

3211

Book "J"
4-679

BOOK 3211

FIELD NOTES

of the RETRACEMENT of a

PORTION OF THE SOUTH BOUNDARY, and

PART OF THE SUBDIVISION LINES, OF TOWNSHIP 18 NORTH, RANGE 9 WEST,

the RESURVEY of

PART OF THE SOUTH BOUNDARY OF TOWNSHIP 19 NORTH, RANGE 9 WEST.

PART OF THE SOUTH AND WEST BOUNDARIES, AND

PART OF THE SUBDIVISION LINES, OF TOWNSHIP 18 NORTH, RANGE 9 WEST,

the SURVEY of

PART OF THE WEST BOUNDARY, and

PART OF THE SUBDIVISION LINES,

all of TOWNSHIP 18 NORTH, RANGE 9 WEST,

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

HARRY D. JACKSON,

U. S. Transitman,

~~In the capacity of U. S. Surveyor~~, under instructions dated February 20, 1915 and
S.S.I. dated September 15, 1919,
issued by the United States Surveyor General to govern surveys included in
Group No. 50, which were approved by the Commissioner of the General Land
Office, March 2, 1915, and sept. 29, 1919.

Retracement, Resurvey
and Survey commenced March 20, 1916.

Retracement, Resurvey
and Survey completed May 25, 1916.

Executed under Assignment
Instructions dated Nov. 29, 1915, and Nov. 7, 1919.
Corrections made Dec. 8, 9, and 10, 1919.

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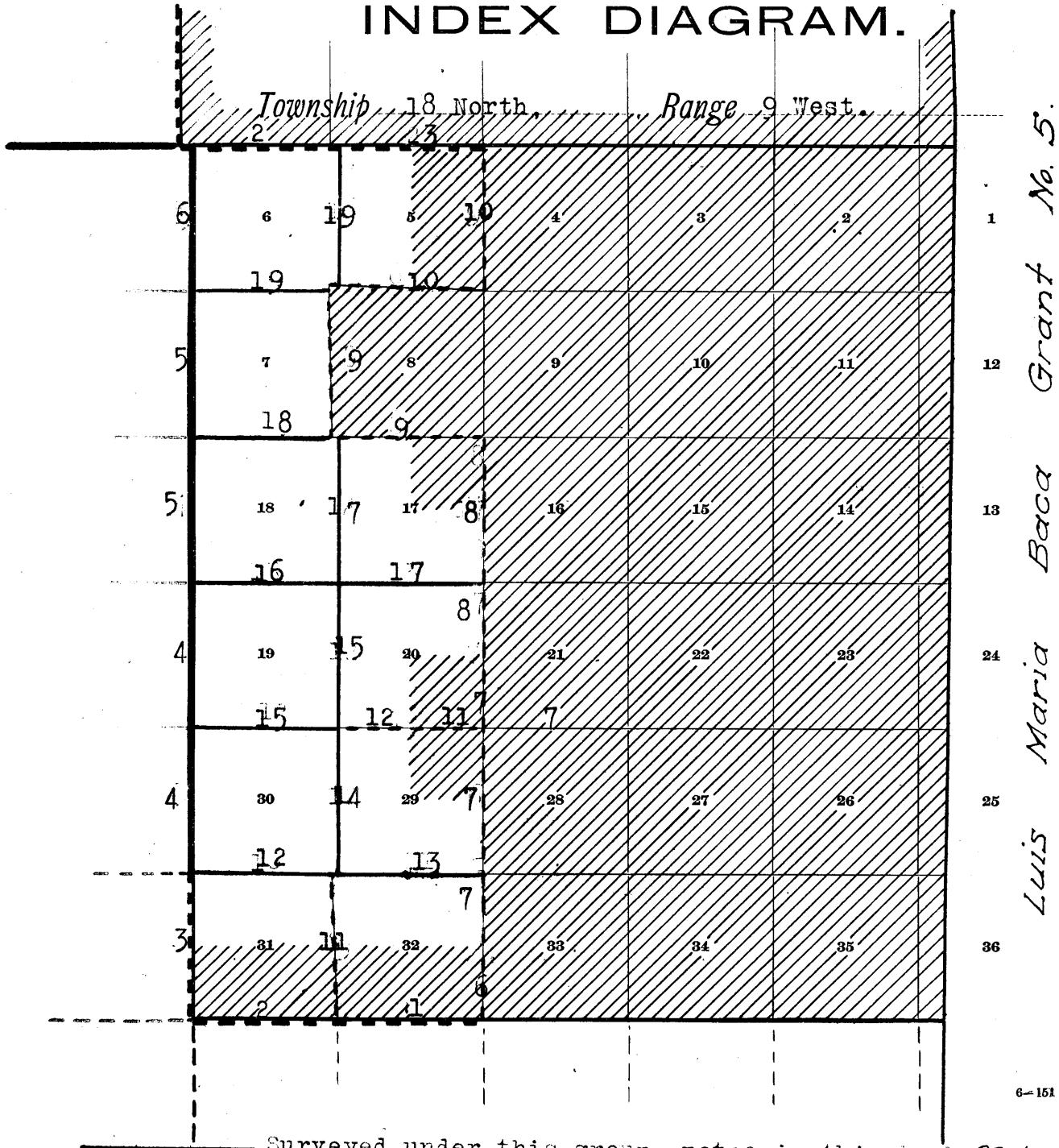
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Group 50 - - - Arizona.

BOOK 3211

INDEX DIAGRAM.



Luis Maria Baca Grant No. 5.

6-151

- Surveyed under this group--notes in this book.3211
- - - - - Retraced or resurveyed under this group--notes in this book.³²¹¹
- Surveyed under this group--notes in Book K.3212
- - - - - Resurveyed under this group--notes in Book K.3212
- Surveyed under this group--notes in Book L.3213
- - - - - Resurveyed under this group--notes in Book L.3213.
- Previously accepted surveys.
- - - - - Unsurveyed.
- ////// Area surveyed as per accepted plats on file.

Chains.

Retracements, Resurveys and Surveys hereinafter described, executed on dates shown on diagram on page 19 of this book, by Harry D. Jackson, U.S. Transitman. The instrument used is described, with record of approval by the Assistant Supervisor of Surveys for Arizona and California, and field tests in Book "A" of this Group. The mean magnetic variation is 15° E.

In December, 1919, Otis Ross, U.S. Surveyor, destroys some of Transitman Jackson's cors., changes markings on others, and sets certain new cors., all to conform to instructions from the Surveyor General, dated Sept. 15, 1919.

In the following notes, all measurements and cor. descriptions affected by said changes by Surveyor Ross, are preceded by the initials "O.R."

Surveyor Ross did not rechain any of the lines, the distances referring to his cors. or change of cors. being based on Transitman Jackson's records, and all topographical features are from Jackson's records, with proper allowance made for the movement of the cors. or of the lines.

Retracement- Portion of S. bdy. of T. 18 N., R. 9 W.

The original cor. of secs. 4, 5, 32 and 33, on S. bdy. of Tp., is a volcanic stone, 14x10x6 ins. above ground, firmly set, marked with 4 notches on E. face, and 2 notches on W. face, and witnessed by mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Thence, N. 89° 52' W., on true line, on S. bdy. of sec. 32 (E. ½). Over mountainous land, thru scattering undergrowth. Ascend gradually on SE. slope.

6.65
11.65
37.65
39.74

Road brs. NE. and SW.
Top of ridge, brs. NE. and SW. Descend 200 ft.
Ravine, course NE. Descend on NW. slope.
Intersect the original ¼ sec. cor. of secs. 5 and 32, which is a malpais stone, 10x8x6 ins. above ground, firmly set, marked "1" on N. face, and witnessed by mound of stone 2 ft. base, 1½ ft. high, N. of cor. Now refers to sec. 32 only.

Land, mountainous. Soil, 3rd and 4th rate.
No timber.
Undergrowth, oak brush, cactus and yucca.

Dependent Resurvey of portion of S. bdy. of T. 18 N., R. 9 W.

From original ¼ sec. cor. of secs. 5 and 32, retrace west, making diligent search at record distances for original cors., but fail to find any trace of any until at 116.24 chs., fall 30 lks. S. of the original cor. of Ts. 17 and 18 N., Rs. 9 and 10 W., hereinafter described. The true course of this part of the Tp. bdy. is therefore N. 89° 51' W.

Return to original ¼ sec. cor. of secs. 5 and 32, and resurvey the Tp. bdy., reestablishing the missing cors. at proper intervals to maintain the original proportion bet. such intervals.

7.48
17.65

N. 89° 51' W., on true line, on S. bdy. of sec. 32 (W. ½). Over mountainous land, thru scattering undergrowth. Ascend 65 ft.
Fence brs. NW. and SE.
Top of ridge, brs. N. and S., 220 ft. above cor. of secs. 31 and 32. Descend gradually 125 ft. on NE. slope.

2. Dependent Resurvey of portion of S. bdy. of T. 18 N., R. 9 W.

Chains.

34.80 Rim rock, 30 ft. high.

38.91 (Proportional dist.) Reestablish cor. of secs. 31 and 32 only as follows: On malpais boulder, 8x6x2 ft. above ground, mark a cross (x) at exact cor. point, with 5 notches on E. edge and 1 notch on W. edge, and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

Land, mountainous.

Soil, 3rd rate.

No timber.

Undergrowth, oak brush, cactus and yucca.

N. 89° 51' W. on true line, on S. bdy. of sec. 31.

Over mountainous land, thru scattering undergrowth.

Descend on NW slope.

15.60 Fence brs. NW. and SE.

34.69 Bottom of gulch, course SW. Stream, 60 lks. wide, 560 ft. below sec. cor. Ascend 300 ft. on NE. slope.

38.91 (proportional dist.) Reestablish the ¼ sec. cor. of sec. 31 only, as follows:

Set a sandstone, 16x10x8 ins., 11 ins. in the ground, marked "1" on N. face; and raise a mound of stone 2 ft. base, 1½ ft. high, N. of cor. No iron post available.

Top of spur, projecting SE. Descend 60 ft.

53.85 Bottom of ravine course SE. Ascend 140 ft. on SE. slope.

61.40 Top of spur, projecting SE. Descend 50 ft. on SW. slope.

71.10 Bottom of ravine, course SW. Ascend 65 ft. on NE. slope.

77.33 Intersect the original cor. of Ts. 17 and 18 N., Rs. 9 and 10 W., which is a volcanic stone, 10x6x5 ins. above ground firmly set, marked with 6 notches on each of N., S. E. and W. edges, witnessed by mound of stone S. of cor., one tree N. 24° E., 173 lks. dist., and one tree N. 1½° W., 190 lks. dist., both properly marked.

Land, mountainous.

Soil, rocky, 4th rate.

No timber.

Undergrowth, oak brush, cactus and yucca.

Dependent Resurvey of Portion of S. bdy. of T. 19 N., R. 9 W.

From original cor. of secs. 4, 5, 32 and 33, hereinafter described, retrage west, making diligent search at record distances, for original cors., but fail, to find any trace of any until at 156.64 chs. fall 82 lks. S. of original cor. of Ts. 18 and 19 N., Rs. 9 and 10 W., which is a volcanic stone, 12x10x9 ins. above ground, firmly set, marked with 6 notches on each of N., S., E. and W. edges, and witnessed by a mound of stone, S. of cor. No bearing trees.

True course of this portion of the T_p. bdy. is therefore S. 89° 42' E.

Reestablish the above described cor. to refer to Ts. 19 N., Rs. 9 and 10 W. only by obliterating the notches on S. edge of stone, destroying mound of stone, S. of cor., and building a mound of stones 2 ft. base, 1½ ft. high, N. of cor.

Thence resurvey the S. boundaries of secs. 31 and 32, reestablishing the missing cors. at proper intervals to maintain the original proportion between such intervals.

S. 89° 42' E., on true line, on S. bdy. of sec. 31.

Over mountainous land, thru scattering undergrowth.

Ascend 510 ft. on NW slope.

18.70 Top of ridge, brs. NE. and SW. Descend gradually.

23.70 Thence descend abruptly on NE. slope.

38.20 (Proportional dist.) Reestablish the ¼ sec. cor. of sec. 31 only, as follows:

Set a volcanic stone, 18x8x5 ins., 12 ins. in the ground, marked "1" on N. face; and raise a mound of stone,

Dependent Resurvey of portion of S. bdy. of T. 19 N. R. 9 W. 3

Chains.

52.35 2 ft. base, 1½ ft. high, N. of cor. No iron post available. Bottom of ravine, course NE., 750 ft. below ridge. Ascend on NW. slope.

55.00 Spur, projecting NE. Descend 90 ft. on NE. slope.

60.55 Bottom of ravine, course NE. Ascend 270 ft. on NW. slope.

77.68 (Proportional dist.) Reestablish the cor. of secs. 31 and 32 only, as follows:
 Set a malpais stone, 17x11x5 ins., 11 ins. in the ground, marked with 5 notches on E. edge, and 1 notch on W. edge; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
 No iron post available.
 Land, mountainous.
 Soil, rocky, 4th rate.
 No timber. Undergrowth, oak brush, cactus and yucca.

S. 89°42'E., on true line, on S. bdy. of sec. 32.
 Over mountainous land, thru scattering undergrowth. Asc. 30 ft. on NW. slope.

4.00 Top of ridge, brs. NE. and SW. Descend 260 ft. on NE. slope.

18.00 Stream, 2 lks. wide, course N., in bottom of Pine Canyon; asc. 300 ft. on NW. slope.

30.00 Top of ridge, brs. N. and S. Descend 115 ft. on NE. slope.

37.50 Bottom of ravine, course NE. Ascend 35 ft. on NW. slope.

39.48 "O.R." The ¼ sec. cor. reestablished by Jackson to refer to sec. 32 only, is a granite stone, 9x8x5 ins. above ground, firmly set, marked "1" on N. face, and witnessed by a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. This cor. now becomes reestablished ¼ sec. cor. of secs. 5 and 32. No change required in the marking on stone or the accessory.

42.50 Summit of ascent. Descend 65 ft. on NE. slope.

50.70 Bottom of ravine, course NE. Ascend 50 ft. on NW. slope.

56.50 Top of spur, projecting NE. Descend 250 ft. on NE. slope.

78.96 Intersect original cor. of secs. 4, 5, 32 and 33, which is a volcanic stone, 10x10x8 ins. above ground, firmly set, marked with 4 notches on E. edge, and 2 notches on W. edge, and witnessed by mound of stone 2 ft. base, 1½ ft. high, W. of cor.
 Land, mountainous.
 Soil, rocky, 4th rate.
 No timber.
 Undergrowth, oak brush, cactus and yucca.

Resurvey of portion of W. bdy. of Township 18 N., R. 9 W.
 From original cor. of Ts. 17 and 18 N. Rs. 9 and 10 W., hereinbefore described, retrace N. bet. secs. 31 and 36, making diligent search for the original ¼ sec. cor., but fail to find any trace of same, but at 79.26 chs., fall 27 lks. E. of the original cor. of secs. 25, 30, 31 and 36 hereinafter described.
 The true course and dist. of line bet. secs. 31 and 36 are therefore N. 0°12'W., 79.26 chs.
 Return to the township cor.
 Thence,
 N. 0°12'W., on a true line, bet. secs. 31 and 36.
 Over mountainous land, thru scattering undergrowth. Desc. 15 ft.

1.35 Bottom of ravine, course SE. Ascend 300 ft. on SW. slope.

22.90 Ridge, brs. NW and SE. Descend 520 ft. on NE. slope.

38.66 On a boulder, 4x4x3 ft. above ground, marked "WC" for witness cor. to reestablished ¼ sec. cor. of secs. 31 and 36, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

39.63 (Midpoint) True point for reestablished ¼ sec. cor. of secs. 31 and 36, falls on face of steep ledge facing NE., where it is impracticable to mark the cor.; therefore establish witness cor. on line at 97 lks. S. 0°12'E., as

4. Resurvey of portion of W. bdy. of Township 18 North Range 9 West

Chains.

44.00
79.26

described above.
Bottom of ravine, course SE. Ascend 360 ft. on SW slope.
Intersect original cor. of secs. 25, 30, 31 and 36, which is
a granite stone 13x12x4 ins. above ground, firmly set,
marked with 5 notches on N. edge, and 1 notch on S. edge,
and witnessed by a mound of stone, 2 ft. base, 1½ ft.
high, W. of cor.
Alongside the stone, set an iron post, 3 ft. long, 3 ins. in
diam., 24 ins. in the ground, for reestablished cor. of
secs. 25, 30, 31 and 36, marked on brass cap,

T18N
R10W | R 9W
S25 | S30
S36 | S31
1916

and leave original accessory unchanged.
Land, mountainous.
Soil, rocky, 4th rate.
No timber.
Undergrowth, scattering scrub oak, cactus and yucca.
The township boundary was never previously surveyed north
of above described cor.; therefore, discontinue resurvey.

Completion of Survey of West bdy. of T. 18 N., R. 9 W.

28.30
40.00

From the reestablished cor. of secs. 25, 30, 31 and 36, here-
inbefore described,
North, bet. secs. 25 and 30.
Over mountainous land, thru scattering undergrowth. Ascend
360 ft.
Top of ridge, brs. NW. and SE. Descend on NE. slope.
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
the ground, for ¼ sec. cor., with brass cap, marked

S25 | S30
1916

51.00
55.00
58.60
80.00

and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of
cor.
Ravine, course NE., 425 ft. below ridge. Ascend 60 ft. on
SE. slope.
Spur, projecting NE. Descend 70 ft. on NE. slope.
Bottom of ravine, course SE. Ascend 475 ft. on SE. slope.
Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in
the ground, for cor. of secs. 19, 24, 25 and 30, with
brass cap, marked

T18N
R10W | R9W
S24 | S19
S25 | S30
1916

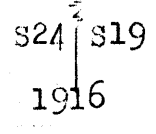
and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of
cor.
Land, mountainous.
Soil, rocky, 4th rate.
No timber.
Undergrowth, chaparral.

North, bet. secs. 19 and 24.
Over mountainous land, thru scattering undergrowth. Ascend
25 ft. on SW. slope.

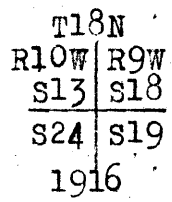
Completion of survey of West hdy. of Township 18 North, Range 9 West, 5

Chains

- 2.00 Ridge, brs. NW. and SE, Descend 325 ft. on NE. slope.
- 20.25 Gulch, course SE. Stream 10 lks. wide, in bottom. Ascend over broken slope.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked



- and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 54.90 Spur, projecting SE., 520 ft. above gulch. Descend 360 ft. on NE. slope.
- 78.50 Gulch, course NE. Stream 30 lks. wide. Ascend 20 ft. on SW. slope.
- 80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground for cor. of secs. 13, 18, 19 and 24, with brass cap, marked



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

North, bet. secs. 13 and 18.
 Over rough, mountainous land, thru. scattering undergrowth; ascending on steep broken SE. slope, over numerous cliffs and slide rock.

- 40.00 Point for $\frac{1}{4}$ sec. cor. falls at point where it is impracticable to establish same. Therefore, at
- 40.30 Mark a cross (x) on a lava boulder, 5x5x2 ft. above ground, with "1" on W. side, and "WC" NE. of cross (x) for witness cor. to $\frac{1}{4}$ sec. cor., and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 41.40 Ridge, brs. NW. and SE., 775 ft. above sec. cor. Descend 250 ft., over cliffs and slide rock.
- 51.85 Gulch, course SE. Stream, 2 lks. wide, Ascend 660 ft. on broken SW. slope.
- 79.50 Divide bet. Francis & Trout Creeks, bears NW. and SE.
- 80.00 Set a basalt stone, 16x8x8 ins., 11 ins. in the ground for cor. of secs. 7, 12, 13 and 18, marked with 4 notches on S. and 2 notches on N. edge; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

No iron post available.
 Land, mountainous.
 Soil, 4th rate.
 No timber.
 Undergrowth, oak brush, manzanita and scrub cedar.

North, bet. secs. 7 and 12.
 Over mountainous land, thru. scattering undergrowth. Descend 130 ft., on NE. slope.

- 7.70 Head of ravine, course E. Ascend 95 ft., on SE. slope.
 - 17.10 Ridge, brs. NE. and SW. Descend on NW. slope.
 - 40.00 Set a lava stone, 18x10x5 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked "1" on W. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- No iron post available.

6. Completion of Survey of West bdy. of Township 18 N., R. 9 W.

Chains

- 43.80 Bottom of ravine, course NE., 400 ft. below ridge.
Ascend 260 ft., on SE. slope.
64.90 Ridge, brs. NE. and SW. Descend 260 ft. on NW. slope.
79.00 Bottom of ravine, course NW.
80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for cor. of secs. 1, 6, 7 and 12, with brass cap, marked,

T18N	
R10W	R9 W
S1	S6
S12	S7
1916	

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

Land, mountainous.
Soil, rocky, 4th rate.
No timber.
Undergrowth, oak brush, scrub cedar and manzanita.

- North, bet. secs. 1 and 6.
Over mountainous land, thru scattering undergrowth.
Ascend 150 ft., on SW. slope.
16.30 Spur, projecting W. Descend 510 ft., on NW. slope.
36.00 Ravine, course W. Ascend on SW. slope.
40.00 Point for ¼ sec. cor. falls on lava boulder, 20x10x6 ins., above ground. Mark a cross (x) at exact cor. point, with "1" on W. side; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
50.00 Spur, projecting W., 290 ft. above ravine. Descend 300 ft. on NW. slope.
73.75 Bottom of ravine, course W. Ascend 60 ft. on SW. slope.
81.23 Intersect S. bdy. of Tp. 19 N., R. 9 W., 3.82 chs. S. 89° 42' E. of the cor. of Ts. 18 and 19 N., Rs. 9 and 10 W., later reestablished as cor. of Ts. 19 N., Rs. 9 and 10 W., hereinafter described.
At point of intersection,
Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for closing cor. of Ts. 18 N., Rs. 9 and 10 W., with brass cap, marked

T19N R9 W	
S31	
S1	S6
R10W	R9 W
T18N	
CC	
1916	

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

Land, mountainous.
Soil, rocky, 4th rate.
No timber.
Undergrowth, oak brush, manzanita and scrub cedar.

Retracement of portion of Subdivision lines of T. 18 N. R. 9 W.

- From the original cor. of secs. 4, 5, 32 and 33, on S. bdy. of Tp., hereinbefore described,
N. 0° 23' E., on true line, bet. secs. 32 and 33 (S. ½).
Over mountainous land, thru dense undergrowth. Ascend 60 ft. on SE. slope.
5.15 Road brs. NE and SW.
5.90 Ridge, brs. NE and SW. Descend 100 ft. on NW. slope.
19.80 Bottom of ravine, course SW. Ascend 110 ft. on SE. slope.

Completion of Survey of West bdy of Township 18 N., R. 9 W.

Chains.

- 35.70 Ridge, bds. NE. and SW. Descend gradually.
- 39.70 Intersect the original $\frac{1}{4}$ sec. cor., which is a granite stone 10x6x6 ins., above ground, firmly set, marked "1" on W. face, and witnessed by a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. No bearing trees.

RESURVEY.

- N. 0° 4' E., on a true line, bet. secs. 32 and 33 (N. $\frac{1}{2}$).
Over mountainous land, thru dense undergrowth.
Descend 300 ft. on NW slope.
- 29.40 Bottom of ravine, course SW. Ascend 320 ft. on SE slope.
- 40.24 Intersect the original cor. of secs. 28, 29, 32 and 33, which is a volcanic stone, 20x12x9 ins. above ground, firmly set, marked with 1 notch on S. edge and 4 notches on E. edge, and witnessed by mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W of cor. Reestablish this cor. by establishing a bearing tree as follows:
On a cedar, 18 ins. in diam., bearing N. 2° 30' E., 94 lks. dist., mark "T18N R9W S28 BT."
- Land, mountainous.
Soil, rocky, 4th rate.
No timber.
Undergrowth, chaparral.

- N. 0° 10' W., on true line, bet. secs. 28 and 29 (S. $\frac{1}{2}$).
Over mountainous land, thru scattering undergrowth.
Ascend 150 ft. on SE slope.
- 10.15 Top of spur, projecting SW. Thence along W. slope.
- 21.70 Head of ravine, course SW. Ascend 125 ft. on SW slope.
- 30.50 Top of same spur, projecting SE. Thence along E. slope.
- 39.54 Intersect the original $\frac{1}{4}$ sec. cor., which is a sandstone 14x6x5 ins. above ground, firmly set, marked "1" on W. face, and witnessed by mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor., and one tree S. 15° E., 165 lks. dist., marked "1 S BT."

RETRACEMENT.

- N. 0° 17' W., on true line, on W. bdy. of sec. 28 (N. $\frac{1}{2}$).
Over mountainous land, thru scattering undergrowth. Descend.
- 4.00 Head of ravine, course SE. Ascend 50 ft. on SE slope.
- 14.00 Ridge, bds. E and W. Descend 80 ft. on NE slope.
- 27.57 Bottom of ravine, course E. Ascend 95 ft. on SE slope.
- 35.70 Top of spur, projecting SE. Thence along E. slope.
- 39.76 Intersect original cor. of secs. 20, 21, 28 and 29, which is a volcanic stone, 12x8x6 ins. above ground, firmly set, marked with 2 notches on S. edge and 4 notches on E. edge, and witnessed by mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. After setting closing cor. of secs. 20 and 29, change this cor. to refer to secs. 21 and 28 only by obliterating notches on E. edge of stone, marking 4 notches on N. edge and moving mound of stone from W. to E. of cor.
"O.R." Change this cor. to its original designation and description as hereinafter described.
Land, mountainous.
Soil, rocky, 4th rate.
No timber.
Undergrowth, chaparral.

- N. 0° 30' W., on true line, on W. bdy. of sec. 21 (S. $\frac{1}{2}$).
Over mountainous land, thru scattering undergrowth.
Descend gradually, 30 ft. on NE slope.
- "O.R." .72 "O.R." Intersect Jackson's closing cor. of secs. 20 and 29, and destroy all trace of same, as hereinafter described.

8. Retracement and Resurvey of portion of Subdivision T.18N.R.9W.

Chains.

RETRACEMENT. (continued)

- 7.00 Bottom of ravine, course SE. Ascend 195 ft.
 23.70 Top of spur, projecting SE. Thence along E. slope.
 31.70 Head of ravine, course SE. Ascend 150 ft., on SE. slope.
 39.57 Intersect the original $\frac{1}{4}$ sec. cor. of secs. 20 and 21, which is a volcanic stone, 10x6x5 ins. above ground, firmly set, marked "1" on W. face. No accessories. Change this cor. to $\frac{1}{4}$ sec. cor. of sec. 21 only by raising a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high, E. of cor.
 "O.R." Change this cor. back to its original designation by destroying mound of stone, E. of cor., and raising mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

RESURVEY.

- N. 0° 07' E., on true line, on W. bdy. of sec. 21 (N. $\frac{1}{2}$).
 Over mountainous land, thru, scattering timber and undergrowth.
 Ascend 325 ft., on SE. slope.
 14.56 Top of divide, brs. E and W. Descend 195 ft., on NE. slope.
 27.20 Head of ravine, course E. Ascend 40 ft. on SE. slope.
 33.20 Top of spur, projecting SE. Descend 70 ft. on NE. slope.
 40.28 Intersect the original cor. of secs. 16, 17, 20 and 21, which is a granite boulder, 4x3x2 ft. above ground, marked with a cross (x) on top, 3 notches on S. face, and 4 notches on E. face, and witnessed by mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor., and
 A cedar, 45 ins. diam., brs. S. 46 $\frac{1}{2}$ ° E., 74 lks. dist., marked T18N R9W S21 BT. Original SW. bearing tree is missing.
 After setting closing cor. of secs. 17 and 20, change this cor. to refer to secs. 16 and 21 only, by obliterating notches on E. face of stone, marking 3 notches on N. face, moving mound of stone from W. to E. of cor., and establishing a new bearing tree as follows:
 On a cedar, 50 ins. diam., bearing N. 70 $\frac{1}{2}$ ° E., 105 lks. dist., mark T18N R9W S16 BT.
 "O.R." Change this cor. back to its original designation as hereinafter described.
 Land, mountainous.
 Soil, rocky, 3rd rate.
 Timber, scattering cedar.
 Undergrowth, oak brush, cactus, yucca and chaparral.

- N. 0° 31' W. on true line, on W. bdy. of sec. 16 (S. $\frac{1}{2}$).
 Over mountainous land, thru, scattering undergrowth.
 "O.R." 87 "O.R." Intersect Jackson's closing cor. of secs. 17 and 20, and destroy all trace of same, as hereinafter described.
 10.80 Spur, projecting E. Descend 100 ft. on NE. slope.
 18.50 Bottom of ravine, course E. Ascend 45 ft. on SE. slope.
 22.00 Spur, projecting E. Descend 150 ft.
 39.63 Intersect the original $\frac{1}{4}$ sec. cor. of secs. 16 and 17, which is a granite stone, 12x12x5 ins. above ground, firmly set, marked "1" on W. face, and witnessed by mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Change this cor. to $\frac{1}{4}$ sec. cor. of sec. 16 only, by moving mound of stone from west to east of cor.
 "O.R." Change this cor. back to its original designation and description.

RETRACED.

- North, on true line on W. bdy. of sec. 16 (N. $\frac{1}{2}$).
 Over mountainous land, thru, scattering undergrowth.
 Descend 70 ft., on NE. slope.
 3.60 Bottom of ravine, course E. Ascend 40 ft. on SE. slope.
 9.60 Top of spur, projecting E. Descend 160 ft. on NE. slope.
 25.90 Bottom of ravine, course NE. Ascend 140 ft. on SE. slope.

Retracement and Resurvey of portion of Subdivision of T 18 N. R. 9 W. 9

Chains.

RETRACED (Continued)

38.40 Top of ridge, brs. NE and SW. Descend 25 ft. on NW slope.
 40.62 Intersect the original cor. of secs. 8, 9, 16 and 17, which is a granite stone, 9x8x6 ins. above ground, firmly set, marked with 4 notches on each of S. and E. edges, and witnessed by mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. No bearing trees.
 Land, mountainous.
 Soil, rocky, 4th rate.
 No timber.
 Undergrowth, oak brush, cactus, yucca and chaparral.

S 89°51' W., on true line, on S. bdy. of sec. 8 (E. 1/2).
 Over mountainous land, thru. dense undergrowth.
 7.00 Descend 240 ft. on SW. slope.
 36.50 Bottom of ravine, course NW. Ascend gradually on NW. slope.
 39.80 Intersect the original 1/2 sec. cor. of secs. 8 and 17, which is a volcanic stone, 10x8x6 ins. above ground, firmly set, marked "1/2" on N. face, and witnessed by mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor. After setting closing cor. of secs. 17 and 18, this cor. becomes 1/2 sec. cor. of sec. 8 only. No change in marking or accessory required.
 "O.R." Change description of this cor. to 1/2 sec. cor. of secs. 8 and 17. No change in marking or accessory required.

RESURVEY.

S. 89°46' W. on true line, on S. bdy. of sec. 8 (W. 1/2).
 Over mountainous land, thru. dense undergrowth; continuing gradual ascent.
 .40 Top of spur, projecting NW. Descend 100 ft. on NW. slope.
 10.30 Thence ascend.
 13.30 Bottom of ravine, course NE. Thence ascend on SE. slope.
 35.53 Closing cor. of secs. 17 and 18 set here as hereinafter described.
 39.13 510 ft. above ravine.
 Intersect original cor. of secs. 7, 8, 17 and 18, which is a sandstone, 15x10x5 ins. above ground, firmly set, marked with 4 notches on S. edge and 5 notches on E. edge, and witnessed by mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.
 After setting closing cor. of secs. 17 and 18, reestablish this cor. to refer to secs. 7 and 8 only, as hereinafter described.
 Land, mountainous.
 Soil, rocky, 4th rate.
 No timber.
 Undergrowth, oak brush, cactus, yucca and chaparral.

N. 0°15' W., on true line, on W. bdy. of sec. 8 (S. 1/2).
 Over mountainous land, thru. scattering undergrowth.
 Descend 430 ft., on NW. slope.
 28.15 Bottom of gulch, course NE. Ascend on SE. slope, broken.
 40.00 Set a sandstone rock, 14x6x5 ins., 9 ins. in the ground, for reestablished 1/2 sec. cor. of sec. 7 only, marked "1/2" on W. face, and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. No iron post available.
 41.52 Intersect original 1/2 sec. cor. of secs. 7 and 8, which is a sandstone, 12x6x4 ins. above ground, firmly set, marked "1/2" on W. face, and witnessed by mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. Reestablish this cor. to refer to sec. 8 only.

N. 0° 18' W. on true line, on W. bdy. of sec. 8 (N. 1/2).

Retracement & Resurvey of portion of subdivision of T.18 N., R.9 W.
10.

Chains.

RESURVEY (Continued)

- Over mountainous land, thru scattering undergrowth; descend.
- 3.50 Bottom of ravine, course SE.
- 17.90 Top of spur, projecting NE., 270 ft. above 28.15 ch. pt.
Descend 85 ft. on NE. slope.
- 26.10 Bottom of ravine, course E. Ascend 170 ft. on SE. slope.
- 34.60 Spur, projecting NE. Descend 30 ft. on NE. slope.
- 38.73 (80.25 chs. northerly from cor. of secs. 7 and 8) Cor. of secs.
6 and 7 set here as hereinafter described.
- 41.03 Intersect original cor. of secs. 5, 6, 7 and 8, which is a
lava stone, 18x12x9 ins. above ground, firmly set, marked
with 5 notches on each of S. and E. edges, and witnessed
by mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Af-
ter setting cor. of secs. 6 and 7, and cor. of secs. 5 and 6,
reestablish this cor. to refer to sec. 8 only (NW. cor.)
as hereinafter described.
- Land, mountainous.
Soil, rocky, 4th rate.
No timber.
Undergrowth, oak brush, cactus, yucca and chaparral.

- S. 88°38' E., on true line, on N. bdy. of sec. 8 (W. ½).
- Over mountainous land, thru scattering undergrowth.
Descend 475 ft. on NE. slope.
- 4.04 Cor. of secs. 5 and 6 set here as hereinafter described.
- 39.62 Intersect the original ¼ sec. cor. of secs. 5 and 8, which is
a volcanic stone, 15x6x5 ins. above ground, firmly set,
marked ¼ on N. face, and witnessed by mound of stone 2
ft. base, 1½ ft. high, N. of cor. No bearing trees. Rees-
tablish this cor. to refer to sec. 8 only by moving the
mound of stone from N. to S. of cor.
- "O.R." Change this cor. back to its original designation
by moving the mound of stone from S. to N. of cor.

RETRACEMENT.

- S. 88°43' E., on true line, on N. bdy. of sec. 8 (E. ½).
- Over mountainous land, thru scattering undergrowth; descend.
- 4.43 "O.R." Intersect Jackson's reestablished ¼ sec. cor. of sec.
5, which is a malpais stone, 8x5x5 ins. above ground,
firmly set, marked ¼ on N. face, and witnessed by a mound
of stone, N. of cor.
- Destroy all trace of this cor.
- 6.40 Bottom of ravine, course NE. Ascend 250 ft. on NW. slope.
- 31.30 Top of ridge, brs. NE. and SW. Descend 125 ft. on NE. slope.
- 39.10 Intersect the original cor. of secs. 4, 5, 8 and 9, which is
a granite stone 8x6x6 ins. above ground, firmly set,
marked with 5 notches on S. edge, and 4 notches on E. edge,
and witnessed by mound of stone, 2 ft. base, 1½ ft. high, W.
of cor.
- Land, mountainous.
Soil, rocky, 4th rate.
No timber.
Undergrowth, oak brush, cactus, yucca and chaparral.

RESURVEY.

- N. 1° 23' W., on true line, bet. secs. 4 and 5.
- Over mountainous land, thru scattering undergrowth. Descend
gradually 70 ft. along ridge.
- 19.40 Top of ridge, bearing NE. and SW. Descend 170 ft. on NW.
slope of same.
- 37.60 Bottom of ravine, course NE. Ascend 230 ft. on SE. slope.
- 39.54 "O.R." Intersect Jackson's reestablished ¼ sec. cor. of sec.
5, which is a granite stone, 10x6x6 ins. above ground,
firmly set, marked ¼ on W. face, and witnessed by mound of

Retracement & Resurvey of portion of Subdivision of T.18 N., R.9 W., 11

Chains.

RESURVEY (continued)

- stone W. of cor.
Destroy all trace of this cor.
- 40.56 (Proportional dist.) "O.R." Intersect Jackson's reestablished $\frac{1}{2}$ sec. cor. of sec. 4, which is a sandstone, 12x5x5 ins. above ground, firmly set, marked "1" on W face, and witnessed by mound of stone, E. of cor. No bearing trees. Change this cor. to reestablished $\frac{1}{2}$ sec. cor. of secs. 4 and 5 by destroying mound of stone, E. of cor., and raising a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. No change made in marking on stone.
- 56.00 Spur, projecting SE. Descend 240 ft. on NE. slope.
- 81.12 Intersect the original cor. of secs. 4, 5, 32 and 33, on N. bdy. of Tp., hereinbefore described.
Land, mountainous.
Soil, 4th rate, rocky.
No timber.
Undergrowth, oak brush, cactus, yucca and chaparral.
-
- From the reestablished cor. of secs. 31 and 32, on S. bdy. of Tp., hereinbefore described,
N. 0° 3' W., on a true line, bet. secs. 31 and 32.
Over mountainous land, thru. scattering undergrowth.
Descend 500 ft., on N. slope.
- 23.00 Gulch, course SW. Stream 10 lks. wide; ascend on SE. slope.
- 40.00 Reestablish missing $\frac{1}{2}$ sec. cor. as follows:
Set a limestone, 14x12x6 ins., 9 ins. in the ground, for reestablished $\frac{1}{2}$ sec. cor., of secs. 31 and 32, marked $\frac{1}{4}$ on W. face, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. No iron post available.
- 55.50 Spur, projecting SE., 575 ft. above bottom of gulch. Descend 80 ft. on NE. slope.
- 74.10 Bottom of ravine, course SE. Ascend 90 ft. on SE. slope.
- 79.49 (At intersection with a line run due east from the reestablished cor. of secs. 25, 30, 31 and 36, on W. bdy. of Tp., hereinbefore described) reestablish cor. of secs. 31 and 32 only, as follows:
Set a malpais stone, 16x10x8 ins., 11 ins. in the ground, marked with 5 notches on E. edge, and 1 notch on S. edge, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, S. of cor. No iron post available.
Land, mountainous.
Soil, rocky, 4th rate.
No timber.
Undergrowth, oak brush.
-
- "O.R." The Jackson reestablished cor. of secs. 21 and 28 is a volcanic stone, 12x8x6 ins. above ground, firmly set, marked with 2 notches on S. and 4 notches on N. edge, and witnessed by mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, E. of stone.
At a point on line, bet. secs. 20 and 21, N. 0° 30' W., 72 lks. dist., from above described sec. cor., find the Jackson closing cor. of secs. 20 and 29, which is a granite stone, 8x5x5 ins. above ground, firmly set, properly marked and witnessed by a mound of stone, W. of cor.
Destroy all trace of this cor., and change Jackson's reestablished cor. of secs. 21 and 28 back to its original designation by obliterating marking on N. edge of stone, marking 4 notches on E. edge and moving the mound of stone from E. to W. of cor.
Thence,
"O.R." N. 89° 46' W., on true line, bet. secs. 20 and 29 (E. $\frac{1}{2}$).
Over mountainous land, thru. scattering undergrowth.
Ascend 85 ft. on E. slope.
- 28.00 Ridge, brs. N. and S. Descend 160 ft. on W. slope, to
- 36.45 "O.R." The Jackson reestablished $\frac{1}{2}$ sec. cor. of secs. 20 and 29, brs. N. 56 lks. dist. This cor. is a malpais stone,

12. Retracement and Resurvey of portion of Subdivision of T.18 N., R.9 W.

Chains.

12x6x6 ins. above ground, firmly set, properly marked, and witnessed by a mound of stone, N. of cor. Destroy all trace of this cor.

39.63 Descend 110 ft. on W. slope to "O.R." The point at which Transitman Jackson destroyed all trace of the original $\frac{1}{4}$ sec. cor. of secs. 20 and 29, as reported in his records. Reestablish the cor. at this point as follows:
Set a malpais stone, 18x12x6 ins., 12 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor. of secs. 20 and 29, marked " $\frac{1}{4}$ " on N. face, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

Thence;
West, on true line, bet. secs. 20 and 29 (W. $\frac{1}{2}$).
Continuing measurement.
Over mountainous land, thru scattering undergrowth.
Descend 200 ft. on W. slope.

50.70 Ravine, course SW. Ascend 31 ft. on SE. slope.

53.20 Spur, slopes SW. Descend 115 ft. on NW. slope.

68.15 Bottom of canyon, course S. Descend 30 ft. across bottom of canyon to

76.10 Dry creek, 40 lks. wide, course SE. from N.

76.45 "O.R." Intersect E. bdy. of sec. 30, at a point 56 lks. S. 0° 1' W. from Jackson's reestablished cor. of secs. 19, 20, 29 and 30, hereinafter described.
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 reestablished cor. of secs. 20 and 29, marked on brass cap,

T18N R9W
S30 | S20
 | S29
1919

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, E. of cor.
Jackson's reestablished cor. of secs. 19, 20, 29 and 30, changed to refer to secs. 19 and 30 only, as hereinafter described.
Land, mountainous.
Soil, rocky, 4th rate.
No timber.
Undergrowth, scattering scrub oak, cactus and yucca.

Completion of Subdivision of Township '18 North, Range 9 West.

From the reestablished cor. of secs. 25, 30, 31 and 36, on W. bdy. of Tp., hereinbefore described,
East, on a true line, bet. secs. 30 and 31.
Over mountainous land, thru scattering undergrowth.
Descend 260 ft. on NE. slope.

11.40 Foot of descent; stream 3 lks. wide, course SE. Ascend 35 ft. on SW. slope.

13.20 Spur, projecting S. Thence along S. slope.

19.20 Spur, projecting SE. Descend 240 ft. on NE. slope.

36.20 Bottom of gulch, course S. Stream 70 lks. wide, course S. Ascend on NW. slope.

38.32 (Proportional dist. based on S. bdy. of sec. 31) true point for $\frac{1}{4}$ sec. cor. of sec. 31 only.)
Point falls in location, where it is impracticable to place a monument; therefore, at

38.42 (10 lks. E. of the true point, and 5 lks. S. of same), mark a cross (x) on a boulder, 4x2x2 ft. above ground, for witness cor. to $\frac{1}{4}$ sec. cor. of sec. 31, marked " $\frac{1}{4}$ " on N., and "WC" NE. of cross (x), and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, S. of cor.
No iron post available.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., of sec. 30, with brass cap, marked,

Completion of Subdivision of Township 18 North, Range 9 West, 13

Chains

1/4 S 30

1916

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

63.80 Ridge, brs. N. and S., 625 ft. above gulch. Descend 240 ft. on SE. slope.

77.12 The cor. of secs. 31 and 32, hereinbefore described.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for reestablished cor. of secs. 29 and 30, with brass cap, marked

T18N R9W
S30 | S29

1916

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

Land, mountainous.

Soil, rocky, 4th rate.

No timber.

Undergrowth, oak brush, cactus and yucca.

40.00 East, on a random line, on S. bdy. of sec. 29. Set temp. 1/4 sec. cor. for sec. 29.

76.23 Intersect N. and S. line, 5 lks. N. of the cor. of secs. 28, 29, 32 and 33, hereinbefore described.

Thence,
N. 89° 58' W., on a true line, bet. secs. 29 and 32.
Over mountainous land, thru. scattering undergrowth.
Ascend gradually along broken S. slope, 20 ft.

6.00 Spur, projecting SW. Descend 320 ft.

23.55 Bottom of Ravine, course SW.
Ascend 175 ft. on SE. slope.

31.10 Spur, projecting SW.
Descend 175 ft.

36.23 "O.R." Intersect the Jackson 1/4 sec. cor. of sec. 29, which is a 1 in. iron post, with brass cap, 10 ins. above ground, firmly set, properly marked and witnessed by a mound of stone, N. of cor. Destroy all trace of this corner.

37.90 Bottom of ravine, course SW.
Ascend 200 ft. on SE. slope.

"O.R." 39.55 1/2 (Midpoint of N. bdy. of sec. 32) "O.R." Set a sandstone, 14x12x4 ins., 10 ins. in the ground, for 1/4 sec. cor. of sec. 32, marked "1/4" on S. face, and raise a mound of stone 2 ft. base, 1 1/2 ft. high, S. of cor.

39.97 "O.R." Intersect the Jackson 1/4 sec. cor. of sec. 32, which is a granite stone, 14x5x5 ins. above ground, firmly set, properly marked and witnessed by a mound of stone, S. of cor. Destroy all trace of this cor.

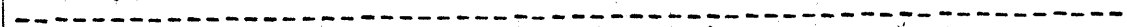
"O.R." 40.00 "O.R." Set a sandstone, 16x12x4 ins., 12 ins. in the ground for 1/4 sec. cor. of sec. 29, marked "1/4" on N. face, and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.

14. Completion of Subdivision of Township 18 North Range 9 West.

Chains.

- 47.20 Spur, projecting SW. Descend 365 ft.
- 59.65 Bottom of gulch, course SW. Stream, 20 lks. wide. Ascend 340 ft. on NE. slope.
- 76.23 The reestablished cor. of secs. 29 and 30.

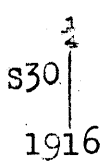
Land, mountainous.
Soil, rocky, 3rd rate.
No timber.
Undergrowth, oak brush, cactus and yucca.



- 10.50 N. 0° 1' E., "O.R." on E. bdy. of sec. 30. Over mountainous land, thru. scattering undergrowth. Descend 150 ft. on NE. slope.
- 22.00 Bottom of ravine, course SE. Ascend 230 ft.
- 29.75 Spur, projecting SE. Descend 100 ft. on NE. slope.
- 36.70 Bottom of ravine, course SE. Ascend 70 ft.
- Spur, projecting SE. Descend 80 ft. on NE. slope.

"OR" 39.44 (40.00 chs. S. 0° 1' W. from reestablished cor. of secs. 20 and 29), "O.R."
Set a limestone, 16x12x4 ins.; 12 ins. in the ground, for $\frac{1}{4}$ sec. cor. of sec. 29, marked " $\frac{1}{4}$ " on E. face, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, E. of cor.

40.00 "OR." Intersect the Jackson $\frac{1}{4}$ sec. cor. of secs. 29 and 30, which is an iron post, 1 in. in diam., 10 ins. above ground, firmly set, properly marked on brass cap, and witnessed by a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
Change this cor. to refer to sec. 30 only by changing marking on brass cap to read:



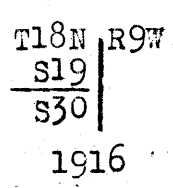
46.60 leaving accessory unchanged,
Bottom of ravine, course SE. Ascend 265 ft.

60.00 Ridge, brs NW and SE. Descend 290 ft. on NE. slope.

"OR" 79.44 "OR" Intersect the reestablished cor. of secs. 20 and 29, hereinbefore described.

80.00 "O.R." Intersect the Jackson reestablished cor. of secs. 19, 20, 29 and 30, which is an iron post, 2 ins. in diam., 12 ins. above ground, firmly set, properly marked, and witnessed by a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

Change this cor. to reestablished cor. of secs. 19 and 30, by changing marking on brass cap, to read:



leaving accessory unchanged.

Completion of Subdivision of Township 18 North, Range 9 West, 15

Chains.

Land, mountainous.
Soil, rocky, 3rd rate.
Timber, scattering juniper.
Undergrowth, oak brush, cactus and yucca.

West, on a random line, bet. secs. 19 and 30.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.82 Intersect W. bdy. of Tp., 4 lks. S. of the cor. of secs. 19, 24, 25 and 30, hereinbefore described.

Thence,
S. 89° 58' E., on a true line, bet. secs. 19 and 30.
Over mountainous land, thru dense undergrowth.
Ascend 75 ft. on SW. slope.
6.80 Spur projecting SE.
Descend 530 ft.
23.90 Bottom of ravine, course SE.
Ascend on W. slope.
39.91 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked

S 19
 $\frac{1}{4}$
S 30
1916

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
53.80 Ridge, brs. NW. and SE., 510 ft. above bottom of ravine.
Descend 240 ft. on NE. slope.
65.00 Spur, projecting NE.
Descend 280 ft. on SE. slope.
79.82 "O.R." The reestablished cor. of secs. 19 and 30.

Land, mountainous.
Soil, rocky, 4th rate.
No timber.
Undergrowth, oak brush, cactus, yucca and juniper.

N. 0° 01' E. "O.R." on E. bdy. of sec. 19.
Over mountainous land, thru dense undergrowth on NE. slope.
3.10 Stream bed, 30 lks. wide, course SE.
Ascend 780 ft. on broken SW. slope.
"OR" 39.44 (40.00 chs. N. 0° 1' E., from reestablished cor. of secs. 20 and 29) "O.R." Set a sandstone, 14x10x6 ins., 10 ins. in the ground, for $\frac{1}{4}$ sec. cor. of sec. 20, marked "1" on E. face, and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor.

40.00 "O.R." Intersect the Jackson $\frac{1}{4}$ sec. cor. of secs. 19 and 20, which is an iron post, 1 in. in diam., 10 ins. above ground, firmly set, properly marked on brass cap, and witnessed by a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Change this cor. to refer to sec. 19 only by changing marking on brass cap, to read:

S 19 $\frac{1}{4}$
|
1916

16 Completion of subdivision of Township 18 North, Range 9 W.

Chains.

leaving accessory unchanged.

- 51.76 Spur projecting E. Descend 60 ft. on NE.slope.
- 54.50 Bottom of ravine, course SE. Ascend 260 ft. on SE.slope.
- 70.00 Ascend 90 ft.on SW.slope.

"OR"

- 79.13 "O.R." Intersect cor.of secs. 17 and 20, hereinafter de-
scribed.
- 80.00 "O.R." Intersect the Jackson cor.of secs.17,18,19 and 20,
which is a granite stone, 14x9x5 ins. above ground,
firmly set, marked with 3 notches on S.edge, and 5
notches on E.edge, and witnessed by mound of stone, 2
ft. base, 1½ ft. high, W. of cor.
Change this cor. to refer to secs.18 and 19 only by oblit-
erating notches on E. edge of stone, and marking 3
notches on N. edge. No change made in accessory.

Land, mountainous.
Soil, rocky, 3rd rate.
No timber.
Undergrowth, oak brush, cactus and yucca.

- 40.00 West, on a random line, bet. secs.18 and 19.
Set temp. ¼ sec. cor.
- 79.86 Intersect W. bdy. of Tp., 21 lks. N. of the cor. of secs.
13, 18, 19 and 24, hereinbefore described.
Thence,
N. 89° 51' E., on a true line, bet. secs.18 and 19.
Over mountainous land, thru. dense growth of scrub oak
and walnut.
- 18.00 Descend 55 ft., along gentle SE. slope.
Bottom of ravine, course SW. Thence thru. scattering
undergrowth.
- 26.85 Ascend 135 ft. on SW.slope.
Spur, sloping SW.
- 28.60 Descend 35 ft. on SE.slope.
Bottom of ravine, course SW.
- 35.40 Ascend on NW.slope.
Ridge, brs. NE and SW., 300 ft. above ravine.
- 39.93 Descend on SE.slope.
Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
the ground, for ¼ sec. cor., with brass cap, marked

S 18
—
¼
S 19
1916

- 45.65 and raise a mound of stone, 2 ft. base, 1½ ft. high, N.
of cor.
Bottom of gulch, course SW. Stream 3 lks. wide, 225 ft. be-
low ridge.
- 72.85 Ascend 510 ft., on broken NW.slope.
Ridge, bearing NE. and SW.
- 79.86 "O.R." The cor. of secs. 18 and 19.

Land, mountainous.
Soil, rocky, 4th rate.
No timber.
Undergrowth, oak brush, walnut, cactus and yucca.

Completion of Subdivision of Township 18 North, Range 9 West. 17

Chains.

"O.R." At a point on line, bet. secs.16 and 17, N.0° 31'W., from the Jackson reestablished cor.of secs. 16 and 21, hereinbefore described, find the Jackson closing cor.of secs. 17 and 20, which is an iron post, 2 ins. in diam., 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by mound of stone W.of cor.

Destroy all trace of this cor., and change the Jackson reestablished cor.of secs. 16 and 21 back to its original designation, by obliterating notches on N.face of stone, marking 4 notches on E.face, and moving the mound of stone from E.to W.of cor.

Thence,

"O.R." West, on true line, bet. secs.17 and 20.

Over mountainous land, thru scattering undergrowth. Ascend 580 ft. on NE. slope.

24.25 Divide, brs. NW. and SE. Descend 375 ft. on SW. slope.

35.72 "O.R." The Jackson 1/4 sec. cor. of sec.17 and 20, brs. N.87 lks. dist. This cor. is an iron post, 1 in. in diam., 10 ins. above ground, firmly set, properly marked on brass cap, and witnessed by mound of stone, N. of cor.

Destroy mound of stone, take up iron post, measure 428 lks. W., and 87 lks. S., and at

"O.R." 40.00 "O.R." Reset above described iron post, 26 ins. in the ground for 1/4 sec. cor. of secs.17 and 20, making no change in the marking on brass cap, which reads:

S 17
S 20
1916

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

47.50 Bottom of ravine, course SW. Ascend 25 ft. on SE. slope.

55.90 Spur, projecting SW. Descend 125 ft.

61.90 Bottom of ravine, course SW. Ascend 100 ft. on SE. slope.

69.50 Spur, projecting SW. Descend 40 ft. to

75.72 "O.R." Intersect E. bdy. of sec.19 at a point 87 lks. S. 0°1' W. from cor. of secs.18 and 19, hereinbefore described.

At point of intersection,

On a granite boulder in place, 3x2 1/2x2 ft. above ground, mark a cross (x) on top, 5 notches on E. face, and 3 notches on S. face for cor. of secs.17 and 20, and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, E. of cor.

Land, mountainous.

Soil, rocky, 4th rate.

No timber.

Undergrowth, oak brush, cactus and yucca.

N.0° 01' E., "O.R." on E. bdy. of sec.18.

Over mountainous land, thru scattering undergrowth. Asc. 60 ft. on SE. slope.

7.60 Spur, projecting SW. Descend 40 ft. on NW. slope.

12.60 Ravine, course SW. Ascend 35 ft. on SW. slope.

14.20 Spur, projecting SW. Descend 50 ft. on NW. slope.

18.00 Ravine, course SW. Ascend gradually on SW. slope.

19.00 Spur, projecting SW. Descend gradually on NW. slope.

20.60 Top of divide, brs. NW. and SE. A ravine runs SW. from divide. Descend 625 ft. on rough, broken NW. slope.

"O.R." 39.62 (40.49 chs. N. 0°1' E. from cor. of secs.17 and 20, and 40.00 chs. S. 0°1' W. from closing cor. of secs.17 and 18) "O.R." Set a sandstone, 20x12x10 ins., 15 ins. in the ground, for 1/4 sec. cor. of sec.17, marked "1/4" on E. face, and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, E. of cor.

40.00 "O.R." Intersect the Jackson 1/4 sec. cor. of secs.17 and 18, which is an iron post, 1 in. in diam., 10 ins. above ground, firmly set, properly marked on brass cap, and witnessed by mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

186. Completion of Subdivision of Township 18 North, Range 9 West

Chains.

Change this cor. to $\frac{1}{4}$ sec. cor. of sec. 18 only, by changing marking on brass cap, to read

s18
|
1916

leaving accessory unchanged.

58.80 Bottom of ravine, course NE. Ascend gradually on SE. slope.

64.75 Spur, projecting NE. Descend 20 ft. on N. slope.

66.70 Ravine, course NE. Ascend 335 ft. on SE. slope.

79.62 Intersect S. bdy. of sec. 8, at a point 360 lks. N. 89° 46' E., from original cor. of secs. 7, 8, 17 and 18, hereinbefore described. Reestablish said cor. to refer to secs. 7 and 8, by obliterating notches on S. edge of stone, marking 1 notch on W. edge, destroying the mound of stone W. of cor., and building a mound of stones 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

At point of intersection,

Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for closing cor. of secs. 17 and 18, with brass cap, marked

T18N R9W.
S 8

s18 | s17
T18N | R9W
C C
1916

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

Land, mountainous.

Soil, rocky, 4th rate.

No timber.

Undergrowth, oak brush, cactus and yucca.

36.40 From the reestablished cor. of secs. 7 and 8, West, on a random line, on S. bdy. of sec. 7. (40.00 chs. W. of the closing cor. of secs. 17 and 18), Set temp. $\frac{1}{4}$ sec. cor.

76.14 Intersect W. bdy. of Tp., 44 lks. S. of the cor. of secs. 7, 12, 13 and 18, hereinbefore described.

Thence S. 89° 40' E., on a true line, on N. bdy. of sec. 18.

Over mountainous land, thru scattering undergrowth.

Descend 780 ft. on NE. slope.

38.50 Bottom of ravine, course E. Descend along bottom of same.

39.87 (Midpoint of N. bdy. of sec. 18),

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

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

S 18
1916

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

51.00 Leave ravine, course NE., 140 ft. below 38.50 ch. point. Ascend 370 ft. on NW. slope.

67.00 Ridge, brs. NE* and SW. Descend 75 ft. on SE. slope.

76.14 Intersect the reestablished cor. of secs. 7 and 8.

Thence

N. 89° 46' E., on true line, continuing measurement.

79.74 Intersect closing cor. of secs. 17 and 18.

Land, mountainous.

Soil, rocky, 4th rate.

No timber.

Undergrowth, oak brush, cactus and yucca.

Completion of Subdivision of Township 18 North, Range 9 West. 18

Chains.

From the cor. of secs. 1, 6, 7 and 12, on W. bdy. of Tp., here-
inbefore described,
S. 89°40'E., on a true line, bet. secs. 6 and 7, (parallel to
S. bdy. of sec. 7).

- Over mountainous land, thru scattering undergrowth. Asc.
225 ft. on NW. slope.
- 7.00 Ridge, brs. NE. and SW. Descend 520 ft. on SE. slope.
- 26.20 Bottom of Pine Canyon, course NE. Asc. 225 ft. on NW. slope.
- 39.90 (Midpoint) Set a limestone, 14x10x5 ins., 9 ins. in the ground,
for 1/4 sec. cor., marked "1/4" on N. face, and raise a mound
of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.
No iron post available.
Ascend 350 ft.
- 68.30 Ridge, brs. NE. and SW. Descend 220 ft.
- 75.76 Intersect W. bdy. of sec. 8, 230 lks. S. 0°18'E. of the original
cor. of secs. 5, 6, 7 and 8, hereinbefore described.
Change said cor. to reestablished cor. of sec. 8 only (NW. cor.)
by destroying mound of stone, W. of cor., and building a
mound of stone, 2 ft. base, 1 1/2 ft. high, SE. of cor. No
change made in marking on stone.
At point of intersection,
Set a granite stone, 14x10x6 ins., 9 ins. in the ground, for
cor. of secs. 6 and 7, marked with 5 notches on each of
S. and E. edges; and raise a mound of stone, 2 ft. base,
1 1/2 ft. high, W. of cor.
No iron post available.
At a point on N. bdy. of sec. 8, N. 0°01'E. of the closing cor.
of secs. 17 and 18, 4.04 chs. S. 88°38'E. of the reestab-
lished NW. cor. of sec. 8, reestablish cor. of secs. 5 and
6 as follows:
Set a granite stone, 18x10x8 ins., 12 ins. in the ground,
marked with 5 notches on E. edge, and 1 notch on N. edge,
and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of
cor.
Land, mountainous.
Soil, rocky, 4th rate.
No timber.
Undergrowth, oak brush, cactus and yucca.

N. 0°01'E. on true line, bet. secs. 5 and 6.
Over mountainous land, thru scattering undergrowth. Ascend
180 ft. on SE. slope.

- 23.50 Ridge, brs. NE. and SW.
- 24.60 Descend on NW. slope.
- 37.80 (40.00 chs. N. of E. and W. line, thru cor. of secs. 6 and 7) "O.
R." The Jackson 1/4 sec. cor. of secs. 5 and 6 is a lava
stone, 10x6x5 ins., above ground, firmly set, marked "1/4"
on W. face, and witnessed by mound of stone, 2 ft. base,
1 1/2 ft. high, W. of cor.
This 1/4 sec. cor. now refers to sec. 6 only. No change in
marking or accessory is required.
- "O.R." 39.64 (Midpoint of W. bdy. of sec. 5) "O.R." Set a sandstone 16x8x4
ins., 12 ins. in the ground, for 1/4 sec. cor. of sec. 5
only, marked "1/4" on E. face, and raise a mound of stone, 2
ft. base, 1 1/2 ft. high, E. of cor.
- 56.40 Bottom of Pine Canyon, course NE., 610 ft. below ridge.
Ascend 200 ft. on SE. slope.
- 79.29 Intersect S. bdy. of Tp. 19 N. R. 9 W., 6.23 chs. S. 89°42'E. of
the reestablished cor. of secs. 31 and 32, hereinbefore
described.
At point of intersection,
Set a granite stone, 15x9x5 ins., 10 ins. in the ground,
for closing cor. of secs. 5 and 6, marked with 5 grooves
on E. and 1 groove on W. face, and "OO" on S. face; raise
a mound of stone, 2 ft. base, 1 1/2 ft. high, S. of cor. No iron
post available.
Land, mountainous.
Soil, rocky, 4th rate.
No timber.
Undergrowth, oak brush, cactus and yucca.

20 Completion of Subdivision of Township 18 North, Range 9 West.

Boundaries of West portion of Township 18 North, Range 9 West.

Latitudes, Departures, and Closing Errors.

Line designated,	True course.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
South boundary,	N. 89° 52' W.	39.74	.09			39.74
	N. 89° 51' W.	116.24	.30			116.24
West boundary,	N. 0° 12' W.	.79.26	79.26			.28
	North,	401.23	401.23			
North boundary,	S. 89° 42' E.	152.82		.80	152.82	
Subdivisional Boundary,	S. 1° 23' E.	81.12		81.12	1.96	
	N. 88° 43' W.	39.10	.88			39.09
	N. 88° 38' W.	39.62	.95			39.61
	S. 0° 18' E.	41.03		41.03	.21	
	S. 0° 15' E.	41.52		41.52	.18	
	N. 89° 46' E.	39.13	.16		39.13	
	N. 89° 51' E.	39.80	.11		39.80	
	South,	40.62		40.62		
	S. 0° 31' E.	39.63		39.63	.36	
	S. 0° 07' W.	40.28		40.28		.08
	S. 0° 30' E.	39.57		39.57	.34	
	S. 0° 17' E.	39.76		39.76	.20	
	S. 0° 10' E.	39.54		39.54	.12	
	S. 0° 04' W.	40.24		40.24		.05
S. 0° 23' W.	39.70		39.70		.27	
Convergency,					.16	
Totals,			482.98	483.79	235.28	235.36
				482.98		235.28
Error in latitude,					.81	
Error in departure,						.08

GENERAL DESCRIPTION.

The part of this township described in the foregoing field notes is located in the southeast part of the Mohon Mountains, and is very broken and rugged. A main watershed passes thru. secs. 17, 18, and 20, from which the drainage is north, towards Cow Creek, and Trout Creek, and south towards Francis and Spencer Creeks.

Permanent running water exists in section 30.

The soil is rocky, 4th rate; non-agricultural.

Vegetation consists of growths of varying density of oak brush, cactus, yucca, manzanita, scrub cedar and chaparral, with some live oak and aspen in the bottom of canyons, and a few scattered pine trees in Pine Canyon in sec. 6. The grass is scant and short.

No indications of valuable mineral were noted.

There are no settlers.

Book "J"

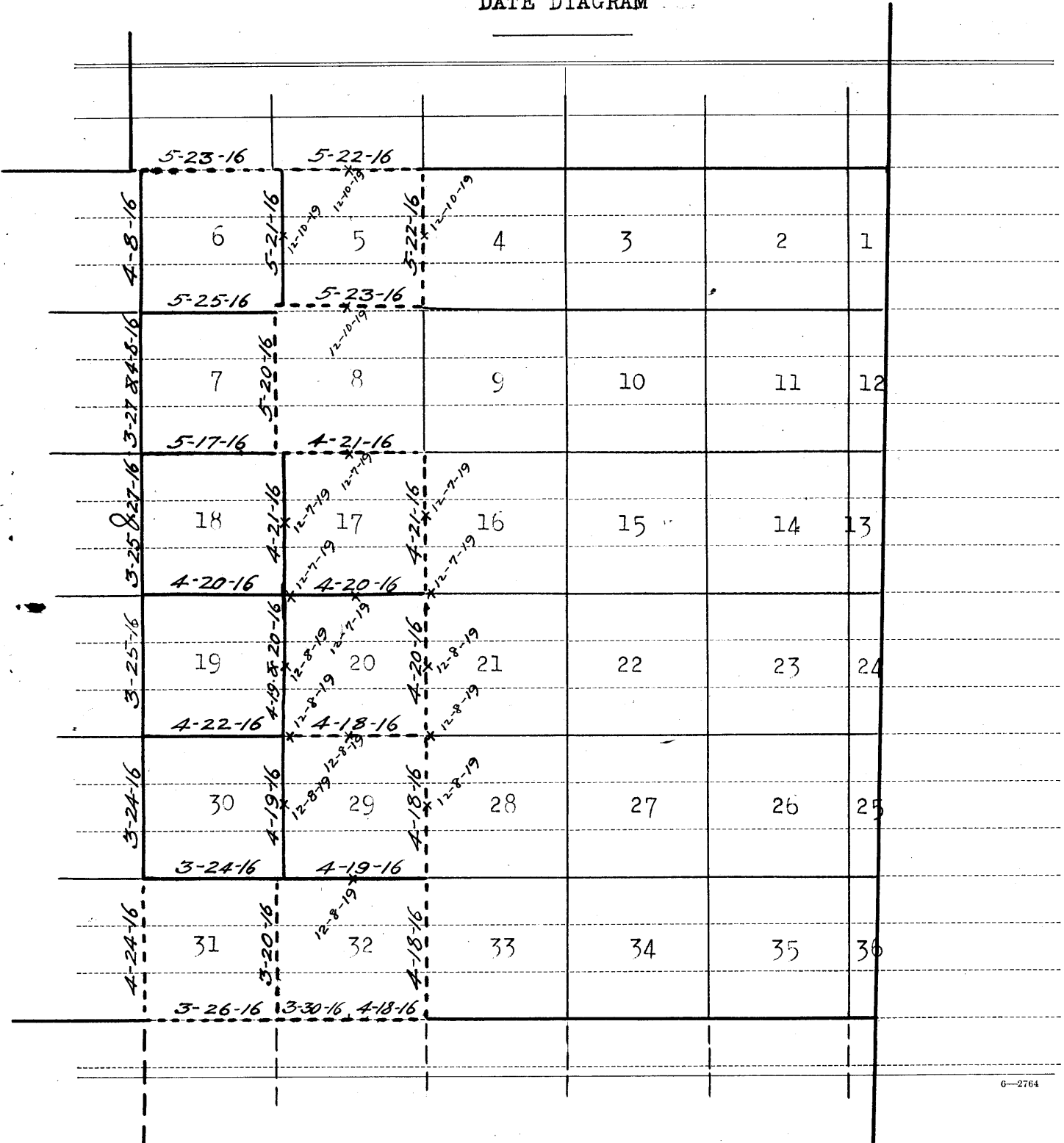
Group 50 - - - Arizona

BOOK 3211

4-680

Township 18 North, Range 9 West.

DATE DIAGRAM



6-2764

Surveys executed on dates shown in red on full lines, and resurveys on dotted lines on above diagram, by Harry, D. Jackson, U. S. Transitman.

Corrections as noted above in black by Otis Ross, U.S. Surveyor.

CERTIFICATE OF UNITED STATES

22
BOOK 3211

I, H. D. Jackson, U. S. Transitman, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 50, Arizona, bearing date of the 20th day of February, 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 West boundary~~ and subdivision lines, ~~retraced all those parts or portions of the~~ South boundary, ~~and subdivision lines,~~ and resurveyed all those parts or portions of the South and West boundaries and subdivision lines of TOWNSHIP 18 NORTH, RANGE 9 WEST, and South bdy. of TOWNSHIP 19 NORTH, RANGE 9 WEST, of the Gila and Salt River Base and Meridian, in the State of Arizona, which are represented in the foregoing field notes ^{and diagram on the reverse hereof} as having been executed by me, and under my direction; and that all the corners of said survey ^{retracement and resurvey} have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General, for Group 50, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey, **retracement and resurvey.**

H. D. Jackson

U. S. Transitman.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, September 24, 1918.

The foregoing field notes of the survey of ~~the completion of the West boundary and~~ subdivision lines, ~~the retracement of a portion of the West and~~ South boundaries and subdivision lines, and the resurvey of a portion of the North and South boundaries and subdivision lines of Fractional Township 18 North, Range 9 West, of the Gila and Salt River Base and Meridian, in the State of Arizona,

executed by Harry D. Jackson, U. S. Transitman,

under ~~his~~ special instructions dated February 20, 1915, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys ~~retracements and resurveys~~ they describe, are hereby approved.

Francis D. Frost

U. S. Surveyor General.

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

BOOK 3211

CERTIFICATE OF UNITED STATES SURVEYOR.

I, Otis Ross, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 50, Arizona, bearing date of the 15th day of September, 1919, 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~~ ^{corrected} all those parts or portions of Transitman Jackson's resurvey of part of south boundary of TOWNSHIP 19 NORTH, RANGE 9 WEST, and survey and resurvey of part of subdivision lines of TOWNSHIP 18 NORTH, RANGE 9 WEST, of the Gila and Salt River Base and Meridian, in the State of Arizona, which are represented in the foregoing field notes ^{and by diagram on page 21 hereof} ~~as~~ having been executed by me, and under my direction; and that all the corners of ^{corrections} ~~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 50, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such ~~corrections~~.

Otis Ross

 U. S. Surveyor.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, March 10, 1920.

The foregoing field notes of the retracement of parts of the south boundary and subdivision lines of TOWNSHIP 18 NORTH, RANGE 9 WEST, and the resurvey of part of the South boundary of TOWNSHIP 19 NORTH, RANGE 9 WEST, parts of the South and West bdrs., and subdivision lines of TOWNSHIP 18 NORTH, RANGE 9 WEST, and the survey of parts of the West bdy, and subdivision lines of TOWNSHIP 18 NORTH, RANGE 9 WEST, of the Gila and Salt River Base and Meridian, in the State of Arizona, executed by H. D. Jackson, U.S. Transitman, with corrections by Otis Ross, U.S. Surveyor, under his special instructions dated Feb. 20, 1915 & Sept. 15, 1919, for Grp. 50, Arizona, having been critically examined, and the necessary ^{retracements & resurveys} corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank P. Frost

 U. S. Surveyor General.

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