

4-678  
(April 1933)

BOOK 4171

Book A.

# FIELD NOTES

OF THE SURVEY OF A

Portion of the subdivision-of-section

and

the establishment of the boundary, block and lot corners

and street center lines of the

Townsite of Clay Springs

in section 11,

Township 11 North, Range 19 East,

Of the Gila and Salt River Meridian,

In the State of Arizona

### EXECUTED BY

Theodore Vander Meer, Transitman;

Roger F. Wilson, Surveyor,

and

F. Wayne Forrest, Public Land Surveyor,  
General Land Office

Under special instructions dated May 11, <sup>May 18,</sup> 1928 and <sup>^</sup> 1937, which provided for the surveys included under Group No. 153, bearing the approval of the Commissioner of the General Land Office under date of June 28, 1928 and <sup>v</sup> June 3, 1937, and assignment instructions dated October 12, 1935 and <sup>v</sup> July 14, 1937.

Survey commenced October 21, 1935.

Survey completed August 5, 1937.

4171

4171

# INDEX DIAGRAM.

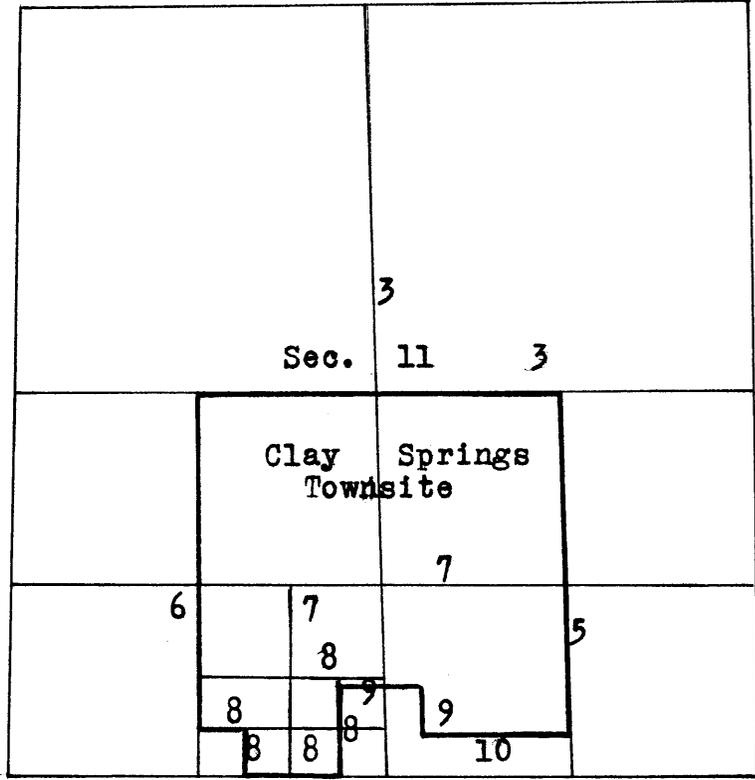
*Township* -----, *Range* -----

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

BOOK 4171

INDEX DIAGRAM  
 Clay Springs Townsite  
 Sec. 11

T. 11 N., R. 19 E.



	2	
Townsite boundary	page	10
Street center lines	"	12
Pipe line location	"	15

Survey commenced Oct. 21, 1935, by Theodore Vander Meer, Transitman, using Buff light mountain transit No. 9977 of 1915 model, property of the General Land Office, which was approved by the District Cadastral Engineer on October 12, 1935, conditional upon satisfactory field tests. The instrument was examined before beginning the survey, and found to be in satisfactory adjustment.

All lines were run by the transit method, using back and fore sights and deflection angles, the initial course being turned directly from the controlling meridian, which had been previously established by observation on Polaris as hereinafter described. The measurements were made with a Lallie steel tape, 5 chs. in length, graduated every link for the first 100 lks. and thereafter at intervals of 10 lks., or with a Lallie steel tape 100 feet in length, graduated in feet, tenths and hundreds, each tape having been tested by comparison with a standard and found correct. The measurements on the subdivision -of -section lines were made on the slope and, and the vertical angle of each interval ascertained by a clinometer in good adjustment. On the townsite survey, the tape was leveled where practicable, and where advisable to measure on the slope, the vertical angle was determined with the transit; the horizontal equivalents are entered in the field note record. A plumb bob was used by each chainman on the survey of the townsite.

The geographic position of the  $\frac{1}{4}$  sec. cor. of secs. 11 and 14, as taken from the Department of the Interior map of Arizona is: latitude  $34^{\circ}21.7'N.$  and longitude  $110^{\circ}17.3'W.$

The meridian used was established while engaged on surveys under current group 192 as follows:

Sept. 20, 1935, at camp near the  $\frac{1}{4}$  sec. cor. of secs. 11 and 14, at 7h 50m p.m., l.m.t., I observe Polaris at eastern elongation, making four sights, two each with the telescope in direct and reversed positions, and mark the line with a tack in a stake about 5 chs. N.

Sept. 21, after daybreak, I lay off the azimuth of Polaris,  $1^{\circ}15'49''$  to the west, and mark the meridian with a tack in a stake about 5 chs N.

At apparent noon, I make a set of four observations on the sun for latitude, two each with the telescope in direct and reversed positions, centering the sun bet. the stadia wires. The mean vertical angle is  $56^{\circ}30\frac{1}{4}'$ ; the reduced latitude :  $34^{\circ}21'26.5''$

The survey by Vander Meer was discontinued on Oct. 31, 1935.

The survey was resumed on July 26, 1937, by Roger F. Wilson, Surveyor, and F. Wayne Forrest, Public Land Surveyor, using Buff transit No. 23829 of 1935 model, and Buff transit No. 18002 of 1926 model, respectively, property of the General Land Office. The instruments were approved by the District Cadastral Engineer, on July 14, 1937, conditional upon satisfactory field tests. All of the instrumental adjustments were examined before beginning the survey.

All lines were run by the transit method, using back and fore sights and deflection angles, the initial course being turned directly from the controlling meridian, established by observation on Polaris as hereinafter described. All angles were measured by repetition. The measurements were made with steel tapes as described above, and with similar procedure.

July 26, 1937, at camp near the  $\frac{1}{4}$  sec. cor. of secs. 11 and 14, T. 11 N., R. 19 E., using transit No. 23829, we make an hour angle observation on Polaris E. of the meridian, making three sights each with the telescope in direct and reversed positions, repeating the deflection angles from a radio pole about 20 chs. dist., in the direction N-E to Polaris.

BOOK 471

Chains	Mean watch time of observation p.m. (watch time checked by radio signals)	7h 38.0m
	Watch fast of local mean time	21.2m
	Local mean time of observation	7h 16.8m
	Mean horizontal angle from Polaris to reference point	23°23'00"
	Azimuth of Polaris	35'12"
	True bearing of reference point	N.22°47'48"W.

From the above station, a tack point at the intersection of the center lines of 4th. and D streets, in Clay Springs Townsite, bears N.48°58'W. All bearings of the street lines are deflected from this bearing and checked by repetition.

-----  
Resurvey of the S.Bdy. of Sec.11, T.11 N., R.19 E.  
-----

The boundaries of sec. 11 were resurveyed by Theodore Vander Meer, Transitman, and Benjamin J. Mollette, Public Land Surveyor, in 1935, just prior to beginning this townsite survey, and are described in the field notes of the resurvey of T.11 N., R.19 E., now of official record.

-----  
Beginning at the cor. of secs. 11, 12, 13 and 14, T.11 N., R.19 E., which is an iron post, 2 ins. diam., firmly set, marked and witnessed as described in the official record,

N.89°34'W., on a true line bet. secs. 11 and 14.

- 19.665 True point for E. 1/16 sec. cor.; set temp. cor.
- 39.33 The  $\frac{1}{4}$  sec. cor., an iron post, 1 in. diam., firmly set, mkd. and witnessed as described in the official record.
- 44.246 Set an iron post, 3 ft. long, 2 ins. diam., 44 ins. in the ground, for townsite cor. and 1/256 sec. cor., with brass cap mkd.
- |       |  |      |
|-------|--|------|
| CS    |  |      |
| TS    |  | S 11 |
| <hr/> |  |      |
| S 14  |  |      |
| 1937  |  |      |
| 1935  |  |      |
- 48.66 Set an iron post, 3 ft. long, 2 ins. diam., 44 ins. in the ground, for center line cor. of intersection of 4th. and E Streets, on S. bdy. of the townsite, with brass cap mkd.
- |       |    |
|-------|----|
| CS    | TS |
| <hr/> |    |
| S 14  |    |
| 1937  |    |
- 49.162 Set temp. 1/64 sec. cor.
- 54.078 Set an iron post, 3 ft. long, 2 ins. diam., 44 ins. in the ground, for 1/256 sec. cor. and for townsite cor., with brass cap mkd.
- |       |  |    |
|-------|--|----|
| S 11  |  | CS |
| <hr/> |  |    |
| S 14  |  |    |
| 1937  |  |    |
| 1935  |  |    |
- 58.995 True point for W. 1/16 sec. cor.; set temp. cor.
- 78.66 The cor. of secs. 10, 11, 14 and 15, which is an iron post 2 ins. diam., firmly set, mkd. and witnessed as described in the official record.
-

## Subdivisional Survey in Sec. 11, T.11 N., R.19 E.

chains

From the  $\frac{1}{4}$  sec. cor. of secs. 11 and 14,

N.0°36'W., on N. and S. center line of sec. 11.

Desc. 5 ft. over N. slope of highway fill; over cleared land.

.15 Base of fill, bears E. and W.; over bottom land.

2.10 Side wash, 20 lks. wide, 6 ft. deep, near mouth, course NW.; over gentle SW. slope.

4.997 True point for 1/256 sec. cor.; set temp. cor.

6.00 Enter scattering juniper timber, bears SE. and NW.

9.60 Road, bears SE. and NW. across cor. of street intersection;  
9.995 **Set temp. 1/64th sec cor.**

15.00 Top of ascent; over gentle NW. slope.

19.99 True point for center south 1/16 sec. cor.; set temp. cor.

25.60 Road, bears NE. and SW. to 3d street.

26.40 Road, bears NE. and SW. to 3d street.

29.40 Road, bears NE. and SW. to 3d street; leave timber, bears NW. and SE.

30.37 Dry well, 6 ft. deep, on line.

37.60 Road, bears S.5°E. and N.5°W.

39.10 Road, bears E. and W.

39.98 Set an iron post, 3 ft. long, 2 ins. diam.,  $\frac{1}{4}$  ins. in the ground, for center  $\frac{1}{4}$  sec. cor., with brass cap mkd.
$$\begin{array}{c} \text{C} \quad \text{C} \frac{1}{4} \text{ S11} \quad \text{C} \\ \text{CSTS} \\ 1937 \\ 1935 \end{array}$$

from which

Cor. of fences bearing E. and N. bears N.87 $\frac{1}{2}$ °W., 50 ft. dist.

39.99 Wire fence, bears E. and W.; enter cultivated land.

50.00 Leave cultivated land, bears N.20°E. and S.20°W.; asc. gentle SE. slope.

55.00 Low spur, slopes N.30°E.; desc. gentle NW. slope.

59.60 Clay Springs wash, 60 lks. wide, 4 ft. deep, course N.20°E.; asc. gentle SE. slope.

60.00 Enter cultivated land, bears NE. and SW.

80.02 The  $\frac{1}{4}$  sec. cor. of secs. 2 and 11, which is an iron post, 1 in. diam., firmly set, mkd. and witnessed as described in the official record.

-----

From the  $\frac{1}{4}$  sec. cor. of secs. 11 and 12, which is an iron post, 1 in. diam., firmly set, marked and witnessed as described in the official record,

N.89°51'W., on E. and W. center line of sec. 11.

4.

E000 4171

## Subdivisional Survey in Sec. 11, T.11 N., R.19 E.

chains	
	Desc. 30 ft. over W. slope; thru scattering juniper and pine timber.
9.60	Road, bears NE. and SW.; leave timber, bears N. and S.
9.80	Corner of fences, bear W. and N.; continue along fence.
19.627	Set an iron post, 3 ft. long, 2 ins. diam., $\frac{1}{4}$ ins. in the ground, for center east $\frac{1}{16}$ sec. cor. and NE. cor. of the townsite, with brass cap mkd.
	$\begin{array}{c} \text{CE } \frac{1}{16} \\ \text{S } 11 \\ \text{C} \quad \text{---} \quad \text{C} \\ \text{CS }   \text{ S11} \\ \text{TS} \\ 1937 \\ 1935 \end{array}$
	Thence on townsite bdy., with continued measurement.
25.237	Set temp. cor., at intersection of alley center line.
29.90	Swale, drains N.15°E.; asc. gently.
30.237	Set an iron post, 3 ft. long, 2 ins. diam., $\frac{1}{4}$ ins. in the ground, for cor. at intersection of 2d street center line, with brass cap mkd.
	$\begin{array}{c} \text{S } 11 \\ \text{CS}   \text{ TS} \\ 1937 \\ 1935 \end{array} \quad \text{from which}$
	The brick chimney in center of Joe Holyoke's house bears N.71°W.
33.00	Spur, slopes N.; desc. gentle W. slope, over open valley land.
35.237	Set temp. cor. at intersection of alley center line.
39.255	The center $\frac{1}{4}$ sec. cor. of sec. 11, hereinbefore described.
40.02	Cor. of wire fences, bears E. and N.
40.15	Clay Springs wash, 25 lks. wide, 2 ft. deep, course N., from SW.
40.237	Set an iron post, 3 ft. long, 2 ins. diam., $\frac{1}{4}$ ins. in the ground, for cor. at intersection of 3d street center line, with brass cap mkd.
	$\begin{array}{c} \text{S } 11 \\ \text{CS}   \text{ TS} \\ 1937 \end{array} \quad \text{from which}$
	The same brick chimney in center of Joe Holyoke's house bears N.80 $\frac{1}{4}$ °E.
42.00	Road, bears N. and S.
43.00	Begin ascent of 20 ft. over E. slope.
44.00	Enter medium growth of juniper timber, bears N. and S.
45.237	Set temp. cor. at intersection of alley center line.
49.40	Spur, slopes N.30°E.; desc. 25 ft. over NW. slope.

## Subdivisional Survey in Sec. 11, T.11 N., R.19 E.

Chains 50.240	Set an iron post, 3 ft. long, 2 ins. diam., 44 ins. in the ground, for cor. at intersection of 4th Street center line, with brass cap mkd.  $\begin{array}{c} \text{S 11} \\ \hline \text{CS   TS} \\ 1937 \\ 1935 \end{array}$
55.241	Set temp. cor. at intersection of alley center line.
55.90	Wire fence, bears N. and S.
58.131	Set an iron post, 3 ft. long, 2 ins. diam., 44 ins. in the ground, for center west 1/16th sec. cor. and for the NW. cor. of the townsite, with brass cap mkd.  $\begin{array}{c} \text{CW } \frac{1}{16} \text{ S11} \\ \hline \text{C} \quad \text{CS} \\ \text{S11} \quad   \quad \text{TS} \\ 1937 \\ 1935 \end{array}$
59.60	Dry wash, 15 lks. wide, 4 ft. deep, course NE.; over gentle E. slope.
65.40	Low spur, slopes N.; desc. 15 ft. over W. slope.
71.50	Enter cultivated land, bears NE. and SW.
76.60	Road; bears S.70°E. and N.70°W.
77.008	The $\frac{1}{4}$ sec. cor. of secs. 10 and 11, an iron post, 1 in. diam., firmly set, and mkd. on brass cap and witnessed as described in the official record.
-----	
	From the true point for E. 16th sec. cor. bet. secs. 11 and 14,  $\checkmark$ N.0°39'W., on N. and S. center line of SE. $\frac{1}{4}$ of sec. 11.
4.51	Set an iron post, 3 ft. long, 2 ins. diam., 42 ins. in the ground, for SE. cor. of the townsite, with brass cap mkd.  $\begin{array}{c} \text{CS} \\ \hline \text{TS} \quad   \quad \text{S11} \\ \hline \text{S11} \\ 1937 \\ 1935 \end{array}$
	Thence along E. bdy. of townsite, with continued measurement,
10.019	Set an iron post, 3 ft. long, 2 ins. diam., 44 ins. in the ground, for 1/64th sec. cor. at intersection of center line of D Street, with brass cap mkd.  $\begin{array}{c} \text{CS} \\ \hline \text{TS} \quad   \quad \text{S11} \\ 1937 \\ 1935 \end{array}$
15.029	Set temp. cor. at intersection of alley center line.

Subdivisional Survey in Sec. 11, T.11 N., R.19 E.

Chains	
v 20.039	Set an iron post, 3 ft. long, 2 ins. diam., 44 ins. in the ground, for SE. 1/16th sec. cor., at intersection of center line of C Street, with brass cap mkd.
	$\begin{array}{c} \text{SE } 1/16 \\ \text{CS} \text{ --- }   \text{ S11} \\ \text{TS} \text{ --- }   \\ 1937 \\ 1935 \end{array}$
25.048	True point for 1/256th sec. cor. at intersection of alley center line. Set temp. cor.
v 30.058	Set an iron post, 3 ft. long, 2 ins. diam., 44 ins. in the ground, for 1/64th sec. cor. at intersection of center line of B Street, with brass cap mkd.
	$\begin{array}{c} \text{CS} \text{ --- }   \text{ S11} \\ \text{TS} \text{ --- }   \\ 1937 \\ 1935 \end{array}$
35.068	True point for 1/256th sec. cor. at intersection of alley center line. Set temp. cor.
v 40.078	The center east 1/16th sec. cor. and NE: cor. of the townsite, hereinbefore described.
	<p style="text-align: center;">-----</p> <p>From the temp. W. 1/16th sec. cor. bet. secs. 11 and 14, N.0°32'E., on N. and S. center line of SW. 1/4 of sec. 11.</p>
4.985	Set an iron post, 3 ft. long, 2 ins. diam., 44 ins. in the ground, for 1/256th sec. cor. and cor. of the townsite, with brass cap mkd.
	$\begin{array}{c} \text{S11} \text{ --- }   \text{ CS} \\ \text{TS} \text{ --- }   \\ \text{S11} \\ 1937 \\ 1935 \end{array}$
9.267	Set an iron post, 3 ft. long, 2 ins. diam., 42 ins. in the ground, for intersection of D Street, with brass cap mkd.
	$\begin{array}{c} \text{S11} \text{ --- }   \text{ CS} \\ \text{TS} \text{ --- }   \\ 1937 \\ 1935 \end{array}$
9.97	Set temp. 1/64th sec. cor.
14.278	Set temp. cor. at intersection of alley center line.
19.288	Set an iron post, 3 ft. long, 2 ins. diam., 42 ins. in the ground, for intersection of C Street, with brass cap mkd.
	$\begin{array}{c} \text{S11} \text{ --- }   \text{ CS} \\ \text{TS} \text{ --- }   \\ 1937 \\ 1935 \end{array}$
19.940	Set an iron post, 3 ft. long, 2 ins. diam., 42 ins. in the ground, for SW. 1/16th sec. cor. of sec. 11, with brass cap mkd.

## Subdivisional Survey in Sec. 11, T.11 N., R.19 E.

Chains

SW		CS
1		TS
16		
S11		

1937  
1935

from which

A juniper, 6 ins. diam., bears N.19°42'W., 43 lks.  
dist., mkd. X BT.

24.299 Set temp. cor. at intersection of alley center line.

29.310 Set an iron post, 3 ft. long, 2 ins. diam., 42 ins. in the ground, for intersection of B Street, with brass cap mkd.

S11		CS
		TS

1937  
1935

34.321 Set temp. cor. at intersection of alley center line.

39.880 The center west 1/16th sec. cor. of sec. 11 and NW. cor. of the townsite, hereinbefore described.

-----

At true point for the S. 1/16th sec. cor. bet. secs. 11 and 12, from which the  $\frac{1}{4}$  sec. cor. of secs. 11 and 12 bears N.0°46'W., 20.09 chs. dist. and the cor. of secs. 11, 12, 13 and 14 bears S.0°46'E., 20.09 chs. dist., both cors. being iron posts, mkd. on brass cap and witnessed as described in the official record, set temp. S. 1/16th sec. cor. bet. secs. 11 and 12.

Thence,

✓ N.89°42'30"W., on E. and W. center line of SE.  $\frac{1}{4}$  of sec. 11.

✓ 19.646 The SE. 1/16th sec. cor. of sec. 11, hereinbefore described.

✓ 39.292 The temp. center south 1/16th sec. cor. of sec. 11, hereinbefore described.

Continuing on same bearing, with renewed measurement, on the E. and W. center line of SW.  $\frac{1}{4}$  of sec. 11.

✓ 9.637 Set temp. 1/64th sec. cor.

✓ 19.274 The SW. 1/16th sec. cor. of sec. 11, hereinbefore described.

✓ 38.548 Intersect the line bet. secs. 10 and 11 at a point 19,887 chs. N.1°37'E. of the cor. of secs. 10, 11, 14 and 15, and at 19,887 chs. S.1°37'W. of the  $\frac{1}{4}$  sec. cor. of secs. 10 and 11, both cors. being iron posts, mkd. on brass cap and witnessed as described in the official record.

-----

From the temp. 1/64th sec. cor. 9.832 chs. N.89°34'W. of the  $\frac{1}{4}$  sec. cor. of secs. 11 and 14,

✓ N.0°02'W., on N. and S. center line of SE.  $\frac{1}{4}$  SW.  $\frac{1}{4}$  sec. 11.

✓ 4.991 True point for 1/256th sec. cor. Set temp. cor.

Subdivisional Survey in Sec. 11, T.11 N., R.19 E.

Chains  
 9.982 True point for 1/64th sec. cor. Set temp. cor.

19.964 The temp. 1/64th sec. cor. on E.  $\frac{1}{2}$  of E. and W. center line of SW.  $\frac{1}{4}$  of sec. 11, hereinbefore described.

-----

From the temp. 1/64th sec. cor. 9.995 chs. N.0°36'W. of the  $\frac{1}{4}$  sec. cor. of secs. 11 and 14,  
 ✓ N.89°38'15" W., on E. and W. center line of the SE.  $\frac{1}{4}$  SW.  $\frac{1}{4}$  of sec. 11.

4.867 Set temp. 1/256th sec. cor.

✓ 9.735 The temp. 1/64th sec. cor. on center of SE.  $\frac{1}{2}$  SW.  $\frac{1}{2}$  sec. 11, hereinbefore described.

14.602 Set temp. 1/256th sec. cor.

19.470 The temp. 1/64th sec. cor. 9.97 chs. N.0°32'E. of the temp. W. 1/16th sec. cor. bet. secs. 11 and 14, hereinbefore described.

-----

From the 1/256th sec. cor. and townsite cor. 4.985 chs. N.0°32'E. of the temp. W. 1/16th sec. cor. bet. secs. 11 and 14, hereinbefore described,  
 † S.89°36'07"E., on E. and W. center line of SW.  $\frac{1}{4}$  SE.  $\frac{1}{4}$  SW.  $\frac{1}{4}$  of sec. 11.

3.925 Set temp. cor. at intersection of alley center line.

✓ 4.892 Set an iron post, 3 ft. long, 2 ins. diam., 42 ins. in the ground, for 1/256th sec. cor. and cor. of the townsite, at center of SW.  $\frac{1}{4}$  SE.  $\frac{1}{4}$  SW.  $\frac{1}{4}$  of sec. 11, with brass cap mkd.

CS

-----

TS

Sl1

1937

1935

from which

Temp. 1/256th sec. cor. bears N.0°15'E. 4.988 chs. dist.

Temp. 1/256th sec. cor. bears S.89°36'07"E., 4.891 chs. dist.

Thence,

S.0°15'W., on N. and S. center line of SW.  $\frac{1}{4}$  SE.  $\frac{1}{4}$  SW.  $\frac{1}{4}$  of sec. 11.

✓ 4.988 The 1/256th sec. cor. and cor. of the townsite, 54.078 chs. N.89°34'W. of the cor. of secs. 11,12,13 and 14, hereinbefore described.

-----

From the 1/256th sec. cor. and cor. of the townsite 44.246 chs. N.89°34'W. of the cor. of secs. 11,12,13 and 14,  
 N.0°19'W., on N. and S. center line of SE.  $\frac{1}{4}$  SE.  $\frac{1}{4}$  SW.  $\frac{1}{4}$  of

Subdivisional Survey in Sec. 11, T.11 N., R.19 E.

Chains

sec. 11, and along boundary of townsite.

4.994 Set temp. 1/256th sec. cor. at intersection of alley center line.

8.988 Set an iron post, 3 ft. long, 2 ins. diam., 44 ins. in the ground, for cor. of the townsite, with brass cap mkd.

CS TS

T11N  
R19E  
S11

1937

from which

A juniper, 6 ins. diam., bears S.3°37'W., 68.3 ft. dist., mkd. X BT.

9.548 Intersect the center line of D Street at a point .813 chs. N.89°20'E. of its intersection with the N. and S. alley center line of Block 11.

9.988 The temp. 1/256th sec. cor. at E. and W. center of E. 1/2 SE. 1/4 SW. 1/4 sec. 11, hereinbefore described.

From the townsite cor. 8.988 chs. N.0°19'W. of the cor. of townsite 44.246 chs. N.89°34'W. of the cor. of secs. 11, 12, 13 and 14, hereinbefore described,

S.89°38'15"E., on bdy. of townsite and paralleling section subdivision lines,

8.941 Set an iron post, 3 ft. long, 2 ins. diam., 44 ins. in the ground, for cor. of the townsite, with brass cap mkd.

CS TS

T11N  
R19E  
S11

1937

from which

A juniper, 26 ins. diam., bears S.83°32'W., 79.9 ft. dist., mkd. X BT.

Thence,

S.0°36'45'E.,

4.503 Set an iron post, 3 ft. long, 2 ins. diam., 44 ins. in the ground, for cor. of the townsite, with brass cap mkd.

CS  
TS

T11N R19E  
S11

1937

from which

A juniper, 8 ins. diam., bears N.42°07'W., 60.7 ft. dist., mkd. X BT.

## Subdivisional Survey in sec. 11, T.11 N., R.19 E.

## Chains

The SW. cor. of Hunt's house bears N.  $22\frac{3}{4}^{\circ}$  E., 66.14 ft. dist.

Thence,

S.  $89^{\circ}36'07''$  E.,

- ✓ 5.302 Set an iron post, 3 ft. long, 2 ins. diam., 42 ins. in the ground, for cor. of the townsite at intersection of center line of 2nd Street, with brass cap mkd.

CS | TS

S11

1937

from which

The SW. cor. of Don C. Jackson's house bears N.  $71^{\circ}$  E., 48.4 ft. dist.

- 10.304 Set temp. cor. at intersection of alley center line.

- 15.591 The SE. cor. of the townsite, set 4.51 chs. N.  $0^{\circ}39'$  W. of the true point for E. 1/16th sec. cor. bet. secs. 11 and 14, hereinbefore described.

## Feet

## TOWNSITE OF CLAY SPRINGS

The townsite of Clay Springs comprises the NW  $\frac{1}{4}$  SE  $\frac{1}{4}$ , NE  $\frac{1}{4}$  SW  $\frac{1}{4}$ , N  $\frac{1}{2}$  SW  $\frac{1}{4}$  SE  $\frac{1}{4}$ , N  $\frac{1}{2}$  SE  $\frac{1}{4}$  SW  $\frac{1}{4}$ , N  $\frac{1}{2}$  SE  $\frac{1}{4}$  SW  $\frac{1}{4}$  SE  $\frac{1}{4}$ , NE  $\frac{1}{4}$  SW  $\frac{1}{4}$  SW  $\frac{1}{4}$  SE  $\frac{1}{4}$ , W  $\frac{1}{2}$  SE  $\frac{1}{4}$  SE  $\frac{1}{4}$  SW  $\frac{1}{4}$ , E  $\frac{1}{2}$  SW  $\frac{1}{4}$  SE  $\frac{1}{4}$  SW  $\frac{1}{4}$  and NW  $\frac{1}{4}$  SW  $\frac{1}{4}$  SE  $\frac{1}{4}$  SW  $\frac{1}{4}$  of sec. 11, T.11 N., R.19 E., with additional strips 33.01 ft. wide along the S. side of Blocks 15 and 16, 55.81 ft. along the W. side of Block 15, and 66 ft. along the S. side of Lot 3 of Block 10 and of Lot 4 of Block 11.

From the center east 1/16th cor. of sec. 11 and NE. cor. of the townsite,

✓ N.  $89^{\circ}51'$  W., on E. and W. center line of sec. 11, and along N. bdy. of the townsite.

- 370.07 The temp. cor. at intersection of alley center line.

- 700.15 Cor. at intersection of center line of 2nd Street.

- 1030.22 The temp. cor. at intersection of alley center line.

- 1295.38 The center  $\frac{1}{4}$  sec. cor. of sec. 11.

- 1360.29 Cor. at intersection of center line of 3rd Street.

- 1690.37 The temp. cor. at intersection of alley center line.

- 2020.45 Cor. at intersection of center line of 4th Street.

- 2390.53 The temp. cor. at intersection of alley center line.

- ✓ 2541.28 The center west 1/16th sec. cor. of sec. 11, and NW. cor. of the townsite.

-----  
Thence,

✓ S.  $0^{\circ}32'$  W.,

## Townsite of Clay Springs

S. 10 E. 4171

Feet	
366.94	The temp. cor. at intersection of alley center line.
697.65	Cor. at intersection of center line of B Street.
1028.37	The temp. cor. at intersection of alley center line.
1316.06	The SW. 1/16th sec. cor. of sec. 11.
1359.08	Cor. at intersection of center line of C Street.
1689.79	The temp. cor. at intersection of alley center line.
2020.51	Cor. at intersection of center line of D Street.
2303.10	The 1/256th sec. cor. and corner of the townsite.
	-----
	Thence,
	S.89°36'07"E.,
259.06	The temp. cor. at intersection of alley center line.
322.84	The 1/256th sec. cor. and corner of the townsite.
	-----
	Thence,
	S.0°15'W.,
329.21	The 1/256th sec. cor. and corner of the townsite.
	-----
	Thence,
	S.89°34'E., on S. bdy. of sec. 11.
324.47	The temp. 1/64th sec. cor.
357.52	Cor. at intersection of center line of 4th Street.
648.94	The 1/256th sec. cor. and corner of the townsite.
	-----
	Thence,
	N.0°19'W.,
329.62	The 1/256th cor. at intersection of alley center line.
593.21	Corner of the townsite.
	-----
	Thence,
	S.89°38'15"E.,
	Temp. point
276.32	/ at intersection of center line of 3rd Street.
590.10	Corner of the townsite.
	-----

## Townsite of Clay Springs

Feet	
	Thence, S.0°36'45"E., 297.21 Corner of the townsite. -----
	Thence, S.89°36'07"E., 349.95 Cor. at intersection of center line of 2nd Street. 680.06 The temp. cor. at intersection of alley center line. 1029.00 The SE. cor. of the townsite. -----
	Thence, N.0°39'W., 363.65 The 1/64th sec. cor. at intersection of center line of D Street. 694.29 True point and temp. 1/256th sec. cor. at intersection of alley center line. 1024.93 The SE. 1/16th sec. cor. at intersection of center line of C Street. 1355.57 True point and temp. 1/256th sec. cor. at intersection of alley center line. 1686.21 The 1/64th sec. cor. at intersection of center line of B Street. 2016.85 True point and temp. 1/256th sec. cor. at intersection of alley center line. 2347.49 Center east 1/16th sec. cor. of sec. 11, and NE. cor. of the townsite, and place of beginning. -----
	From the intersection of the center line of 2nd Street with the S. bdy. of the townsite, N. 1° 10' W., along center line of 2nd Street. 351.05 Intersection of center line of D Street. 681.70 Intersection of alley center line. 1012.36 Intersection of center line of C Street. 1343.01 Intersection of alley center line. 1673.66 Intersection of center line of B Street. 2004.32 Intersection of alley center line. 2344.95 N. bdy. of the townsite. -----

## Townsite of Clay Springs

4171

Feet	
	From the intersection of the center line of 3rd Street with the S. bdy. of the townsite (not monumented), N.1°10'W., along center line of 3rd Street.
41.91	Intersection of center line of D Street.
✓ 372.58	Intersection of alley center line.
✓ 703.23	Intersection of center line of C Street.
✓ 1033.88	Intersection of alley center line.
✓ 1364.54	Intersection of center line of B Street.
✓ 1695.19	Intersection of alley center line.
✓ 2045.63	N. bdy. of the townsite.
	-----
	From the intersection of the center line of 4th Street with the S. bdy. of the townsite, N.0°02'W., along center line of 4th Street.
✓ 329.43	Intersection of alley center line.
✓ 624.59	Intersection of center line of D Street.
	Thence, Offsetting S.89°20'W., 95.37 ft. dist., along center line of D Street, with renewed measurement, N.1°10'W., along center line of 4th Street.
✓ 330.65	Intersection of alley center line.
✓ 661.31	Intersection of center line of C Street.
✓ 991.96	Intersection of alley center line.
✓ 1322.61	Intersection of center line of B Street.
✓ 1653.26	Intersection of alley center line.
✓ 2012.71	N. bdy. of the townsite.
	-----
	From the intersection of the center line of B Street with the E. bdy. of the townsite, S.89°20'W., along center line of B Street.
✓ 364.02	Intersection of alley center line.
✓ 694.02	Intersection of center line of 2nd Street.
✓ 1024.02	Intersection of alley center line.
✓ 1354.02	Intersection of center line of 3rd Street.
✓ 1684.02	Intersection of alley center line.
✓ 2014.02	Intersection of center line of 4th Street.

## Townsite of Clay Springs

Feet	
✓ 2344.02	Intersection of alley center line.
✓ 2555.36	W. bdy. of the townsite.
-----	
From the intersection of the center line of C Street with the E. bdy. of the townsite,	
S.89°20'W., along center line of C Street.	
✓ 358.06	Intersection of alley center line.
✓ 688.06	Intersection of center line of 2nd Street.
✓ 1018.06	Intersection of alley center line.
✓ 1348.06	Intersection of center line of 3rd Street.
✓ 1678.06	Intersection of alley center line.
✓ 2008.06	Intersection of center line of 4th Street.
✓ 2338.06	Intersection of alley center line.
✓ 2569.02	W. bdy. of the townsite.
-----	
From the intersection of the center line of D Street with the E. bdy. of the townsite,	
S.89°20'W., along center line of D Street.	
✓ 352.10	Intersection of alley center line.
✓ 682.10	Intersection of center line of 2nd Street.
✓ 1012.10	Intersection of alley center line of Block 10. NW. cor. of Lot 1 of Block 15 bears S.0°36'45"E., 33 ft. dist.
✓ 1028.60	A cor. of the townsite bdy. bears S.0°36'45"E., 47.547 ft. dist.
✓ 1342.10	Intersection of center line of 3rd Street.
✓ 1618.41	A cor. of the townsite bdy. bears S.0°19'E., 36.95 ft. dist.
✓ 1672.10	Intersection of alley center line of Block 11.
✓ 1906.73	Intersection of 4th Street bet. Blocks 13 and 14.
✓ 2002.10	Intersection of 4th Street bet. Blocks 11 and 12.
✓ 2332.10	Intersection of alley center line.
✓ 2582.68	W. bdy. of the townsite.
-----	

Clay Springs Townsite  
Sec. 11, T.11 N., R.19 E.

BOOK 4171

## STREETS, BLOCKS and LOTS

Streets and alleys adjacent to the boundaries of the townsite are parallel to such boundaries except on the S. bdy. of Lot 3 of Block 10 and Lot 4 of Block 11. All interior streets are 66 ft. wide and all interior alleys are 33 ft. wide. The boundary streets: A, E, 1st and 5th streets are 33 ft. wide; a portion of D Street adjoining the bdy. of the townsite exceeds 66 ft. in width, as shown in notes of its center line. All alleys are 33 ft. wide excepting portions of alleys adjacent to the southern boundary, which are 16½ ft. wide.

The intersections of the center lines of all streets within the townsite are monumented with 2-inch iron posts, 3 ft. long, set vertically with top 8 to 10 ins. below the surface of the ground, with brass caps mkd. only with a cross (+) and year of setting. All intersections of street lines with the boundaries of the townsite are monumented with similar posts, mkd. on brass caps as hereinbefore described, with the exception of the south terminus of 3rd Street. The intersection of 3rd and D. Streets is monumented as an interior street intersection.

No alley center line intersections are monumented except the intersection of the the center line of the alley thru-Block 14 with the townsite boundary, which is monumented as hereinbefore shown.

All block corners are yellow pine posts, 4 ins. square by 24 ins. long, set 16 to 18 ins. in the ground, with a nail driven at the exact point; the Block and Lot numbers are marked with a scribe on the face inside the lot. All corners of each lot except block corners are yellow pine stakes, 2 ins. square by 16 ins. long, set 8 to 10 ins. in the ground, with a nail driven at the exact point, and with the lot and block numbers marked with keel on the face inside the lot.

-----

PIPE LINE

The Special Instructions for the survey of the Clay Springs townsite provide for a pipe line right-of-way northerly through the townsite, but no definite location was stated. Inquiry among the residents did not reveal any desired location or any interest of any kind.

It seems that there may have been only the one source of water at the time of the request for a pipe line right-of way, that being the spring near the ¼ sec. cor. of secs. 11 and 14. There are now several wells on the townsite, and apparently no remaining interest in a pipe line.

The following notes describe a traverse of the wash draining northerly from the original "Clay Springs", which was developed with concrete retainers, now broken and no longer in use.

-----

Beginning at point "A", from which the ¼ sec. cor. of secs. 11 and 14 bears S.13°14'E., 180.0 ft. dist., and from which the NW. corner of the concrete curbing of the spring bears S.7°10'E., 145.1 ft. dist., traverse as follows:

N.22°52'W., 50.0 ft. to mouth of wash from SE.  
120.0 " " small bend of creek to W.(on E.  
side of creek)

Clay Springs Townsite  
Sec. 11, T.11 N., R.19 E.

250.0 ft. to small bend of creek to E. (on W. side of creek).  
 299.5 " " point "B", thence  
 N.32°03'W., 100.0 ft. to a point 12 ft. E. of creek.  
 183.0 " " a foot bridge, 7 ft. high by 15 ft. long E. and W.  
 246.1 ft. to to point "C", 4 ft. W. of center of creek; thence from "C"  
 N.25°35'W., 229.5 ft. to point "D", thence  
 N.8°20'W., 220.0 ft. to: Leave creek to W.  
 248.0 ft. to point "E", on bank, 5 ft. W. of creek; thence, from "E"  
 N.13°09'E., 50.0 ft. A point 17 ft. W. of the creek.  
 120.0 ft. Cross to E. of creek.  
 150.0 ft. A point 15 ft. E. of the creek.  
 210.0 ft. Re-enter creek.  
 360.0 ft. Leave creek to E.  
 386.0 ft. to point "F", on E. bank, 6 ft. NE. of center of creek; thence, from "F"  
 N.74°30'W., 43.3 ft. to point "G", on SW. edge of creek; thence, from "G"  
 N.18°39'E., 240.0 ft. to point "H", thence  
 N.25°22'E., 189.2 ft. to point "J", thence  
 N.12°37'E., 100.0 ft. to point "K", 4 ft. E. of center of creek; thence, from "K"  
 N.35°12'E., 127.5 ft. to point "L", 4 ft. E. of center of creek, nearly dry at this point; thence, from "L"  
 N.2°00'E., 171.00 ft. to point "M", in center of creek; thence  
 N.49°30'W., 85.4 ft. to point "N", thence  
 N.11°55'E., 200.0 ft. to a point 10 ft. E. of creek.  
 300.0 ft. to point "O", 4 ft. W. of creek, which continues on same course for about 100 ft. further; thence, from "O"  
 N.79°40'E., 93.6 ft. to center  $\frac{1}{4}$  sec. cor. of sec. 11, hereinbefore described.

-----  
 School

The Clay Springs school is located on Lot 1 of Block 13, so located as to necessitate an offset in the alignment of 4th Street. It is a substantial building of adobe on a masonry foundation, 60 by 37 ft. in size, with a large concrete landing in front, of an estimated value of \$5000.

It is desired that Lots 1 and 3 of Block 13 be permanently reserved for school purposes.  
 -----

Clay Springs Townsite  
Sec. 11, T.11 N., R.19 E.

General Description

A graded and drained highway runs along E Street of the townsite, following the line bet. secs. 11 and 14. It connects easterly at a distance of about 18 miles each to the towns of Snowflake and Showlow, and at a distance of about 30 miles westerly reaches the town of Heber. Secondary roads reach every part of the townsite.

The townsite is situate a few miles on the Colorado River side of the divide bet. the Gila and Colorado rivers, and, due to the porous nature of the soil on most of that divide, water is scarce. The scarcity of water explains the residence of families near "Clay Springs" rather than on their nearby agricultural interests.

The townsite lies on gently rolling land, with slopes nowhere exceeding 5°. Clay Springs wash, a portion of which is shown traversed in the foregoing, runs northerly through the townsite in the center of an open valley of 5 to 10 chs. in width. The remainder of the townsite is covered with a moderately heavy growth of two varieties of juniper, with a scattering growth of oak and pinon and yellow pine timber. There is very little brush.

Soil is a heavy adobe gravel, partly cemented, except in the valley of Clay Springs wash, where it is adobe, with a varying, though small loam content. The adobe-gravel is unsuitable for agriculture, while the plain adobe is very difficult to work or travel over in wet weather. The most desirable lots in the townsite therefore, are those partly of each type of soil. Nearly all of the present residents have attempted to so locate, selecting their homesites in accordance with a preliminary rough survey made by the Forest Service.





4-680  
(Revised May 1934)

### FIELD ASSISTANTS

NAMES	CAPACITY
Clark Blevins	Principal Assistant.
Herbert Qualls	Chainman
Wesley B. Farley	Axman
Ray W. Hammack	"
A. C. Ferry	"
Paul Teeter, Jr.	"
Paschal Austin	Moundsman
John W. Henry	Flagman

114  
21 BOOK 411

CERTIFICATE OF [REDACTED] SURVEYOR

I, F. Wayne Forrest, Public Land Surveyor / **General Land Office,** HEREBY CERTIFY upon honor that, in  
pursuance of special instructions bearing date of the 11th day of May, 1928 and the  
18th day of May, 1937,  
received from the district cadastral engineer for Arizona, with assignment  
instructions dated July 14, 1937, I have surveyed a portion of the subdivision-  
of-section, and established boundary, block and lot corners, and street  
center lines of the Townsite of Clay Springs, in section 11, Township  
11 North, Range 19 East,  
of the G. & S. R. 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 said  
survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey  
of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Glendale, California

May 26, 1939.

*F. Wayne Forrest*

Public Land Surveyor

General Land Office.

~~CERTIFICATE OF APPROVAL~~

Office of U.S. Supervisor of Surveys,

\_\_\_\_\_, 19\_\_\_\_

The foregoing field notes of the survey of \_\_\_\_\_

executed by \_\_\_\_\_,

under special instructions dated \_\_\_\_\_,

instructions dated \_\_\_\_\_,

having been critically examined, and the necessary corrections made prior to their certification by the engineer, the said field notes, and the survey therein described, are hereby approved.

\_\_\_\_\_  
U.S. Supervisor of Surveys.

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_

\_\_\_\_\_, is a true copy of the original field notes on file in the public survey office.

\_\_\_\_\_  
U.S. Supervisor of Surveys.



116  
23  
BOOK 4171

CERTIFICATE OF SURVEYOR

General Land Office

I, Roger F. Wilson, Surveyor,

HEREBY CERTIFY upon honor that, in  
pursuance of special instructions bearing date of the 11th day of May, 1928, and the  
18th day of May, 1937,

received from the district cadastral engineer for Arizona, with assignment  
instructions dated July 14, 1937, I have surveyed a portion of the subdivision-  
of-section, and established boundary, block and lot corners, and street  
center lines of the Townsite of Clay Springs, in section 11, Township  
11 North, Range 19 East,

of the G. & S. R. 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 said  
survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey  
of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Glendale, California

May 26, 1939.

*Roger F. Wilson*

Surveyor,  
General Land Office.

CERTIFICATE OF APPROVAL

OFFICE OF SUPERVISOR OF SURVEYS,

Denver, Colorado, JUN 15 1939

The foregoing field notes of the survey of a portion of the subdivision-of-section,  
and establishment of boundary, block and lot corners, and street center  
lines of the Townsite of Clay Springs, in section 11, Township 11 North,  
Range 19 East, of the G. & S. R. Meridian, in the State of Arizona,

Theodore Vander Meer, Surveyor;  
executed by Roger F. Wilson, Surveyor, and F. Wayne Forrest, Public Land  
Surveyor, General Land Office,  
under special instructions dated May 11, 1928 & May 18, 1937, and assignment  
instructions dated October 12, 1935, and  
July 14, 1937, having been critically examined, and  
the necessary corrections made prior to their certification by the engineer, the said field notes, and the survey  
therein described, are hereby approved.

*Theodore Vander Meer*

Supervisor of Surveys.

~~CERTIFICATE OF TRANSCRIPT~~

~~I certify that the foregoing transcript of the field notes of the above described surveys in~~  
~~is a true copy of the original field notes on file in the public survey office.~~

~~Supervisor of Surveys.~~