. N. 1° W., 56 lks. dist., marked $\frac{1}{4}$ S11 BT.

A pinion, 12 ins. diam., brs. S. 9° W., 44 lks. dist., marked $\frac{1}{4}$ S14 BT.

Desc. 195 ft.

51.70

Ravine, course S. Asc. 190 ft.

64.40

Ridge, brs. N. 60° E. and S. 60° W. Desc. 75 ft.

69.25

Asc. 70 ft.

75.70

Desc. 60 ft.

79.80

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

Land, mountainous.

Soil, rocky, 4th rate.

Timber, dense pinion and cedar.

Chains.

Undergrowth, scrub oak and manzanita.

- N.0° 1' W., bet. secs. 10 and 11.
Over mountainous land, through dense timber and undergrowth.
Desc. 980 ft.
- 12.00 Spur, slopes N.40° W. Continue descent.
23.60 Pipe line, 250 lks. E. of line, flows N. to corral.
25.60 Wire fence, brs. N.70° E. and S.70° W.
33.00 Wire fence, brs. S.55° E. and N.55° W.
33.80 Corral brs. E. 3 chs. dist.
35.70 Gulch, course N.60° W. Asc. 80 ft.
37.50 Wire fence, brs. E. 2 chs. to corral.
40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of
stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

$$\begin{array}{c} \frac{1}{4} \\ \text{S10} | \text{S11} \\ \hline 1917 \end{array}$$

From which

- A cedar, 6 ins. diam., brs. N.81° E., 32 lks. dist.,
marked $\frac{1}{4}$ S11 BT.
A cedar, 6 ins. diam., brs. N.60° W., 5 lks. dist.,
marked $\frac{1}{4}$ S10 BT.

- 43.50 Spur, slopes W. Desc. 110 ft.
49.75 Gulch, course N.80° W. Asc. 60 ft.
60.70 Desc. 15 ft.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., in a mound of
stone, for cor. of secs. 2, 3, 10 and 11, marked on
brass cap

$$\begin{array}{c} \text{T28N R16W} \\ \text{S 3} | \text{S 2} \\ \hline \text{S10} | \text{S11} \\ \hline 1917 \end{array}$$

From which

- A pinion, 12 ins. diam., brs. N.24° E., 28 lks. dist.,
marked T28N R16W S2 BT.
A pinion, 10 ins. diam., brs. S.30° E., 83 lks. dist.,
marked T28N R16W S11 BT.
A pinion, 8 ins. diam., brs. S.75° W., 61 lks. dist.,
marked T28N R16W S10 BT.
A pinion, 8 ins. diam., brs. N.60° W., 47 lks. dist.,
marked T28N R16W S3 BT.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, dense pinion and cedar.

Undergrowth, scrub oak and manzanita.

- 40.00 S.89° 54' E., on a random line, bet. secs. 2 and 11.
Set temp. $\frac{1}{4}$ sec. cor.
79.65 Intersect N. and S. line, 9 lks. N. of the cor. of secs.
1, 2, 11 and 12.

Thence

- N.89° 50' W., on a true line, bet. secs. 2 and 11.
Over mountainous land, through scattering timber and dense
undergrowth.
Desc. 300 ft.
15.25 Ravine, course N.20° E. Asc. 460 ft.
39.82 $\frac{1}{2}$ Set an iron post, 3 ft. long, 1 in. diam., in a mound of
stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

$$\begin{array}{c} \frac{1}{4} \text{ S 2} \\ \hline \text{S11} \\ \hline 1917 \end{array}$$

Chains.

49.00 And raise a mound of stone, 2 ft. base, 1½ ft. high, N.
of cor.
79.65 Ridge, brs. N. and S. Desc. 770 ft.
The cor. of secs. 2, 3, 10 and 11.
Land, mountainous.
Soil, rocky, 4th rate.
Timber, scattering cedar and pinion.
Undergrowth, scrub oak and manzanita.

29.40 N.0° 1' W., on a true line, bet. secs. 2 and 3.
Over mountainous land, through scattering timber and dense
undergrowth.
Desc. 225 ft.
36.30 Gulch, course W. Asc. 130 ft.
40.00 Spur, slopes W. Desc. 190 ft.
Set an iron post, 3 ft. long, 1 in. diam., in a mound of
stone, for ¼ sec. cor., marked on brass cap

S 3 | S 2
1917

From which
A cedar, 8 ins. diam., brs. S.51½° E., 38 lks. dist.,
marked ¼ S2 BT.
A pinion, 8 ins. diam., brs. S.28½° W., 44 lks. dist.,
marked ¼ S3 BT.
50.90 Gulch, course W. Asc. 45 ft.
54.70 Spur, slopes W. Desc. 40 ft.
63.40 Gulch, course N.70° W. Asc. 105 ft.
80.45 Intersect Seventh Standard Parallel North, 7.76 chs. W.
of the standard ¼ sec. cor. of sec. 35, T. 29 N., R.
16 W., which is an iron post, described in Book "A".
At the point of intersection, set an iron post, 3 ft. long,
2 ins. diam., 12 ins. in the ground, in a mound of
stone, for closing cor. of secs. 2 and 3, marked on
brass cap

T29N R16W
S35
S 3 | S 2
T28N
C C
1917

From which
A cedar, 7 ins. diam., brs. S.37½° E., 95 lks. dist.,
marked CC T28N R16W S2 BT.
A cedar limb, 6 ins. diam., brs. S.27° W., 210 lks.
dist., marked CC T28N R16W S3 BT.
Land, mountainous.
Soil, rocky, 4th rate.
Timber, cedar and pinion.
Undergrowth, scrub oak and manzanita.

S.F.W.

J.C.H.

From the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of
the Tp., which is an iron post, described in Book "A".
N.0° 2' W., bet. secs. 33 and 34.
Over rolling land, through scattering undergrowth.
Desc.
0.80 Wash, 10 lks. wide, 4 ins. deep, course SW. Asc. 25 ft.
5.00 Desc.
13.79 Wash, 30 lks. wide, 2 ft. deep, course SW. Thence over
rolling land.
21.90 Wash, 1 ch. wide, 2 ft. deep, course S.60° W.

Chains.

40.00

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

$\frac{1}{4}$
S33 | S34
1917

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

41.00

Wash, 30 lks. wide, 2 ft. deep, course S.50° W.

49.20

Wash, 50 lks. wide, 3 ft. deep, course S.50° W. Asc. 275 ft.

52.59

Road, brs. NE. and SW.

80.00

Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground, in a mound of stone, for cor. of secs. 27, 28, 33 and 34, marked on brass cap

T28N R16W
S28 | S27
S33 | S34
1917

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

Land, rolling.

Soil, rocky, 4th rate.

Timber, none.

Undergrowth, sagebrush and cat claw.

40.00

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

79.89

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

Intersect N. and S. line, 2 lks. S. of the cor. of secs. 26, 27, 34 and 35.

Thence

S.89° 59' W., on a true line, bet. secs. 27 and 34.

Over rolling land, through scattering undergrowth.

Asc. 15 ft.

1.99

Spur, slopes S. Desc. gradually.

21.59

Ravine, course S. Asc. 185 ft.

29.34

Cabin of old Fielding Ranch, brs. S.67 $\frac{1}{2}$ ° W.

29.89

Spur, slopes S.65° W. Desc. 495 ft.

39.94 $\frac{1}{2}$

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

$\frac{1}{4}$ S27
S34
1917

And raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

52.93

Wash, 1 ch. wide, 3 ft. deep, course S.60° W. Asc. 120 ft.

56.58

Cabin of old Fielding Ranch brs. S.17 $\frac{1}{2}$ ° W. Corral and galvanized iron water tank, 6 chs. N. of cabin.

79.89

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

Land, rolling and mountainous.

Soil, rocky, sandy and gravelly, 4th rate.

Timber, none.

Undergrowth, scrub oak and cat claw.

J.C.H.

S.F.W.

N.0° 2' W., bet. secs. 27 and 28.

Over mountainous land, through scattering undergrowth. Asc. 680 ft.

35.00

Enter scattering timber.

40.00

Set an iron post, 3 ft. long, 1 in. diam., in a mound of

Subdivision of T. 28 N., R. 16 W.

Chains.

stone, for 1/4 sec. cor., marked on brass cap

1/4
S28 | S27
1917

From which

A pinion, 16 ins. diam., brs. N.31° E., 113 lks. dist., marked 1/4 S27 BT.

A pinion, 14 ins. diam., brs. N.39° W., 33 lks. dist., marked 1/4 S28 BT.

45.00 Spur, slopes E. Desc. 135 ft.

51.10 Ravine, course S.50° E. Asc. 720 ft.

63.20 Gulch, course S.30° E. Continue ascent.

68.60 Enter dense timber.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., in a mound of stone, for cor. of secs. 21, 22, 27 and 28, marked on brass cap

T28N R16W
S21 | S22
S28 | S27
1917

From which

A pinion, 6 ins. diam., brs. N.55 1/2° E., 46 lks. dist., marked T28N R16W S22 BT.

A cedar, 8 ins. diam., brs. S.16 1/2° E., 62 lks. dist., marked T28N R16W S27 BT.

A cedar, 8 ins. diam., brs. S.25° W., 155 lks. dist., marked T28N R16W S28 BT.

A pinion, 5 ins. diam., brs. N.18 1/2° W., 107 lks. dist., marked T28N R16W S21 BT.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, cedar and pinion.

Undergrowth, cat claw, scrub oak and manzanita.

40.00 N.89° 59' E., on a random line, bet. secs. 22 and 27. Set temp. 1/4 sec. cor.

79.70 Intersect N. and S. line, 9 lks. S. of the cor. of secs. 22, 23, 26 and 27.

Thence

S.89° 55' W., on a true line, bet. secs. 22 and 27.

Over mountainous land, through dense timber and undergrowth. Asc. 430 ft.

19.80 Spur, slopes S.30° W. Desc. 235 ft.

36.20 Gulch, course S.30° E. Asc. 190 ft.

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

1/4 S22
S27
1917

From which

A cedar, 10 ins. diam., brs. N.33° W., 53 lks. dist., marked 1/4 S22 BT.

A pinion, 10 ins. diam., brs. S.48 1/2° W., 46 lks. dist., marked 1/4 S27 BT.

40.60 Low spur, slopes S. Desc.

45.60 Draw, course S. Asc. 60 ft.

48.50 Low spur, slopes S. Desc.

50.50 Asc. 100 ft.

57.30 Spur, slopes S. Desc. 30 ft.

61.60 Draw, course S. Asc. 30 ft.

65.30 Spur, slopes S. Desc. 25 ft.

70.25 Asc. 35 ft.

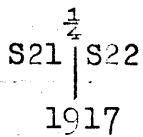
Chains.

75.25 Desc. 20 ft.
 77.20 Wash, course S.70° E. Asc. 75 ft.
 79.70 The cor. of secs. 21, 22, 27 and 28.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, cedar and pinion.
 Undergrowth, scrub oak and manzanita.

S.F.W.

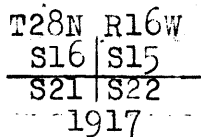
J.C.H.

N.0° 2' W., bet. secs. 21 and 22.
 Over mountainous land, through dense timber and undergrowth.
 Asc. 135 ft.
 10.98 Ridge, brs. N.60° E. and S.60° W. Desc. 55 ft.
 18.83 Draw, course S.60° E. Asc. 320 ft.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the
 ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on
 brass cap



From which

A pinion, 5 ins. diam., brs. S.46° E., 12 lks. dist.,
 marked $\frac{1}{4}$ S22 BT.
 A pinion, 8 ins. diam., brs. N.15 $\frac{1}{4}$ ° W., 60 lks. dist.,
 marked $\frac{1}{4}$ S21 BT.
 56.24 Spur, slopes N.60° W. Desc. 335 ft.
 70.52 Ravine, course N.60° W. Asc. 25 ft.
 75.85 Spur, slopes N.50° W. Desc. 40 ft.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the
 ground, in a mound of stone, for cor. of secs. 15, 16,
 21 and 22, marked on brass cap



From which

A pinion, 18 ins. diam., brs. N.3 $\frac{3}{4}$ ° E., 110 lks. dist.,
 marked T28N R16W S15 BT.
 A pinion, 10 ins. diam., brs. S.24 $\frac{3}{4}$ ° E., 77 lks. dist.,
 marked T28N R16W S22 BT.
 A pinion, 8 ins. diam., brs. S.60 $\frac{1}{2}$ ° W., 27 lks. dist.,
 marked T28N R16W S21 BT.
 A pinion, 8 ins. diam., brs. N.23° W., 96 lks. dist.,
 marked T28N R16W S16 BT.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, juniper and pinion.
 Undergrowth, scrub oak and manzanita.

J.C.H.

S.F.W.

40.00 N.89° 55' E., on a random line, bet. secs. 15 and 22.
 Set temp. $\frac{1}{2}$ sec. cor.
 79.82 Intersect N. and S. line, 11 lks. S. of the cor. of secs.
 14, 15, 22 and 23.
 Thence
 S.89° 50' W., on a true line, bet. secs. 15 and 22.
 Over mountainous land, through dense timber and under-
 growth.
 Desc. 100 ft.
 5.90 Gulch, course N.30° E. Asc. 515 ft.
 25.00 Spur, slopes S.40° E. Continue ascent.
 27.10 Wire fence, brs. N.45° W. and S.45° E.
 30.80 Spur, slopes S. Desc. 120 ft.

Subdivision of T. 28 N., R. 16 W.

Chains.

39.91

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

1/4 S15
S22
1917

From which

A pinion, 6 ins. diam., brs. N.53 1/2° E., 61 lks. dist., marked 1/4 S15 BT.

A pinion, 6 ins. diam., brs. S.2° E., 81 lks. dist., marked 1/4 S22 BT.

45.50

Head of gulch, course S. Asc. 230 ft.

56.00

Thence along S. slope.

66.80

Top of bluff, 200 ft. high, brs. N. and S. Desc. 710 ft.

79.82

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

Land, mountainous.

Soil, rocky, 4th rate.

Timber, cedar and pinion.

Undergrowth, scrub oak and manzanita.

16.70

N.0° 2' W., bet. secs. 15 and 16.

Over mountainous land, through dense timber and undergrowth. Asc. 175 ft.

40.00

Spur, slopes W. Desc. 865 ft.

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

1/4 S16
S15
1917

From which

A pinion, 6 ins. diam., brs. N.33° E., 61 lks. dist., marked 1/4 S15 BT.

A pinion, 8 ins. diam., brs. S.26 1/2° W., 91 lks. dist., marked 1/4 S16 BT.

Desc. on spur, slopes N.

51.00

Point of spur, slopes W. Continue descent.

80.00

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

T28N R16W
S 9 | S10
S16 | S15
1917

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

Land, mountainous.

Soil, rocky, 4th rate.

Timber, pinion and cedar.

Undergrowth, scrub oak and manzanita.

40.00

N.89° 50' E., on a random line, bet. secs. 10 and 15.

Set temp. 1/4 sec. cor.

79.70

Intersect N. and S. line, 30 lks. N. of the cor. of secs. 10, 11, 14 and 15.

Thence

N.89° 57' W., on a true line, bet. secs. 10 and 15.

Over mountainous land, through scattering timber and dense undergrowth.

Desc. 80 ft.

3.15

Asc. 60 ft.

Chains.

6.00 Cliff, brs. NE. and SW. Desc. 480 ft.
 17.00 Gulch, course N. Asc. 75 ft.
 21.70 Spur, slopes N. Desc. 365 ft.
 39.85 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$ S10
 $\frac{1}{4}$ S15
 1917

From which

A pinion, 7 ins. diam., brs. N.34 $\frac{1}{2}$ ° W., 68 lks. dist., marked $\frac{1}{4}$ S10 BT.

A pinion, 6 ins. diam., brs. S.64° W., 30 lks. dist., marked $\frac{1}{4}$ S15 BT.

42.90 Spur, slopes N. Continue descent.
 49.30 Gulch, course N.55° W. Asc. 85 ft.
 54.30 Point of spur, slopes N. Desc. 280 ft.
 61.00 Gulch, course N.20° W. Asc. 45 ft.
 64.90 Spur, slopes N. Desc. 45 ft.
 69.85 Asc. 15 ft.
 72.40 Spur, slopes N. Desc. 95 ft.
 79.50 Gulch, course NW. Asc.

79.70 The cor. of secs. 9, 10, 15 and 16.
 Land, rolling and mountainous.
 Soil, rocky, 4th rate.
 Timber, scattering cedar and pinion.
 Undergrowth, scrub oak.

N.0° 2' W., bet. secs. 9 and 10.
 Over mountainous land, through scattering timber and undergrowth.

Desc.

0.10 Wash, 15 lks. wide, 2 ft. deep, course W. Asc. 120 ft.
 11.80 Ridge, brs. N.40° E. and S.40° W. Desc. 300 ft.
 39.00 Wire fence, brs. N.40° W. and S.40° E.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

S9 | $\frac{1}{4}$ S10
 1917

From which

A willow, 24 ins. diam., brs. N.29 $\frac{1}{2}$ ° W., 62 lks. dist., marked $\frac{1}{4}$ S9 BT.

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

40.50 Iron spring brs. W. 150 lks. dist.
 42.50 Gulch, course N.80° E. Asc. 95 ft.
 47.30 Thence along E. slope.
 55.80 Spur, slopes N.70° E. Desc. 70 ft.
 75.60 Draw, course E. Asc. 85 ft.
 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, marked on brass cap

T28N R16W
 S 4 | S 3
 S 9 | S10
 1917

From which

A cedar, 6 ins. diam., brs. N.60 $\frac{1}{2}$ ° E., 124 lks. dist., marked T28N R16W S3 BT.

A cedar, 6 ins. diam., brs. S.23 $\frac{1}{2}$ ° E., 76 lks. dist., marked T28N R16W S10 BT.

A cedar, 6 ins. diam., brs. S.39° W., 180 lks. dist.,

Subdivision of T. 28 N., R. 16 W.

Chains.

marked T28N R16W S9 BT.
 A cedar, 7 ins. diam., brs. N.21 $\frac{1}{4}$ ° W., 150 lks. dist.,
 marked T28N R16W S4 BT.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, cedar and pinion.
 Undergrowth, scrub oak and mahogany.

40.00 S.89° 57' E., on a random line, bet. secs. 3 and 10.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.83 Intersect N. and S. line, 30 lks. S. of the cor. of secs.
 2, 3, 10 and 11.
 Thence
 S.89° 50' W., on a true line, bet. secs. 3 and 10;
 Over rolling land, through dense timber and undergrowth.
 Desc. 80 ft.
 10.00 Thence over rolling land.
 26.00 Desc. 260 ft.
 37.70 Gulch, course N.20° W. Asc. 20 ft.
 39.91 $\frac{1}{2}$ Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the
 ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on
 brass cap

$\frac{1}{4}$ S 3
 $\frac{1}{4}$ S 10
 1917

From which
 A pinion, 6 ins. diam., brs. N.18° E., 37 lks. dist.,
 marked $\frac{1}{4}$ S3 BT.
 A pinion, 8 ins. diam., brs. South 11 lks. dist.,
 marked $\frac{1}{4}$ S10 BT.
 41.50 Spur, slopes N.20° W. Desc. 85 ft.
 49.90 Enter wash, course N.70° E.
 50.50 Road, brs. NE. and SW.
 52.40 Leave wash, course N.70° E. Asc. 120 ft.
 61.20 Spur, slopes N. Desc. 65 ft.
 69.60 Gulch, course N.65° E. Asc. 45 ft.
 74.55 Desc. 40 ft.
 79.83 The cor. of secs. 3, 4, 9 and 10.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, cedar and pinion.
 Undergrowth, scrub oak and mountain mahogany.

N.0° 2' W., on a true line, bet. secs. 3 and 4.
 Over rolling and mountainous land, through dense timber
 and undergrowth.
 Asc. 25 ft.
 7.50 Spur, slopes E. Desc. 60 ft.
 15.00 Draw, course E. Asc. 35 ft.
 18.00 Spur, slopes E. Desc. 25 ft.
 21.40 Draw, course E. Asc. 130 ft.
 34.70 Spur, slopes E. Desc. 175 ft.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of
 stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

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

From which
 A pinion, 10 ins. diam., brs. S.12° E., 18 lks. dist.,
 marked $\frac{1}{4}$ S3 BT.
 A pinion, 8 ins. diam., brs. N.24° W., 40 lks. dist.,
 marked $\frac{1}{4}$ S4 BT.

Chains.

47.50 Gulch, course E. Asc. 85 ft.
 49.80 Point of spur, slopes E. Desc. 10 ft..
 51.10 Gulch, course S.50° E. Asc. 135 ft.
 62.60 Spur, slopes E. Thence along E. slope.
 64.60 Fenced spring brs. E. 10 chs. dist.
 71.60 Desc. 165 ft.
 80.81 Intersect Seventh Standard Parallel North, 7.72 chs. W.
 of the standard $\frac{1}{4}$ sec. cor. of sec. 34, T. 29 N., R.
 16 W., which is an iron post, described in Book "A"
 At the point of intersection, set an iron post, 3 ft. long,
 2 ins. diam., in a mound of stone, for closing cor. of
 secs. 3 and 4, marked on brass cap

T29N R16W
 S34
 S 41 S 3
 T28N
 C C
 1917

From which
 A pinion, 6 ins. diam., brs. S.51° E., 100 lks. dist..
 marked CC T28N R16W S3 BT.
 A pinion, 7 ins. diam., brs. S.29 $\frac{1}{2}$ ° W., 166 lks. dist..
 marked CC T28N R16W S4 BT.
 Land, mountainous and rolling.
 Soil, rocky, 4th rate.
 Timber, cedar and pinion.
 Undergrowth, cat claw and scrub oak.

From the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of
 the Tp., which is an iron post, described in Book "A" ..
 N.0° 3' W., bet. secs. 32 and 33.
 Over mountainous land, through dense timber and undergrowth.
 Desc. 35 ft.

2.80 Gulch, course S.40° W. Asc. 360 ft.
 16.00 Thence along E. slope.
 20.00 Ridge, brs. N.50° W. and S.50° E. Desc. 85 ft.
 24.80 Draw, course E. Asc. 190 ft.
 32.30 Point of spur, slopes E. Desc. 70 ft.
 39.10 Gulch, course S.60° E. Asc. 550 ft.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

S32 | S33
 1917

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

53.40 Spur, slopes E. Desc. 145 ft.
 65.50 Gulch, course E. Asc. 150 ft.
 72.00 Spur, slopes E. Desc. 75 ft.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., in a mound of
 stone, for cor. of secs. 28, 29, 32 and 33, marked on
 brass cap

T28N R16W
 S29 | S28
 S32 | S33
 1917

From which
 A pinion, 8 ins. diam., brs. S.65° E., 76 lks. dist..
 marked T28N R16W S33 BT.
 A pinion, 10 ins. diam., brs. S.7° W., 90 lks. dist..
 marked T28N R16W S34 BT.

Subdivision of T. 28 N., R. 16 W.

Chains.

A pinion, 8 ins. diam., brs. N.48 $\frac{1}{2}$ ° W., 23 lks. dist., marked T28N R16W S29 BT.
 No other trees within limits. Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, cedar and pinion.
 Undergrowth, scrub oak and cat claw.

S.F.W.

J.C.H.

S.89° 57' E., on a random line, bet. secs. 28 and 33.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.92 Intersect N. and S. line, 14 lks. S. of the cor. of secs. 27, 28, 33 and 34.
 Thence
 S.89° 57' W., on a true line, bet. secs. 28 and 33.
 Over mountainous land, through scattering undergrowth.
 Asc. 15 ft.
 1.68 Spur, slopes S.10° E. Desc. 20 ft.
 2.94 Ravine, course S.10° E. Asc. 210 ft.
 16.20 Spur, slopes S.20° E. Desc. 355 ft.
 39.96 Set an iron post, 3 ft. long, 1 in. diam., on bed rock, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$ S28
 $\frac{1}{4}$ S33
 1917

And raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
 55.51 Wash, 2 chs. wide, 2 ft. deep, course S.20° E. Asc. 730 ft.
 79.92 The cor. of secs. 28, 29, 32 and 33.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, none.
 Undergrowth, scrub oak and cat claw.

J.C.H.

S.F.W.

N.0° 3' W., bet. secs. 28 and 29.
 Over mountainous land, through scattering undergrowth.
 Desc. 290 ft.
 Asc.
 7.55 Point of spur, slopes E. Desc. 215 ft.
 11.60 Post, of slope, brs. N.40° W. and S.40° E. Thence over level land.
 26.00 Wash, 30 lks. wide, 4 ft. deep, course S.30° E.
 36.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for witness cor. to $\frac{1}{4}$ sec. cor., marked on brass cap

W C
 $\frac{1}{4}$
 S29 S28
 1917

And raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
 40.00 Enter wash, 60 lks. wide, 4 ft. deep, course S.20° W.
 46.50 Leave wash, course S. Asc. 160 ft.
 55.20 Thence along W. slope, descending 25 ft.
 59.60 Gulch, course S.40° W. Asc. 350 ft.
 73.80 Spur, slopes S.60° E. Continue ascent.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground, in a mound of stone, for cor. of secs. 20, 21, 28 and 29, marked on brass cap

36

Subdivision of T. 28 N., R. 16 W.

Chains.

T28N R16W	
S20	S21
S29	S28
1917	

And raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
 Land, mountainous.
 Soil, rocky, 4th rate.
 No timber.
 Undergrowth, scrub oak and cat claw.

S.F.W.

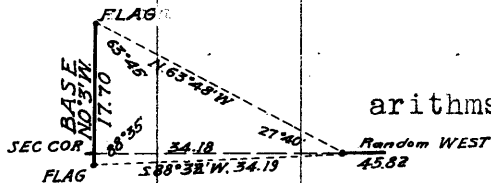
J.C.H.

From the cor. of secs. 21, 22, 27 and 28,
 West on a random line, bet. secs. 21 and 28.
 40.00 Set temp. ¼ sec. cor.
 45.82 From this point, a flag set 83 lks. S.0° 3' E. of the cor.
 of secs. 20, 21, 28 and 29 brs. S.88° 32' W. Also
 flag set 17.70 chs. N.0° 3' W. of this flag brs. N.63° 48' W.
 The distance triangulated is given as follows:

$$\frac{17.70}{\sin. 27^\circ 40'} = \frac{x}{\sin. 63^\circ 45'}$$

arithms,

log. 17.70	=	1.247973
log. sin. 63° 45'	=	9.952731
colog. sin. 27° 40'	=	0.333176



$$1.533880 = \log. 34.19$$

The distance on the random line is given by .99967 x 34.19 chs., or 34.18 chs. The fall is given by 34.19 x sin. 1° 28', or 34.19 x .02560 = .88 chs. - .83 = 5 lks. N. 45.82 + 34.18 = 80.00

80.00 Intersect N. and S. line, 5 lks. N. of the cor. of secs. 20, 21, 28 and 29.

I return to the cor. of secs. 21, 22, 27 and 28.

Thence

S.89° 58' W., on a true line, bet. secs. 21 and 28.

Over mountainous land, through scattering timber and undergrowth.

Asc. 165 ft.

27.21 Divide, brs. N.40° W. and S.40° E. Desc. 210 ft.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., on bed rock,

in a mound of stone, for ¼ sec. cor., marked on brass cap

1	S21
4	S28

1917

From which

A pinion, 4 ins. diam., brs. N.51° E., 44 lks. dist., marked ¼ S21 BT.

A pinion, 9 ins. diam., brs. S.61½° ., 30 lks. dist., marked ¼ S28 BT.

The approximate topography triangulated over is as follows; Desc. 850 ft.

70.00 Draw, course S.20° W. Asc.

80.00 The cor. of secs. 20, 21, 28 and 29.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, pinion and juniper.

Undergrowth, manzanita and scrub oak.

N.0° 3' W., bet. secs. 20 and 21.

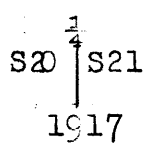
Subdivision of T. 28 N., R. 16 W.

Chains.

Over mountainous land, through scattering timber and undergrowth.

- 18.18 Asc. 750 ft.
- 21.25 Divide, brs. E. and W. Desc. 30 ft.
- 35.60 Three wire fence, brs. E. and W.
- 37.65 Asc. 55 ft.
- 40.00 Spur, slopes W. Desc. 40 ft.

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., marked on brass cap

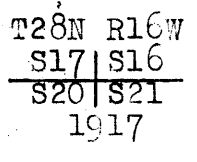


From which

- A pinion, 5 ins. diam., brs. N.20° E., 86 lks. dist., marked $\frac{1}{4}$ S21 BT.
- A pinion, 14 ins. diam., brs. N.57 $\frac{1}{2}$ ° W., 24 lks. dist., marked $\frac{1}{4}$ S20 BT.

- 42.98 Ravine, course W. Asc. 75 ft.
- 53.07 Spur, slopes W. Desc. 30 ft.
- 70.25 Asc.
- 75.25 Spur, slopes W. Desc. 170 ft.

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. 16, 17, 20 and 21, marked on brass cap



From which

- A pinion, 8 ins. diam., brs. N.4 $\frac{1}{2}$ ° E., 107 lks. dist., marked T28N R16W S16 BT.
- A pinion, 9 ins. diam., brs. S.67 $\frac{1}{2}$ ° E., 51 lks. dist., marked T28N R16W S21 BT.
- A pinion, 7 ins. diam., brs. S.54 $\frac{1}{2}$ ° W., 112 lks. dist., marked T28N R16W S20 BT.
- A pinion, 12 ins. diam., brs. N.81° W., 68 lks. dist., marked T28N R16W S17 BT.

Land, mountainous and rolling.
Soil, sandy and rocky, 4th rate.
Timber, scattering juniper and pinion.
Undergrowth, scrub oak.

40.00 N.89° 58' E., on a random line, bet. secs. 16 and 21.
Set temp. $\frac{1}{4}$ sec. cor.

79.98 Intersect N. and S. line, 2 lks. N. of the cor. of secs. 15, 16, 21 and 22.

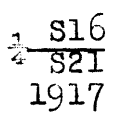
Thence

S.89° 59' W., on a true line, bet. secs. 16 and 21.

Over mountainous land, through scattering timber and undergrowth.

- 11.34 Desc. 275 ft.
- 28.79 Wash, 40 lks. wide, course N. Asc. 165 ft.
- 39.99 Spur, slopes NW. Desc. 290 ft.

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



From which

- A pinion, 8 ins. diam., brs. N.46 $\frac{1}{2}$ ° E., 21 lks. dist., marked $\frac{1}{4}$ S16 BT.

Chains.

A pinion, 15 ins. diam., brs. S.16° E., 17 lks. dist., marked $\frac{1}{2}$ S21 BT.
 44.08 Wash, 30 lks. wide, course N. Asc. 120 ft.
 56.85 Desc.
 57.82 Wash, 30 lks. wide, course N. Asc. 135 ft.
 69.47 Spur, slopes N. Desc. 150 ft.
 79.98 The cor. of secs. 16, 17, 20 and 21.
 Land, rocky, 4th rate.
 Timber, juniper and pinion.
 Soil, rocky, 4th rate.
 Undergrowth, scrub oak and sagebrush.

N.0° 3' W., bet. secs. 16 and 17.
 Over mountainous land, through scattering undergrowth.
 Desc. 420 ft.
 11.12 Foot of slope, brs. E. and W. Thence over level land.
 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

$\frac{1}{4}$
 S17 | S16
 1917

From which
 A juniper, 18 ins. diam., brs. S.81° W., 383 lks. dist., marked $\frac{1}{4}$ S17 BT.
 No other trees within limits. Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
 51.00 Wash, course NE.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 8, 9, 16 and 17, marked on brass cap

T28N R16W
 S 8 | S 9
 S17 | S16
 1917

From which
 A juniper, 14 ins. diam., brs. N.14° E., 155 lks. dist., marked T28N R16W S9 BT.
 A juniper, 8 ins. diam., brs. S.66° E., 42 lks. dist., marked T28N R16W S16 BT.
 A juniper, 20 ins. diam., brs. S.24° W., 73 lks. dist., marked T28N R16W S17 BT.
 A pinion, 8 ins. diam., brs. N.42° W., 226 lks. dist., marked T28N R16W S8 BT.
 Land, level and mountainous.
 Soil, sandy and rocky, 4th rate.
 No timber.
 Undergrowth, scrub oak and sagebrush.

J.C.H.

S.F.W.

N.89° 59' E., on a random line, bet. secs. 9 and 16.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.21 Intersect N. and S. line, 11 lks. N. of the cor. of secs. 9, 10, 15 and 16.
 Thence
 N.89° 56' W., on a true line, bet. secs. 9 and 16.
 Over rolling land, through scattering timber and dense undergrowth.
 Asc. 30 ft.
 5.45 Desc. 70 ft.
 8.70 Draw, course N.20° W. Asc. 15 ft.
 10.40 Desc. 15 ft.
 15.20 Gulch, course N. Asc. 85 ft.
 25.20 Spur, slopes N. Desc. 70 ft.

Subdivision of T. 28 N., R. 16 W.

Chains.

35.20
40.10¹/₂

Thence along N. slope.
Set an iron post, 3 ft. long, 1 in. diam., 24 ins in the ground, for ¹/₄ sec. cor., marked on brass cap

$\frac{1}{4} \begin{array}{l} S 9 \\ S 16 \\ 1917 \end{array}$

And raise a mound of stone, 2 ft. base, 1¹/₂ ft. high, N. of cor.

55.20
61.40
80.21

Desc. 50 ft.
Gulch, course N.30° E. Asc. 55 ft.
The cor. of secs. 8, 9, 16 and 17.
Land, rolling.
Soil, rocky, 4th rate.
Timber, cedar.
Undergrowth, scrub oak.

S.F.W.

J.C.H.

6.60
30.00
40.00

N.0° 3' W., bet. secs. 8 and 9.
Over level land, through scattering timber and undergrowth.
Wash, 50 lks. wide, course NE.
Wash, 50 lks. wide, course SE.
Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground, in a mound of stone, for ¹/₄ sec. cor., marked on brass cap

$\frac{1}{4} \begin{array}{l} S 8 \\ S 9 \\ 1917 \end{array}$

From which

A juniper, 4 ins. diam., brs. S.12¹/₄° E., 54 lks. dist., marked ¹/₄S9 BT.
A juniper, 8 ins. diam., brs. N.52° W., 82 lks. dist., marked ¹/₄S8 BT.

Asc. 180 ft.

58.70
62.40
72.35
80.00

Desc.
Wash, 50 lks. wide, course SE. Asc. 235 ft.
Leave timber, brs. E. and W.
Set an iron post, 3 ft. long, 2 ins. diam., in a mound of stone, for cor. of secs. 4, 5, 8 and 9, marked on brass cap

$\begin{array}{l} T28N R16W \\ S 5 | S 4 \\ \hline S 8 | S 9 \\ 1917 \end{array}$

From which

A pinion, 10 ins. diam., brs. S.80¹/₂° E., 93 lks. dist., marked T28N R16W S9 BT.
A pinion, 10 ins. diam., brs. N.79° W., 197 lks. dist., marked T28N R16W S5 BT.

No other trees within limits. Raise a mound of stone, 2 ft. base, 1¹/₂ ft. high, W. of cor.

Land, level and rolling.
Soil, sandy and rocky, 4th rate.
Timber, pinion and juniper.
Undergrowth, scrub oak and sagebrush.

J.C.H.

S.F.W.

40.00
80.10

S.89° 56' E., on a random line, bet. secs. 4 and 9.
Set temp. ¹/₄ sec. cor.
Intersect N. and S. line, 21 lks. S. of the cor. of secs. 3, 4, 9 and 10.
Thence
S.89° 55' W., on a true line, bet. secs. 4 and 9.
Over mountainous land, through scattering timber and dense

40

Subdivision of T. 28 N., R. 16 W.

Chains.

40.05 undergrowth.
Asc. 1050 ft.
Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

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

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

57.90 Top of ascent; thence along S. slope.

63.60 Desc. 190 ft.

80.10 The cor. of secs. 4, 5, 8 and 9.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, cedar and pinion.

Undergrowth, scrub oak and mountain mahogany.

S.F.W.

J.C.H.

N.0° 3' W., on a true line, bet. secs. 4 and 5.

Over mountainous land, through dense timber and undergrowth.
Asc. 370 ft.

14.22 Ridge, brs. E. and W. Thence over level land.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. diam., in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

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

From which

A juniper, 12 ins. diam., brs. S.11 $\frac{1}{2}$ ° E., 154 lks. dist., marked $\frac{1}{4}$ S4 BT.

A juniper, 10 ins. diam., brs. S.11 $\frac{1}{2}$ ° W., 160 lks. dist., marked $\frac{1}{4}$ S5 BT.

44.40 Desc. 150 ft.

52.80 Wash, 50 lks; wide, course E. Asc. 255 ft.

70.00 Desc. 505 ft.

80.93 Intersect Seventh Standard Parallel North, 7.74 chs. W. of the standard $\frac{1}{4}$ sec. cor. of sec. 33, T. 29 N., R. 16 W., which is an iron post, described in Book "A".

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

T29N R16W
S33
S 5 | S 4
T28N
1917

From which

A pinion, 18 ins. diam., brs. S.88 $\frac{1}{2}$ ° E., 270 lks. dist., marked CC T28N R16W S4 BT.

A pinion, 6 ins. diam., brs. S.12° W., 70 lks. dist., marked CC T28N R16W S5 BT.

Land, level and mountainous.

Soil, rocky, 4th rate.

Timber, juniper and pinion

Undergrowth, sagebrush and scrub oak.

J.C.H.

Chains. S.F.W.
 From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp., which is an iron post, described in Book "A", N.0° 3' W., bet. secs. 31 and 32.
 Over mountainous land, through scattering undergrowth.
 Asc. 135 ft.
 6.60 Spur, slopes W. Desc. 570 ft.
 21.70 Foot of descent, brs. E. and W. Thence over rolling land.
 29.40 Wash, 1 ch. wide, 2 ft. deep, course W. Asc. 25 ft.
 40.00 Spur, slopes W.
 Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$
 S31 | S32
 1917

And raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Desc. 25 ft.
 54.00 Foot of descent; asc. 200 ft.
 61.00 Desc. 35 ft. along W. slope.
 64.45 Asc. 45 ft.
 67.90 Desc. 130 ft.
 71.00 Enter wash, course S.40° W.
 76.20 Leave wash, course S.40° W. Asc. 40 ft.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., in a mound of stone, for cor. of secs. 29, 30, 31 and 32, marked on brass cap

T28N R16W
~~S30 | S29~~
~~S31 | S32~~
 1917

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

Land, mountainous and rolling.
 Soil, rocky, 4th rate.
 No timber
 Undergrowth, scrub oak and cactus. S.F.W.

J.C.H.
 East on a random line, bet. secs. 29 and 32.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.24 Intersect N. and S. line, 42 lks. N. of the cor. of secs. 28, 29, 32 and 33.
 Thence
 N.89° 42' W., on a true line, bet. secs. 29 and 32.
 Over mountainous land, through scattering timber and undergrowth.
 Asc. 380 ft.
 13.52 Ridge, brs. N 20° E and S.20° W. Desc. 1395 ft.
 40.12 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

$\frac{1}{4}$ S29
 $\frac{1}{4}$ S32
 1917

From which
 A pinion, 12 ins. diam., brs. N.33° E., 26 lks. dist. marked $\frac{1}{4}$ S29 BT.
 A pinion, 10 ins. diam., brs. S.7 $\frac{1}{2}$ ° E., 86 lks. dist., marked $\frac{1}{4}$ S32 BT.
 75.08 Ravine, course S.60° W. Asc. 40 ft.
 80.24 The cor. of secs. 29, 30, 31 and 32.
 Land, mountainous.
 Soil, rocky, huge granite boulders, 4th rate.
 Timber, scattering pinion and juniper.
 Undergrowth, manzanita, scrub oak and cat claw. J.C.H.

S.F.W.
 West on a true line, bet. secs. 30 and 31.
 Over rolling land, through scattering undergrowth.
 Asc. 30 ft.
 5.00 Desc.
 12.00 Wash, course S.
 17.30 Wash, course S.

Chains.
 22.00 Desc.
 23.00 Wash, course S. Asc. 460 ft., over granite boulders.
 39.40 Spur, slopes S. 30° W. Desc. 60 ft.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for 1/4 sec. cor., marked on brass cap

$$\begin{array}{r} S30 \\ \frac{1}{4} S31 \\ \hline 1917 \end{array}$$

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

49.90 Asc. 175 ft.
 61.00 Spur, slopes S. Desc. 470 ft.
 73.50 Spur, slopes SW. Continue descent.
 79.10 Intersect W. bdy. of Tp., 0.81 chs. S. of the cor. of secs. 25, 30, 31 and 36, which is an iron post, properly set, marked and witnessed as described by the Surveyor-General. At the point of intersection, set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground; in a mound of stone, for closing cor. of secs. 30 and 31, marked on brass cap

$$\begin{array}{r} T28N \\ R17W | R16W \\ S36 | S30 \\ \hline S31 \\ \hline 1917 \end{array} \quad C C$$

And raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. Cor. of secs. 25, 30, 31 and 36 changed to refer to secs. 25 and 36 only, as described in Book "A."

Land, mountainous. Soil, rocky, huge granite boulders, 4th rate. No timber.
 Undergrowth, manzanita, scrub oak and cat claw. S.F.W.

J.C. From the cor. of secs. 29, 30, 31 and 32, N. 0° 3' W., bet. secs. 29 and 30. Over mountainous land, through scattering undergrowth. Asc. 300 ft.

16.30 Spur, slopes W. Desc. 50 ft.
 19.92 Ravine, course S. 50° W. Asc. 1595 ft.
 40.00 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., marked on brass cap

$$\begin{array}{r} \frac{1}{4} \\ S30 | S29 \\ \hline 1917 \end{array}$$

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

64.58 Spur, slopes S. 40° E. Enter scattering timber, brs. E. and W. Continue ascent.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., in a mound of stone, for cor. of secs. 19, 20, 29 and 30, marked on brass cap

$$\begin{array}{r} T28N R16W \\ S19 | S20 \\ \hline S30 | S29 \\ \hline 1917 \end{array}$$

From which
 A pinion, 6 ins. diam., brs. N. 29 1/2° E., 52 lks. dist., marked T28N R16W S20 BT.
 A pinion, 10 ins. diam., brs. S. 20° E., 73 lks. dist., marked T28N R16W S29 BT.
 A pinion, 12 ins. diam., brs. S. 19 1/2° W., 61 lks. dist., marked T28N R16W S30 BT.
 A pinion, 10 ins. diam., brs. N. 8 1/2° W., 25 lks. dist., marked T28N R16W S19 BT.

Land, mountainous.
 Soil, rocky, 4th rate.

Chains.

Timber, cedar and pinion.
Undergrowth, scrub oak and cat claw.

40.00 S.89° 42' E., on a random line, bet. secs. 20 and 29.
Set temp. $\frac{1}{4}$ sec. cor.
80.05 Intersect N. and S. line, 21 lks. S. of the cor. of secs.
20, 21, 28 and 29.
Thence
N.89° 51' W., on a true line, bet. secs. 20 and 29.
Over mountainous land, through scattering timber and under-
growth.
Asc. 15 ft.
3.29 Spur, slopes S.10° E. Desc. 30 ft.
5.05 Ravine, course S.20° E. Asc. 275 ft.
15.35 Spur, slopes S. Thence along S. slope.
20.35 Asc. 30 ft.
23.32 Desc. 35 ft.
29.28 Ravine, course S.20° E. Asc. 470 ft.
40.02 $\frac{1}{2}$ 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

$$\begin{array}{r} \frac{1}{4} S20 \\ \frac{1}{4} S29 \\ \hline 1917 \end{array}$$

And raise a mound of stone, 3 ft. base, 2 ft. high, N.
of cor.

44.55 Spur, slopes S.20° E. Desc. 50 ft.
49.35 Draw, course S. Asc. 160 ft.
58.90 Spur, slopes S. Desc. 25 ft.
62.60 Draw, course S.20° E. Asc. 95 ft.
63.40 Spur, slopes S.40° E. Desc. 15 ft.
70.25 Draw, course S. Asc. 125 ft.
80.05 The cor. of secs. 19, 20, 29 and 30.
Land, mountainous.
Soil, sandy and rocky, 4th rate.
Timber, pinion and juniper.
Undergrowth, scrub oak.

40.00 West on a random line, bet. secs. 19 and 30.
Set temp. $\frac{1}{4}$ sec. cor.
78.91 Intersect W. bdy. of Tp., at the cor. of secs. 19 and 30,
which is an iron post, described in Book "A".
Thence
East on a true line, bet. secs. 19 and 30.
Over mountainous land, through scattering timber and under-
growth.
Asc. 115 ft.
7.80 Desc. 10 ft.
10.25 Ravine, course S.60° W. Asc. 940 ft.
35.60 Spur, slopes S.50° W. Desc. 20 ft.
37.80 Draw, course S. Asc. 245 ft.
38.91 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

$$\begin{array}{r} \frac{1}{4} S19 \\ \frac{1}{4} S30 \\ \hline 1917 \end{array}$$

From which
A pinion, 12 ins. diam., brs. N.59 $\frac{1}{2}$ ° W., 54 lks. dist.
marked $\frac{1}{4}$ S19 BT.
A pinion, 8 ins. diam., brs. S.88 $\frac{1}{2}$ ° W., 98 lks. dist.,
marked $\frac{1}{4}$ S30 BT.

61.85 Spur, slopes S.40° E. Desc. 240 ft.
78.91 The cor. of secs. 19, 20, 29 and 30.

44

Subdivision of T. 28 N., R. 16 W.

Chains.

Land, mountainous.
Soil, rocky, huge granite boulders, 4th rate.
Timber, pinion and juniper.
Undergrowth, scrub oak.

N.0° 3' W., bet. secs. 19 and 20.
Over mountainous land, through scattering timber and undergrowth.

Asc. 300 ft.

6.17 Ridge, brs. E. and W. Desc. 190 ft.

18.35 Wash, 30 lks. wide, 2 ft. deep, course E.

23.04 Wash, 50 lks. wide, course E. Asc. 55 ft.

28.75 Desc. 50 ft.

30.90 Asc. 40 ft.

33.45 Spur, slopes E. Desc. 560 ft.

40.00 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., marked on brass cap

1
S19 | S20
1917

From which

A pinion, 12 ins. diam., brs. N.36 $\frac{1}{2}$ ° E., 61 lks. dist., marked $\frac{1}{4}$ S20 BT.A pinion, 8 ins. diam., brs. N.39° W., 32 lks. dist., marked $\frac{1}{2}$ S19 BT.

52.12 Foot of descent, brs. E. and W. Leave timber, brs. E. and W. Thence over level land.

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, marked on brass cap

T28N R16W
S18 | S17
S19 | S20
1917

From which

A juniper, 12 ins. diam., brs. N.67 $\frac{3}{4}$ ° E., 340 lks. dist., marked T28N R16W S17 BT.A pinion, 10 ins. diam., brs. S.60 $\frac{1}{4}$ ° E., 432 lks. dist., marked T28N R16W S20 BT.No other trees within limits. Dig pits, 18 X 18 X 12 ins., SW. and NW. of post, 5 $\frac{1}{2}$ ft. dist.

Land, mountainous and level.

Soil, rocky, and sandy, 4th rate.

Timber, pinion and juniper.

Undergrowth, scrub oak and sagebrush.

40.00 S.89° 51' E., on a random line, bet. secs. 17 and 20.

Set temp. $\frac{1}{2}$ sec. cor.

80.31 Intersect N. and S. line, 33 lks. S. of the cor. of secs. 16, 17, 20 and 21.

Thence

S.89° 55' W., on a true line, bet. secs. 17 and 20.

Over rolling land, through scattering timber and undergrowth.

Desc. 40 ft.

4.60 Asc. 60 ft.

17.25 Spur, slopes N. Desc. 220 ft.

35.30 Wash, 20 lks. wide, 2 ft. deep, course NE. Thence over level land.

40.15 $\frac{1}{2}$ Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

Chains.

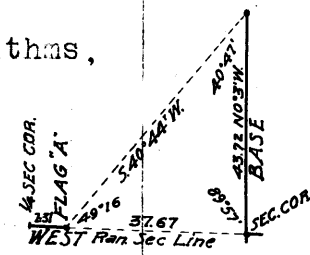
1/4 S17
1/4 S20
1917

80.31 And raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
The cor. of secs. 17, 18, 19 and 20.
Land, level and rolling.
Soil, gravelly and rocky, 4th rate.
Timber, scattering pinion and juniper.
Undergrowth, scrub oak and sagebrush.

West on a random line, bet. secs. 18 and 19.
I set two flags, flag "A" West and flag "B", N.89° 54' W. of the cor. of secs. 17, 18, 19 and 20, and from this cor., measure a base 43.72 chs. N.0° 3' W., from the N. end of which flag "A" brs. S.40° 44' W. and flag "B" brs. S.50° 43' W.
The distance to flag "A" is given as follows:

$$\frac{43.72}{\sin. 49^{\circ} 16'} = \frac{X}{\sin. 40^{\circ} 47'} \text{ or, by logarithms,}$$

log. 43.72 = 1.640680
log. sin. 40° 47' = 9.815046
colog. sin. 49° 16' = 0.120471

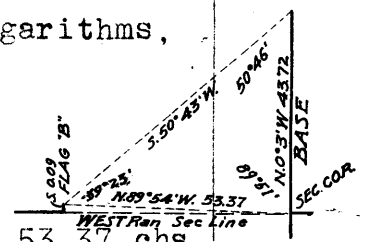


40.00 I chain W. 2.31 chs., and at Set temp. 1/4 sec. cor.

The distance to flag "B" is given as follows;

$$\frac{43.72}{\sin. 39^{\circ} 23'} = \frac{X}{\sin. 50^{\circ} 46'} \text{ or, by logarithms,}$$

log. 43.72 = 1.640680
log. sin. 50° 46' = 9.889064
colog. sin. 39° 23' = 0.197564



53.37 I move 9 lks. S., and continue West on random line, bet. secs. 18 and 19;

78.71 Intersect the cor. of secs. 18 and 19, on the West bdy. of the Tr. de-
scribed in Book "A".

Thence East on a true line, bet. secs. 18 and 19.
Over mountainous land, through scattering timber and under-
growth.

38.71 Desc. 800 ft.
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 S18
1/4 S19
1917

From which
A pinion, 10 ins. diam., brs. N.20° E., 50 lks. dist., marked 1/4 S18 BT.
A pinion, 6 ins. diam., brs. S.78° W., 31 lks. dist., marked 1/4 S19 BT.

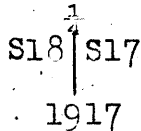
68.70 Wash, course NW. Asc.
78.71 The cor. of secs. 17, 18, 19 and 20.

Land, mountainous
Soil, rocky, 4th rate.
Timber, cedar and pinion.

Chains.

Undergrowth, scrub oak and cat claw.

N.0° 3' W., bet. secs. 17 and 18.
 Over rolling land, through scattering timber and undergrowth.
 Asc. 95 ft.
 8.96 Spur, slopes E. Desc. 95 ft.
 13.60 Asc. 75 ft.
 22.39 Spur, slopes E. Desc. 165 ft.
 32.00 Foot of descent; thence over level land.
 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

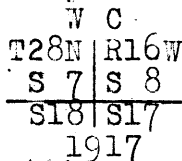


From which

A pinion, 6 ins. diam., brs. S.40° E., 116 lks. dist., marked $\frac{1}{4}$ S17 BT.

A juniper, 4 ins. diam., brs. S.10 $\frac{1}{2}$ ° W., 158 lks. dist., marked $\frac{1}{4}$ S18 BT.

43.72 Low spur, slopes NE. Desc. 40 ft.
 49.20 Foot of descent, thence over level land.
 64.97 Wash, 30 lks. wide, course NE.
 75.36 Wash, 40 lks. wide, course NE.
 77.80 Wash, 30 lks. wide, course NE.
 79.40 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for witness cor. to cor. of secs. 7, 8, 17 and 18, marked on brass cap



From which

A pinion, 15 ins. diam., brs. N.24 $\frac{1}{2}$ ° W., 207 lks. dist., marked WC T28N R16W S8 BT.

A juniper, 10 ins. diam., brs. S.2 $\frac{1}{2}$ ° E., 90 lks. dist., marked WC T28N R16W S17 BT.

A juniper, 8 ins. diam., brs. S.53° W., 115 lks. dist., marked WC T28N R16W S18 BT.

A juniper, 6 ins. diam., brs. N.40 $\frac{1}{2}$ ° W., 139 lks. dist., marked WC T28N R16W S7 BT.

80.00 The true point for cor. falls on rock in place, where it cannot be established.

Land, level and rolling.
 Soil, sandy and rocky, 4th rate.
 Timber, pinion and juniper.
 Undergrowth, sagebrush and scrub oak.

40.00 From the true point for cor. of secs. 7, 8, 17 and 18, N.89° 55' E., on a random line, bet. secs. 8 and 17.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.23 Intersect N. and S. line, 7 lks. S. of the cor. of secs. 8, 9, 16 and 17.
 Thence
 S.89° 52' W., on a true line, bet. secs. 8 and 17.
 Over level land, through scattering timber and undergrowth.
 5.25 $\frac{1}{2}$ Wash, 50 lks. wide, course NE. Spring on line.
 9.30 Wash, 50 lks. wide, course NE.
 13.25 Wash, 50 lks. wide, course NE.
 40.11 $\frac{1}{2}$ Set an iron post, 3 ft. long, 1 in. diam., 22 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

Chains.

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

80.23 Dig pits, 18 X 18 X 12 ins. E. and W. of post, 3 ft. dist.
The true point for cor. of secs. 7, 8, 17 and 18.
Land, level.
Soil, sandy, 4th rate.
Timber, pinion and juniper.
Undergrowth, scrub oak and sagebrush.

40.00 From the true point for cor. of secs. 7, 8, 17 and 18,
78.58 West on a random line, bet. secs. 7 and 18.
Set temp. $\frac{1}{4}$ sec. cor.
Intersect W. bdy. of Tp., 5 lks. S. of the cor. of secs.
7 and 18, which is an iron post, described in Book "A".
Thence
S. 89° 58' E., on a true line, bet. secs. 7 and 18.
Over mountainous land, through scattering timber and under-
growth.
Asc. 565 ft.
19.70 Spur, slopes S. Desc. 95 ft.
26.70 Wash, 40 lks. wide, course S. Asc. 95 ft.
37.95 Low ridge, brs. NW. and SE. Desc. gradually.
38.58 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

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

45.80 And raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N.
of cor.
78.58 Wash, 30 lks. wide, course SE. Thence over level land.
The true point for cor. of secs. 7, 8, 17 and 18.
Land, mountainous and level.
Soil, rocky, 4th rate.
Timber, juniper and pinion.
Undergrowth, scrub oak and sagebrush.

2.40 From the true point for cor. of secs. 7, 8, 17 and 18,
6.89 N. 0° 3' W., bet. secs. 7 and 8.
34.26 Over rolling land, through scattering undergrowth.
40.00 Asc. 45 ft.
Desc.
Wash, 50 lks. wide, course E. Asc. gradually.
Spur, slopes E. Desc.
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

S 7 | S 8
1917

80.00 Dig pits, 18 X 18 X 12 ins. N. and S. of post, 3 ft. dist.
Asc. gradually, 180 ft.
Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the
ground, for cor. of secs. 5, 6, 7 and 8, marked on
brass cap

T28N R16W
S 6 | S 5
S 7 | S 8
1917

48

Subdivision of T. 28 N., R. 16 W.

Chains.

Dig pits, 18 X 18 X 12 ins., in each sec., 5 $\frac{1}{2}$ ft. dist.
 Land, rolling.
 Soil, sandy, 4th rate.
 Timber, none.
 Undergrowth, scrub oak and sagebrush.

J.C.H.

S.F.W.

N. 89° 52' E., on a random line, bet. secs. 5 and 8.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.12 Intersect N. and S. line, 16 lks. N. of the cor. of secs.
 4, 5, 8 and 9.
 Thence
 S. 89° 59' W., on a true line, bet. secs. 5 and 8.
 Over mountainous land, through scattering timber and under-
 growth.
 Desc. 270 ft.
 29.70 Draw, course S. Asc. 325 ft.
 40.06 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

$$\begin{array}{r} \frac{1}{4} S 5 \\ \frac{1}{4} S 8 \\ \hline 1917 \end{array}$$

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

52.50 Spur, slopes S. 30° E. Continue ascent.
 80.12 The cor. of secs. 5, 6, 7 and 8.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, scattering cedar.
 Undergrowth, scrub oak.

S.F.W.

J.C.H.

N. 89° 58' W., on a random line, bet. secs. 6 and 7.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 78.72 Intersect W. bdy. of Tp., 23 lks. S. of the cor. of secs.
 6 and 7, which is an iron post, described in Book "A".
 Thence
 S. 89° 48' E., on a true line, bet. secs. 6 and 7.
 Over rolling land, through scattering undergrowth.
 Asc. 15 ft.
 Desc. 30 ft.
 2.00 Wash, course SW. Asc. 80 ft.
 6.95 Spur, slopes SW. Desc.
 20.35 Asc. 140 ft.
 29.10 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the
 38.72 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

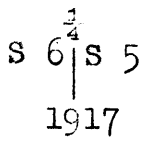
$$\begin{array}{r} \frac{1}{4} S 6 \\ \frac{1}{4} S 7 \\ \hline 1917 \end{array}$$

Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft.
 dist.
 Desc.
 50.65 Wash, 50 lks. wide, course SW. Asc.
 53.75 Spur, slopes SW. Desc.
 68.55 The cor. of secs. 5, 6, 7 and 8.
 78.72 Land, rolling.
 Soil, gravelly, 3rd rate.
 No timber.
 Undergrowth, scrub oak and sagebrush.

Subdivision of T. 28 N., R. 16 W.

Chains.

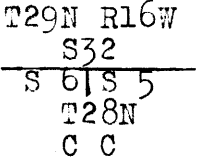
- N.0° 3' W., on a true line, bet. secs. 5 and 6.
Over mountainous land, through scattering undergrowth.
Asc. 315 ft.
- 17.30 Spur, slopes SW. Desc. 270 ft. Enter scattering timber,
brs. E. and W.
- 28.77 Wash, 40 lks. wide, course W. Asc. 35 ft.
- 37.24 Spur, slopes W. Desc. 545 ft.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of
stone, for $\frac{1}{4}$ sec. cor., marked on brass cap.



From which

- A pinion, 18 ins. diam., brs. S.7 $\frac{1}{2}$ ° E., 126 lks. dist.,
marked $\frac{1}{4}$ S5 BT.
- A pinion, 8 ins. diam., brs. S.2 $\frac{1}{4}$ ° W., 153 lks. dist.,
marked $\frac{1}{4}$ S6 BT.

- 45.95 Spur, slopes NW. Contine descent.
- 75.32 Wash, 40 lks. wide, course NW.
- 78.83 Wash, 60 lks. wide, course NW. Asc. 65 ft.
- 81.41 Intersect Seventh Standard Parallel North, 8.04 chs. W.
of the standard $\frac{1}{4}$ sec. cor. of secs 32, T. 29 N., R.
16 W., which is an iron post, described in Book "A".
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. 5 and 6, marked on brass cap



From which

- A pinion, 8 ins. diam., brs. S.16 $\frac{1}{2}$ ° E., 54 lks. dist.,
marked CC T28N R16W S5 BT.
- A pinion, 5 ins. diam., brs. S.13 $\frac{1}{4}$ ° W., 76 lks. dist.,
marked CC T28N R16W S6 BT.

Land, mountainous.
Soil, rocky, 4th rate.
Timber, pinion and juniper.
Undergrowth, sagebrush and scrub oak.

J.C.H.

General Description.

The entire township is rough mountainous land. The Grand Wash Cliffs run through the eastern portion, N. and S. A secondary divide runs east and west through secs. 19, 20 and 21. A wide wash, almost a basin, heads in sec. 20, and drains north east, draining into Grape Vine wash. The part lying east of the Grand Wash Cliffs is a high, broken mesa, heavily timbered with scrub juniper and pinion pine. There is a spring in the NW. $\frac{1}{4}$ of sec. 35, and one in the NW. $\frac{1}{4}$ of sec. 34, where there is a house and corrals, known as the Fielding Place. Both these springs have been developed. There is a sseepage spring in the NW. $\frac{1}{4}$ of sec. 16, and one in the SE. $\frac{1}{4}$ of sec. 8. There is another, probably the reappearance of the same water, in the SE. $\frac{1}{4}$ of sec. 9. This is known as Iron Spring. In the SW. $\frac{1}{4}$ of sec. 11, is a small spring and corrals for a cattle trap. The high ridges are heavily timbered and the lower portions are densely covered with scrub oak and manzanita undergrowth. There is a very sparse growth of native grass. There are no settlers.

7th. Std. Parallel North

BOOK 3256

Book "0"

Group 45 - - - Arizona.

FIELD ASSISTANTS. ~DATE DIAGRAM~

Surveys executed on dates shown on these diagrams, by James C. Hooper, U. S. Transitman.

T. 28 N. R. 15 W.

6-2-17 REF

HUALPAI

INDIAN

RESERVATION.

	6	5	14½
6-9-17	6-5-17	6-5-17	15
	7	8	15½
6-8-17	6-5-17	6-9-17	16
	18	17	16½
	6-4-17	6-4-17	17
	19	20	17½
6-6-17	6-4-17	6-7-17	18
	30	29	18½
			19
	31	32	19½
			20
			20½

	7th Standard Parallel North						
5-4-17	6	5	5-5-17	4	3	2	1
	5-4-17		5-7-17				
5-3-17	7	8	5-4-17	9	10	11	12
	5-3-17	5-1-17	5-7-17				6-8-17
5-2-17	18	17	5-1-17	16	15	14	13
	5-1-17	4-27-17	4-30-17	T. 28 N.	R. 16 W.		
			4-30-17				
5-2-17	19	20	4-27-17	21	22	23	24
	3-16-17	3-19-17	3-17-17	3-13-17	3-10-17		6-6-17
	30	29	3-15-17	28	27	26	25
		3-15-17	3-6-17	3-6-17	3-6-17		
	31	32		33	34	35	36
			3-2-17		3-6-17		

3-7-17

TRANSITMAN.
CERTIFICATE OF UNITED STATES ~~SURVEYOR~~

I, James C. Hooper, U. S. ~~Surveyor~~ Transitman, or, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Group 45, Arizona, bearing date of the 7th day of January, 191 5, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, ~~surveyed~~ retraced all those parts or portions of the Hualpai Indian Reservation bdy, within TOWNSHIP 28 NORTH, RANGE 15 WEST, and SURVEYED all those parts or portions of the Subdivision lines of TOWNSHIP 28 NORTH, RANGES 15 & 16 WEST, of the Gila and Salt River Base and Meridian, in the State of Arizona, which are represented by the diagram on the reverse hereof and in the foregoing field notes as having been executed by me, and under my direction; and that all the corners of retracement & 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 45, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such retracement and survey.

James C. Hooper
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

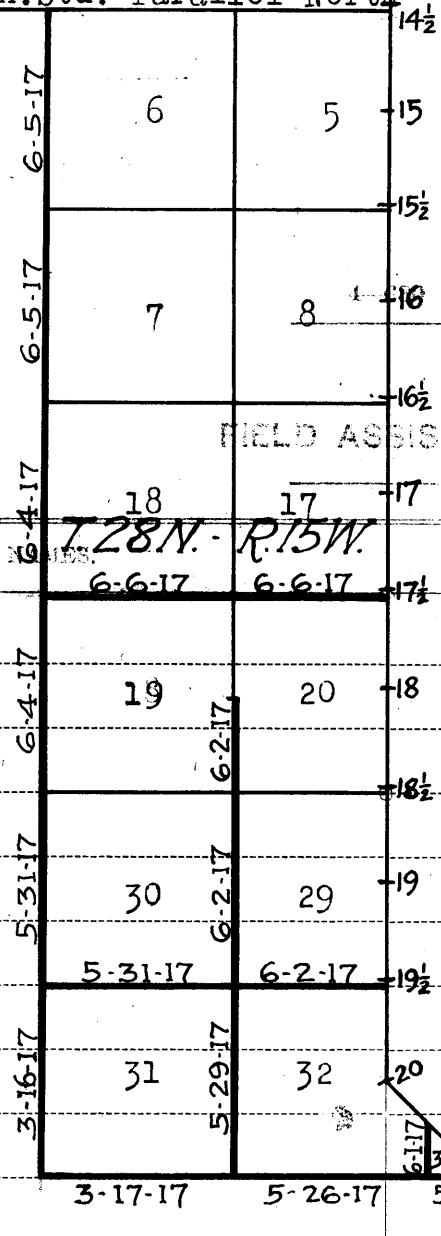
....., has been correctly copied from the original notes on file in this office.

.....
U. S. Surveyor General.

BOOK 3256

Book "0"
Group 45 - - - Arizona

7th. Std. Parallel North



FIELD ASSISTANTS.

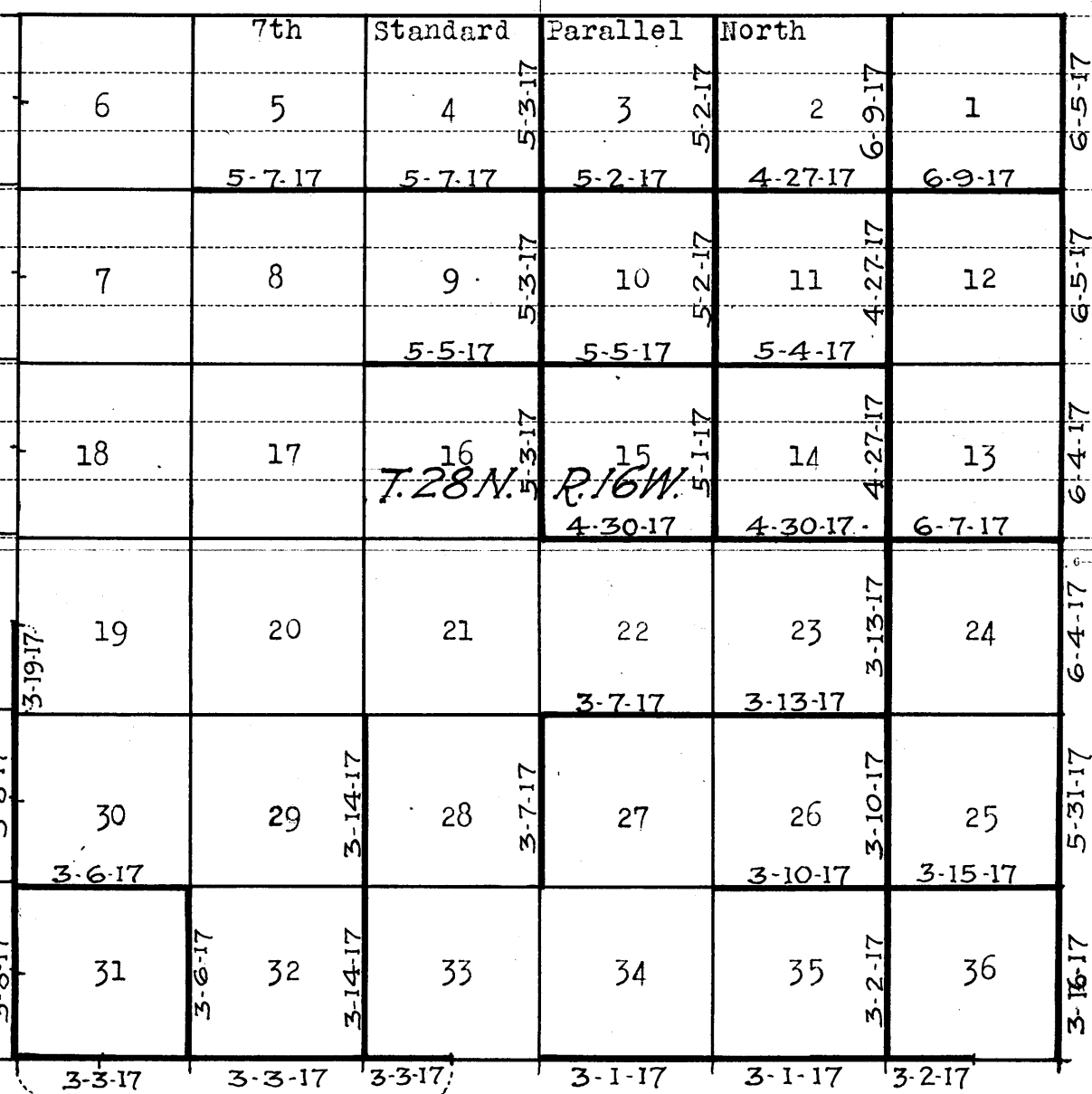
~DATE DIAGRAM~

Surveys executed on dates shown on these diagrams by S. Frank Walters, U.S. Transitman.

HUALPAI

INDIAN

RESERVATION



RESURVEYED

RESURVEY

176

54

BOOK 3256

CERTIFICATE OF UNITED STATES ~~SURVEYOR~~ TRANSITMAN

I, S. Frank Walters, U. S. Transitman, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Group 45, Arizona, bearing date of the 7th day of January, 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 28 NORTH, RANGE 15 WEST, and
TOWNSHIP 28 NORTH, RANGE 16 WEST,

of the Gila and Salt
River Base and Meridian, in the State of Arizona, which are represented by the diagram on the reverse hereof and in 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 45, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

S. Frank Walters
U. S. Surveyor
Transitman

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

....., 1918

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 3256

Book "0"

Group 45 - - - Arizona.

~ DATE ADIAGRAM ~

Surveys executed on dates shown on this diagram by E. J. Lange, U. S. Surveyor.

DATE	CAPACITY
7th. 5-16-16	
Std. Parallel	
5-17-16	
North 16	
6	14 1/2
5	15 1/2
7	15 1/2
8	16
18	16 1/2
T. 28 N.	INDIAN
R. 15 W.	RESERVATION.
17	17
19	17 1/2
20	18
30	18 1/2
29	19
31	19 1/2
32	20
	20 1/2

5-17-16
RET.

178

CERTIFICATE OF UNITED STATES SURVEYOR.

BOOK 3253

I, E. J. Lange, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Group 45, Arizona, bearing date of the 7th day of January, 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, retraced ~~surveyed~~ all those parts or portions of the Hualpai Indian Reservation boundary, within TOWNSHIP 28 NORTH, RANGE 15 WEST.

of the Gila and Salt River Base and Meridian, in the State of Arizona, which are represented by the diagram on the reverse hereof and in 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 45, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such retracement.

E. J. Lange, U. S. Surveyor.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix Arizona, March 17, 1919.

The foregoing field notes of the ~~survey of~~ retracement of part of the boundary of the HUALPAI INDIAN RESERVATION, within TOWNSHIP 28 NORTH, RANGE 15 WEST, of the Survey of the Subdivision lines of that part of TOWNSHIP 28 NORTH, RANGE 15 WEST, situated outside the bdy. of the HUALPAI INDIAN RESERVATION, and of the Survey of All of the Subdivision lines of TOWNSHIP 28 NORTH, RANGE 16 WEST, of the Gila and Salt River Base and Meridian, in the State of Arizona,

executed by E. J. Lange, U. S. Surveyor, & S. Frank Walters & James C. Hooper, U. S. Transitmen, under ~~the~~ special instructions dated Jany. 7, 1915, for Group 45, Arizona, ~~and~~, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

S. Frank Walters, U. S. Surveyor General.

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