

BOOK 3767

# FIELD NOTES

OF THE RESURVEY OF

4th Standard Parallel South, thru Part of Range 16 East

Part (E.  $\frac{1}{2}$ ) of SOUTH boundary

Part (S. 2 m.) of EAST boundary and

Part of the SUBDIVISION LINES of

Township 21 South, Range 16 East

AND OF THE SURVEY OF

Part (completion) of EAST boundary

Part (E. 2 m.) of NORTH boundary and

Part (completion) of SUBDIVISION LINES of

Township 21 South, Range 16 East

Of the Gila and Salt River Base and Meridian,

In the State of Arizona

EXECUTED BY

Dupree R. Averill, U.S. Surveyor

and

Roger F. Wilson, U.S. Transitman

In the capacity of U. S. Surveyors, under Special Instructions dated November 14, 1924,

issued by the United States Surveyor General to govern surveys included in Group

No. 133 Arizona, which were approved by the Commissioner of the General Land

Office, December 18, 1924, and Assignment Instructions dated January 5, 1925

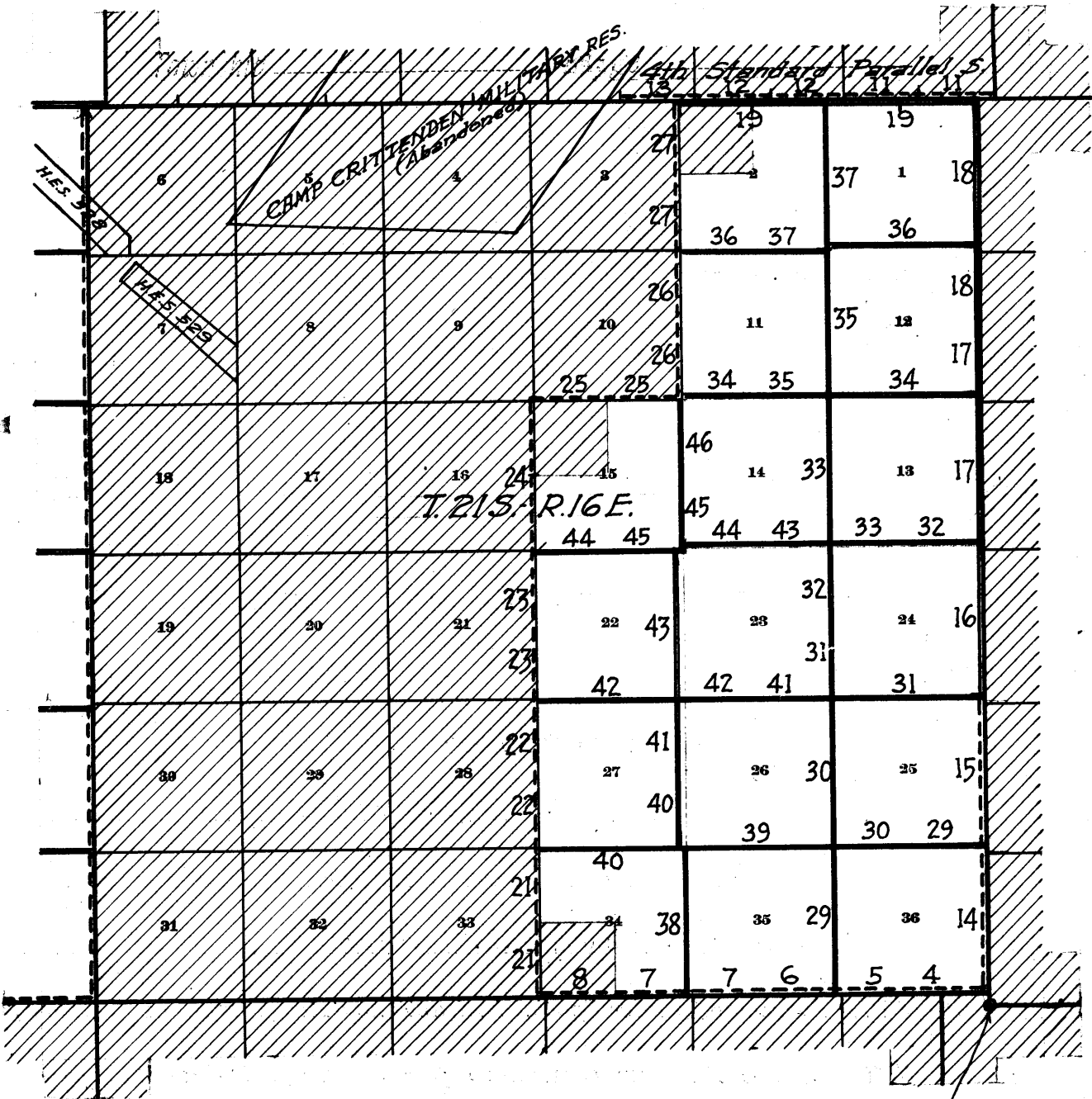
Resurvey and Survey commenced February 14, 1925

Resurvey and Survey completed February 21, 1925


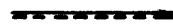
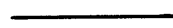

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BOOK 3767

# INDEX DIAGRAM.



Reconstructed  
SW. cor. T. 215. R. 17 E.  
See page 9

-  Surveyed under this group.
-  Resurveyed under this group.
-  Accepted surveys, retracements or resurveys.
-  Areas surveyed as per accepted plats on file.



Township 21 South, Range 16 East.

Resurveys and surveys herein described were executed by D.R. Averill, U.S. Surveyor and Roger F. Wilson U.S. Transitman, using respectively, Buff and Buff light mountain transits No. 9984 and No. 9223, on dates shown on the diagram on page 1, hereof. The instruments are equipped with full vertical circles and improved Smith Solar attachments. The horizontal limbs are provided with two double verniers placed opposite each other and reading to single minutes of arc, which is also the least count of the declination and latitude arcs. Unless otherwise specified, all azimuth determinations are accomplished with the solars.

The instruments were approved by the Assistant Supervisor of Surveys conditional upon satisfactory field tests.

Test of Buff Transit No. 9984. by D.R. Averill.

Feb. 13, 1925: at camp in the NE.  $\frac{1}{4}$  of sec. 21, T. 21S. R. 16 E., Gila and Salt River Base and Meridian, Ariz. in Latitude  $31^{\circ}36'N.$ , longitude  $110^{\circ}41'W.$ , examine the adjustments of the instrument and correct all errors; then to test the solar apparatus by comparing its indications from observations made during a.m. and p.m. hours with a meridian established by observation on Polaris, proceed as follows:

Feb. 13, 1925; at station mentioned above, at 9h. 56.7m. p.m., lmt. observe Polaris at Western Elongation, making four observations, two each with the telescope in direct and reversed positions, and mark the mean of the lines thus determined on a peg driven firmly in the ground eight chains north.

Azimuth of Polaris at Western Elongation =  $1^{\circ}17'01''$ .

Feb. 14, 1925; lay off the azimuth of Polaris  $1^{\circ}17'$  to the east (of north), and mark the meridian thus determined by tacks in pegs firmly driven in the ground at the instrument and eight chains north.

At 8h. 10m. a.m. app. t., set off  $31^{\circ}36'N.$  on the latitude arc and  $13^{\circ}\frac{1}{2}'S.$  on the decl. arc, and determine a meridian with the solar, which agrees within 1' of the true mer.

At 4h. 0m. p.m. app. t., with the latitude arc unchanged, set off  $12^{\circ}53\frac{1}{2}'S.$  on the decl. arc. and determine a meridian with the solar, which coincides with the true meridian.

These and other tests indicate that the adjustments of the instrument are satisfactory.

Test of Buff Transit No. 9223, by Roger F. Wilson.

Feb. 15, 1925; having examined the adjustments of the instrument and found no errors, test the solar apparatus on the above meridian as follows.

At 8h. 0m. a.m. app. t., set off  $31^{\circ}36'N.$  on the latitude arc and  $12^{\circ}40'S.$  on the decl. arc, and determine a meridian with the solar, which agrees within 1' of the true mer.

At 4h. 0m. p.m. app. t., with the latitude arc unchanged, set off  $12^{\circ}35'S.$  on the decl. arc, and determine a meridian with the solar which coincides with the true meridian.

These and other tests indicate that the adjustments of the instrument is satisfactory.

Resurvey of Part (E.  $\frac{1}{2}$ ) of South Bdy. of Township 21 S., Range 16 E.

chains

The S. bdy. of T. 21 S., R. 16 E. was surveyed in 1876 by T. F. White, U.S.D.S., establishing cors. with common reference to areas N. & S. of the line, at intervals of 40 chs. counting from the E., where he established a cor. with a four township reference.

In 1904 J. F. Hesse U.S.D.S. surveyed the W. and N. bdrs. of T. 22 S., R. 17 E., established C.C. of Ts. 22 S., Rs. 16 & 17 E. on S. bdy. of T. 21 S., R. 16 E., and SW. cor. of T. 21 S., R. 17 E. at 4.44 chs. S. of original cor. of Ts. 21 & 22 S., Rs. 16 & 17 E., and reconstructed the last mentioned cor. and altered same to refer to T. 21 S., R. 16 E. only (SE. cor.)

In 1907 J. F. Hesse U.S.D.S. resurveyed the entire S. bdy. of T. 21 S., R. 16 E., reestablished the  $\frac{1}{4}$  sec. cor. of secs. 5 & 32 by proportional measurement, reconstructed all other cor. monuments on W.  $\frac{1}{2}$  of line with their original common reference, reconstructed the original cor. of secs. 3, 4, 33 & 34 with altered reference to secs. 33 & 34 only, destroyed all original sec. and  $\frac{1}{4}$  sec. cor. monuments on E.  $\frac{1}{2}$  of line, and reestablished on such part of the line all sec. and  $\frac{1}{4}$  sec. cor. monuments alternately at intervals of 40 chs., counting from SE. cor. of T. 21 S., R. 16 E., retaining original reference of the  $\frac{1}{4}$  sec. cor. of secs. 1 & 36, and the cor. of secs. 1, 2, 35 & 36, but altering the other cors. to refer to areas N. of line only.

This resurvey was followed in same year by surveyor Hesse with a survey of part of the subdivision lines of T. 22 S., R. 16 E., when he established C.C. of secs. 2 & 3, and C.C. of secs. 3 & 4 thereof on this tp. bdy., monumenting both with stones.

In 1912 surveyor Hesse completed the subdivision of T. 22 S., R. 16 E. and established C.C. of secs. 1 & 2 on this tp. bdy., monumenting same with an iron post with brass cap, and altering the cor. of secs. 1, 2, 35 & 36 to refer to secs. 35 & 36 only.

No other resurvey or retracement of this tp. bdy. is of record.

The following notes describe a resurvey of the E.  $\frac{1}{2}$  of the Tp. bdy., reconstructing the SE. cor. of T. 21 S., R. 16 E., cor. of secs. 34 & 35,  $\frac{1}{4}$  sec. cor. of sec. 34, cor. of secs. 33 & 34 and all closing cors. with exception of C.C. of secs. 1 & 2, retaining their original reference.

The other sec. and  $\frac{1}{4}$  sec. cor. monuments on this part of the line are also reconstructed but are altered to angle points

The  $\frac{1}{4}$  sec. cor. of sec. 36, cor. of secs. 35 & 36, and  $\frac{1}{4}$  sec. cor. of sec. 35, are reestablished at 40, 80 and 120 chs. respectively, in westing from SE. cor. of the Tp.

All reconstructed or reestablished cors. are monumented by iron posts with brass caps, firmly set alongside the old cors.

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Retracement for Resurvey.  
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- From SE. cor. of secs. 33 & 34, hereinafter described,  
East, on random line, on S. bdy. of sec. 34 (W.  $\frac{1}{2}$ )
- 0.55 Intersect C.C. of secs. 3 & 4, hereinafter described  
Continue line and measurement
- 39.22 Fall 20 lks. S. of  $\frac{1}{4}$  sec. cor. of sec. 34, hereinafter described  
therefore, W.  $\frac{1}{2}$  of S. bdy. of sec. 34 is S. 89° 42' W., 39.22 chs  
Thence
- 40.00 East, on random line, on S. bdy. of sec. 34 (E.  $\frac{1}{2}$ )  
Fall 5 lks. N. of cor. of secs. 34 & 35, hereinafter described  
therefore, E.  $\frac{1}{2}$  of S. bdy. of sec. 34 is N. 89° 56' W., 40.00 chs.
- 
- 1.40 East, on random line, on old S. bdy. of sec. 35 (W.  $\frac{1}{2}$ )  
Fall  $\frac{1}{2}$  lk. S. of C.C. of secs. 2 & 3, hereinafter described  
Continue line and measurement
- 40.00 Fall 14 lks. S. of  $\frac{1}{4}$  sec. cor. of sec. 35, hereinafter described  
therefore, W.  $\frac{1}{2}$  of old S. bdy. of sec. 35 is S. 89° 48' W.,  
40.00 chs.  
Thence
- 40.00 East, on random line, on old S. bdy. of sec. 35 (E.  $\frac{1}{2}$ )  
Fall 7 lks. N. of cor. of secs. 35 & 36, hereinafter described

Resurvey of Part (E. 1/2) of South Bdy. of Township 21 S., Range 16 E.

chains therefore, E. 1/2 of old S. bdy. of sec. 35 is N. 89° 54' W., 40.00 chs.

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1.58 East, on random line, on old S. bdy. of sec. 36 (W. 1/2)  
Fall 1/2 lk. N. of C.C. of secs. 1 & 2, hereinafter described  
Continue line and measurement

40.00 Fall 13 lks. N. of 1/4 sec. cor. of secs. 1 & 36, hereinafter described, therefore, W. 1/2 of old S. bdy. of sec. 36 is N. 89° 49' W., 40.00 chs.

Thence

13.92 East, on random line, on old S. bdy. of sec. 36 (E. 1/2)  
Fall 4 lks. S. of C.C. of Ts. 22 S., Rs. 16 & 17 E., hereinafter described  
Continue line and measurement

39.16 Fall 11 lks. S. of SE. cor. of T. 21 S., R. 16 E., hereinafter described, therefore, E. 1/2 of old S. bdy. of sec. 36 is S. 89° 50' W., 39.16 chs.

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RESURVEY.  
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The SE. cor. of T. 21 S., R. 16 E. is a stone 12x6x6 ins. above ground, firmly set, marked with 6 notches on each of N. and W. faces and witnessed by two bearing trees: a white oak, 12 ins. diam., S. 42 1/2° W., 115 lks. dist., marked T22S R17E S6 BT  
a white oak, 12 ins. diam., S. 2° E., 113 lks. dist., marked T21S R17E S31 BT  
and a mound of stone NW. of cor.

Reconstruct this cor. monument as follows:  
alongside old stone, set an iron post, 3 ft. long, 3 ins. in diam., 22 ins. in ground to bedrock, and raise a mound of stone around post, for cor. of T. 21 S., R. 16 E. only, (SE. cor.) marked on brass cap

|            |  |      |
|------------|--|------|
| T21S       |  | T21S |
| R16E       |  | R17E |
| <u>S36</u> |  | S31  |
| S6         |  |      |
| T22S       |  |      |
| R17E       |  |      |

1925

Obliterate marking on old SE. bearing tree.  
No bearing tree available NW. of cor.

Thence  
S. 89° 50' W., on true line, on new S. bdy. of sec. 36  
Over mountainous land, thru scattering timber and undergrowth. Ascend 157 ft. over NE. slope

7.37 Ridge, bears NW. and SE.  
Descend 369 ft. over W. slope to

25.24 Intersect the C.C. of Ts. 22 S., Rs. 16 & 17 E., which is a stone 18x12x10 ins. above ground, firmly set, marked with 6 notches on each of E., W. & S. faces and CC on S. face, and witnessed by a mound of stone S. of cor. and two bearing trees:  
an oak, 14 ins. diam., S. 17 1/2° W., 154 lks. dist., marked T22S R16E S1 CC BT  
an oak, 6 ins. diam., S. 40° E., 87 lks. dist., marked T22S R17E S6 CC BT

Reconstruct this cor. monument as follows:  
alongside old stone, set an iron post, 3 ft. long, 3 ins. in diam., 14 ins. in ground to bedrock, and raise a mound of stone around post, for closing cor. of Ts. 22 S., Rs. 16 and 17 E., with brass cap marked

|            |      |
|------------|------|
| T21S       | R16E |
| <u>S36</u> |      |
| S1         | S6   |
| R16E       | R17E |
| T22S       |      |
| CC         |      |

1925

Resurvey of Part (E.  $\frac{1}{4}$ ) of South Bdy. of Township 21 S., Range 16 E.

|        |  |
|--------|--|
| chains | Continue line and measurement<br>Descend slightly over W. slope  |
| 25.40  | Ravine, course NW. Descend 100 ft. over N. slope to  |
| 39.16  | Intersect the original $\frac{1}{4}$ sec. cor. of secs. 1 & 36, which is a stone 12x10x6 ins. above ground, firmly set, marked $\frac{1}{4}$ on N. face, and witnessed by two bearing trees:<br>a white oak, 12 ins. diam., S. $63\frac{1}{2}^{\circ}$ E., 55 lks. dist., marked $\frac{1}{4}$ S1 BT<br>a white oak, 10 ins. diam., N. $68^{\circ}$ E., 161 lks. dist., marked $\frac{1}{4}$ S36 BT                        |
|        | Reconstruct and alter reference of this cor. monument as follows:<br>alongside old stone, set an iron post, 3 ft. long, 1 in. in diam., 4 ins. in ground to bedrock, and raise a mound of stone around post, for angle point, with brass cap marked  |
|        | A P<br>T21S R16E<br>S36<br><hr/> 1925  |
|        | Obliterate marking on old SE. bearing tree, change marking on old NE. tree to read T21S R16E S36 AP BT, and establish a new bearing tree:<br>a white oak, 9 ins. diam., brs. N. $8\frac{1}{2}^{\circ}$ W., 226 lks. dist., marked T21S R16E S36 AP BT<br>From this A.P. the flag pole in monument on highest point of Red Mountain, bears S. $45^{\circ}10'$ W.  |
|        | Thence<br>N. $89^{\circ}49'$ W., on true line, continuing measurement of new S. bdy. of sec. 36.   |
| 40.00  | Descend slightly over N. slope to<br>Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in ground to bedrock, and raise a mound of stone around post, for reestablished $\frac{1}{4}$ sec. cor. of sec. 36 only, with brass cap marked  |
|        | $\frac{1}{4}$ S36<br><hr/> 1925  |
|        | from which<br>an oak, 10 ins. diam., bears N. $55^{\circ}$ E., 178 lks. dist., marked $\frac{1}{4}$ S36 BT<br>a white oak, 10 ins. diam., bears N. $21\frac{1}{2}^{\circ}$ W., 214 lks. dist., marked $\frac{1}{4}$ S36 BT   |
| 58.16  | Descend 163 ft. over N. slope to<br>Spur, slopes W. from SE.   |
| 68.00  | Thence along top of spur. Descend gradually to<br>End of spur, Descend 56 ft. over W. slope  |
| 75.60  | Wash, course SW. Enter rolling land.<br>Descend gradually over SW. slope to  |
| 77.58  | Intersect the closing cor. of secs. 1 & 2, which is an iron post, 2 ins. in diam., projecting 18 ins. above ground, firmly set in ground and mound of stone, properly marked on brass cap, and witnessed by a mound of stone S. of cor., and one properly marked oak bearing tree S. $55\frac{1}{2}^{\circ}$ W., 105 lks. dist.  |
| 79.16  | Continue line and measurement<br>Intersect the cor. of secs. 35 & 36, which is a stone 14x12x5 ins. above ground, firmly set, marked with 1 notch on E. face and 5 notches on W. face, and witnessed by two bearing trees:<br>a black oak, 14 ins. diam., N. $16^{\circ}$ E., 97 lks. dist., marked T21S R16E S36 BT<br>a black oak, 12 ins. diam., N. $65\frac{1}{2}^{\circ}$ W., 138 lks. dist., marked T21S R16E S35 BT |
|        | Reconstruct and alter reference of this cor. monument as follows:<br>obliterate marks on stone and alongside same, set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in ground to bedrock, and raise a mound of stone around post, for angle point, with brass cap marked   |

Resurvey of Part (E.  $\frac{1}{2}$ ) of South Bdy. of Township 21 S., Range 16 E.

chains

A P  
T21S R16E  
S36  
1925

Change marking on both the old bearing trees to read  
T21S R16E S36 AP BT and establish a new bearing tree:  
a black oak, 6 ins. diam., brs. N.  $48\frac{1}{2}^{\circ}$  E., 98 lks. dist.,  
marked T21S R16E S36 AP BT

Thence

N.  $89^{\circ}54'$  W., on true line, continuing measurement of new S.  
bdy. of sec. 36

80.00 Descend gradually over SW. slope to  
Set an iron post, 3 ft. long, 2 ins. in diam., 20 ins. in ground  
to bedrock, and raise a mound of stone around post, for  
reestablished cor. of secs. 35 and 36 only, with brass  
cap marked

T21S | R16E  
S35 | S36  
T22S R16E

S2

1925

from which

a black oak, 16 ins. diam., brs. N.  $49^{\circ}$  E., 152 lks. dist.,  
marked T21S R16E S36 BT

a black oak, 12 ins. diam., brs. N.  $35\frac{1}{2}^{\circ}$  W., 72 lks. dist.,  
marked T21S R16E S35 BT

Land, mountainous and rolling.

Soil, gravelly, 3rd rate.

Timber, white and black oak.

Undergrowth, scrub oak and mesquite.

N.  $89^{\circ}54'$  W., on true line, on new S. bdy. of sec. 35.

Over rolling land, thru scattering timber and undergrowth.

Descend 25 ft. over SW. slope

3.70 Wash, 30 lks. wide, course NW.

Descend 66 ft. over NW. slope

19.70 Same wash, 30 lks. wide, course SW.

Ascend 44 ft. over SE. slope

28.50 Descend gradually over SW. slope

37.70 Wash, course S.

39.00 Gully, course S.

Ascend slightly over SE. slope to

39.16 Intersect the  $\frac{1}{4}$  sec. cor. of sec. 35, which is a stone, 10x  
8x6 ins. above ground, firmly set, marked  $\frac{1}{4}$  on N. face,  
and witnessed by two bearing trees:

a black oak, 8 ins. diam., N.  $71\frac{1}{2}^{\circ}$  E., 155 lks. dist.,  
marked  $\frac{1}{4}$  S35 BT

a black oak, 12 ins. diam., N.  $5^{\circ}$  W., 92 lks. dist.,  
marked  $\frac{1}{4}$  S35 BT

Reconstruct and alter reference of this cor. monument as  
follows:

alongside old stone, set an iron post, 3 ft. long, 1 in.  
in diam., 24 ins. in ground, for angle point, with  
brass cap marked

A P  
T21S R16E  
S35

1925

change marking on both of the old bearing trees to  
read T21S R16E S35 AP BT

Thence

S.  $89^{\circ}48'$  W., on true line, continuing measurement of S. bdy.  
of sec. 35

Ascend 10 ft. over SE. slope to



Resurvey of Part (E. 1/2) of South Bdy. of Township 21 S., Range 16 E.

chains  
40.00

Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in ground, for reestablished 1/4 sec. cor. of sec. 35 only, with brass cap marked

1/4 S35  
1925

from which

a black oak, 7 ins. diam., brs. N. 2° E., 144 lks. dist., marked 1/4 S35 BT

a black oak, 10 ins. diam., brs. N. 61° W., 81 lks. dist., marked 1/4 S35 BT

45.50

Ascend 30 ft. over SE. slope

57.86

Descend 54 ft. over SW. slope

65.90

Wash, 50 lks. wide, course S. Ascend 60 ft.

77.76

Descend 41 ft. to

Intersect the C.C. of secs. 2 & 3, which is a stone 12x10x4 ins. above ground, firmly set, marked CC on S. face, 2 notches on E. face, and 4 notches on W. face, and witnessed by two bearing trees:

a white oak, 6 ins. diam., S. 20 1/4° W., 169 lks. dist., marked T22S R16E S3 CC BT

a white oak, 20 ins. diam., S. 27 1/2° E., 109 lks. dist., marked T22S R16E S2 CC BT

Reconstruct this cor. monument as follows:

alongside old stone, set an iron post, 3 ft. long, 2 ins. in diam.; 20 ins. in ground to bedrock, and raise a mound of stone around post, for closing cor. of secs. 2 and 3, with brass cap marked

T21S R16E  
S35  
S3 | S2  
T22S R16E  
CC

1925

and establish a new bearing tree:

a black oak, 14 ins. diam., brs. S. 53 1/2° W., 252 lks. dist., marked T22S R16E S3 CC BT

79.16

Continue line and measurement

Descend 15 ft. to

Intersect cor. of secs. 34 & 35, which is a stone, 12x10x6 ins. above ground, firmly set, marked with 2 notches on E. face, and 4 notches on W. face, and witnessed by two bearing trees:

an oak, 16 ins. diam., N. 83 1/2° E., 96 lks. dist., marked T21S R16E S35 BT

an oak, 6 ins. diam., N. 54° W., 112 lks. dist., marked T21S R16E S34 BT

Reconstruct this cor. monument as follows:

alongside old stone, set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in ground to bedrock, and raise a mound of stone around post, for cor. of secs. 34 and 35 only, with brass cap marked

T21S R16E  
S34 | S35  
T22S R16E  
S3

1925

Land, rolling.

Soil, gravelly, 3rd rate.

Timber, white and black oak.

Undergrowth, scrub oak and mesquite.

12.80

N. 89° 56' W., on true line, on S. bdy. of sec. 34

Over rolling land, thru scattering timber & undergrowth.

Ascend 95 ft.

Top of hill. Descend 150 ft.

Resurvey of Part (E. 1/2) of South Bdy. of Township. 21 S., Range 16 E.

chains

21.00 Wash, course SW. Ascend 30 ft.  
 26.00 Point of spur, slopes S. Descend 60 ft.  
 35.00 Bend in Redrock Gulch, 50 lks. wide, with road in same, course SW. from SE. Seepage water in places. Ascend 30 ft. to  
 40.00 Intersect the 1/4 sec. cor. of sec. 34, which is a stone, 14x12 x12 ins. above ground, firmly set, marked 1/4 on N. face and witnessed by two bearing trees:  
 an oak, 18 ins. diam., N. 8 1/4° W., 167 lks. dist., mkd. 1/4 S34 BT.  
 an oak, 8 ins. diam., N. 10° E., 32 lks. dist., mkd. 1/4 S34 BT.  
 Reconstruct this cor. monument as follows:  
 alongside old stone, set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in ground to bedrock, and raise a mound of stone around post, for 1/4 sec. cor. of sec. 34 only, with brass cap marked

1/4 S34  
 1925

Thence  
 S. 89° 42' W., on true line, continuing measurement of S. bdy. of sec. 34.

Ascend 55 ft. over SE. slope  
 53.20 Descend 34 ft.  
 61.00 Ascend 58 ft.  
 66.54 Descend 50 ft. over S. slope to sec. cor.  
 77.22 From this point the flag pole in monument on highest point of Red Mountain bears S. 17° 13' W.  
 78.67 Intersect C.C. of secs. 3 & 4, which is a stone, 16x14x6 ins. above ground, firmly set, marked with 3 notches on each of E. & W. faces, and witnessed by two bearing trees:  
 a juniper, 14 ins. diam., S. 12 1/2° E., 95 lks. dist., marked T22S R16E S3 CC BT  
 an oak, 12 ins. diam., S. 43 1/2° W., 193 lks. dist., marked T22S R16E S4 CC BT  
 Reconstruct this cor. monument as follows:  
 alongside old stone, set an iron post, 3 ft. long, 2 ins. in diam., 10 ins. in ground to bedrock, and raise a mound of stone around post, for closing cor. of secs. 3 and 4, with brass cap marked

T21S R16E  
 S34  
 T22S R16E  
 S4 S3  
 CC

1925

Continue line and measurement  
 79.22 Intersect the cor. of secs. 33 and 34, which is a stone, 12x12x6 ins. above ground, firmly set, marked with 3 notches on each of E. and W. faces, and witnessed by two bearing trees:  
 an oak, 12 ins. diam., N. 78° E., 99 lks. dist., marked T21S R16E S34 BT  
 an oak, 12 ins. diam., N. 63 1/4° W., 146 lks. dist., marked T21S R16E S33 BT  
 Reconstruct this cor. monument as follows:  
 alongside old stone, set an iron post, 3 ft. long, 2 ins. in diam., 8 ins. in ground to bedrock, and raise a mound of stone around post, for cor. of secs. 33 & 34 only, with brass cap marked

T21S R16E  
 S33 S34  
 T22S R16E  
 S4

1925

Land, rolling.  
 Soil, gravelly and rocky, 3rd rate.  
 Timber, white and black oak and juniper.  
 Undergrowth, scrub oak and mesquite.

Reconstruction of SW.cor.of Township 21 S.,Range 17 E.,  
by Roger F. Wilson, U.S. Transitman

The SW.cor.of T.21S.,R.17 E.was originally monumented  
by the cor.of Ts.21 & 22 S.,Rs.16 & 17 E.,established in  
1876 by T.F.White,U.S.DS.

In 1904,J.F.Hesse U.S.D.S.altered the original cor.  
to refer to T.21 S.,R.16 E.only and reestablished the SW.  
cor.of T.21 S.,R.17 E.at 4.44 chs. S.therefrom.

No other reestablishment of the SW.cor.of T.21 S.,R.  
17 E. is of record,and the following notes describe a  
reconstruction of said Tp.cor.as reestablished by Hesse.

From SE.cor.of T.21 S.,R.16 E.,hereinbefore described,  
retrace South on W.bdy.of sec.31,T.21 S.,R.17 E. and at  
4.44 chs. intersect the Hesse reestablished SW.cor.of  
T.21 S.,R.17 E.,which is a stone,10x6x8 ins.above ground,  
firmly set,marked CC and 6 notches on E.face,6 notches on  
N.face, and witnessed by a mound of stone NE.of cor. and  
one bearing tree:

a white oak,8 ins.diam.,N.29<sup>1</sup>/<sub>2</sub>°E.,70 lks.dist.,  
marked T21S R17E S31 BT

Reconstruct this cor.monument as follows:

obliterate marking CC from E.face of stone,and along-  
side same,set an iron post,3 ft.long,3 ins.in diam.,  
16 ins.in ground to bedrock,and raise a mound of  
stone around post,for cor.of T.21 S.,R.17 E.only,  
(SW.cor.), with brass cap marked

T21S  
R17E  
S31

T22S R17E  
S6

1925

and establish one new bearing tree:  
a white oak, 20 ins.diam., bears N.73°E.,105 lks.  
dist., marked T21S R17E S31 BT

Resurvey of 4th Standard Parallel S., thru Part of R.16 E. (E. 2 $\frac{1}{2}$  m.)

chains

The 4th Standard Parallel South thru Range 16 East was surveyed in 1876 by T.F. White, U.S.D.S.

In 1917, C.A. Long, U.S. Forest Service surveyor, resurveyed the S. bdy. of sec. 31, and E.  $\frac{1}{2}$  of S. bdy. of sec. 36, T. 20 S., R. 16 E., in connection with his survey of Forest Homestead Entry Surveys Nos. 527, 528 and 529.

No other resurvey or retracement of the Parallel in R. 16 E. is of record.

The following notes describe a resurvey of the S. bdrs. of secs. 35 and 36, and the E.  $\frac{1}{2}$  of S. bdy. of sec. 34, T. 20 S., R. 16 E., reconstructing the std. cor. of Ts. 20 S., Rs. 16 & 17 E., and all the std. sec. and  $\frac{1}{4}$  sec. cor. monuments on such portion of the Parallel, with the exception of the std.  $\frac{1}{4}$  sec. cor. of sec. 34.

-----  
Retracement for Resurvey.  
-----

- From std. cor. of Ts. 20 S., Rs. 16 & 17 E.,  
S. 89° 51' W., on random line, on S. bdy. of sec. 36 (E.  $\frac{1}{2}$ )
- 8.67 Intersect the C.C. of Ts. 21 S., Rs. 16 & 17 E.  
Continue line and measurement
- 39.98 Intersect the std.  $\frac{1}{4}$  sec. cor. of sec. 36, therefore the  
true E.  $\frac{1}{2}$  of S. bdy. of sec. 36 is S. 89° 51' W., 39.98 chs.  
Thence
- 40.10 West, on random line, on S. bdy. of sec. 36 (W.  $\frac{1}{2}$ )  
Fall 33 lks. N. of the std. cor. of secs. 35 & 36, therefore,  
true W.  $\frac{1}{2}$  of S. bdy. of sec. 36 is S. 89° 32' W., 40.10 chs.  
-----
- 8.29 West, on random line, on S. bdy. of sec. 35 (E.  $\frac{1}{2}$ )  
Fall 2 lks. N. of C.C. of secs. 1 & 2  
Continue line and measurement
- 39.76 Fall 10 lks. N. of the std.  $\frac{1}{4}$  sec. cor. of sec. 35, therefore,  
true E.  $\frac{1}{2}$  of S. bdy. of sec. 35 is S. 89° 51' W., 39.76 chs.  
Thence
- 39.88 West, on random line, on S. bdy. of sec. 35 (W.  $\frac{1}{2}$ )  
Fall 2 lks. S. of the std. cor. of secs. 34 & 35, therefore,  
true W.  $\frac{1}{2}$  of S. bdy. of sec. 35 is N. 89° 58' W., 39.88 chs.  
-----
- 8.83 West, on random line, on S. bdy. of sec. 34 (E.  $\frac{1}{2}$ )  
Fall 1 $\frac{1}{2}$  lks. S. of C.C. of secs. 2 & 3  
Continue line and measurement
- 39.78 Fall 7 lks. S. of the std.  $\frac{1}{4}$  sec. cor. of sec. 34, therefore,  
true E.  $\frac{1}{2}$  of S. bdy. of sec. 34 is N. 89° 54' W., 39.78 chs.  
-----

-----  
RESURVEY.  
-----

The std. cor. of Ts. 20 S., Rs. 16 & 17 E., reconstructed by U.S. Forest Service surveyor in 1917, is a stone 12x8x6 ins. above ground, firmly set, marked with 6 notches on each of E., W., and N. faces, and SC on N. face, and witnessed by two bearing trees:

an oak, 14 ins. diam., S. 28° W., 167 lks. dist., marks overgrown.

an oak, 16 ins. diam., S. 37 $\frac{1}{2}$ ° E., 141 lks. dist., marks overgrown.

Could find no trace of the original NE. and NW. bearing trees.

Reconstruct this cor. monument as follows:

alongside old stone, set an iron post, 3 ft. long, 3 ins. in diam., 27 ins. in ground, for std. cor. of Ts. 20 S., Rs. 16 and 17 E., with brass cap marked

Resurvey of 4th Standard Parallel S. thru Part of Range 16 East

chains.

|      |      |
|------|------|
| SC   |      |
| T20S |      |
| R16E | R17E |
| S 36 | S 31 |

1925

and establish new bearing trees as follows:  
 An oak 12 in. in diam., brs. N.44 $\frac{1}{4}$ °E. 425 lks. dist.  
 marked T20S R17E S31 SC BT  
 An oak 30 in. in diam., brs. N. 56°W. 496 lks. dist.  
 marked T20S R16E S36 SC BT

Thence, 5.89°51'W., on true line, on S. bdy. of sec. 36 (E.  $\frac{1}{2}$ ).

2.83 Over rough mountainous land, thru scattering timber & undergrowth.  
 The cor. No. 7 (NW.cor.) of Forest Homestead Entry Survey No. 527, which is an iron post, 2 ins. in diam., protruding 12 ins. above ground, firmly set in a mound of stone, marked on brass cap.

|           |     |
|-----------|-----|
| T20S R16E |     |
| S 36      |     |
| T21S      | HES |
| R17E      | 527 |
| S 6       | C 7 |

1917

From which.  
 A black oak, 14 ins. in diam., brs. S.1 $\frac{1}{2}$ °W. 426 lks. dist.,  
 marked CC 7 HES + 527 BT  
 A black oak, 10 ins. in diam., brs. S. 55°E. ,253 lks. dist.,  
 marked CC 7 HES + 527 BT

8.67 Intersect the closing cor. of Ts. 21S, Rs. 16 & 17 E., hereinafter described.

19.50 Road, brs. NW. and SE.

39.98 Intersect the std.  $\frac{1}{4}$  sec. cor. of sec. 36, which, is a stone 10x6x16 ins. above ground marked SC  $\frac{1}{4}$  on N. face, No accessories.

Reconstruct this cor. monument as follows; Along side of old stone, set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for std.  $\frac{1}{4}$  sec. cor. of sec. 36, marked on brass cap.

|                    |  |
|--------------------|--|
| SC                 |  |
| $\frac{1}{4}$ S 36 |  |

1925

From which,  
 An oak, 16 ins. in diam., brs. N.66°E., 108 lks. dist.,  
 marked SC  $\frac{1}{4}$  S36 BT  
 An oak, 14 ins. in diam., brs., N.13°W. 210 lks. dist.,  
 marked SC  $\frac{1}{4}$  S36 BT.

Thence, S.89°32'W., on true line, on S. bdy. of sec. 36 (W.  $\frac{1}{2}$ ).  
 Over rough mountainous land, thru scattering timber & undergrowth.

28.30 Wash, 100 lks. wide, course NW.

33.30 Spur, slopes NE.

40.10 Intersect the orig. std. cor. of secs. 35 and 36, which is a stake 4x4x18 ins. above ground, set in a mound of stone, & bearing traces of old scribemarks. No accessories.

Reconstruct this cor. monument as follows; Along side of old stake, set an iron post, 3 ft. long, 2 ins. in diam., 16 ins. in the ground, supported in a mound of stone, for std. cor. of secs. 35 and 36, marked on brass cap.

|      |      |
|------|------|
| S C  |      |
| T20S | R16E |
| S 35 | S36  |

1925

Resurvey of 4th Standard Parallel S. thru Part of Range 16 East  
thru. Range 16 East.

chains.

From which,  
An oak, 12 ins. in diam., brs. N. 67° E. 331 lks. dist.,  
marked SC T20S R16E S36 BT  
An oak, 5 ins. in diam., brs. N. 30 $\frac{1}{4}$ ° W. 59 lks. dist.,  
marked SC T20S R16E S35 BT

Land, rolling hills.  
Soil, rocky, 3rd rate.  
Timber, scattering oak and juniper.  
Undergrowth, scrub oak and mesquite.

S. 89° 51' W., on true line, on S. bdy. of sec. 35. (W.  $\frac{1}{2}$ ).  
Over rolling hills, thru. scattering timber & undergrowth.  
Descend 47 ft. over E. slope.

32.80 Ravine, course NW.

Ascend 128 ft. to

39.76 Intersect the orig. std.  $\frac{1}{4}$  sec. cor. of sec. 35,  
which is a post 4x4x30 ins. above ground, bearing  
traces of scribe marks. No accessories.

Reconstruct this cor. monument as follows; Along side of  
old post, set an iron post, 3 ft. long, 1 in. in diam.,  
10 ins. in the ground to bed rock, supported in a mound  
of stone, deposit a stone marked cross (X) at base of  
post, for std.  $\frac{1}{4}$  sec. cor. of sec. 35, marked on brass cap.

S C  
 $\frac{1}{4}$  S 35

1925

From which,  
An oak, 8 ins. in diam., brs. N. 57° E. 276 lks. dist.,  
marked SC  $\frac{1}{4}$  S 35 BT  
No. other tree available.

Thence,  
N. 89° 58' W., on true line, on S. bdy. of sec. 35. (W.  $\frac{1}{2}$ ).  
Over rolling hills, thru. scattering timber & undergrowth.  
Desc. 200 ft.

30.80 Ravine, course N.

Asc. 20 ft.

33.30 Spur, slopes N.

Desc. 30 ft.

36.80 Ravine, course N.

39.88 Intersect the std. cor. of secs. 34 and 35, which is a  
stake 4x4x24 ins. above ground, set in a mound of  
stone and bearing traces of old scribe marks.

No accessories.

Reconstruct this cor. monument as follows; Along side of  
old post, set an iron post, 3 ft. long, 2 ins. in diam.,  
18 ins. in the ground to bed rock, supported by a mound  
of stone, for std. cor. of secs. 34 & 35, marked on brass cap.

S C  
T20S | R16E  
S34 | S 35

1925

From which,  
A juniper, 14 ins. in diam., brs. N. 42° E. 306 lks. dist.,  
marked SC T20S R16E S35 BT  
An oak, 26 ins. in diam., brs. N. 54° W. 444 lks. dist.,  
marked SC T20S R16E S34 BT.

Land, rolling hills.  
Soil, rocky, 3rd rate.  
Timber, scattering oak and juniper.  
Undergrowth, scrub oak and mesquite.

Resurvey of part of the Fourth Standard Parallel, South  
thru. Part of Range 16 East.

chains.

N. 89° 54' W., on true line, on S. bdy. of sec. 34, (E.  $\frac{1}{2}$ ).  
 Over rolling hills; thru. scattering timber & undergrowth.  
 Descend 140 ft.  
 8.83 Intersect the orig. closing cor. of secs. 2 and 3,  
 hereinafter described.  
 23.30 Gulch, course SW.  
 Ascend 157 ft.  
 36.50 Spur, slopes S.  
 Descend 16 ft. to  
 39.78 Intersect the orig. std.  $\frac{1}{4}$  sec. cor. of sec. 34,  
 which is a stone 10x12x8 ins. above ground, firmly  
 set in a mound of stone 4 ft. base, 2 ft. high,  
 and marked SC  $\frac{1}{4}$  on north face.  
 No bearing trees.  
 This cor. monument being in good condition, and properly  
 marked and witnessed, no reconstruction or alteration  
 of same is required.

Land, rolling hills,  
 Soil, rocky, 3rd rate.  
 Timber, scattering oak and juniper.  
 Undergrowth, scrub oak and mesquite.

---

Resurvey of part of the E. bdy. of T.21 S. R.16 E.

chains.

The south two miles of the E. bdy. of T.21 S. R.16 E. were surveyed by T.F.White, U.S.D.S., in 1876, establishing the  $\frac{1}{4}$  sec. and sec. cors. thereon with common reference to areas on both sides of the line.

This portion of the line was resurveyed in 1912 by J.F. Hesse, U.S.S., as W. bdy. of T.21 S. R.17 E., reestablishing the  $\frac{1}{4}$  sec. and sec. cor. to refer to secs. in said township only, finding no old cor. monuments on the line. Surveyor Hesse did not reestablish any  $\frac{1}{4}$  sec. or sec. cor. on this line with reference to areas in T.21 S. R.16 E. No other resurvey or retracement of the south two miles of this line is of record.

The following notes describe a resurvey of such portion of this line, reestablishing  $\frac{1}{4}$  sec. & sec. cors. alternately at intervals of 40.00' chs., counting from the SE. cor. of T.21 S. R.16 E.

In this resurvey the distance 4.44 chs. ( SW. cor. of T.21 S. R.17 E. to SE. cor. of T.21 S. R.16 E. ) is measured N. from each of the Hesse reestablished cors. of T.21 S. R.17 E., giving intervals of 40.00 chs. by the acceptance of the record of the Hesse resurvey.

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From top of T.21 S. R.16 E. only (SE. cor.) hereinbefore described.

Thence, N., on E. bdy. of sec. 36. (S.  $\frac{1}{2}$ ):  
Topography as per record.

35.56 The reestablished  $\frac{1}{4}$  sec. cor. of sec. 31, T.21 S. R.17 E., which is an iron post, 1 in. in diam., protruding 10 ins. above ground, firmly set, properly marked on brass cap, and witnessed by two properly marked bearing trees one on each NE and SE. of cor.

Thence,  
Chain measurement of 4.44 chs, N. to

40.00 Set an iron post, 1 ft. long, 1 in. in diam., 16 ins. in the ground to bed rock, supported in a mound of stone for reestablished  $\frac{1}{4}$  sec. cor. of sec. 36 only, marked on brass cap.

1/4 S 36

1925

From which,  
An oak, 7 ins. in diam., brs. N.85°W., 63 lks. dist., marked 1/4 S 36 BT

An oak, 10 ins. in diam., brs. S.30°W., 150 lks. dist., marked 1/4 S 36 BT

Thence,  
N., on E. bdy. of sec. 36 (N.  $\frac{1}{2}$ ).  
Topography as per record.

75.56 The reestablished cor. of secs. 30 and 31, T.21 S. R.17 E., which is an iron post, 3 ins. in diam., protruding 12 inches above ground, firmly set, properly marked on brass cap, and witnessed by a mound of stone E. of cor.

Thence,  
Chain measurement of 4.44 chs. N. to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 16 ins. in the ground to bed rock, supported by a mound of stone, for reestablished cor. of secs. 25 and 36 only, marked on brass cap.

|      |      |
|------|------|
| T21S | T21S |
| S 25 | R17E |
| S 36 | S 30 |
| R16E |      |

1925



Resurvey of part of the E. bdy. of T.21 S. R.16 E.

chains.

From which,  
 A white oak, 20 ins. in diam., brs. S.  $11\frac{1}{2}^{\circ}$  W., 120 lks. dist.,  
 marked T21S R16E S36 BT.  
 A white oak, 16 ins. in diam., brs. N.  $13\frac{1}{4}^{\circ}$  W., 173 lks. dist.,  
 marked T21S R16E S25 BT.

Description as per record.

N., on E. bdy. of sec. 25 (S.  $\frac{1}{2}$ ).  
 Topography as per record.  
 35.56 The reestablished  $\frac{1}{4}$  sec. cor. of sec. 30, T.21 S. R.17 E.  
 which is an iron post, 1 in. in diam., protruding,  
 10 ins. above ground, firmly set, properly marked  
 on brass cap, and witnessed by a mound of stone E.  
 of cor.

Thence,  
 Chain measurement of 4.44 chs. N. to  
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in  
 the ground to bed rock, supported in a mound of stone,  
 deposit a stone marked cross (X) at base of post,  
 for reestablished  $\frac{1}{4}$  sec. cor. of sec. 25 only, marked on brass  
 cap.

$\frac{1}{4}$ S 25  
 |  
 1925

From which,  
 A juniper, 36 ins. in diam., brs. West, 359 lks. dist., marked  
 $\frac{1}{4}$ S 25 BT  
 No more trees available.

Thence,  
 N., on E. bdy. of sec. 25 (N.  $\frac{1}{2}$ ).  
 Topography as per record.  
 75.56 The reestablished cor. of secs. 19 and 30, T.21 S. R.17 E.  
 which is an iron post, 3 ins. in diam., protruding  
 12 in. above ground, firmly set, properly marked  
 on brass cap, and witnessed by a mound of stone E.  
 of cor.

Thence,  
 Chain measurement of 4.44 chs. N. to  
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in  
 the ground to bed rock, supported in a mound of stone,  
 for reestablished cor. of secs. 24 and 25 only, marked on brass  
 cap.

|      |      |
|------|------|
| T21S | T21S |
| S 24 | R17E |
| S 25 | S 19 |
| R16E |      |

1925

From which,  
 A juniper, 14 ins. in diam., brs. N.  $43\frac{1}{2}^{\circ}$  W., 122 lks. dist.,  
 marked T21S R16E S24 BT  
 A white oak, 14 ins. in diam., brs. S.  $34\frac{1}{2}^{\circ}$  W., 118 lks. dist.,  
 marked T21S R16E S25 BT

Description as per record.

Survey of part ( completion) of east bdy. of T.21 S. R.16 E.

chains.

The north four miles of the range line was surveyed by J.F.Hesse, U.S.S. in 1912, establishing thereon, a set of corners referring to T.21 S. R.17 E. only. As corner monuments referring to areas in T.21 S. R.16 E. have never been established on the range line in the N. 4 miles, of T.21 S; such portion of the E. bdy. of T.21 S. R.16 E. is technically unsurveyed.

The following notes describe a survey of the N. 4 miles of the E. bdy. of T.21 S. R.16 E., establishing a set of corners thereon at intervals of 40.00 chs. counting from the reestablished cor. of secs. 24 and 25, hereinbefore described.

The same method of obtaining measurements bet. the cor. monuments, as described for the resurvey of the S. 2 miles of the line, is used for this survey.

-----  
From the cor. of secs. 24 and 25, hereinbefore described,

N., on E. bdy. of sec. 24.

Topography as per record.

35.56 The  $\frac{1}{4}$  sec. cor. of sec. 19, T.21 S. R.17 E. which is an iron post, 1 in. in diam., protruding 10 ins. above ground, firmly set, properly marked on brass cap, and witnessed by 2 properly marked bearing trees, one each NE. and SE. of cor.

Thence,

Chain measurement N. 4.44 chs. to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in the ground to bed rock, supported in a mound of stone for the  $\frac{1}{4}$  sec. cor. of sec. 24 only, marked on brass cap.

$\frac{1}{4}$ S. 24

1925

From which,

A juniper, 8 ins. in diam., brs. N.36°W., 56 lks. dist., marked  $\frac{1}{4}$ S 24 BT

An oak, 12 ins. in diam., brs., S.47°W., 177 lks. dist., marked  $\frac{1}{4}$ S 24 BT.

75.56 The cor. of secs. 18 and 19, T.21 S. R.17 E., which is an iron post, 3 ins. in diam., protruding 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by 2 properly marked bearing trees, one each NE. and SE. of cor.

Thence,

Chain measurement N. 4.44 chs. to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for cor. of secs. 13 and 24 only, marked on brass cap.

|      |      |
|------|------|
| T21S | T21S |
| S 13 | R17E |
| S 24 | S 18 |
| R16E |      |

1925

From which,

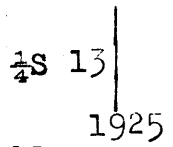
An oak, 11 ins. in diam., brs. N.32°W., 78 lks. dist., marked T21S R16E S13 BT

A black oak, 7 ins. in diam., brs. S.66½°W., 135 lks. dist., marked T21S R16E S24 BT

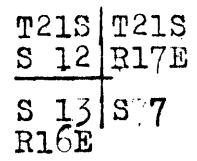
Description as per record.

Survey of part ( completion) of the E. bdy. of T.21 S. R.16 E.

chains.  
 35.56 N., on E. bdy. of sec. 13.  
 Topography as per record.  
 The  $\frac{1}{4}$  sec. cor. of sec. 18, T.21 S. R.17 E., which is an iron post, 1 in. in diam., protruding 10 ins. above ground, firmly set, properly marked on brass cap, and witnessed by 2 properly marked bearing trees, one each NE. and SE. of cor.  
 Thence,  
 Chain measurement N. 4.44 chs. to  
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in the ground to bed rock, supported by a mound of stone, deposit a stone marked cross (X) at base of post, for  $\frac{1}{4}$  sec. cor. of sec. 13 only, marked on brass cap.



75.56 No bearing trees available.  
 The cor. of secs. 7 and 18, T.21 S. R.17 E., which is an iron post, 3 ins. in diam., protruding 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by 2 properly marked bearing trees, one each NE. and SE. of cor.  
 Thence,  
 Chain measurement N. 4.44 chs. to  
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in the ground to bed rock, supported in a mound of stone, for the cor. of secs. 12 and 13, only, marked on brass cap,

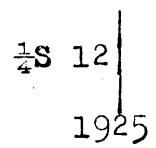


1925

From which,  
 A black oak, 9 ins. in diam., brs. S.48°W., 261 lks. dist., marked T21S R16E S13 BT  
 A black oak, 9 ins. in diam., brs. N.18 $\frac{1}{2}$ °W., 90 lks. dist., marked T21S R16E S12 BT

Description as per record.

35.56 N., on E. bdy. of sec. 12.  
 Topography as per record.  
 The  $\frac{1}{4}$  sec. cor. of sec. 7, T.21 S. R.17 E., which is an iron post, 1 in. in diam., protruding 10 ins. above ground, firmly set, properly marked on brass cap, and witnessed by 2 properly marked bearing trees, one each NE. and SE. of cor.  
 Thence,  
 Chain measurement N. 4.44 chs. to  
 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. 12 only, marked on brass cap.



From which,  
 An oak, 10 ins. in diam., brs. N.23 $\frac{1}{4}$ °W., 246 lks. dist., marked  $\frac{1}{4}$ S 12 BT  
 An oak, 18 ins. in diam., brs. S.77 $\frac{1}{2}$ °W., 102 lks. dist., marked  $\frac{1}{4}$ S 12 BT

Survey of part ( completion) of east bdy. of T.21 S. R.16 E.

chains.  
75.56

The cor. of secs. 6 and 7, T.21 S. R.17 E., which is an iron post, 3 ins. in diam., protruding 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by 2 properly marked bearing trees, one each NE. and SE. of cor.

Thence,

80.00

Chain measurement N.4.44 chs. to  
Set an iron post, 3 ft. long, 2 ins. in diam., 2 ins. in the ground to bed rock, supported in a mound of stone, deposit a stone marked cross (X) at base of post, for cor. of secs. 1 and 12 only, marked on brass cap,

|      |      |
|------|------|
| T21S | T21S |
| S 1  | R17E |
| S 12 | S 6  |
| R16E |      |

1925

No bearing trees available.

Description as per record.

35.56

N., on E. bdy. of sec.1.

Topography as per record.

The  $\frac{1}{4}$  sec. cor. of secs. 6, T.21 S. R.17 E., which is an iron post, 1 in. in diam., protruding 10 ins. above ground, firmly set, properly marked, and witnessed by 2 properly marked bearing trees, one each NE. and SE. of cor.

Thence,

40.00

Chain measurement N. 4.44 chs. to  
Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bed rock, supported in a mound of stone, for  $\frac{1}{4}$  sec. cor. of sec. 1 only, marked on brass cap,

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

1925

From which,

A black oak, 8 ins. in diam., brs. N.40°W., 83 lks. dist., marked  $\frac{1}{4}$ S 1 BT

A black oak, 7 ins. in diam., brs. S.24 $\frac{1}{2}$ °W., 59 lks. dist., marked  $\frac{1}{4}$ S 1 BT.

76.98

Intersect the closing cor. of T.21 S., R.16 and 17 E., on the 4th Standard Parallel S., which is an iron post, 3 ins. in diam., protruding 12 ins. above ground, firmly set, properly marked, and brass cap, and witnessed by 2 properly marked bearing trees, one each SE. and SW. of cor.

Description as per record.

Survey of Part (E.. 2 m.) of North bdy. of T.21 S., R.16 E.

chains

The Fourth Standard Parallel S. in R.16 E., resurveyed as hereinbefore described, forms the N. bdrs. of secs. 1 and 2 of T.21 S., R.16 E.

The following notes describe the establishment on said parallel of the N. 1/4 sec. cors. of secs. 1 and 2, at mid-points of N. bdrs. of said secs., thus constituting a survey of such part of the N. bdy. of T.21 S., R.16 E.

The topographical features, description of std. cors., etc., are omitted in these notes for the reason that same are fully described in this book in the notes of "Resurvey of 4th Std. Par. S. thru Part of R.16 E."

From the closing cor. of Ts. 21 S., Rs. 16 and 17 E., hereinbefore described,

S. 89° 51' W., on true line, on N. bdy. of sec. 1

31.31 Intersect the std. 1/4 sec. cor. of sec. 36, hereinbefore described.

Thence

S. 89° 32' W., on true line, continuing measurement of N. bdy. of sec. 1

39.85 (Midpoint of N. bdy. of sec. 1) Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in ground to bedrock, supported in a mound of stone, for 1/4 sec. cor. of sec. 1 only, marked on brass cap

1/4 S 1

1925

from which

An oak, 10 ins. in diam., brs. S. 46° E., 295 lks. dist., marked 1/4 S1 BT

A juniper, 10 ins. in diam., brs. S. 22 1/2° W., 268 lks. dist., marked 1/4 S1 BT

Continue line and measurement

71.41 Intersect the std. cor. of secs. 35 and 36, hereinbefore described

Thence

S. 89° 51' W., on true line, continuing measurement of N. bdy. of sec. 1

79.70 Intersect the subdivision line bet. secs. 1 and 2.

Closing cor. of said secs. established at this point as hereinafter described.

From C.C. of secs. 1 and 2

S. 89° 51' W., on true line, on N. bdy. of sec. 2

31.47 Intersect the std. 1/4 sec. cor. of sec. 35, hereinbefore described

Thence

N. 89° 58' W., on true line, continuing measurement of N. bdy. of sec. 2

40.09 (Midpoint of N. bdy. of sec. 2) Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in ground, for 1/4 sec. cor. of sec. 2 only, marked on brass cap

1/4 S 2

1925

from which

An oak, 10 ins. in diam., brs. S. 81 1/4° E., 347 lks. dist., marked 1/4 S2 BT

An oak, 9 ins. in diam., brs. S. 28 1/2° W., 417 lks. dist., marked 1/4 S2 BT

71.35 Intersect the std. cor. of secs. 34 & 35, hereinbefore described.

Thence

S. 89° 54' W., on true line, continuing measurement of N. bdy. of sec. 2.

80.18 Intersect subdivision line bet. secs. 2 & 3. Closing cor. of said secs. established at this point as hereinafter described.

## Resurvey of Part of the Subdivision Lines of T.21 S., R.16 E.

- chains The subdivision lines of secs. 3 and 10, and West half of T.21 S., R.16 E.; were surveyed by T.F. White, U.S.D.S. in 1876.
- The subdivision lines bounding secs. 6 and 7 of this Tp. were resurveyed by C.A. Long, U.S. Forest Service surveyor in 1917 in connection with survey of H.E.S. No. 528 and H.E.S. No. 529 in said secs.
- No other resurvey or retracement of subdivision lines of this Tp. is of record.
- The following notes describe a resurvey of the S. 4 m. of the 3rd meridional sec. line, the line bet. secs. 10 & 15, and the N. 2 m. of the 2nd meridional sec. line.
- 
- Retracement for Resurvey.
- 
- From cor. of secs. 33 & 34, on S. bdy. of Tp., North, on random line, bet. secs. 33 and 34.
- 40.00 Diligent search in this vicinity fails to reveal any trace of the  $\frac{1}{4}$  sec. cor. Set temp.  $\frac{1}{4}$  sec. cor.
- 79.62 Fall 30 lks. E. of original cor. of secs. 27, 28, 33 & 34, hereinafter described, therefore true line is N. 0° 13' W., 79.62 chs.
- 
- North, on random line, bet. secs. 27 and 28
- 40.00 Diligent search in this vicinity fails to reveal any trace of the  $\frac{1}{4}$  sec. cor. Set temp.  $\frac{1}{4}$  sec. cor.
- 80.14 Fall 5 lks. E. of original cor. of secs. 21, 22, 27 & 28, hereinafter described, therefore true line is N. 0° 2' W., 80.14 chs.
- 
- North, on random line, on E. bdy. of sec. 21 (S.  $\frac{1}{2}$ )
- 39.22 Fall 12 lks. E. of original  $\frac{1}{4}$  sec. cor., hereinafter described, therefore, true line is N. 0° 11' W., 39.22 chs.
- Thence
- North, on random line, on E. bdy. of sec. 21 (N.  $\frac{1}{2}$ )
- 39.78 Fall 1 lk. W. of original cor. of secs. 15, 16, 21 & 22, hereinafter described, therefore, true line is N. 0° 1' E., 39.78 chs.
- 
- North, on random line, bet. secs. 15 and 16 (S.  $\frac{1}{2}$ )
- 39.61 Fall 15 lks. E. of original  $\frac{1}{4}$  sec. cor., hereinafter described, therefore, true line is N. 0° 13' W., 39.61 chs.
- Thence
- North, on random line, bet. secs. 15 and 16 (N.  $\frac{1}{2}$ )
- 40.22 Fall 8 lks. W. of original cor. of secs. 9, 10, 15 & 16, hereinafter described, therefore, true line is N. 0° 7' E., 40.22 chs.
- 
- East, on random line, bet. secs. 10 and 15
- 40.00 Diligent search in this vicinity fails to reveal any trace of the  $\frac{1}{4}$  sec. cor. Set temp.  $\frac{1}{4}$  sec. cor.
- 80.00 Diligent search in this vicinity fails to reveal any trace of the cor. of secs. 10, 11, 14 & 15.
- Set temp. cor. of secs. 10 and 15.
- Thence
- North, on random line, on E. bdy. of sec. 10
- 40.00 Diligent search in this vicinity fails to reveal any trace of the  $\frac{1}{4}$  sec. cor. Set temp.  $\frac{1}{4}$  sec. cor.
- 79.30 Fall 33 lks. E. of original cor. of secs. 2, 3, 10 & 11, hereinafter described.

Resurvey of part of the subdivision lines of T.21 S. R.16 E.

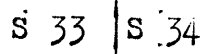
chains.

True course and dist., of line bet. secs. 10 and 15 are therefore, S.89°30'E., 80.00 chs.  
True course and dist., of E. bdy. of sec. 10 are therefore, N.0°14'W., 80.00 chs.

40.00 North, on random line, bet. secs. 2 and 3.  
Diligent search fails to reveal any trace of the orig. 1/4 sec. cor. of secs. 2 and 3. Set temp. cor.  
79.63 Fall 32 lks. E. of the orig. closing cor. of secs. 2 and 3, hereinafter described.  
True course and dist., of line bet. secs. 2 and 3 are therefore N.0°14'W., 79.63 chs.

RESURVEY.

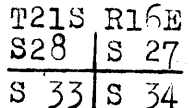
From the old. cor. of secs. 33 and 34 on S. bdy. of T.21 S. R.16 E., hereinbefore described.  
N.0°13'W., on true line, bet. secs. 33 and 34.  
Over mountainous land, thru. scattering timber & undergrowth  
0.60 Small sput, slopes E.  
2.10 Wash, 10 lks. wide, course S.30°E.  
Ascend 458 ft. over broken SW. slope to  
39.81 (midpoint) Set an ironpost, 3 ft. long, 1 in. in diam., 18 ins. in the ground to bed rock, supported in a mound of stone, deposit a stone marked cross (X) at base of post, for reestablished 1/4 sec. cor., marked on brass cap.



1925

From which,  
An oak, 15 ins. in diam., brs. N.52°E., 398 lks. dist., marked 1/4 S 34 BT  
No other tree available.

45.00 Spur, slopes SW.  
Descend 229 ft. over NW. slope.  
62.70 Drain, 10 lks. wide course W.  
79.62 Intersect the orig. cor. of secs. 27, 28, 33 and 34, which is a mesquite stake, 3x4x18 ins. above ground, set in a mound of stone, marked XXVII on NE. face, XXXIII on SW. face, other scribe marks not legible, From which an old stump brs. N.13°E. 11 lks. dist.,  
Reconstruct this cor. monument as follows: Along side of old post, set an iron post, 3 ft. long, 2 ins. in diam., 22 ins. in the ground to bed rock, supported in a mound of stone, for the cor. of secs. 27, 28, 33 and 34, marked on brass cap.



1925.

From which,  
A mesquite, 5 ins. in diam., brs. N.55°E., 18 lks. dist., marked T21S R16E S27 BT  
An oak, 14 ins. in diam., brs. S.44°E., 285 lks. dist., marked T21S R16E S34 BT

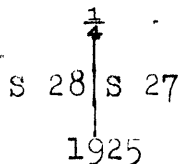
## Resurvey of part of the subdivision lines of T.21 S. R.16 E.

chains.

A mesquite, 8 ins. in diam., brs. S.39°W., 157 lks. dist.,  
marked T21S R16E S33 BT  
A mesquite, 8 ins. in diam., brs. N.29°W., 175 lks. dist.,  
marked T21S R16E S28 BT

Land, rough, mountainous.  
Soil, rocky, 3rd. rate.  
Timber, scattering oak and mesquite.  
Undergrowth, scrub oak.

7.55 N.0°2'W., on true line, bet. secs. 27 and 28.  
Over mountainous land, thru. scattering timber.  
Ascend 146 ft. over SE. slope.  
Ridge, brs. NE. and SW.  
17.80 Descend 229 ft. over NW. slope.  
Drain, 10 lks. wide, course W.  
40.07 Ascend 81 ft. over SW. slope to  
(midpoint) Set an iron post, 3 ft. long, 1 in. in diam.,  
27 ins. in the ground, for reestablished  $\frac{1}{4}$  sec. cor.,  
marked on brass cap.



From which,  
A mesquite, 6 ins. in diam., brs. S.39 $\frac{1}{4}$ °E., 130 lks. dist.,  
marked  $\frac{1}{4}$  S 27 BT  
An oak, 14 ins. in diam., brs. S.11°W., 249 lks. dist.,  
marked  $\frac{1}{4}$  S 28 BT  
48.50 Ascend 107 ft. over SW. slope.  
Ridge, brs. NE. and SW.  
58.40 Descend 216 ft. over NW. slope.  
Drain, 10 lks. wide, course W.  
Thence over rolling land to  
80.14 Intersect the orig. cor. of secs. 21, 22, 27 and 28, which  
is a mesquite stake, 4x4x20 ins. above ground, set  
in a mound of stone, and bearing traces of old  
scribe marks, not legible.  
From which,  
An oak, 20 ins. in diam., brs. N.61°E., 37 lks. dist., unmarked.  
An oak, 18 ins. in diam., brs. S.33°E., 26 lks. dist., "  
An oak, 14 ins. in diam., brs. S. 7°W., 84 lks. dist., "  
An oak, 9 ins. in diam., brs. N.61°W., 22 lks. dist., "  
Reconstruct this cor. monument as follows; along side of  
old post, set an iron post, 3 ft. long, 2 ins. in  
diam., 10 ins. in the ground to bed rock, supported  
in a mound of stone, for the cor. of secs. 21, 22,  
27 and 28, marked on brass cap,

|             |
|-------------|
| T21S R16E   |
| S 21   S 22 |
| S 28   S 27 |

1925

Scribe proper marks on original bearing trees.

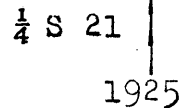
Land, mountainous.  
Soil, rocky, 3rd rate.  
Timber, scattering oak and mesquite.  
No undergrowth.



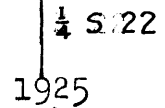
Resurvey of part of the subdivision lines of T.21S. R.16 E.

chains.

N.0°11'W. on true line on E. bdy. of sec. 21 (S. 1/2).  
 Over mountainous land, thru. scattering timber.  
 0.50 Drain, 10 lks. wide, course S.75°W.  
 Ascend 69 ft. over SW. slope.  
 23.80 Spur, slopes W.  
 Descend 178 ft. over NW. slope.  
 30.20 Draw, 100 lks. wide, course W.  
 Ascend 20 ft. over S. slope.  
 31.80 Ridge, brs. E. and W.  
 Thence over rolling land to  
 39.22 Intersect the orig. 1/4 sec. cor. of secs. 21 and 22, which  
 is a stake 3x3x20 ins. above ground, set in a mound of  
 stone, and marked 1/4 S on W. side,  
 From which,  
 A juniper, 16 ins. in diam., brs. S.16°E., 50 lks. dist.,  
 marked 1/4 S 22 BT  
 A juniper, 20 ins. in diam., brs. S.80°W., 26 lks. dist.,  
 marked 1/4 S 21 BT  
 Reconstruct this cor. monument and alter to refer to sec. 21 only,  
 as follows; along side of old post, set an iron post  
 3 ft. long, 1 in. in diam., 27 ins. in the ground,  
 for 1/4 sec. cor. of sec. 21 only, marked on brass cap,



From which,  
 A black oak, 12 ins. in diam., brs. S.29°W., 64 lks. dist.,  
 marked 1/4 S 21 BT  
 A white oak, 9 ins. in diam., brs. N.77 1/2°W., 40 lks. dist.,  
 marked 1/4 S 21 BT  
 Destroy old scribe marks on orig. SE. bearing tree.  
 Thence,  
 N.0°1'E., on true line, on E. bdy. of sec. 21 (N. 1/2).  
 Over rolling mountains, thru. scattering timber.  
 0.78 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in  
 the ground, for reestablished 1/4 sec. cor. of sec. 22 only,  
 marked on brass cap,



From which,  
 A white oak, 12 ins. in diam., brs. N.39 1/4°E., 42 lks. dist.,  
 marked 1/4 S 22 BT  
 A black oak, 15 ins. in diam., brs. S.59 1/4°E., 172 lks. dist.,  
 marked 1/4 S 22 BT  
 16.70 Draw, 30 lks. wide, course SW.  
 29.29 Fence, brs. NW. and SE.  
 36.70 Drain, 30 lks. wide, course SW.  
 39.78 Intersect the orig. cor. of secs. 15, 16, 21 and 22, which  
 A mesquite stake, 3x3x30 ins. above ground, and marked  
 XXLSR on NE. face, XVI on the NW. face; other scribe  
 marks not legible. From which,  
 A black oak, 12 ins. in diam., brs. S.59°E., 78 lks. dist.,  
 marked T21S R16E S22 BT  
 A black oak, 16 ins. in diam., brs. S.32°W., 89 lks. dist.,  
 marked T21S R16E S21 BT  
 No other old bearing trees.  
 Reconstruct this cor. monument as follows; along side of  
 old stake, set an iron post, 3 ft. long, 2 ins. in diam.,  
 20 ins. in the ground to bed rock, supported in a mound  
 of stone, for the cor. of secs. 15, 16, 21 and 22, mark-  
 ed on brass cap.

## Resurvey of part of the subdivision lines of T.21 S. R.16 E.

chains.

T21S R16E  
 S 16 | S 15  
 S 21 | S 22

1925

From which,  
 An oak, 10 in. in diam., brs. N.15°E. 122 lks. dist.,  
 marked T21S R16E S15 BT  
 An oak 14 in. in diam., brs. N.11°W. 287 lks. dist.,  
 marked T21S R16E S16 BT.  
 Use old bearing trees for SE. and SW. as hereinbefore  
 described.  
 Land, mountainous,  
 Soil, rocky, 3rd rate,  
 Timber, scattering oak and mesquite.  
 No undergrowth.

N.0°13'W., on true line, bet. secs. 15 and 16, (S.  $\frac{1}{2}$ ).  
 Over mountainous land, thru. scattering timber.  
 0.60 Fence, brs. E. and W.  
 Ascend 23 ft.  
 1.05 Spur, slopes E.  
 Descend 20 ft. over N. slope  
 3.80 Drain, course, E.  
 Ascend 116 ft. over S. slope.  
 5.80 Spur, W.  
 11.60 Drain, 15 lks. wide, course S.15°W.  
 14.80 Spur, slopes E.  
 39.61 Intersect the orig.  $\frac{1}{4}$  sec. cor. of secs. 15 and 16, which  
 is an old mound of stone.  
 Reconstruct this cor. monument as follows; In center of  
 old mound of stone, set an iron post, 3 ft. long  
 1 in. in diam., 21 ins. in the ground to bed rock,  
 supported in a mound of stone, for  $\frac{1}{4}$  sec. cor. of secs. 15 and  
 16, marked on brass cap

$\frac{1}{4}$   
 S 16 | S 15

1925

From which,  
 An oak, 7 ins. in diam., brs, N.86° E., 112 lks. dist.,  
 marked  $\frac{1}{4}$  S15 BT  
 An oak, 12 ins. in diam., brs S. 17°W., 194 lks. dist.,  
 marked  $\frac{1}{4}$  S16 BT.

Thence,  
 N.0°7'E., on true line, bet. secs. 15 and 16, (N.  $\frac{1}{2}$ ).  
 Over rolling mountains, thru. scattering timber.  
 Ascend 198 ft.  
 17.60 Spur, Slopes W.  
 Descend 83 ft. over N. slope.  
 23.20 Drain, 2 lks. wide, course W.  
 Ascend 57 ft. over S. slope.  
 39.60 Spur, slopes S.75°W.  
 40.22 Intersect the orig. cor. of secs. 9, 10, 15 and 16, which  
 is a stake (unmarked) in a mound of stone.  
 Reconstruct this cor. monument as follows; Along side  
 of old stake, set an iron post 3 ft. long, 2 ins. in  
 diam., 27 ins. in the ground, for the cor. of secs.  
 9, 10, 15 and 16, marked on brass cap.

T21S R16E  
 S 9 | S 10  
 S 16 | S 15  
 1925

Resurvey of part of the subdivision lines of T.21 S. R.16 E.

chains.

From which,  
 An oak, 8 ins. in diam., brs. N.24½°E. 130 lks. dist.,  
 marked T21S R16E S10 BT  
 An oak, 12 ins. in diam., brs. S.74°E. 232 lks. dist.,  
 marked T21S R16E. S15 BT  
 An oak, 10 ins. in diam., brs. S.15°W. 474 lks. dist.,  
 marked T21S R16E S16 BT  
 An oak, 11 ins. in diam., brs. N.64°W. 190 lks. dist.,  
 marked T21S R16E S9 BT

Land, mountainous,  
 Soil, rocky, 3rd rate.  
 Timber, scattering oak and mesquite.  
 No undergrowth.

40.00

S.89°30'E., on true line, bet. secs. 10 and 15.  
 Over mountainous land, thru. scattering timber & undergrowth.  
 Ascend 338 ft. over broken NW. slope.  
 (record dist.) Set an iron post, 3 ft. long, 1 in. in  
 diam., 10 in. in the ground to bed rock, supported  
 in a mound of stone, for reestablished ¼ sec. cor. of secs. 10  
 and 15, marked on brass cap,

$\frac{1}{4}$  S 10  
 $\frac{1}{4}$  S 15  
 1925

From which,  
 A black oak, 8 ins. in diam., brs. S.84°E., 120 lks. dist.,  
 marked  $\frac{1}{4}$  S15 BT  
 A juniper, 9 ins. in diam., brs. N.20½°W., 170 lks. dist.,  
 marked  $\frac{1}{4}$  S10 BT

41.40

Spur, slopes N.70°W.

59.00

Descend 304 ft. over NE. slope .  
 Wash, 30 lks. wide, course N.70°W.  
 Ascend 30 ft.

65.40

Spur. slopes N.

66.40

Descend 25 ft. over E. slope.

80.00

Drain, 30 lks. wide, course N.  
 Ascend 141 ft. over broken W. slope to  
 ( record dist. E. of the orig. cor. of secs. 9, 10, 15 and  
 16, and record dist. S. of the cor. of secs. 2,  
 3, 10 and 11.) Set an iron post, 3 ft. long, 2 ins.  
 in diam., 2 ins. in the ground to bed rock, support-  
 ed in a mound of stone, for reestablished cor. of secs. 10  
 and 15 only, marked on brass cap.

T21S R16E  
 S 10 | S 14  
 S 15 |  
 1925

From which,  
 A juniper, 10 ins. in diam., brs. N.36°W., 120 lks. dist.,  
 marked T21S R16E S10 BT  
 A juniper, 8 ins. in diam., brs. S.37°W., 89 lks. dist.,  
 marked T21S R16E S15 BT

Land, mountainous.  
 Soil, rocky, 3rd. rate.  
 Timber, scattering oak and mesquite.  
 Undergrowth, scrub oak.

## Resurvey of part of the subdivision lines of T. 21 S. R. 16 E.

chains.

- N. 0° 14' W., on true line, bet E. bdy. of sec. 10. 11,  
Over mountainous land, thru scattering timber.  
Ascend 88 ft. over rolling SW. slope.
- 2.55 Intersect the cor. of secs. 11 and 14, hereinafter described. Continue line and measurement.
- 7.70 Spur, slopes NW.  
Descend 180 ft. over NW. slope.
- 23.50 Wash, 10 lks. wide, course SW.  
Ascend 207 ft. over SW. slope to
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 2 ins. in the ground to bed rock, supported in a mound of stone, for reestablished  $\frac{1}{4}$  sec. cor. of sec. 10 only, marked on brass cap,

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

1925

From which,

A black oak, 12 ins. in diam., brs. N. 55° W., 320 lks. dist.,  
marked  $\frac{1}{4}$  S10 BT  
No other tree available.

- 42.55 (40.00 chs. N. of the cor. of secs. 11 and 14 only.) Set an iron post, 3 ft. long, 1 in. in diam., 2 ins. in the ground to bed rock, supported in a mound of stone, deposit a stone marked cross (X) at base of post, for reestablished  $\frac{1}{4}$  sec. cor. of sec. 11 only, marked on brass cap,

 $\frac{1}{4}$  S11

1925

From which,

A black oak, 14 ins. in diam., brs. S. 51 $\frac{1}{2}$ ° E., 481 lks. dist.,  
marked  $\frac{1}{4}$  S11 BT  
No other tree available.

- 41.83 Ridge, brs. E. and W.  
Descend 293 ft. over N. slope.
- 55.00 Wash, 15 lks. wide, course NE.
- 65.00 Wash, 15 lks. wide, course NW.
- 73.30 Wash, 12 lks. wide, course SW.  
Ascend 96 ft. over S. slope to
- 80.00 Intersect the orig. cor. of secs. 2, 3, 10 and 11, which is a granite stone 14x8x6 ins. above ground, no marks visible.  
Reconstruct this cor. monument as follows; along side of old stone, set an iron post, 3 ft. long, 2 ins. in diam., 4 ins. in the ground to bed rock, supported in a mound of stone, deposit a stone marked cross (X) at base of post, for the cor. of secs. 2, 3, 10 and 11, marked on brass cap,

T21S R16E

S 3 | S 2

S 10 | S 11

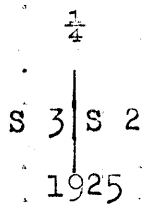
1925

No bearing trees available.  
Land, mountainous.  
Soil, rocky, 3rd rate.  
Timber, very scattering oak and mesquite.  
Undergrowth, none.  
Some grass.

Resurvey of part of the subdivision lines of T.21 S. R.16 E.

chains.

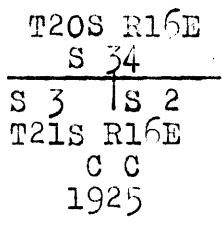
N.0°14'W., on true line, bet. secs. 2 and 3.  
 Over mountainous land, thru. scattering timber.  
 Ascend 34 ft.  
 3.40 Spur, slopes W.  
 Descend 20 ft.  
 9.10 Spur, slopes W.  
 Descend 98 ft.  
 16.10 Ravine, course W.  
 Ascend 120 ft.  
 24.10 Ridge, brs. E. and W.  
 Descend 168 ft.  
 35.70 Wash, 5 lks. wide, course W.  
 Ascend 71 ft. over S. slope to  
 39.68 (proportional distance bet. existing old cors.) Set an  
 iron post, 3 ft. long, 1 in. in diam., 3 ins. in the  
 ground to bed rock, supported in a mound of stone, for  
 reestablished 1/4 sec. cor. of secs. 2 and 3, marked on brass cap,



From which,  
 A black oak, 10 ins. in diam., brs., N.70½°E., 209 lks. dist.,  
 marked 1/4 S2 BT  
 A white oak, 6 ins. in diam., brs. West, 80 lks. dist.,  
 marked 1/4 S3 BT

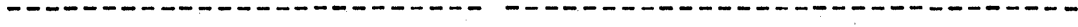
Ascend 153 ft. over S. slope.  
 57.50 Ridge, brs. E. and W.  
 Descend 101 ft. over broken N. slope.  
 63.00 Wash, course W.  
 Ascend 60 ft. over S. slope to  
 79.63 Intersect the orig. closing cor. of secs. 2 and 3, which  
 is a stone 9x8x6 ins. above ground, set in a mound of  
 stone, no marks legible.

Reconstruct this cor. monument as follows; Along side of  
 old stone, set an iron post, 3 ft. long, 2 ins. in  
 diam., 8 in. in the ground to bed rock, supported  
 in a mound of stone, deposit a stone marked cross  
 (X) at base of post, for closing cor. of secs. 2 and 3, marked  
 on brass cap



No bearing trees available.

Land, rolling mountains.  
 Soil, rocky, 3rd rate.  
 Timber, scattering oak.  
 No undergrowth.



Boundaries of that part of T.21 S. R.16 E. subdivided under this Group.

Latitudes, departures, and closing errors.

| Line designated.                      | True bearing. | Dist.  | Latitudes. |        | Departures. |        |
|---------------------------------------|---------------|--------|------------|--------|-------------|--------|
|                                       |               |        | N.         | S.     | E.          | W.     |
| Subdivisional boundary.               | N.0°13'W.     | 79.62  | 79.62      |        |             | .30    |
|                                       | N.0°12'W.     | 80.14  | 80.14      |        |             | .05    |
|                                       | N.0°11'W.     | 39.22  | 39.22      |        |             | .12    |
|                                       | N.0°1'E.      | 39.78  | 39.78      |        |             | .01    |
|                                       | N.0°13'W.     | 39.61  | 39.61      |        |             | .15    |
|                                       | N.0°7'E.      | 40.22  | 40.22      |        |             | .08    |
|                                       | S.89°30'E.    | 80.00  |            | .70    | 80.00       |        |
|                                       | N.0°14'W.     | 80.00  | 80.00      |        |             | .33    |
|                                       | N.0°14'W.     | 79.63  | 79.63      |        |             | .32    |
| North boundary.<br>(4th Std. Par. S.) | N.89°54'E.    | 8.83   |            | .01    | 8.83        |        |
|                                       | N.89°51'E.    | 39.88  |            | .02    | 39.88       |        |
|                                       | S.89°58'E.    | 39.76  | .10        |        | 39.76       |        |
|                                       | N.89°32'E.    | 40.10  | .33        |        | 40.10       |        |
|                                       | N.89°51'E.    | 31.31  | .08        |        | 31.31       |        |
| East boundary.                        | South.        | 476.98 |            | 476.98 |             |        |
| South boundary.                       | S.89°50'W.    | 39.16  |            | .11    |             | 39.16  |
|                                       | N.89°49'W.    | 40.00  | .13        |        |             | 40.00  |
|                                       | N.89°54'W.    | 40.00  | .07        |        |             | 40.00  |
|                                       | S.89°48'W.    | 40.00  |            | .14    |             | 40.00  |
|                                       | N.89°56'W.    | 40.00  | .05        |        |             | 40.00  |
|                                       | S.89°42'W.    | 39.22  |            | .20    |             | 39.22  |
| Convergency.                          |               |        |            |        | .22         |        |
| Totals                                |               |        | 478.98     | 478.16 | 240.19      | 239.65 |
|                                       |               |        | 478.16     |        | 239.65      |        |
| Error in latitude                     |               |        | 0.82       |        |             |        |
| Error in departure                    |               |        |            |        | 0.54        |        |

Survey of part (completion) of Subdivision lines of T.21 S. R.16 E.

chains.

From the cor of secs. 35 & 36, on S. bdy. of Tp., hereinbefore described.

N. 0° 1' W., bet. secs. 35 and 36.

Over rolling hills, thru. scattering timber & undergrowth.

Ascend 100 ft. to

40.00

Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the ground to bed rock, in a mound of stone, for  $\frac{1}{4}$  sec. cor., marked on brass cap.

$\frac{1}{4}$

S 35 | S 36

1925

From which,

A black oak, 8 ins. in diam., brs. N. 81° E., 119 lks. dist., marked  $\frac{1}{4}$  S36 BT

A black oak, 10 ins. in diam., brs. N. 14 $\frac{1}{2}$ ° W., 140 lks. dist., marked  $\frac{1}{4}$  S35 BT

80.00

Ascend 400 ft. over SW. slope to

Set an iron post, 3 ft. long, 2 ins. in diam., 14 ins. in the ground to bed rock, in a mound of stone, for cor. of secs. 25, 26, 35 and 36, marked on brass cap.

T21S R16E.

S 26 | S 25

S 35 | S 36

1925

No bearing trees available. Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land rolling hills.

Soil, rocky, 3rd and 4th rate.

Timber, scattering oak and mesquite.

Undergrowth, scattering cactus and buck-brush.

40.00

East, on random line, bet. secs. 25 and 36.

79.98

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

Intersect the E. bdy. of Tp., 9 lks. S. of the cor. of secs. 25 and 36, hereinbefore described.

Thence,

S. 89° 56' W. on true line bet. secs. 25 and 36.

Over rolling hills, thru. scattering timber & undergrowth.

3.60

Wash, 30 lks. wide, course, S. 15° W.

6.30

Trail, brs. N. and S.

39.40

Wash, 10 lks. wide, course, S.

39.99

Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap,

$\frac{1}{4}$  S 25

S 36

1925

From which,

A white oak, 7 ins. in diam., brs. N. 71° E., 142 lks. dist., marked  $\frac{1}{4}$  S25 BT.

A black oak, 7 ins. in diam., brs. S. 30 $\frac{1}{2}$ ° W., 120 lks. dist., marked  $\frac{1}{4}$  S36 BT

## Survey of part ( completion) of the subdivision lines of T.21 S.R.16 E

chains.

- 52.10 Wash, 20 lks. wide, course, SE.  
Ascend 450 ft. over NE. slope.  
72.30 Ridge, brs. NW. and SE.  
Descend 175 ft. over SW. slope to  
79.98 The cor. of secs. 25, 26, 35 and 36.

Land, mountainous.  
Soil, rocky, 3rd. rate.  
Timber, scattering oak and pine.  
Undergrowth, manzanita, scrub oak and mesquite.

- N.0°1'W., bet. secs. 25 and 26.  
Over mountainous land, thru. scattering timber & undergrowth.  
Ascend 140 ft. over SW. slope.  
5.00 Spur, slopes SW.  
12.40 Ridge, brs. NW. and SE.  
Descend 228 ft. over N. slope.  
24.50 Ravine, course N.75°W.  
Ascend 70 ft.  
31.25 Spur, slopes NW.  
Descend 40 ft. to  
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in  
the ground to bed rock, in a mound of stone, for  $\frac{1}{4}$  sec.  
cor., marked on brass cap,

$\frac{1}{4}$   
 |  
 S 26 | S 25  
 1925

- From which,  
A white oak, 14 ins. in diam., brs. N.66 $\frac{1}{4}$ °E., 146 lks. dist.,  
marked  $\frac{1}{4}$  S25 BT  
A white oak, 16 ins. in diam., brs. N.27 $\frac{1}{2}$ °W., 76 lks. dist.,  
marked  $\frac{1}{4}$  S26 BT

- 41.50 Head of ravine, course SW.  
Ascend 730 ft.  
70.00 Spur, slopes SW.  
Descend 20 ft.  
73.50 Ravine, course SW.  
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in  
the ground to bed rock, in a mound of stone, for the  
cor. of secs. 23, 24, 25, and 26, marked on brass cap,

T21S R16E  
 S 23 | S 24  
 S 26 | S 25  
 1925

- From which,  
A white oak, 8 ins. in diam., brs. N.83°E., 175 lks. dist.,  
marked T21S R16E S24 BT  
A white oak, 14 ins. in diam., brs. N.71°W., 107 lks. dist.,  
marked T21S R16E S23 BT  
A black oak, 10 ins. in diam., brs. S.50 $\frac{1}{2}$ °E., 321 lks. dist.,  
marked T21S R16E S25 BT  
A white oak, 12 ins. in diam., brs. S.19°W., 88 lks. dist.,  
marked T21S R16E S26 BT



Survey of part ( completion) of the subdivision lines of T.21 S. R.16 E.

chains.

Land, rolling and mountainous.  
Soil, rocky. 3rd. rate.  
Timber, scattering oak.  
Undergrowth, scrub mesquite.

-----  
East, on random line, bet. secs. 24 and 25.

40.00\$ Set temp. 1/4 sec. cor.

80.32 Intersect the E. bdy. of Tp. 12 lks. S. of the cor. of  
secs. 24 and 25 only,, hereinbefore described.

Thence,

S. 89° 55' W., on true line, bet. secs. 24 and 25.

Over rough mountainous land, thru. scattering timber &  
undergrowth.

.50 Ravine, course NW.

Ascend 220 ft.

20.60 Divide, brs. NW. and SE.

Descend 230 ft. to

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

1/4 S 24  
1/4 S 25

1925

From which,

A black oak, 12 ins. in diam., brs. N. 20 1/2° E., 91 lks. dist.,  
marked 1/4 S 24 BT

A white oak, 12 ins. in diam., brs. S. 73 1/2° W., 24 lks. dist.,  
marked 1/4 S 25 BT

40.70 Head of ravine; course S.

Ascend 130 ft.

47.60 Spur, slopes S.

Descend 145 ft.

-58.30 Ravine, course SE.

Ascend 325 ft.

70.60 Ridge, brs. NW. and SE.

Descend 175 ft. over SW. slope to

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

Land, rough mountains.

Soil, rocky, 3rd and 4th rate.

Timber, oak and juniper.

Undergrowth, scrub oak, buck-brush and manzanita.

-----  
N. 0° 1' W., bet. secs. 23 and 24.

Over mountainous land, thru. scattering timber & undergrowth.

Ascend 155 ft.

4.30 Ridge, brs. NE. and SW.

Descend 325 ft.

25.40 Ravine, course SW.

Ascend 85 ft.

37.90 Ravine, SE.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in  
the ground to bed rock, in a mound of stone, for 1/4 sec. cor.  
marked on brass cap,

1/4

S 23 | S 24

1925

## Survey of part (completion) of subdivision lines of T.21 S. R.16 E.

chains.

- From which,  
 A pine, 8 ins. in diam., brs. N.67°E., 82 lks. dist.,  
 marked,  $\frac{1}{4}$  S24 BT  
 A pine, 10 ins. in diam., brs. S.40 $\frac{1}{2}$ °W., 106 lks. dist.,  
 marked  $\frac{1}{4}$  S23 BT.
- Ascend 225 ft.  
 51.00 Ridge, brs. E. and W.  
 Descend 420 ft.  
 60.00 Ravine, course NW.  
 77.00 Ravine, Course NE.  
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 10 ins. in  
 the ground to bed rock, in a mound of stone, for  
 the cor. of secs. 13, 14, 23 and 24, marked on brass  
 cap,

T21S R16E  
 S 14 | S 13  
 S 23 | S 24

1925

- From which,  
 A white oak, 20 ins. in diam., brs. N.78°E., 310 lks. dist.,  
 marked T21S R16E S13 BT  
 A juniper, 14 ins. in diam., brs. S.26 $\frac{1}{4}$ °E., 124 lks. dist.,  
 marked T21S R16E S24 BT  
 A white oak, 8 ins. in diam., brs. S.44 $\frac{1}{4}$ °W., 141 lks. dist.,  
 marked T21S R16E S23 BT  
 A white oak, 8 ins. in diam., brs. N. 73°W., 143 lks. dist.,  
 marked T21S R16 E S14 BT

Land, rough mountainous.  
 Soil, rocky, 3rd and 4th rate.  
 Timber, scattering oak and juniper.  
 Undergrowth, scrub mesquite and buck brush grass.  
 Fair grass.

- 
- east on random line bet. secs. 13 and 24.  
 40.00 Set temp  $\frac{1}{4}$  sec. cor.  
 80.34 Intersect the E. bdy. of Tp. 14 lks. S. of the cor. of  
 secs. 13 and 24 only, hereinbefore described.  
 Thence,  
 S.89°54'W. on true line bet. secs. 13 and 24.  
 Over mountainous land, thru. scattering timber & undergrowth.  
 Ascend 290 ft. over E. slope.  
 14.30 Ridge, brs. N. and S.  
 Descend 262 ft.  
 26.00 Ravine, course, NW.  
 Ascend 230 ft. over E. slope.  
 40.17 Set an iron post, 3 ft. long, 1 in. in diam., 15 ins. in  
 the ground to bed rock, in a mound of stone, for  $\frac{1}{4}$   
 sec. cor., marked on brass cap,

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

1925

- From which,  
 An oak, 14 ins. in diam., brs. S.66 $\frac{1}{4}$ °E., 97 lks. dist.,  
 marked  $\frac{1}{4}$  S24 BT  
 A juniper, 12 ins. in diam., brs. N.36°E., 72 lks. dist.,  
 marked  $\frac{1}{4}$  S13 BT

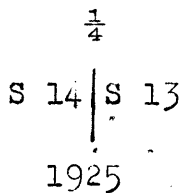
Survey of part (completion) of subdivision lines of T.21 S. R.16 E.

chains.

- 42.90 Descend 30 ft.
- Drain, 20 lks, wide, course NW.
- Ascend 196 ft. over SE. slope.
- 56.00 Ridge, brs. NE. and SW.
- Descend 128 ft. over N. slope.
- 77.60 Drain, course NE.
- 80.34 The cor. of secs. 13, 14, 23 and 24.

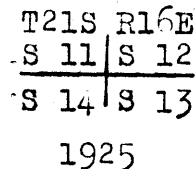
Land, mountainous.  
 Soil, rocky, 3rd rate.  
 Timber, oak and juniper.  
 Undergrowth, scrub oak.

- 
- 175.50 N.0°1'W., bet. secs. 13 and 14.
  - Over rough mountainous land, thru. scattering timber & undergrowth.
  - Ascend 215 ft.
  - Ridge, brs. NE. and SW.
  - Descend 390 ft.
  - 37.80 Ravine, course NE.
  - Ascend 30 ft. to
  - 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in the ground to bed rock, in a mound of stone, for  $\frac{1}{4}$  sec. cor.; marked on brass cap.



From which,  
 A juniper, 24 ins. in diam., brs. S.6 $\frac{1}{2}$ °W., 218 lks. dist., marked  $\frac{1}{4}$  S14 BT  
 An oak, 8 ins. in diam., brs. S.63 $\frac{1}{2}$ °E., 174 lks. dist., marked  $\frac{1}{4}$  S13 BT

- 42.00 Ascend 28 ft.
- Spur, slopes E.
- Descend 185 ft.
- 56.00 Gulch, course W.
- Ascend 173 ft. to
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 8 ins. in the ground to bed rock, in a mound of stone, for the cor. of secs. 11, 12, 13 and 14, marked on brass cap,



From which,  
 A juniper, 8 ins. in diam., brs. N.6 $\frac{1}{2}$ °E., 331 lks. dist. marked T21S R16E S12 BT  
 An oak, 10 ins. in diam., brs. S.44 $\frac{1}{2}$ °E., 193 lks. dist., marked T21S R16E S13 BT  
 An oak, 12 ins. in diam., brs. S.58°W., 314 lks. dist., marked T21S R16E S14 BT  
 An oak, 8 ins. in diam., brs. N.54 $\frac{1}{2}$ °W., 191 lks. dist., marked T21S R16E S11 BT.

Land, rough mountainous.  
 Soil, rocky, 4th rate.  
 Timber, oak and juniper.  
 Undergrowth, scrub oak and mesquite.

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Survey of part (completion) of subdivision lines of T.21 S. R.16 E.

chains. East, on random line, bet. secs. 12 and 13.  
 40.00 Set temp  $\frac{1}{4}$  sec. cor.  
 80.06 Intersect the E. bdy. of Tp. 21 lks. S. of the cor. of  
 secs. 12 and 13 only, hereinbefore described.  
 Thence,  
 S.  $89^{\circ}51'W.$ , on true line, bet. secs. 12 and 13.  
 Over mountainous land, thru. scattering timber & undergrowth.  
 Ascend 82 ft. over gradual NE. slope.  
 14.10 Ridge, brs. N. and S.  
 Descend 121 Ft.  
 25.00 Ravine, course, N.  
 Ascend 30 ft.  
 30.00 Ridge, brs. NW. and SE.  
 Descend 142 ft. to  
 40.03 Set an iron post, 3 ft. long, 1 in. in diam., 3 ins. in  
 the ground to bed rock, in a mound of stone, for  
 $\frac{1}{4}$  sec. cor., marked on brass cap.

$\frac{1}{4}$  S 12  
 $\frac{1}{4}$  S 13  
 1925

From which,  
 A juniper, 24 ins. in diam., brs. S.  $21\frac{1}{2}^{\circ}W.$ , 76 lks. dist.,  
 marked  $\frac{1}{4}$  S13 BT  
 A black oak, 7 ins. in diam., brs. N.  $64^{\circ}E.$ , 108 lks. dist.,  
 marked  $\frac{1}{4}$  S12 BT.

Descend 46 ft.  
 46.90 Drain, course W.  
 Ascend 408 ft. over NE. slope  
 66.50 Ridge, brs. N. and S.  
 Descend 297 ft. over SW. slope to  
 80.06 The cor. of secs. 11, 12, 13 and 14.

Land, mountainous.  
 Soil, rocky, 3rd rate.  
 Timber, oak and juniper.  
 Undergrowth, scrub oak.

West, on random line, bet. secs. 11 and 14.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.12 Intersect N. and S. line 9 lks. N. of the cor. of secs. 11 and 14 only, hereinafter  
 described.  
 Thence,  
 N.  $89^{\circ}56'E.$ , on true line, bet. secs. 11 and 14.  
 Over mountainous land, thru. scattering timber & undergrowth  
 Ascend 228 ft. over SW. slope  
 27.00 Spur, slopes S.  
 Descend 64 ft.  
 33.80 Drain, course S.  
 Ascend 71 ft. to  
 39.12 Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in  
 the ground to bed rock, in a mound of stone, deposit  
 a stone marked cross (X) at base of post, for  $\frac{1}{4}$  sec.  
 cor., marked on brass cap.

$\frac{1}{4}$  S 11  
 $\frac{1}{4}$  S 14  
 1925

Survey of part (completion) of the subdivision lines of T.21 S. R.16 E.

chains.

No bearing trees available.

60.80 Ascend 238 ft. over S.W. slope.  
Spur, slopes S.  
Descend 70 ft.

73.10 Drain, course S.  
Ascend 118 ft. to

79.12 The cor. of secs. 11, 12, 13 and 14.

Land, mountainous.  
Soil, rocky, 3rd rate.  
Timber, scattering oak and juniper.  
Undergrowth, scrub oak.

N. 0° 1' W., on W. bdy. of sec. 12  
Over rolling hills, thru. scattering timbers and undergrowth.  
Ascend 44 ft.

7.00 Ridge, brs. E. and W.  
Descend 349 ft.

35.50 Gulch, course SW.  
Ascend 165 ft. to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in  
the ground, for  $\frac{1}{4}$  sec. cor., for  $\frac{1}{4}$  sec. cor. of secs. 11 and 12,  
marked on brass cap

$\frac{1}{4}$

S 11 | S 12

1925

From which,  
An oak, 6 ins. in diam., brs. S. 74° E., 83 lks. dist.,  
marked  $\frac{1}{4}$  S12 BT  
An oak, 6 ins. in diam., brs. N. 52° W., 68 lks. dist.,  
marked  $\frac{1}{4}$  S11 BT

41.30 Ascend 34 ft.  
Spur, slopes SW.  
Descend 170 ft.

46.70 Ravine, course W.  
Ascend 136 ft.

55.60 Spur, slopes NW.  
Descend 113 ft.

63.00 Ravine, course NW.  
Ascend 110 ft. to cor. of secs. 1 and 12.

77.45 The cor. of secs. 2 and 11, hereinafter described.  
Continue line and measurement

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 16 ins. in  
the ground to bed rock, in a mound of stone, deposit  
a stone marked cross (X) at base of post, for the cor.  
of secs. 1 and 12 only, marked on brass cap.

T21S R16E  
S 2 | S 1  
| S 12

1925.

From which,  
An oak 10 ins. in diam., brs. N. 45 $\frac{1}{2}$ ° E., 452 lks. dist.,  
marked T21S R16E S1 BT  
No other bearing trees available.  
Land, rolling hills.  
Soil, rocky, 3rd and 4th rate.  
Timber, oak and juniper.  
Undergrowth, scrub oak and mesquite.

Survey of part (completion) of subdivision lines of T.21S. R.16 E.

chains.

40.00 East, on random line, bet. secs. 1 and 12.  
Set temp.  $\frac{1}{4}$  sec. cor.

80.06 Intersect the E. bdy. of Tp. 28 lks. S. of the cor. of  
secs. 1 and 12, hereinbefore described.

Thence,  
S.  $89^{\circ}48'$  W., on true line, bet. secs. 1 and 12.

3.50 Over rolling and mountainous land, thru. scattering timber & undergrowth.  
Drain, 35 lks. wide, course N.

Thence over rolling mesa land.  
Ascend 146 ft.

24.00 Ridge, brs. N. and S.  
Descend 143 ft.

34.10 Drain, 5 lks. wide, course N.

39.90 Drain, 2 lks. wide, course N.  $20^{\circ}$  E.

40.03 Set an iron post, 3 ft. long, 1 in. 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 1  
S 12  
1925

From which,  
A cedar, 6 ins. in diam., brs. S.  $12^{\circ}$  E., 29 lks. dist.,  
marked  $\frac{1}{4}$  S12 BT  
A cedar, 7 ins. in diam., brs. N.  $64\frac{1}{2}^{\circ}$  E., 109 lks. dist.,  
marked  $\frac{1}{4}$  S1 BT

Over rolling land.

68.50 Drain, 4 lks. wide, course N.  
Ascend 83 ft.

79.50 Flat top ridge, brs. N. and S.

80.06 The cor. of secs. 1 and 12.

Land, mountainous.  
Soil, rocky, 3rd rate.  
Timber, oak and juniper.  
Undergrowth, scrub oak.

---

From the cor. of secs. 2, 3, 10 and 11.

40.00 East, on random line, bet. secs. 2 and 11, for dist., only.  
Set temp.  $\frac{1}{4}$  sec. cor.

79.64 Intersect the W. bdy. of sec. 12 at a point. 2.55 chs. S.  $0^{\circ}1'$  E.  
from the cor. of secs. 1 and 12, only. At point of  
intersection, set an iron post, 3 ft. long, 2 ins. in  
diam., 3 ins. in the ground to bed rock, deposit a  
stone marked cross (X) at base of post, for the cor.  
of secs. 2 and 11, only, marked on brass cap.

T21S R16E  
S 2 | S 12  
S 11 |  
1925

No bearing trees available.  
Return to cor. of secs. 2, 3, 10 and 11,  
Thence,  
East, on true line, bet. secs. 2 and 11.  
Over mountainous land, thru. scattering timber & undergrowth.  
Descend 71 ft.

14.40 Drain, 30 lks. wide, course SW.  
Ascend 89 ft.

18.30 Spur, slopes N.  
Descend 39 ft.

22.70 Drain, 30 lks. wide, course NW.  
Ascend 206 ft.

Survey of part (completion) of the subdivision lines of T.21S. R.16 E.

chains.  
39.82 (Midpoint) Set an iron post, 3 ft. long, 1 in. in diam., 3 ins. in the ground to bed rock, in a mound of stone, for  $\frac{1}{4}$  sec. cor. marked on brass cap.

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

1925

From which,

A black oak, 9 ins. in diam., brs. S.69°E., 99 lks. dist., marked  $\frac{1}{4}$  S11 BT

A black oak, 6 ins. in diam., brs. N.40°E., 24 lks. dist., marked  $\frac{1}{4}$  S12 BT

- Ascend 154 ft.
- 52.10 Ridge, brs. N. and S.
- Descend 135 ft. over E. slope.
- 63.00 Drain, 6 lks. wide, course NW.
- Ascend 168 ft. over W. slope
- 79.00 Top of flat ridge, brs. N. and S.
- 79.64 Intersect the cor. of secs. 2 and 11. 11 only.

Land, mountainous,  
Soil, rocky, 3rd rate.  
Timber, oak and juniper.  
Undergrowth, scrub oak.

From cor. of secs. 1 and 12,  
N.0°1'W., on W. bdy. of sec. 1.  
Over rolling hills, thru. scattering timber and undergrowth.  
Descend 237 ft.

37.06 (proportional dist) Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground, in mound of stone, for  $\frac{1}{4}$  sec. cor. of sec. 2 only, marked on brass cap.

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

1925

From which,

An oak, 6 ins. in diam., brs. N.24°W., 310 lks. dist., marked  $\frac{1}{4}$  S2 BT.

A juniper, 7 ins. in diam., brs. S.34 $\frac{1}{2}$ °W., 163 lks. dist., marked  $\frac{1}{4}$  S2 BT

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for  $\frac{1}{4}$  sec. cor. of sec. 1 only, marked on brass cap.

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

1925

From which,

An oak, 7 ins. in diam., brs. N.65 $\frac{1}{4}$ °E., 51 lks. dist., marked  $\frac{1}{4}$  S1 BT

A juniper, 10 ins. in diam., brs. East, 16 lks. dist., marked  $\frac{1}{4}$  S1 BT

- 42.50 Ravine, course. W.
- Ascend 120 ft.
- 60.35 Spur, slopes W.
- Descend 150 ft. to
- 76.93 Intersect the North bdy. of the Tp. (4th Standard Parallel S.) at a point 8.29 chs. S.89°51'W., from the standard cor. of secs. 35 and 36, T.20 S. R.16 E., hereinbefore described.

Survey of part (completion) of the subdivision lines of T. 21 S. R. 16 E.  
chains.

At point of intersection, set an iron post, 3 ft. long,  
2 ins. in diam., 16 ins. in the ground to bed rock, in  
a mound of stone, for the closing cor. of secs. 1  
and 2, marked on brass cap.

T20S R16E

S 35

S 2 | S 1

CC

T21S R16E

1925.

From which,  
An oak, 8 ins. in diam., brs. S. 55° E., 36 lks. dist.,  
marked T21S R16E S1 CC BT  
A juniper, 6 ins. in diam., brs. S. 56° W., 102 lks. dist.,  
marked T21S R16E S2 CC BT.

Land, rolling hills.  
Soil, rocky, 3rd rate.  
Timber, oak and juniper.  
Undergrowth, scrub oak and mesquite.

From the cor. of secs. 26 and 27, hereinafter described,  
S. 0° 13' E., (parallel to W. bdy. of sec. 34) on random line bet. secs. 34 and 35,  
for dist. only.

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

79.64 Intersect the S. bdy. of Tp. at a point 62 lks. W. of the  
cor. of secs. 34 and 35, hereinbefore described.

Thence,  
N. 0° 13' W., on true line, bet. secs. 34 and 35.  
Over rough mountainous land, thru scattering timber & undergrowth.  
Ascend 452 ft.

32.00 Spur, slopes SE.

Descend 103 ft.

37.50 Ravine, course E.

Ascend 80 ft. to

39.82 (Midpoint) Set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in  
the ground to bed rock, in a mound of stone, for  $\frac{1}{4}$   
sec. cor., marked on brass cap.

$\frac{1}{4}$

S 34 | S 35

1925

From which,  
An oak, 12 ins. in diam., brs. S. 82° E., 335 lks. dist.,  
marked  $\frac{1}{4}$  S 35 BT  
An oak, 6 ins. in diam., brs. S. 55 $\frac{1}{4}$ ° W., 364 lks. dist.,  
marked  $\frac{1}{4}$  S 34 BT.

Ascend 80 ft.

44.30 Spur, slopes E.

Descend 200 ft.

69.60 Wash, course SE.

Ascend 86 ft. to

79.64 Intersect S. bdy. of sec. 26 at a point, 62 lks. N. 89° 57' E. of the cor.  
of secs. 26 and 27 only.

At point of intersection, set an iron post, 3 ft. long,  
2 ins. in diam., 12 ins. in the ground to bed rock, in  
a mound of stone, for the cor. of secs. 34 and 35,  
only, marked on brass cap.



Survey of part (completion) of subdivision lines of T. 21 S. R. 16 E.

chains.

T21S R16E  
 S 26  
 S 34 | S 35  
 1925

From which,  
 A white oak, 20 ins. in diam., brs. S. 38° E., 310 lks. dist.,  
 marked T21S R16E S35 BT  
 No other tree available.  
 Land, rough mountainous.  
 Soil, rocky, 4th rate.  
 Timber, oak.  
 Undergrowth, scrub mesquite.

16.00

From the cor. of secs. 25, 26, 35 and 36.  
 S. 89° 57' W., on true line, (parallel to mean bearing of S.  
 bdy. of sec. 35) on S. bdy. of sec. 26.  
 Over rolling hills, thru. scattering timber & undergrowth.  
 Descend 320 ft. over SW. slope.  
 Wash, 70 lks. wide, course S.  
 Ascend 300 ft.

40.00

Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in  
 the ground, for  $\frac{1}{4}$  sec. cor. of secs. 26 and 35, marked on  
 brass cap

$\frac{1}{4}$  S 26  
 S 35  
 1925

From which,  
 A black oak, 16 ins. in diam., brs. S. 13 $\frac{1}{2}$ ° W., 420 lks. dist.,  
 marked  $\frac{1}{4}$  S35 BT.  
 A white oak, 18 ins. in diam., brs. N. 32 $\frac{1}{2}$ ° W., 265 lks. dist.,  
 marked  $\frac{1}{4}$  S26 BT

48.00

Ascend 100 ft.  
 Ridge, brs. NW. and SE.  
 Descend 300 ft.

59.00

Ravine, course S.  
 Ascend 105 ft.

67.50

Spur, slopes S.  
 Descend 80 ft.

79.38

Intersect the cor. of secs. 34 and 35, hereinbefore described  
 Continue line and measurement.

80.00

Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in  
 the ground, to bed rock, deposit a stone marked with a cross  
 (X) at base of post, supported in a mound of stone,  
 for the cor. of secs. 26 and 27 only, marked on brass  
 cap.

T21S R16E  
 S 27 | S 26  
 S 34  
 1925

No bearing trees available.

Land, rolling and mountainous.  
 Soil, rocky, 3rd and 4th rate.  
 Timber, scattering oak.  
 Undergrowth, scrub mesquite.

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## Survey of part (completion) of subdivision lines of T.21 S. R.16 E.

|         |   |
|---------|---|
| chains. | From the cor. of secs. 34 and 35, hereinbefore described,<br>S. 89° 57' W., on random line, on N. bdy. of sec. 34.  |
| .62     | The cor. of secs. 26 and 27.  |
| 39.40   | Set temp. $\frac{1}{4}$ sec. cor. for sec. 34 only.   |
| 40.62   | Set temp. $\frac{1}{4}$ sec. cor. for sec. 27 only.   |
| 79.40   | Intersect N. and S. line 14 lks. N. of the cor. of secs. 27, 28, 33 and 34., hereinbefore described.  |
|         | Thence,<br>N. 89° 51' E., on true line, on N. bdy. of sec. 34.  |
| 3.40    | Over mountainous land, thru scattering timber & undergrowth.<br>Drain, 10 lks. wide, course, SW.  |
| 33.60   | Ascend 402 ft. over broken NW. slope.<br>Ridge, brs. NE. and SW.  |
| 38.78   | Descend 92 ft. over S. slope.<br>Set an iron post, 3 ft. long, 1 in. in diam., 3 ins. in the ground to bed rock, in a mound of stone, deposit a stone marked cross (X) at base of post, for $\frac{1}{4}$ sec. cor. of sec. 27 only, marked on brass cap. |
|         | <u><math>\frac{1}{4}</math> S 27</u>  |
|         | 1925  |
| 40.00   | No bearing trees available.<br>Set an iron post 3 ft. long, 1 in. in diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor. of sec. 34 only, marked on brass cap.  |
|         | <u><math>\frac{1}{4}</math> S 34</u>  |
|         | 1925  |
|         | Raise a mound of stone, 3 ft. base, 2 ft. high, S. of cor. An oak, 10 ins. in diam., brs. S. 7° W., 130 lks. dist., marked $\frac{1}{4}$ S 34 BT<br>No other bearing tree available.  |
| 40.20   | Ravine, course S.<br>Ascend 30 ft.  |
| 42.50   | Ridge, brs. N. 74° W. and S. 75° E.<br>Descend 226 ft. over NE. slope.  |
| 57.50   | Drain, 3 lks. wide, course S.<br>Ascend 89 ft. over SW. slope.  |
| 78.78   | The cor. of secs. 26 and 27 only, hereinbefore described.<br>Thence,<br>N. 89° 57' E., on true line, continuing measurement.  |
| 79.40   | Intersect the cor. of secs. 34 and 35.  |
|         | Land, mountainous.<br>Soil, rocky, 3rd rate.<br>Timber, scattering oak and mesquite.<br>Undergrowth, scrub oak.   |
|         | From the cor. of secs. 26 and 27 only, hereinbefore described,<br>N. 0° 1' W., bet. secs. 26 and 27.<br>Over rough mountainous land, thru scattering timber & undergrowth.<br>Ascend 520 ft.  |
| 21.20   | Top of hill,<br>Descend 379 ft. to  |
| 40.00   | Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground to bed rock, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap.   |

Survey of part (completion) of subdivision lines of T.21 S. R.16 E.

chains.

$\frac{1}{4}$   
 S27 | S26  
 1925

From which,  
 An oak, 8 ins. in diam., brs. N.25°E., 82 lks. dist.,  
 marked  $\frac{1}{4}$  S26 BT  
 An oak, 8 ins. in diam., brs. N.34 $\frac{1}{2}$ °W., 49 lks. dist.,  
 marked  $\frac{1}{4}$  S27 BT

Descend 219 ft.  
 57.00 Gulch, course W.  
 Ascend 135 ft.  
 70.10 Spur, slopes SW.  
 Descend 37 ft. to  
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 20 ins. in  
 the ground to bed rock, in a mound of stone, for the  
 cor. of secs. 22, 23, 26 and 27, marked on brass cap,

T21S R16E  
 S 22 | S 23  
 S 27 | S 26  
 1925

From which,  
 A white oak, 8 ins. in diam., brs. N.21°E., 157 lks. dist.,  
 marked T21S R16E S23 BT  
 An oak, 20 ins. in diam., brs. S.58°E., 458 lks. dist.,  
 marked T21S R16E S26 BT  
 An oak, 16 ins. in diam., brs. S.21 $\frac{1}{2}$ °W., 331 lks. dist.,  
 marked T21S R16E S27 BT  
 An oak, 8 ins. in diam., brs. N.10°W., 69 lks. dist.,  
 marked T21S R16E S22 BT

Land, rough mountainous.  
 Soil, rocky, 4th rate.  
 Timber, oak.  
 Undergrowth, scrub oak and mesquite.

East, on random line, bet. secs. 23 and 26.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.00 Intersect N and S line 133 lks. S. of the cor. of secs. 23, 24, 25 and 26, hereinbefore  
 described.  
 Thence,  
 S.89°46'W. on true line bet. secs. 23 and 26.  
 Over mountainous land, thru. scattering timber & undergrowth.  
 6.40 Divide, brs. NE. and SW.  
 Desc. 525 ft.  
 25.00 Ravine, course SW.  
 Ascend 20 ft.  
 28.00 Spur, slopes SW.  
 Descend 290 ft. to  
 40.00 Set an iron post, 3ft. long, 1 in. in diam., 8 ins. in the  
 ground to bed rock, in a mound of stone, for  $\frac{1}{4}$  sec. cor.,  
 marked on brass cap,

$\frac{1}{4}$  S 23  
 S 26  
 1925

From which,

Survey of part (completion) of subdivision lines of T.21 S. R.16 E.

chains.

A mesquite, 4 ins. in diam., brs. S.73 $\frac{1}{4}$ °W., 95 lks. dist.,  
marked  $\frac{1}{4}$  S26 BT  
A white oak, 10 ins. in diam., brs., N.3°E., 217 lks. dist.,  
marked  $\frac{1}{4}$  S23 BT

Descend 175 ft.

55.40 Ravine, course NW.

59.40 Ravine, course N.

Ascend 150 ft.

71.00 Ridge, brs. NW. and SE.

Descend 80 ft. to

80.00 The cor. of secs. 22, 23, 26 and 27.

Land, rolling and mountainous.

Soil, rocky, 3rd rate.

Timber, scattering oak.

Undergrowth, scrub mesquite.

Bunch grass.

West, on random line, bet. secs. 22 and 27.

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

78.70 Intersect N. and S. line 16 lks. N. of the cor. of secs. 21, 22, 27 and 28, hereinbefore described.

Return to cor. of secs. 22, 23, 26 and 27. Thence,  
S. 89° 55' W., on true line, bet. secs. 22 and 27.

Over rolling hills, thru scattering timber & undergrowth.

Descend 230 ft.

24.00 Cabin, brs. S. about 8.00 chs. dist..

31.50 Wash, course NW.

Ascend 86 ft. to

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

$$\begin{array}{r} \frac{1}{4} \text{ S } 22 \\ \frac{1}{4} \text{ S } 27 \\ \hline 1925 \end{array}$$

From which,

An oak, 14 ins. in diam., brs. S.46 $\frac{1}{2}$ °E., 104 lks. dist.,  
marked  $\frac{1}{4}$  S27 BT

An oak, 6 ins. in diam., brs. N.46°E., 84 lks. dist.,  
marked  $\frac{1}{4}$  S22 BT

Ascend 250 ft.

58.00 Ridge, brs: NW. and SE.

Descend 400 ft. to

78.70 The cor. of secs. 21, 22, 27 and 28.

Land; rough mountainous.

Soil, rocky, 4th rate:

Timber, oak.

Undergrowth, scrub oak and mesquite.

From temp. cor. of secs. 14, 15, 22 and 23, set at 80.00 chs. due west of the cor. of secs. 13, 14, 23 and 24,

S.0°1'E., on random line, bet. secs. 22 and 23, for dist. only.

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

80.46 Intersect E. and W. line 8 lks. E. of the cor. of secs. 22, 23, 26, and 27, hereinbefore described.

Survey of part (completion) of subdivision lines of T.21 S. R.16 E.

chains.

The true northerly dist. of the W. bdy. of sec. 23 is therefore, 80.46 chs.  
The true westerly dist. of the W. bdy. of sec. 23 is therefore, 80.08 chs.

Thence,  
N.0°1'W., bet. secs. 22 and 23.  
Over mountainous land, thru. scattering timber & undergrowth.

4.70

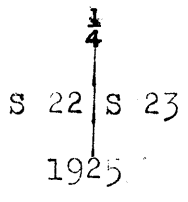
Low ridge, brs. E. and  
Descend 299 ft.

19.00

Drain, 12 lks. wide, course W.  
Ascend 96 ft. to

40.23

(Midpoint in northing bet. N. and S. bdrs. of sec. 23) Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for  $\frac{1}{4}$  sec. cor. of secs. 22 and 23, marked on brass cap



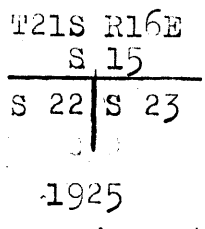
From which,  
A white oak, 16 ins. in diam., brs. S.26°E., 363 lks. dist., marked  $\frac{1}{4}$  S23 BT  
A white oak, 11 ins. in diam., brs. S.73°W., 204 lks. dist., marked  $\frac{1}{4}$  S22 BT

Ascend 245 ft. to

78.80

Intersect the S. bdy. of sec. 15, at a point 1.05 chs. W. of the SE. cor. of said sec., hereinafter described.

At point of intersection, set an iron post, 3 ft. long, 2 in. in diam., 10 ins. in the ground to bed rock, in a mound of stone, for cor. of secs. 22 and 23 only, marked on brass cap.



From which,  
An oak, 12 ins. in diam., brs. S.48 $\frac{1}{2}$ °E., 146 lks. dist., marked T21S R16E S23 BT  
An oak, 12 ins. in diam., brs. S.46°W., 22 lks. dist., marked T21S R16E S22 BT

Land, mountainous.  
Soil, rocky, 3rd rate.  
Timber, oak and juniper.  
Undergrowth, scrub oak.

From cor. of secs. 13, 14, 23 and 24,  
West, on true line, bet. secs. 14 and 23.  
Over mountainous land, thru. scattering timber & undergrowth.

13.20

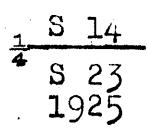
Drain, course SE.  
Ascend 433 ft. over NE. slope.

24.70

Ridge, brs. NW. and SE.  
Descend 259 ft.

40.04

Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the ground to bed rock, in a mound of stone, for  $\frac{1}{4}$  sec. cor., marked on brass cap.



## Survey of part (completion) of subdivision lines of T.21 S. R16 E.

chains.

From which,

An oak, 10 ins. in diam., brs. S.82°E., 134 lks. dist.,  
marked  $\frac{1}{4}$  S23 BTAn oak, 9 ins. in diam., brs. N.25°W., 64 lks. dist.,  
marked  $\frac{1}{2}$  S14 BT

Descend 472 ft. over S. slope to

79.03 Intersect the E. bdy. of sec. 15, at a point 1.66 chs.  
N.02°3'W. from the SE cor. of said sec. hereinafter  
described.At point of intersection, set an iron post, 3 ft. long, 2  
ins. in diam., 10 ins. in the ground to bed rock, in a  
mound of stone, for the closing cor. of secs. 14 and  
23, marked on brass cap.

T21S R16E

S 15 | S 14 CC  
S 23

1925

From which,

A white oak, 9 ins. in diam., brs. S.55½°E., 136 lks. dist.,  
marked T21S R16E S23 CC BTA white oak, 6 ins. in diam., brs. N.64½°E., 83 lks. dist.,  
marked T21S R16E S14 CC BT.

Land, mountainous.

Soil, rocky, 3rd rate.

Timber, oak and juniper.

Undergrowth, scrub oak.

From the cor. of secs. 10 and 15, hereinbefore described,  
S.0°3'E. (parallel to mean bearing of W. bdy. of sec. 15) on  
a random line, on E. bdy. of sec. 15, for distance only.40.00 Set temp.  $\frac{1}{4}$  sec. cor. of sec. 15 only.

77.45 A point 105 lks. E. of the temp. cor. of secs. 14, 15, 22 &amp; 23.

Set temp.  $\frac{1}{4}$  sec. cor. of sec. 15 only.79.13 Set temp. SE. cor. of sec. 15, theoretically due East of the  
the cor. of secs. 15, 16, 21 and 22.

Thence,

West, on random line, on S. bdy. of sec. 15.

1.05 A point 168 lks. S. of temp. cor. of secs. 14, 15, 22 &amp; 23.

40.00 Set temp.  $\frac{1}{4}$  sec. cor. of sec. 15 only.41.05 Set temp.  $\frac{1}{4}$  sec. cor. of sec. 22 only.80.00 Intersect N. and S. line 2 lks. S. of the cor. of secs. 15, 16, 21 and 22, hereinbefore  
described.The true length of the S. bdy. of sec. 15 is therefore,  
80.00 chs.The true length of the E. bdy. of sec. 15 is therefore,  
79.11 chs.

Thence,

East, on true line, on S. bdy. of sec. 15.

1.00 Over mountainous land, thru scattering timber &amp; undergrowth.

1.20 Fence, brs. N.75°W. and S.75°E.

1.50 Drain, 8 lks. wide, course S.20°W.

3.20 Spur, slopes W.

4.40 Drain, 30 lks. wide, course S.20°W.

Ascend 96 ft.

6.00 Drain, 12 lks. wide, course S.80°W.

Survey of part (completion) of subdivision lines of T. 21 S. R. 16 E. chains.

38.95 Set an iron post, 3 ft. long, 1 in. in diam., 16 ins. in the ground to bed rock, in a mound of stone, for  $\frac{1}{4}$  sec. cor. of sec. 22 only, marked on brass cap.

$\frac{1}{4}$ S 22

1925

From which,

An oak, 12 ins. in diam., brs. S.66°E., 116 lks. dist., marked  $\frac{1}{4}$  S22 BT

An oak, 9 ins. in diam., brs. S.44°W., 135 lks. dist., marked  $\frac{1}{4}$  S22 BT

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 3 ins. in the ground to bed rock, in a mound of stone, deposit a stone marked cross (X) at base of post, for  $\frac{1}{4}$  sec. cor. of sec. 15 only, marked on brass cap.

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

1925

From which,

An oak, 10 ins. in diam., brs. N.3°W., 195 lks. dist., marked  $\frac{1}{4}$  S15 BT

No other tree available.

51.00 Ascend 70 ft.  
Spur, slopes S.  
Descend 20 ft.

56.00 Drain, 7 lks. wide, course S.75°W.  
Ascend 357 ft. over W. slope.

78.95 Intersect the cor. of secs. 22 and 23, hereinbefore described.  
Continue line and measurement

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 10 ins. in the ground to bed rock, in a mound of stone, for the cor. of sec. 15 only, (SE cor.) marked on brass cap

T21S  
R16E  
S 15

S 23

1925

From which,

A black oak, 9 ins. in diam., brs. N.83 $\frac{1}{2}$ °W., 136 lks. dist., marked T21S R16E S15 BT

A black oak, 10 ins. in diam., brs. N.29°W., 131 lks. dist., marked T21S R16E S15 BT

Land, mountainous.

Soil, rocky, 3rd rate.

Timber, oak.

Undergrowth, scrub oak and mesquite.

From closing cor. of secs. 14 and 23, (1.66 chs. N.0°3'W. from SE cor. of sec. 15) hereinbefore described,  
N.0°3'W., on true line, on W. bdy. of sec. 14.

Over mountainous land, thru. scattering timber & undergrowth.  
Ascend 202 ft.

16.00 Ridge, brs. E. and W.

Descend 146 ft. over N. slope.

22.50 Drain, 5 lks, wide, course W. Ascend 238 ft. over SW slope to

Survey of part (completion) of subdivision lines of T.21 S. R.16 E.

chains.

37.45 (39.11 chs. N.0°3'W. from SE. cor. of sec. 15)

Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground to bed rock, in a mound of stone, for  $\frac{1}{4}$  sec. cor. of sec. 15 only, marked on brass cap.

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

1925

From which,

An oak, 8 ins. in diam., brs. S.14°W., 255 lks. dist., marked  $\frac{1}{4}$  S15 BT

An oak, 8 ins. in diam., brs. N.53 $\frac{1}{4}$ °W., 60 lks. dist., marked  $\frac{1}{4}$  S15 BT

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground to bed rock, in a mound of stone, for  $\frac{1}{4}$  sec. cor. of sec. 14 only, marked on brass cap.

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

1925

From which,

An oak, 10 ins. in diam., brs. N.10°E., 155 lks. dist., marked  $\frac{1}{4}$  S14 BT

An oak, 8 ins. in diam., brs. S.29°E., 102 lks. dist., marked  $\frac{1}{4}$  S14 BT

Ascend 102 ft.

49.50 Ridge, brs. NW. and SE.

Descend 541 ft. over NE. slope.

76.50 Drain, 25 lks, wide, course W.

Ascend 23 ft. over S. slope.

77.45 The cor. of secs. 10 and 15, hereinbefore described.

Thence, N.0°14'W. on true line, continuing measurement

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 10 ins. in the ground to bed rock, in a mound of stone, for the cor. of secs. 11 and 14 only, marked on brass cap.

T21S R16E

|      |      |
|------|------|
| S 10 | S 11 |
|      | S 14 |

1925

From which,

A pinion pine, 10 ins. in diam., brs. S.15°E., 249 lks. dist., marked T21S R16E S14 BT

An oak, 9 ins. in diam., brs. N.79°E. 173 lks., dist., marked T21S R16E S11 BT

Land, mountainous.

Soil, rocky, 3rd rate.

Timber, oak and juniper.

Undergrowth, scrub oak.



FINAL TRANSIT TESTS

February 22, 1925: At the station in the NE  $\frac{1}{4}$  of sec. 21, T.21 S., R.16 E., G. and S.R. B and M., Ariz., in Latitude  $31^{\circ}36'N.$ , longitude  $110^{\circ}41'W.$ , examine the adjustments of the instruments and find them correct. Then, to test the solar apparatus, by comparing their indications, resulting from observations made during a.m. and p.m. hours with the meridian established as described on page 2 hereof, we proceed as follows:

At 8h 0m., a.m., app. t., set off  $31^{\circ}36'N.$  on the latitude arcs and  $10^{\circ}11'S.$  on the declination arcs, and determine meridians with the solars, which coincide with the true meridian.

As similar tests made during the progress of the work have given meridians within  $1'30''$  of the true meridian, we conclude that the transits have been maintained in satisfactory adjustment.

February 22, 1925.

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GENERAL DESCRIPTION

Township 21 South, Range 16 East, G. and S.R. B. and M.

The township (that portion surveyd under group 133) is rising from rolling hills in the extreme westerly portion to the backbone of a mountain range in the easterly portion, the latter being generally rocky.

Soil is a claylike loam of granite origin, mixed with granite and rocks. Entirely third and fourth rate, it is not generally adaptable to agricultural uses.

Drainage is westerly, and altho there are no live streams, water from springs is available in the winter months. Alamo Spring, in section 1, furnishes the only water in summer months. Elsewhere typical desert conditions prevail.

There is a fair supply of timber: white oak, black oak and mesquite thruout, with pine and juniper in the higher mountains; suitable for fuel and fencing purposes. The amount of grass and edible undergrowth, for stock feed, is limited, and confined to the lower hills. Higher land is covered with undergrowth of scrub oak and mesquite with patches of manzanita.

There are no mines and but few isolated prospect holes.

There are no roads or other improvements.



CERTIFICATE OF UNITED STATES SURVEYOR

TRANSITMAN SURVEYOR

I, Roger F. Wilson, U. S. Surveyor, hereby certify upon honor that, in pursuance

of special instructions received from the U. S. Surveyor General, for Group No. 133, Arizona

bearing date of the 14th day of November, 1924, I have well, faithfully, and truly

in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instruc-

tions, and the laws of the United States, RESURVEYED all those parts or portions of the 4th Standard

Parallel South in R. 16 E., and the South and East bdrs. of T. 21 S. R. 16 E.

and SURVEYED all those parts or portions of

the East and North bdrs. and

Subdivision lines of

Township 21 South, Range 16 East of the Gila and Salt

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

the foregoing field notes as having been executed by me, and under my direction; and that all the corners of said resurvey

and survey have been established and perpetuated in strict accordance with the Manual of Surveying Instruc-

tions, and the special written instructions of the U. S. Surveyor General, for Group No. 133, Arizona

and in the specific manner described in the field notes, and that the foregoing are the original field notes of such resurvey and survey.

Place: San Francisco California Date: July 1, 1926

Roger F. Wilson U. S. Surveyor Transitman

APPROVAL

Office of the United States Surveyor General

19

The foregoing field notes of the survey of

executed by under his special instructions dated 10, 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

4-680

FIELD ASSISTANTS. to

D.R. Averill, U.S. Surveyor and Roger F. Wilson, U.S. Transitman.

| NAMES.           | CAPACITY.        |
|------------------|------------------|
| A.F. Ahrens      | First chainman   |
| R.A. Fye         | " "              |
| Carl Anderson    | Second chainman. |
| John Lange       | " "              |
| J.E. Kirkpatrick | Flagman          |
| Robert Reinhart  | "                |
| C.S. Davis       | Cornerman        |
| Clarence Newman  | "                |
| Ralph Gibson     | Axeman           |
| James Leach      | "                |
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CERTIFICATE OF UNITED STATES SURVEYOR.

I, Dupree R. Averill, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group No. 133, Arizona bearing date of the 14th day of November, 1924, 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~~ <sup>RESURVEYED</sup> all those parts or portions of the Subdivision lines of Township 21 South, Range 16 East and ~~SURVEYED~~ all those parts or portions of the Subdivision lines of

Township 21 South, Range 16 East of the Gila & Salt River Base and Meridian, in the State of Arizona, which are represented in and by diagram on page 1 hereof the foregoing field notes <sup>and by diagram on page 1 hereof</sup> as having been executed by me, and under my direction; and that all the corners of said resurvey and 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 No. 133, Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such ~~resurvey and survey~~ <sup>resurvey and survey</sup>.

Place: Imperial Calif.  
Date: June 9, 1926

Dupree R. Averill  
U. S. Surveyor.

San Francisco, California  
July 1, 1926

APPROVAL.

OFFICE OF THE U.S. SUPERVISOR OF SURVEYS

Denver Colorado, May 4, 1927.

The foregoing field notes of the ~~RESURVEY~~ <sup>RESURVEY</sup> of the 4th Std. Parallel S. thru Part of R. 16 E.; Parts of South and East bdrs. and Part of the Subdivision lines of T. 21 S., R. 16 E. and of the ~~SURVEY~~ <sup>SURVEY</sup> of Parts of the East and North boundaries and Part (completion) of the Subdivision lines of Township 21 South, Range 16 East of the Gila and Salt River Base and Meridian, in the State of Arizona

executed by Dupree R. Averill, U.S. Surveyor and Roger F. Wilson, U.S. Transitman

under the special instructions dated November 14, 1924 for Group 133, Arizona, 1924, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the ~~resurveys~~ <sup>resurveys</sup> and surveys they describe, are hereby approved.

Roger F. Wilson  
U.S. Supervisor of Surveys.

~~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~~