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BOOK 3517

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4-679

Book "A"

FIELD NOTES

OF THE RETRACEMENT OF

part of the Subdivision lines of

Fractional
Township 40 North, Range 16 West,

AND OF THE SURVEY OF

the Tenth Standard Parallel North through Range 16 West,

and part (completion) of the Subdivision lines of

Fractional Township 40 North, Range 16 West,

Of the Gila and Salt River Base and Meridian,

In the State of Arizona

EXECUTED BY

Joseph P. Davis, U. S. Cadastral Engineer,

and

Claude F. Warner, U. S. Transitman,

In the capacity of U. S. Surveyors, under instructions dated Sept. 29, 1920, issued by the United States Surveyor General to govern surveys included in Group No. 112, Arizona, which were approved by the Commissioner of the General Land Office, November 10, 1920, and Assignment Instructions dated December 15, 1920.

Retracement & Survey commenced January 3, 1921

Retracement & Survey completed January 11, 1921

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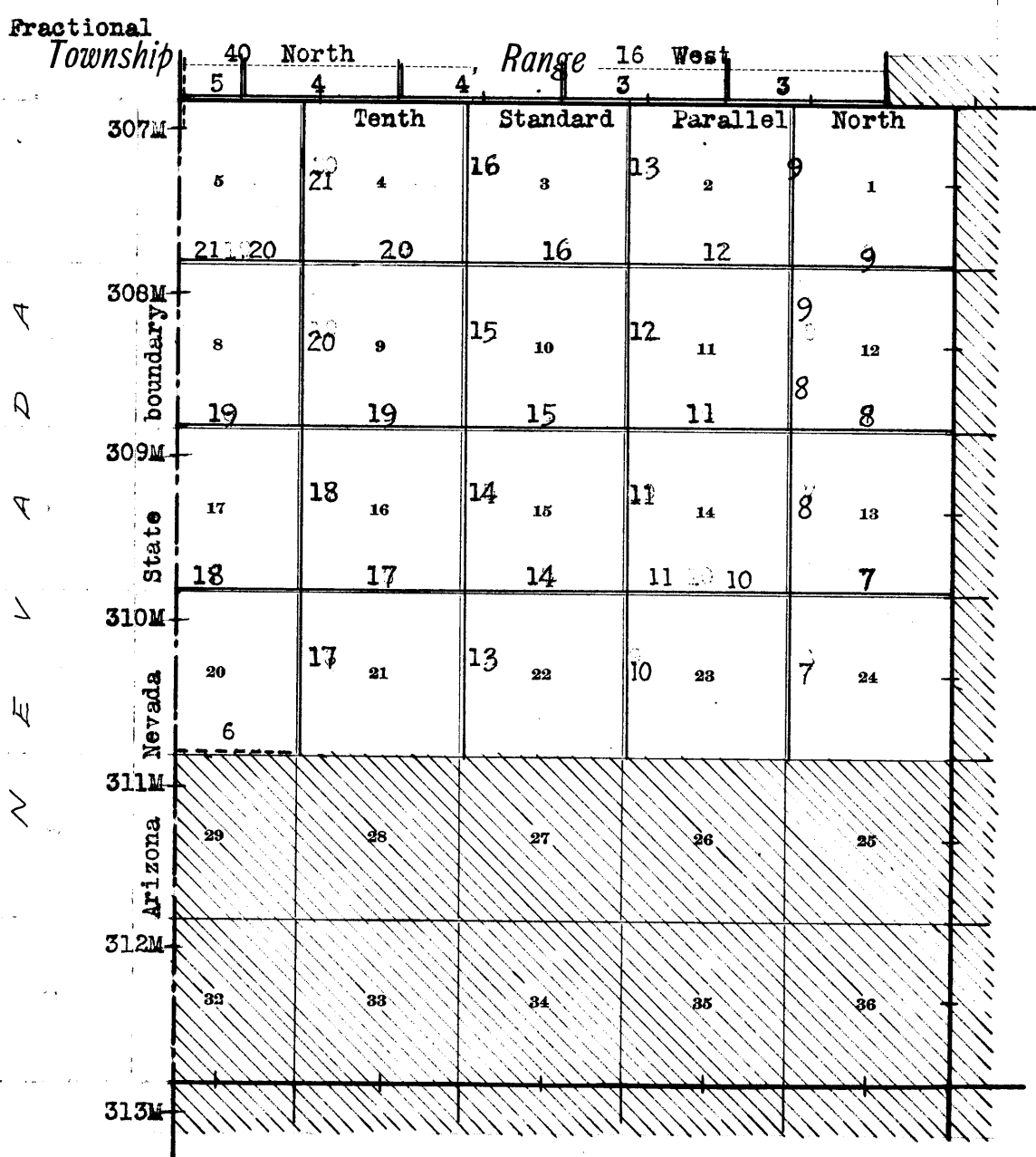
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BOOK 3517

INDEX DIAGRAM.



- Lines surveyed under this Group.
- Lines retraced under this Group.
- Accepted surveys.
- Areas surveyed as per accepted plats on file.

BOOK 3517

Date Diagram

Fractional Township 40 North, Range 16 West.

		Tenth Standard Parallel North					
		1-10-21	1-8-21	1-8-21	1-8-21	1-8-21	1-5-21
307M	See Book 5	5	4	3	2	1	
		1-10-21	1-8-21	1-7-21	1-7-21	1-5-21	
308M	boundary	8	9	10	11	12	
		1-10-21	1-6-21	1-5-21	1-4-21	1-3-21	
309M	State	17	16	15	14	13	
		1-6-21	1-6-21	1-6-21	1-6-21	1-3-21	
310M	Nevada	20	21	22	23	24	
		1-11-21	1-6-21	1-5-21	1-4-21	1-3-21	
311M	Arizona	29	28	27	26	25	
312M		32	33	34	35	36	

On the above diagram:-

black lines indicate surveys, and dotted black lines retracements, executed by Joseph F. Davis, U.S. Cadastral Engineer.

and red lines indicate surveys, and dotted red lines retracements, executed by Claude F. Warner, U.S. Transitman, on dates shown thereon,

and brown lines indicate accepted surveys.

Retracements and surveys hereinafter described executed by Joseph P. Davis, U. S. Cadastral Engineer and Claude F. Warner, U. S. Transitman, on dates shown on diagram on page 1 hereof, using respectively Buff light mountain transit No. 10125 and Young and Sons light mountain transit No. 8532. These instruments are equipped with Smith solar attachments and full vertical circles, reading by vernier to single minutes of arc, which is also the least count of the vernier of the lat. and decl. arcs. These instruments were approved for field work, conditional upon satisfactory field tests, by the Assistant Supervisor of Surveys for Arizona and California, Dec. 15, 1920.

Unless otherwise specified, all measurements are made with a Lufkin steel tape, 5 chs. in length, compared with a Chesterman standard steel tape and found correct. The measurements are made on the slope, the vertical angles determined and the slope measurements properly reduced to true horizontal distances.

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

Dec. 31, 1920. At our camp, near the center of the NE. $\frac{1}{4}$ of sec. 26, T. 40 N., R. 16 W., G. and S. R. B. and M., in lat. $36^{\circ}50\frac{1}{2}'$ N., long. $113^{\circ}59'$ W., at 0 h. 52 m., a.m., l.m.t., we observe Polaris at western elongation, in accordance with the Manual of Instructions, and mark a point in the line thus determined by a tack in a stake, driven firmly in the ground, 5 chs. N. of our station.

Jan. 1, 1921. At 8 hrs. 0 m., a.m., l.m.t., we lay off the azimuth of Polaris, $1^{\circ}23\frac{1}{2}'$ to the east, and mark the true meridian thus determined by a tack in a stake, driven firmly in the ground, 5 chs. N. of our station.

At 9 hrs. 0 m., a.m., l.m.t., we set off $36^{\circ}50\frac{1}{2}'$ N. on the lat. arcs; $22^{\circ}58'$ S. on the decl. arcs, and determine a meridian with the solar, which in each case agrees with the true meridian.

At apparent noon, with the lat. arcs unchanged, we observe the sun on the meridian with each transit; the resulting decl. with each instrument is $22^{\circ}58\frac{1}{2}'$ S., which is the computed decl. of the sun.

At 3 hrs. 0 m., p.m., l.m.t., with the lat. arcs unchanged, we set off $22^{\circ}57'$ S. on the decl. arcs, and determine a meridian with each solar, which in each case agrees with the true meridian.

As all of the solar observations during the usual hours of solar work come within $1'30''$ of the true meridian, we conclude that the adjustments of the solar are satisfactory.

Survey of 10th Standard Parallel North thru Range 16 West. 31

Chains.

The original standard cor. of T.41N., R.15W. and Frac. T.41N., R.16 W., established by Thomas B. Matthews, U.S.S., in November, 1912, is an iron post, 3 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap, witnessed by pits, E., W. and N., and mound of earth N. of post. No bearing trees.

Thence West on S. bdy. of sec. 36, using the solar method for determining a true parallel of latitude.

Over rolling land, thru. scattering undergrowth.

4.70 Wash, course S. 60° E.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground, for standard 1/4 sec. cor. of sec. 36, marked on brass cap,

S C
1/4 S 36
1921

Raise a mound of stone, 3 ft. base, 3 ft. high, N. of cor. Ascend slight E. slope.

60.00 Ascend 70 ft., over gradual slope.

80.00 Set an iron post 3 ft. long, 3 ins. in diam., 18 ins. in the ground, and 8 ins. in a mound of stone, for standard cor. of secs. 35 and 36, marked on brass cap,

S C
T41N | R16 W
S35 | S36
1921

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

Soil, sandy and rocks, 3rd rate.

No timber.

Undergrowth, yucca, sage brush and greasewood.

West, on true line on S. bdy. of sec. 35.

Over rolling land, thru. scattering undergrowth.

Ascend 20 ft., over E. slope.

15.00 Ridge, brs. N. 10° W. and S. 10° E. Descend 125 ft., over W. slope.

38.00 Main wash, course S. 10° E. Ascend slightly over E. slope.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground, for standard 1/4 sec. cor. of sec. 35, marked on brass cap,

S C
1/4 S 35
1921

And raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor. Continue gradual ascent, over E. slope.

50.00 Ascend 130 ft.

73.00 Ridge, brs. N. 10° W. and S. 10° E. Descend 55 ft., over W. slope.

80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 20 ins. in the ground, for standard cor. of secs. 34 and 35, marked on brass cap,

S C
T41N | R16 W
S34 | S35
1921

Raise a mound of stone 3 ft. base, 3 ft. high, N. of cor. Land, rolling.

Soil, rocky and sandy, 4th rate.

No timber.

Undergrowth, yucca, greasewood and sagebrush.

A 10th Standard Parallel North, through Range 16 West.

Chains.

- West, on true line on S. bdy. of sec. 34.
 Over rolling land, thru. scattering undergrowth.
 Descend 35 ft., over W. slope.
- 9.00 Wash, course S. 10° E. Ascend 45 ft.
 9.60 Read, brs. N. to Sullivan's and S. to Mesquite, Nevada.
 20.00 Ridge, brs. N. 20° W. and S. 20° E. Descend 25 ft., over W. slope.
 29.00 Wash, course S. 30° E. Ascend 15 ft.
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 12 ins. in the
 ground, and 14 ins. in a mound of stone, for standard $\frac{1}{4}$
 sec. cor. of sec. 34, marked on brass cap,

S O
 $\frac{1}{4}$ S 34

1921

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

- Ascend 10 ft., over E. slope.
- 49.95 Ridge, brs. N. and S. Descend 40 ft.
 51.00 Wash, course S. Ascend 40 ft., over E. slope.
 75.00 Ridge, brs. N. and S. Descend 35 ft., over W. slope.
 80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 12 ins. in the
 ground, and 14 ins. in a mound of stone, for standard
 cor. of secs. 33 and 34, marked on brass cap,

S C
 T41N R10W
 S33 S34

1921

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

Land, rolling.
 Soil, sandy and rocky, 3rd rate.
 No timber.
 Undergrowth, yucca, sagebrush and greasewood.

- West, on true line, on S. bdy. of sec. 33.
 Over rolling land, thru. scattering undergrowth.
 Descend 60 ft., over W. slope.
- 9.00 Canyon, course S. 30° W. Ascend 45 ft.
 11.20 Descend 40 ft., over W. slope.
 20.00 Wash, course S. 10° W. Ascend 50 ft., over E. slope.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the
 ground, and 12 ins. in a mound of stone, for standard
 $\frac{1}{4}$ sec. cor. of sec. 33, marked on brass cap,

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

1921

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

- Ascend 25 ft., over E. slope.
- 44.10 Descend 25 ft., over W. slope.
 46.00 Ascend 75 ft., over E. slope.
 80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 26 ins. in
 the ground, for standard cor. of sec. 33, and frac. 1. sec.
 32, marked on brass cap,

S C
 T41N R10W
 S32 S33

1921

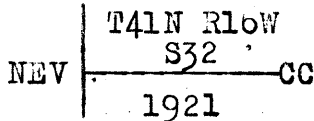
And raise a mound of stone, 3 ft. base, 3 ft. high, N. of
 cor.

Chains.

Land, rolling.
Soil, sand and rocks, 3rd rate.
No timber.
Undergrowth, yucca, sagebrush and greasewood.

5.00
27.65

West, on true line, on S. bdy. of fracl. sec. 32.
Over rolling land, thru. scattering undergrowth.
Descend 10 ft., over W. slope.
Ascend 70 ft., over E. slope.
Intersect the Arizona-Nevada State line, 12.65 chs. N. 0° 23'
W. from the 307 mile mon., reestablished by Thomas B. Matthews, U.S.S. in Jan. 1913; which is a limestone 12x8x10 ins. above ground; properly marked, firmly set and witnessed by pits E. and W. and mound of earth, N. of cor.
At the point of intersection, set an iron post, 3 ft. long, 3 ins. in diam., 20 ins. in the ground, for standard closing cor. of fracl. T. 41 N., R. 16 W., marked on brass cap,



And raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor.
Land, rolling.
Soil, sand and rocks, 3rd rate.
No timber.
Undergrowth, sage brush, yucca and greasewood.

That portion of the State Boundary between Arizona and Nevada forming the West bdy. of fracl. Ts. 39, 40, 41 and 42 N., R. 16 W., originally surveyed in the fall of 1870 by Isaac E. James, Astronomer and Surveyor, was resurveyed in January, 1913, by Thomas B. Matthews, U.S. Surveyor. No subsequent retracement or resurvey of this line is of record. A retracement of the line from the 307 mile monument to the Arizona-Utah cor., executed in connection with the survey of Group No. 112, is described in Books "B" and "C" of this group.

6 Retracement of part of Subdivision lines of fracl. T. 40 N., R. 10 W.

Chains.

The survey of the Subdivision lines of the S. two tiers of secs. of this township was executed by Thomas B. Matthews, U.S.S. in January 1913, and no subsequent retracement or resurvey of any part of same is of record.

The original cor. of secs. 21 and 28, and fracl. secs. 20 and 29, is an iron post 2 ins. in diam., projecting 12 ins. above ground, properly marked on brass cap, firmly set, and witnessed by a mound of stone W. of post. No bearing trees.

Thence,

West, on random line, bet. fracl. secs. 20 and 29 (E. $\frac{1}{2}$).

Over rolling land, thru. scattering undergrowth.

Ascend 60 ft., over E. slope.

19.60 Descend 45 ft., over W. slope.

24.50 Ascend 15 ft., over E. slope.

25.60 Descend 50 ft., over W. slope.

40.15 Intersect the original $\frac{1}{4}$ sec. cor. of fracl. secs. 20 and 29, which is an iron post, 1 in. in diam., projecting 10 ins. above ground, firmly set, properly marked on brass cap, and witnessed by a mound of stone, N. of post. No bearing trees.

The true course and dist. of E. $\frac{1}{2}$ of line, bet. fracl. secs. 20 and 29, are therefore West, 40.15 chs.

Thence,

West, on random line, bet. fracl. secs. 20 and 29, (W. $\frac{1}{2}$).

Over rolling land, thru. scattering undergrowth.

Ascend 35 ft., over E. slope.

20.89 Intersect the original closing cor. of fracl. secs. 20 and 29, on the Arizona-Nevada State Boundary, which is an iron post, 2 ins. in diam., projecting 12 ins. above ground, properly marked on brass cap, and witnessed by pits, N., S. and E., and a mound of earth E. of cor. No bearing trees.

The true course and distance of W. half of line, bet. fracl. secs. 20 and 29, are therefore West, 20.89 chs.

Land, rolling.

Soil, sandy, 3rd rate.

No timber.

Undergrowth, greasewood, yucca and sage brush.

Completion of survey of the
Subdivision lines of Tract, Township 40 North, Range 10 West.

Chains.

The following notes describe the survey of the N. four tiers of secs. of this township, and complete the survey of the Subdivision lines of this township. The original cor. of secs. 23, 24, 25 and 26 is an iron post, 2 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by a mound of stone, W. of post. No bearing trees.

Thence,
N. 0° 1' W., bet. secs. 23 and 24.
Over rolling land, thru. scattering undergrowth.
Descend 35 ft., over N. slope.
4.97 Canyon, course E. Ascend 125 ft., over S. slope.
14.53 Descend 75 ft., over N. slope.
24.42 Canyon, course E. Ascend 65 ft. over S. slope.
26.05 Descend gradual N. slope.
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

S23 | S24

1921

And raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor. Continue over rolling land.
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 13, 14, 23 and 24, marked on brass cap,

T40N | R10W

S14 | S13

S23 | S24

1921

And raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor. Land, rolling.
Soil, sandy and rocky, 3rd rate.
No timber.
Undergrowth, greasewood; sagebrush and yucca.

N. 89° 55' E., on a random line, bet. secs. 13 and 24.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.18 Fall 10 lks. S. of the original cor. of secs. 13, 18, 19 and 24, on the E. bdy. of Tp., established by Thomas B. Matthews, U. S. S. in November, 1912, which is an iron post, 3 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by pits NE., SE., SW. and NW., and a mound of earth W. of cor. No bearing trees.

Thence,
S. 89° 43' W., on a true line, bet. secs. 13 and 24.
Over rolling land, thru. scattering undergrowth.
1.80 Telephone line, brs. N. 10° E. to Littlefield and S. 10° W. to Mesquite, Nevada.
1.90 Road, brs. N. 10° E. to Littlefield and S. 10° W. to Mesquite, Nevada.
40.09 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

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

S 24

1921

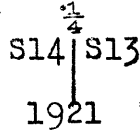
And raise a mound of stone, 3½ ft. base, 3 ft. high, N. of cor. The cor. of secs. 13, 14, 23 and 24.
80.18 Land, rolling.
Soil, sandy and rocky, 3rd rate.
No timber.
Undergrowth, greasewood, sagebrush and yucca.

Completion of Survey of

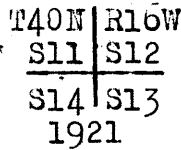
88 Subdivision of fracl. Township 40 North, Range 10 West.

Chains.

40.00 N.0°1' W., bet. secs.13 and 14.
Over rolling land, thru. scattering undergrowth.
Set an iron post, 3 ft.long, 1 in.in diam., 26 ins.in
the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap,



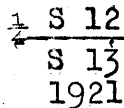
80.00 And raise a mound of stone, 3 ft. base, 3 ft.high, W.of
cor.
Set an iron post, 3 ft.long, 2 ins. in diam., 24 ins.in
the ground, for cor.of secs.11,12,13 and 14, marked
on brass cap,



and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft.high, W.of
cor.
Land, rolling.
Soil, sandy and rocky, 3rd rate.
No timber.
Undergrowth, sage brush, mesquite, greasewood and yucca.

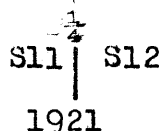
40.00 N.89°48'E., on a random line, bet. secs.12 and 13.
Set temp. $\frac{1}{4}$ sec.cor.
80.16 Fall 5 lks.S. of the original cor.of secs. 7,12,13 and 18,
on the E. bdy.of Tp., established by Thomas B. Matthews,
U.S.S. in November, 1912, which is an iron post 2 ins.
in diam., projecting 12 ins.above ground, firmly set,
properly marked on brass cap and witnessed by pits NE.,
SE., SW. and NW.of cor., and a mound of earth, W.of cor.
No bearing trees.

40.08 Thence,
S.89°46'W., on a true line, bet. secs.12 and 13.
Over rolling land, thru. scattering undergrowth.
Set an iron post, 3 ft.long, 1 in. in diam., 20 ins.in
the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap,



80.16 and raise a mound of stone, 2 ft.base, $1\frac{1}{2}$ ft.high, N.of
cor.
The cor.of secs.11,12,13 and 14.
Land, rolling.
Soil, sandy, 3rd rate.
No timber.
Undergrowth, greasewood, sage brush, mesquite and yucca.

14.95 N.0°1'W., bet.secs. 11 and 12.
Over rolling land, thru.scattering undergrowth.
Ascend 05 ft.
40.00 Thence over slightly rolling land.
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.in
the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap,



Completion of the survey of
 Subdivision lines of fracl. Township 40 North, Range 16 West. 9

Chains.	<p>And raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor.</p> <p>80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 20 ins. in the ground, for cor. of secs. 1, 2, 11 and 12, marked on brass cap,</p> <div style="text-align: center;"> <table border="1"> <tr> <td>T40N</td> <td>R16W</td> </tr> <tr> <td>S 2</td> <td>S 1</td> </tr> <tr> <td>S11</td> <td>S12</td> </tr> <tr> <td colspan="2">1921</td> </tr> </table> </div> <p>and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.</p> <p>Land, rolling and slightly rolling. Soil, sandy and rocky, 3rd rate, No timber. Undergrowth, greasewood, yucca, cactus and sagebrush.</p> <hr/> <p>40.00 N. 89°40' E., on a random line, bet. secs. 1 and 12. Set temp. ¼ sec. cor.</p> <p>80.18 Fall 7 lks. S. of the original cor. of secs. 1, 6, 7 and 12, on the E. bdy. of Tp., established by Thomas B. Matthews, U.S.S. in November, 1912, which is an iron post, 2 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by pits, NE., SE., SW. and NW. of cor., and a mound of earth W. of cor. No bearing trees.</p> <p>Thence, S. 89°43' W., on a true line, bet. secs. 1 and 12. Over slightly rolling land, thru. scattering undergrowth.</p> <p>40.09 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground, for ¼ sec. cor., marked on brass cap,</p> <div style="text-align: center;"> <table border="1"> <tr> <td>¼</td> <td>S 1</td> </tr> <tr> <td></td> <td>S 12</td> </tr> <tr> <td colspan="2">1921</td> </tr> </table> </div> <p>and raise a mound of stone, 3 ft. base, 3 ft. high, N. of cor.</p> <p>60.40 Wash, course S. 80° E.</p> <p>80.18 The cor. of secs. 1, 2, 11 and 12. Land, slightly rolling. Soil, sandy and rocky, 3rd rate. No timber. Undergrowth, yucca, greasewood, sagebrush and cactus.</p> <hr/> <p>2.10 N. 0°1' W., on a true line, bet. secs. 1 and 2. Over slight;y rolling land, thru. scattering undergrowth. Road brs. E. to Littlefield, and W. to Mesquite, Nevada,</p> <p>40.00 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground, for ¼ sec. cor., marked on brass cap,</p> <div style="text-align: center;"> <table border="1"> <tr> <td>¼</td> <td>S 2</td> <td>S 1</td> </tr> <tr> <td colspan="3">1921</td> </tr> </table> </div> <p>and raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor.</p> <p>80.40 Intersect 10th Standard Parallel North, 7.39 chs. W. of the standard ¼ sec. cor. of sec. 36, fracl. T. 41 N., R. 16 W., hereinbefore described. At the point of intersection, set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in the ground, and 8 ins. in a mound of stone for closing cor. of secs. 1 and 2, marked on brass cap,</p>	T40N	R16W	S 2	S 1	S11	S12	1921		¼	S 1		S 12	1921		¼	S 2	S 1	1921		
T40N	R16W																				
S 2	S 1																				
S11	S12																				
1921																					
¼	S 1																				
	S 12																				
1921																					
¼	S 2	S 1																			
1921																					

10 Completion of the Subdivision lines of fracl. Township 40 North, Range 16 West,

Chains.

T41N R16W
S36

S 2 | S 1
T40N R16W
C | C
1921

88.40 Raise a mound of stone, 3 ft. base, 3 1/2 ft. high, S. of cor. Land, slightly rolling. Soil, 3rd rate. No timber. Undergrowth, yucca, greasewood, sagebrush and cactus. -----
Mound of stone, for a corner of sec. 22 and 23.
The original corner of secs. 22, 23, 26 and 27 is an iron post, 2 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by a mound of stone, West of post. No bearing trees.
Thence,
N. 0° 1' W., bet. secs. 22 and 23.
Over rolling land, thru. scattering undergrowth.
Descend over N. slope.
1.50 Wash, course S. 75° E. Ascend 110 ft., over S. slope.
20.00 Ridge, brs. E. and W. Thence over slightly rolling land.
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground, and 14 ins. in a mound of stone, for 1/4 sec. cor., with brass cap, marked

S22 | S23

1921

62.00 And raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor.
80.00 Wash, course S. 10° E. Ascend gradually, 40 ft.
Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 14, 15, 22 and 23, marked on brass cap,

T40N R16W
S15 | S14

S22 | S23
1921

and raise a mound of stone, 3 1/2 ft. base, 3 ft. high, W. of cor.
Land, rolling and slightly rolling.
Soil, 3rd rate.
No timber.
Undergrowth, greasewood and sagebrush.
Scant, grass.

40.00 East, on a random line, bet. secs. 14 and 23.
80.04 Set temp. 1/4 sec. cor.
Intersect N. and S. line, 5 lks. N. of the cor. of secs. 13, 14, 23 and 24.
Thence,
N. 89° 58' W., on a true line, bet. secs. 14 and 23.
Over rolling land, thru. scattering undergrowth.
13.50 Wash, course S. 60° E.
27.19 Wash, course S. 70° E.
40.02 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap,

1/4 S 14

S 23
1921

and raise a mound of stone, 3 ft. base, 3 ft. high, N.

Completion of the
Subdivision lines of fract. Township 40 North, Range 16 West. 11

Chains.	of cor. Ascend gradual E. slope, 75 ft. 59.95 Spur, slopes S. Descend gradual W. slope, 75 ft. 80.04 The cor. of secs. 14, 15, 22 and 23. Land, rolling. Soil, sand and rocks, 3rd rate. No timber. Undergrowth, greasewood and sage brush.
24.96	N. 0° 1' W., bet. secs. 14 and 15. Over rolling land, thru. scattering undergrowth. Ascend gradual slope, 75 ft. Ridge, brs. S. 75° E., and N. 75° W. Thence over slightly rolling land.
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the ground, and 12 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap, <div style="text-align: center;"> $\frac{1}{4}$ S15 S14 1921 </div>
60.00	and raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor. Thence along W. slope.
80.00	Top of divide, brs. E. and W. Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 10, 11, 14 and 15, marked on brass cap, <div style="text-align: center;"> T40N R16W S10 S11 S15 S14 1921 </div>
40.00	and raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor. Land, rolling and slightly rolling, Soil, sandy and rocks, 3rd rate. No timber. Undergrowth, sage brush and greasewood.
79.98	S. 89° 58' E., on a random line, bet. secs. 11 and 14. Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line, 10 lks. N. of the cor. of secs. 11, 12, 13 and 14. Thence, N. 89° 51' W., on a true line, bet. secs. 11 and 14. Over rolling land, thru. scattering undergrowth. Descend 20 ft.
4.40	Ascend 70 ft.
14.00	Descend 35 ft.
20.00	Wash, course S. Ascend 70 ft.
35.00	Thence over slightly rolling land.
39.99	Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the ground, and 12 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap, <div style="text-align: center;"> $\frac{1}{4}$ S 11 S 14 1921 </div>
64.00	and raise a mound of stone, 3 $\frac{1}{2}$ ft. base, 3 ft. high, N. of cor. Descend 25 ft.
68.00	Wash, course course S. 30° E. Ascend 85 ft.
79.98	The cor. of secs. 10, 11, 14 and 15. Land, rolling and gently rolling.

Completion of the
 12 Survey of Subdivision of Fracl. Township 40 North, Range 10 West.

Chains.

Soil, sandy and rocky, 3rd rate.
 No timber.
 Undergrowth, yucca, greasewood and sage brush.

N.0°1' W., bet. secs. 10 and 11.
 Over rolling land, thru. scattering undergrowth.
 Descend 30 ft., over slight N. slope.
 Canyon, course E. Ascend 20 ft., over S. slope.
 Descend 35 ft.
 Wash, course S. 45° E. Thence over slightly rolling land.
 Road, brs. N.70° E. to Littlefield and S.70° W. to Mesquite,
 Nevada.

4.95
 6.65
 14.50
 19.30
 40.00

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

$\frac{1}{4}$
 S10 | S11
 1921

and raise a mound of stone, $3\frac{1}{2}$ ft. base, 3 ft. high, W.
 of cor.

Thence over level land.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in
 the ground, and 8 ins. in a mound of stone, for cor. of
 secs. 2, 3, 10 and 11, marked on brass cap,

T40N | R10W
 S 3 | S 2
 S10 | S11
 1921

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

Land, rolling, slightly rolling and level.

Soil, rocky and sandy, 4th rate.

No timber.

Undergrowth, yucca, sage brush and greasewood.

40.00 S. 89° 51' E., on a random line, bet. secs. 2 and 11.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.94 Intersect N. and S. line, 19 lks. S. of thd cor. of secs. 1,
 2, 11 and 12.

Thence,

N.89°59' W., on a true line, bet. secs. 2 and 11.
 Over rolling land, thru. scattering undergrowth. Ascend
 75 ft., over E. slope.

18.95 Road brs. NE. to Littlefield and SW. to Mesquite, Nevada.
 19.95 Ridge, brs. N. and S. Descend 45 ft., over W. slope.
 37.55 Wash, course S. 10° E. Ascend gradual E. slope.
 39.97 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 2
 S 11
 1921

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

79.94 Continue gradual ascent 90 ft.
 The cor. of secs. 2, 3, 10 and 11.
 Land, rolling.

Soil, sandy and rocky, 3rd rate.

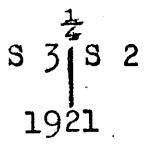
No timber.

Undergrowth, yucca, sagebrush and greasewood.

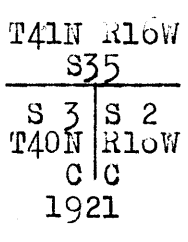
Completion of the survey of
Subdivision lines of fractional Township 40 North, Range 16 West. 13

Chains.

40.00 N.0° 1' W., on a true line, bet. secs. 2 and 3.
Over rolling land, thru. scattering undergrowth.
Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the ground, and 12 ins. in a mound of stone, for $\frac{1}{4}$ sec.cor., marked on brass cap,



80.42 and raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor. Continue over very slight NE. slope.
Intersect the 10th Standard Parallel North, 7.21 chs. west of the standard $\frac{1}{4}$ sec.cor. of sec. 35 fractional T. 41 N., R. 16 W., hereinbefore described.
At the point of intersection, set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground for closing cor. of secs. 2 and 3, marked on brass cap,



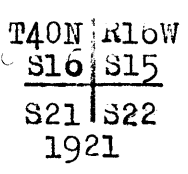
and raise a mound of stone, 3 ft. base, 3 ft. high, S. of cor.
Land, rolling and gently rolling.
Soil, sand, 3rd rate.
No timber.
Undergrowth, yucca, sage brush and greasewood.

The original cor. of secs. 21, 22, 27 and 28, is an iron post, 2 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by pits, NE., SE., SW. and NW., and mound of Earth, W. of cor. No bearing trees.

14.00 Thence,
26.00 N.0° 2' W., bet. secs. 21 and 22.
40.00 Over rolling land, thru. scattering undergrowth.
Ascend 55 ft. over SW. slope.
Thence along W. slope. over broken land.
Ascend 20 ft.
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,



58.00 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
Ascend 80 ft., over SW. slope.
63.90 Spur, slopes W. Descend 40 ft.
79.00 Head of wash, course W. Ascend 70 ft.
80.00 Descend 10 ft.
Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for cor. of secs. 15, 16, 21 and 22, marked on brass cap,



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

Completion of
14. Subdivision lines of fracl. Township 40 North, Range 10 West.

Chains.

Land, rolling and broken.
Soil, sandy, 2nd rate.
No timber.
Undergrowth, chaparral.
Scant grazing.

40.00 East, on a random line, bet. secs. 15 and 22.
80.02 Set temp. $\frac{1}{4}$ sec. cor.
Intersect N. and S. line, 7 lks. S. of the cor. of secs. 14, 15,
22 and 23.

Thence,
S. $89^{\circ}57'$ W., on a true line, bet. secs. 15 and 22.
Over rolling land, thru. scattering undergrowth.
11.90 Wasn, course S. 70° E. Ascend 45 ft., over slight E. slope.
29.40 Road, brs. N. to Littlefield and S. to Mesquite, Nevada.
34.96 Descend 105 ft., over W. slope.
39.85 Canyon, course S. Ascend.
40.01 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in
the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 15
S 22
1921

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

53.80 Continue ascent, 65 ft. over W. slope.
74.97 Road brs. N. to Littlefield and S. to Mesquite, Nevada.
80.02 Spur, slopes S. Descend 125 ft., over W. slope.
The cor. of secs. 15, 16, 21 and 22.

Land, rolling.
Soil, sandy and rocky, 4th rate.
No timber.
Undergrowth, yucca and sage brush.

3.70 N. $0^{\circ}2'$ W., bet. secs. 15 and 16.
5.70 Over broken land; thru. scattering undergrowth.
36.40 Ascend 50 ft., over broken W. slope.
40.00 Spur, slopes W. Descend.
Head of draw, course W. Ascend 60 ft.
Spur, slopes W. Descend 20 ft.
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,

$\frac{1}{4}$
S16 | S15
1921

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

44.80 Ascend 10 ft.
51.00 Spur, W. Descend 95 ft.
64.00 Head of draw, course SW. Ascend 95 ft.
70.00 Spur, slopes W. Descend 55 ft.
80.00 Ascend 50 ft.
Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in
the ground, for cor. of secs. 9, 10, 15 and 16, marked
on brass cap,

T40N | R16W
S 9 | S10
S16 | S15
1921

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

Land, broken.
Soil, sandy loam, 2nd rate.

Completion of
Subdivision lines of frac'l. Township 40 North, Range 16 W. 15

Chains.

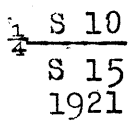
No timber.
Undergrowth, chaparral.
No grass.

40.00
80.06

N. 89° 57' E., on a random line, bet. secs. 10 and 15.
Set temp. $\frac{1}{4}$ sec. cor.
Intersect N. and S. line, 9 lks. S. of the cor. of secs. 10, 11, 14 and 15.

10.05
40.03

Thence,
S. 89° 53' W., on a true line, bet. secs. 10 and 15.
Over rolling land, thru. scattering undergrowth.
Ascend gradual E. slope, 140 ft.
Road brs. N. to Littlefield and S. to Mesquite, Nevada.
Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground, supported in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,



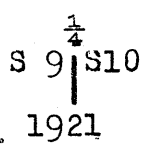
and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

41.50
58.65
68.35
78.65
80.06

Descend 80 ft., over W. slope.
Leave rolling, and enter broken land, brs. N. and S.
Draw, course S. Ascend 85 ft., over E. slope.
Leave broken and enter rolling land, brs. N. and S. Continue ascent.
Top of ascent, brs. N. and S. Descend 55 ft.
The cor. of secs. 9, 10, 15 and 16.
Land, rolling, and broken.
Soil, sandy loam, 2nd rate.
No timber.
Undergrowth, chaparral.

2.60
7.00
16.90
40.00

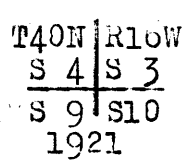
N. 0° 2' W., bet. secs. 9 and 10.
Over broken land, thru. scattering undergrowth.
Ascend 45 ft., over broken W. slope.
Descend 25 ft., over broken W. slope.
Ascend 00 ft., over W. slope.
Top of rim, brs. N. 10° W. and S. 10° E. Thence over level land, 1 ch. S. of rim.
Set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in the ground, supported in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,



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

43.10
52.90
55.00
79.10
80.00

Rim, brs. N. 30° E. and S. 30° W. Descend 50 ft., over NW. slope.
Head of wash, course W. Ascend 15 ft.
Descend 105 ft.
Ascend 10 ft.
Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 3, 4, 9 and 10, marked on brass cap,



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

Land, level and broken.

16 Completion of the Subdivision lines of fracl. Township 40 North, Range 16 West.

Chains.

Soil, sand, 3rd rate.
No timber.
Undergrowth, yucca, sagebrush and greasewood.

40.00 N. 89° 53' E., on a random line, bet. secs. 3 and 10.
Set temp. $\frac{1}{4}$ sec. cor.
80.16 Intersect N. and S. line, 16 lks. N. of the cor. of secs. 2, 3, 10 and 11.
Thence,
West, on true line, bet. secs. 3 and 10.
Over slightly rolling land, thru. scattering undergrowth.
Ascend 30 ft., over E. slope.
20.00 Thence over slightly rolling land, scattering undergrowth.
29.48 Road brs. N. into Utah and S. to Mesquite, Nevada.
29.80 Ridge, brs. N. and S. Descend 65 ft., over W. slope.
40.08 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 3
S 10
1921

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

Descend 20 ft.
46.40 Canyon, course S. Ascend 65 ft., over E. slope.
72.60 Rim, brs. NE. and SW. Descend 105 ft., over steep W. slope.
80.16 The cor. of secs. 3, 4, 9 and 10.
Land, rolling and slightly rolling.
Soil, sandy, 3rd rate.
No timber.
Undergrowth, yucca, sagebrush and greasewood.

10.00 N. 0° 2' W., on true line, bet. secs. 3 and 4.
Over broken land, thru. scattering undergrowth.
Descend 40 ft., over broken W. slope.
40.00 Thence over rolling land.
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 4 S 3
1921

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

Ascend 110 ft., over SW. slope.
48.30 Rim brs. N. 20° W. and S. 20° E. Thence over level land.
80.45 Intersect 10th Standard Parallel North, 7.44 chs. W. of the standard $\frac{1}{4}$ sec. cor. of sec. 34, fracl. T. 41 N., R. 16 W., hereinbefore described.
At the point of intersection,
Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for closing cor. of secs. 3 and 4, marked on brass cap,

T41N R16W
S34
S 4 S 3
T40N R16W
C C
1921

and raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.
Land, level, rolling and broken.
Soil, sandy, 3rd rate.

Completion of the
Subdivision lines of fracl. Township 40 North, Range 16 West.

Chains.

No timber.
Undergrowth, greasewood, yucca and sagebrush.

The original cor. of secs. 21 and 28, and fracl. secs. 20 and 29, is an iron post 2 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by a mound of stone, W. of post. No bearing trees.

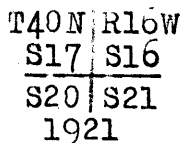
Thence,
N. 0° 3' W., bet. sec. 21 and fracl. sec. 20.
Over broken land, thru. scattering undergrowth.
Descend gradually.

6.50 Head of draw, course E.
20.00 Draw, course SE.
40.00 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,



Dig pits, 18x13x12 ins., N. and S. of post, 3 ft. dist.
Ascend 25 ft.

48.50 Descend 65 ft., over N. slope.
65.00 Draw, course E. Ascend 35 ft., over S. slope.
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 20 ins. in the ground, for cor. of secs. 16 and 21 and fracl. secs. 17 and 20, marked on brass cap,



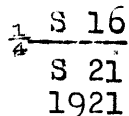
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Land, broken.
Soil, sandy, 3rd rate.
No timber,
Undergrowth, chaparral.

40.00 S. 89° 51' E., on a random line, bet. secs. 16 and 21.
80.00 Set temp. $\frac{1}{4}$ sec. cor.
Intersect N. and S. line, 21 lks. N. of the cor. of secs. 15, 16, 21 and 22.

Thence,
N. 89° 42' W., on a true line, bet. secs. 16 and 21.
Over broken land, thru. scattering undergrowth.
Ascend 75 ft., over E. slope.

8.55 Descend 90 ft., over W. slope.
21.96 Wash, 10 lks. wide, course S. Ascend E. slope, 25 ft.
26.85 Descend 105 ft. over W. slope.
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,



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

Descend over W. slope.
45.00 Wash, course S. 60° E. Ascend 75 ft., over E. slope.
80.00 The cor. of secs. 16 and 21, and fracl. secs. 17 and 20.
Land, broken.

18. Completion of the Subdivision lines of fracl. Township 40 North, Range 16 West.

Chains.

Soil, sandy and rocky, 3rd rate.
No timber.
Undergrowth, yucca, greasewood and sagebrush.

24.96
29.95
40.00

West, on a true line, bet. fracl. secs. 17 and 20.
Over rolling land, thru. scattering undergrowth.
Ascend 55 ft., over E. slope.
Descend 15 ft., over W. slope.
Wash, course S. Ascend 30 ft.
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 17
S 20
1921

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

62.10

Ascend 115 ft., over E. slope.
Intersect the Arizona-Nevada State line, 13.40 chs. N. 0° 10' W. of the 310 mile monument, reestablished by Thomas B. Matthews, U.S.S. in January 1913, which is a limestone 11x18x10 ins. above ground, firmly set, properly marked, and witnessed by pits E. and W., and mound of earth, N. of cor. No bearing trees.

At the point of intersection,
Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for closing cor. of fracl. secs. 17 and 20, marked on brass cap,

	T40N R16W	
NEV	S17	CC
	S20	
	1921	

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

Land, rolling.
Soil, sandy loam, 3rd rate.
No timber.
Undergrowth, chaparral.

40.00

From cor. of secs. 16 and 21, and fracl. secs. 17 and 20, N. 0° 3' W., bet. sec. 16, and fracl. sec. 17.
Over broken land, thru. scattering low undergrowth.
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,

S17 $\frac{1}{4}$ S16
1921

41.00
69.50
80.00

Dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist.
Draw, course SW.
Draw, course E.
Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for cor. of secs. 9 and 16, and fracl. secs. 8 and 17 marked on brass cap,

T40N	R16E
S 8	S 9
S17	S16
1921	

Dig pits, 18x18x12 ins., in each sec: NE., SE., SW. and NW. of post, 3 ft. dist.

Completion of survey of
 Subdivision lines of fracl. Township 40 North, Range 16 West. 19

Chains.

Land, rolling.
 Soil, sandy loam, 3rd rate.
 No timber.
 Undergrowth, chaparral.

40.00 S. 89°42'E., on a random line, bet. secs. 9 and 16.
 80.02 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line, 7 lks. S. of the cor. of secs. 9, 10,
 15 and 16.
 Thence,
 N. 89°45'W., on a true line, bet. secs. 9 and 16.
 Over rolling and broken land, thru. scattering undergrowth.
 Descend 155 ft., over gradual W. slope.
 27.00 Draw, course S. Ascend gradual E. slope.
 40.01 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 9
 S 16
 1921

Dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist.
 Ascend 20 ft., over gradual E. slope.
 50.50 Descend over gradual W. slope.
 64.00 Draw, course S. Ascend gradually.
 80.02 The cor. of secs. 9 and 16, and fracl. secs. 8 and 17.
 Land, rolling and broken.
 Soil, sandy loam, 3rd rate.
 No timber.
 Undergrowth, chaparral.

10.00 West, on a true line, bet. fracl. secs. 8 and 17.
 Over rolling land, thru. scattering undergrowth.
 Leave rolling, and enter broken land, brs. N. and S. Continue
 ascent 130 ft., over E. slope.
 36.00 Ridge, brs. N. and S. Descend 40 ft., over W. slope.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 8
 S 17
 1921

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of
 cor.
 45.00 Continue descent, 30 ft., over W. slope.
 Ascend 40 ft., over E. slope.
 62.01 Intersect Arizona-Nevada State Line, 12.60 chs. N. 0°5'W.
 of the 309 mile monument, reestablished by Thomas B.
 Matthews, U.S.S. in January, 1913, which is a limestone
 12x14x12 ins. above ground, firmly set, properly marked
 and witnessed by pits E. and W., and mound of earth, N.
 of cor. No bearing trees.
 At the point of intersection, Set an iron post, 3 ft. long,
 2 ins. in diam., 26 ins. in the ground, for closing cor.
 of fracl. secs. 8 and 17, marked on brass cap,

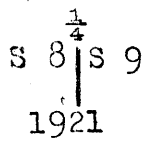
T40N R16W
 S 8
 S 17
 1921
 NEV ——— CC

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, E. of
 cor.
 Land, rolling and broken.
 Soil, sandy, 3rd rate.
 No timber. Undergrowth, chaparral and sage brush.

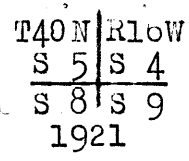
20 Completion of survey of
 Subdivision lines of fract. Township 40 North, Range 16 West.

Chains.

24.00 From cor. of secs. 9 and 10, and fract. secs. 8 and 17,
 N. 0° 3' W., bet. sec. 9, and fract. sec. 8.
 Over rolling land, thru. scattering undergrowth.
 40.00 Draw, course SE.
 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,

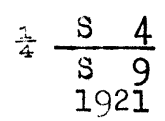


89.00 Dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist.
 Ascend gradual slope, 45 ft.
 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in
 the ground, for cor. of secs. 4 and 9, and fract. secs. 5
 and 8, marked on brass cap,



Dig pits, 18x18x12 ins., in each sec., NE., SE., SW. and
 NW. of post, 3 ft. dist.
 Land, rolling.
 Soil, sandy, 3rd rate.
 No timber.
 Undergrowth, greasewood, sagebrush and yucca.

40.00 S. 89° 45' E., on a random line, bet. secs. 4 and 9.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.16 Intersect N. and S line, 9 lks. S. of the cor. of secs. 3, 4,
 9 and 10.
 Thence,
 N. 89° 49' W., on a true line, bet. secs. 4 and 9.
 Over rolling and broken land, thru. scattering undergrowth.
 Descend 70 ft., over W. slope.
 13.45 Draw, course SW. Thence over rolling land; ascend.
 20.16 Spur, slopes S. Descend 30 ft., over W. slope.
 24.65 Draw, course S. Ascend 50 ft., over E. slope.
 40.00 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,



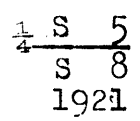
62.45 Dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist.
 Continue ascent, 55 ft., over E. slope.
 74.15 Descend 30 ft., over W. slope.
 80.16 Draw, course S. Ascend 10 ft., over E. slope.
 The cor. of secs. 4 and 9, and fract. secs. 5 and 8.
 Land, rolling and broken.
 Soil, sandy, 3rd rate.
 No timber.
 Undergrowth, sagebrush and chaparral.

28.00 West, on a true line, bet. fract. secs. 5 and 8.
 Over rolling land, thru. scattering undergrowth.
 Ascend gradual E. slope.
 40.00 Top of ascent, brs. N. and S. Descend gradually, over W.
 slope.
 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

BOOK 217

Completion of
Subdivision lines of fracl. Township 40 North, Range 16 West.

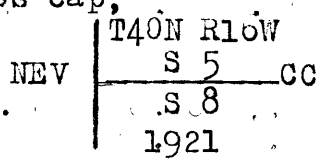
Chains.



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

01.49 Intersect Arizona-Nevada State Line, 12.62 chs. N. 1°13'E. of the 308 mile monument reestablished by Thomas B. Matthews, U.S.S. in January, 1913. which is a limestone, 12x10x14 ins. above ground, firmly set, properly marked, and witnessed by pits E. and W., and a mound of earth, N. of cor. No bearing trees.

At the point of intersection, Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for closing cor. of fracl. secs. 5 and 8, marked on brass cap,

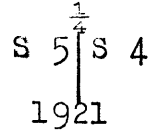


and raise a mound of stone 2 ft. base, 1½ ft. high, E. of cor.

Land, rolling.
Soil, sandy, 2nd rate.
No timber.
Undergrowth, sagebrush and chaparral.

From cor. of secs. 4 and 9, and fracl. secs. 5 and 8, N. 0°3'W., on true line, bet. sec. 4, and fracl. sec. 5. Over rolling land, thru scattering undergrowth.

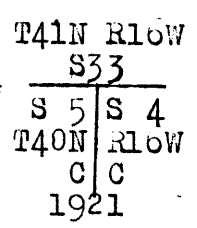
25.00 Leave rolling, thence over level land.
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap,



and raise a mound of stone, 4 ft. base, 4 ft. high, W. of cor.

Ascend slight S. slope.
60.00 Descend slight N. slope, 40 ft.
75.00 Ascend slight S. slope, 35 ft.
80.28 Intersect the 10th Standard Parallel North, 7.46 chs. W. of the standard ¼ sec. cor. of sec. 33, Frac. T. 41 N., R. 16 W., hereinbefore described.

At the point of intersection, Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in the ground, 20 ins. in a mound of stone, for closing cor. of sec. 4, and fracl. sec. 5, marked on brass cap,



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

Land, rolling and level.
Soil, rocky, 3rd rate.
No timber.
Undergrowth, yucca, sagebrush and greasewood.

Boundaries of that portion of fractional Township 40
North, Range 10 West, surveyed under this Group.

Latitudes, Departures, and Closing Errors.

Line designated.	True course.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
Subdivisional boundary,	S. 89° 55' W.	80.09		.12		80.09
	West,	80.00				80.00
	West,	80.00				80.00
	N. 89° 51' W.	80.02	.21			80.02
	West,	61.04				61.04
West boundary, (Arizona-Nevada State Line)	N. 0° 40' W.	66.64	66.64			.78
	N. 0° 10' W.	80.80	80.80			.23
	N. 0° 5' W.	80.23	80.23			.12
	N. 1° 13' E.	80.46	80.44		1.71	
	N. 0° 23' W.	12.65	12.65			.08
North boundary, (10th Std. Par. N.)	East,	380.33			380.33	
East boundary,	South,	320.00		320.00		
Convergency,					.29	
Totals,			320.97	320.12	382.33	382.36
			320.12			382.33
	Error in latitude,		0.85			
	Error in departure,					0.03

The continued satisfactory adjustment of the solar apparatus during the survey of this fractional township is indicated from field tests as described in Book "B."

GENERAL DESCRIPTION.

This fractional township consists of rolling and broken land, covered with a scattering stand of desert undergrowth. There are no settlers in the township, nor has any water been developed. One main road traverses the township north and south, from Mesquite, Nevada, to some point in Utah. A branch of this road runs from the southeast quarter of sec. 10, northeasterly to Littlefield, Arizona. A telephone line, Littlefield to Mesquite, crosses sec. 24. The main drainage of the township is to the south.

The surface is rolling and broken, consisting of sand and rocks, and some 3rd rate sandy loam soil. Greasewood, sage brush, yucca and chaparral constitute the vegetation. There are no indications of mineral.

4-680

ECCC 1817

FIELD ASSISTANTS.

to Claude F. Warner, U. S. Transitman

NAMES.	CAPACITY.
Gilbert N. Hunter,	1st chainman,
John Jensen,	2nd chainman,
George Strosser,	cornerman,
Robert Barnum,	axeman,
Charles Barnum,	flagman.

CERTIFICATE OF UNITED STATES TRANSITMAN.

I, Claude F. Warner, U. S. Transitman, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 112, Arizona, bearing date of the 29th day of September, 1920, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the Tenth Standard Parallel North through Range 16 West, and the Subdivision lines of

Fractional Township 40 North, Range 16 West,

of the Gila and Salt River

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

the foregoing field notes, and by diagram on page 1 hereof as having been executed by me, and under my direction; and that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General, for Group 112, Arizona

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

Place Helena Mont

Claude F. Warner

Date Jan 19, 1922

U. S. Transitman

APPROVAL

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

, 191

The foregoing field notes of the survey of

executed by

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

U. S. Surveyor General.

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

U. S. Surveyor General.

CERTIFICATE OF UNITED STATES CADASTRAL ENGINEER.

BOOK 3517

I, Joseph P. Davis, U.S. Cadastral Engineer hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 112, Arizona, bearing date of the 29th day of September, 1920, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, retraced and surveyed all those parts or portions of the Subdivision lines of

FRACTIONAL TOWNSHIP 40 NORTH, RANGE 16 WEST,

of the Gila and Salt

River Base and Meridian, in the State of Arizona, and by diagram on page 1 hereof the foregoing field notes as having been executed by me, and under my direction; and that all the corners of retracement and said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for Group 112, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such retracement and survey.

Place Boris, Idaho
Date January 16, 1922

Joseph P. Davis
U.S. Cadastral Engineer.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, January 25, 1922.

The foregoing field notes of the survey of the Tenth Standard Parallel North, thru. Range 16 West, and of the Retracement and survey of part (completion) of the Subdivision lines of

FRACTIONAL TOWNSHIP 40 NORTH, RANGE 16 WEST,

of the Gila and Salt River Base and Meridian, in the State of Arizona,

executed by Joseph P. Davis, U.S. Cadastral Engineer, and Claude F. Warner, U.S. Transitman, under his special instructions dated Sept. 29, 1920, for Group 112, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank D. Smith
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.