

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE

SURVEY OF A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 29 NORTH, RANGE 21 WEST

Of the Gila and Salt River Meridian,

In the State of Arizona

EXECUTED BY

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Supervisor

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Under special instructions dated January 29, 1960, which provided
for the surveys included under Group No. 349, approved February 4, 1960
and assignment instructions dated March 10, 1960

Survey commenced April 5, 1960

Survey completed April 19, 1960

1A

BOOK 4609

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Township 29 North, Range 21 West

Chains

All exterior boundaries of T. 29 N., R. 20 W. of the Gila and Salt River Meridian have been previously surveyed. The west boundary and the south boundary, or Seventh Standard Parallel North, by Dupree R. Averill in 1930, and the east and north boundaries by Donald A. Harding in 1957. The following field notes are those of the survey of the eastern half of the subdivision of the township.

The survey was executed with W. & L. E. Gurley solar transit No. 541332, the property of the U. S. Bureau of Land Management and constructed in accordance with their standard specifications. The instrument was in good condition and prior to the beginning of the field work it was tested and found free from error. It was maintained in good adjustment throughout the survey. The direction of the lines of the survey were determined by reference to altitude observations on the sun or hour angle observations on Polaris, made on line during the field work. The lines were carried forward as transit lines and verified by succeeding observations. The measurements were made with Chicago steel ribbon tapes, eight chains in length. These tapes are graduated every link for the first chain and thereafter at intervals of ten links. The tapes were tested by comparison with a Lufkin standard steel tape, one chain in length and found to be correct. The measurements were made on the slope, the vertical angle of each interval determined by the use of clinometers or the transit, and the slope distances properly reduced to horizontal equivalents for use in these notes.

The geographic position of the southeast corner of the township is as follows: Latitude 35° 51' 03" N. and Longitude 114° 28' 40" W. The mean magnetic declination was found to be 15° East.

Survey of a Portion of the Subdivision of T. 29 N., R. 21 W.

Beginning at the standard cor. of secs. 35 and 36 on the S. bdy. of the Tp., mkd. by an iron post, 3 ins. diam., firmly set, properly mkd. and witnessed as described in the official record.

Thence

N. 0° 01' W., bet. secs. 35 and 36.

Over gently rolling land, through medium dense undergrowth; desc. along a gentle NW. slope of a flood plain.

4.80 Shallow wash, drains W.

8.00 Shallow wash, drains W.

37.70 Shallow wash, drains NW.

40.00 Point for the sec. cor. of secs. 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T29N R21W

½
S35 | S36
1960

Raise a mound of stone W. of the iron post.

46.90 Bladed road, bears N. 60° E. and S. 60° W.

Survey of a Portion of the Subdivision of T. 29 N., R. 21 W.

Chains	
51.90	Wash, drains NW.
80.00	Point for the cor. of secs. 25, 26, 35 and 36. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T29N R21W S26 S25 S35 S36 1960
	Raise a mound of stone W. of the iron post. Land, nearly level flood plain. Soil, gravelly clay loam. Timber, none. Undergrowth, sagebrush, greasewood, cactus, weeds and grass.
	Beginning from the cor. of secs. 25, 30, 31 and 36 on the E. bdy. of the Tp., mkd. by an iron post, 2½ ins. diam., firmly set, properly mkd. and witnessed as described in the official record.
	Thence S. 89° 59' W., bet. secs. 25 and 36. Over nearly level land, through medium dense undergrowth.
11.50	Road, bears N. 60° E. and S. 60° W.
39.99	Point for the ¼ sec. cor. of secs. 25 and 36. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T29N R21W ¼ S25 S36 1960
	Raise a mound of stone N. of the iron post.
79.98	The cor. of secs. 25, 26, 35 and 36. Land, nearly level desert. Soil, sandy to gravelly clay loam, Timber, none. Undergrowth, sagebrush, greasewood, yucca, cactus, weeds and grass.
	N. 0° 01' W., bet. secs. 25 and 26. Over gently rolling land, through medium dense undergrowth.
15.90	Wash, drains NW.
35.10	Wash, drains NW.
38.75	Wash, drains N. 60° W.
40.00	Point for the ¼ sec. cor. of secs. 25 and 26.

BOOK 4609

Survey of a Portion of the Subdivision of T. 29 N., R. 21 W.

Chains	
	<p>Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T29N R21W ½ S26 S25 1960</p>
47.10	Wash, drains NW.
54.75	Wash, drains N. 70° W.
67.70	Wash, drains N. 80° W.
78.00	Wash, drains N. 80° W.
80.00	<p>Point for the cor. of secs. 23, 24, 25 and 26.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground to solid rock, in a mound of stone, with brass cap mkd.</p> <p style="text-align: center;">T29N R21W S23 S24 S26 S25 1960</p> <p>Deposit broken glass at the base of the iron post.</p> <p>Land, nearly level desert. Soil, gravelly clay loam. Timber, none. Undergrowth, sagebrush, greasewood, yucca, cactus, weeds and grass.</p>
	<p>Begin from the cor. of secs. 19, 24, 25 and 30 on the E. bdy. of the Tp., mkd. by an iron post, 2½ ins. diam., firmly set, properly mkd. and witnessed as described in the official record.</p> <p>Thence</p> <p>S. 89° 59' W., bet, secs. 24 and 25.</p> <p>Over nearly level land, through medium dense undergrowth.</p>
16.45	Wash, drains N. 65° W.
31.80	Wash, drains N. 70° W.
33.20	Wash, drains N. 70° W.
39.99	<p>Point for the ¼ sec. cor. of secs. 24 and 25.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T29N R21W ½ S24 S25 1960</p> <p>Raise a mound of stone N. of the iron post.</p>
45.10	Wash, drains NW.
51.00	Wash, drains NW.
62.00	Wash, drains NW.

Survey of a Portion of the Subdivision of T. 29 N., R. 21 W.

Chains 79.98	<p>The cor. of secs. 23, 24, 25 and 26.</p> <p>Land, nearly level desert. Soil, gravelly clay loam. Timber, none. Undergrowth, sagebrush, greasewood, cactus, yucca, weeds and grass.</p>
	<p>N. 0° 01' W., bet. secs. 23 and 24.</p> <p>Over nearly level land, through medium dense undergrowth.</p>
5.60	Wash, drains NW.
11.70	Wash, drains NW.
20.70	Wash, drains NW.
31.50	Wash, drains W.
34.00	Wash, drains NW.
40.00	<p>Point for the 1 sec. cor. of secs. 23 and 24.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T29N R21W ½ S23 S24 1960</p>
	Raise a mound of stone W. of the iron post.
59.80	Wash, drains NW.
64.90	Wash, drains NW.
73.30	Wash, drains NW.
80.00	<p>Point for the cor. of secs. 13, 14, 23 and 24.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T29N R21W S14 S13 S23 S24 1960</p>
	Raise a mound of stone W. of the iron post.
	<p>Land, nearly level desert. Soil, gravelly clay loam. Timber, none. Undergrowth, sagebrush, greasewood, cactus, weeds and grass.</p>
	<p>Begin at the cor. of secs. 13, 18, 19 and 24, on the E. bdy. of the Tp., mkd. by an iron post, 2½ ins. diam., firmly set, properly mkd. and witnessed as described in the official record.</p> <p>Thence</p> <p>S. 89° 59' W., bet. secs. 13 and 24.</p>

Survey of a Portion of the Subdivision of T. 29 N., R. 21 W.

Chains	
14.60	Over rolling land, through medium dense undergrowth. Wash, drains NW.
39.98	Point for the $\frac{1}{4}$ sec. cor. of secs. 13 and 24. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd. T29N R21W $\frac{1}{4}$ S13 S24 1960
45.40	Wash, drains NW.
65.80	Wash, drains NW.
72.10	Wash, drains NW.
79.96	The cor. of secs. 13, 14, 23 and 24. Land, gently rolling desert. Soil, gravelly clay loam. Timber, none. Undergrowth, sagebrush, greasewood, cactus, weeds and grass.
7.20	N. 0° 01' W., bet. secs. 13 and 14. Over nearly level land, through medium dense undergrowth. Wash, drains NW.
13.75	Wash, drains NW.
18.00	Wash, drains NW.
31.50	Wash, drains NW.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 13 and 14. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd. T29N R21W $\frac{1}{4}$ S14 S13 1960
42.30	Raise a mound of stone W. of the iron post. Wash, drains NW.
44.97	Old road, bears N. 10° E. and S. 10° W.
45.00	Wash, drains NW.
48.10	Wash, drains NW.
64.30	Wash, drains NW.
80.00	Point for the cor. of secs. 11, 12, 13 and 14. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

Survey of a Portion of the Subdivision of T. 29 N., R. 21 E.

Chains

T29N R21W

S11 | S12

S14 | S13

1960

Raise a mound of stone W. of the iron post.

Land, rolling desert.

Soil, gravelly clay loam.

Timber, none.

Undergrowth, sagebrush, greasewood, yucca, cactus, weeds and grass.

From the cor. of secs. 7, 12, 13 and 18 on the E. bdy. of the Tp., mkd. by an iron post, 2 ins. diam., firmly set, properly mkd. and witnessed as described in the official record.

Thence

West, bet. secs. 12 and 13.

Over nearly level land, through medium dense undergrowth.

1.40 Shallow wash, drains NW.

9.20 Shallow wash, drains NW.

21.80 Shallow wash, drains NW.

23.50 Shallow wash, drains NW.

31.20 Shallow wash, drains NW.

39.99 ~~Point for the 1/4 sec. cor. of secs. 12 and 13.~~

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T29N R21W

1/4 S12S13

1960

Raise a mound of stone N. of the iron post.

43.80 Dim old road, bears N. 10° E. and S. 10° W.

54.20 Wash, 20 lks. wide, 3 ft. deep, drains N. 70° W.

74.40 Old road, bears N. 15° E. and S. 15° W.

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

Land, nearly level desert.

Soil, gravelly to rocky clay loam.

Timber, none.

Undergrowth, sagebrush, greasewood, cactus, weeds and grass.

N. 0° 01' W., bet. secs. 11 and 12.

Over nearly level land, through medium dense undergrowth.

25.05 Dim road, bears NW.

29.30 Shallow wash, drains NW.

Survey of a Portion of the Subdivision of T. 29 N., R. 21 W.

Chains

32.30 Wash, drains N. 75° W.

34.50 Wash, drains NW.

40.00 ~~Point for the ¼ sec. cor. of secs. 11 and 12.~~

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T29N R21W

$$\frac{1}{4} \begin{array}{|l} S11 \\ S12 \end{array}$$
 1960

Raise a mound of stone W. of the iron post.

76.30 Wash, drains NW.

80.00 ~~Point for the cor. of secs. 1, 2, 11 and 12.~~

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T29N R21W

$$\frac{S2 | S1}{S11 | S12}$$
 1960

Raise a mound of stone W. of the iron post.

Land, nearly level desert.

Soil, gravelly to rocky clay loam.

Timber, none.

Undergrowth, sagebrush, greasewood, yucca, cactus, weeds and grass.

Beginning From the cor. of secs. 1, 6, 7 and 12 on the E. bdy. of the Tp., mkd. by an iron post, 2½ ins. diam., firmly set, properly mkd. and witnessed as described in the official record.

Thence

West, bet. secs. 1 and 12.

Over rolling land, through medium dense undergrowth; desc. along NW. slope.

17.20 Edge of rolling land, bears N. and S., thence over nearly level land.

29.30 Old road, bears N. 10° E. and S. 10° W.

40.00 ~~Point for the ¼ sec. cor. of secs. 1 and 12.~~

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T29N R21W

$$\frac{1}{4} \begin{array}{|l} S1 \\ S12 \end{array}$$
 1960

Depoist broken glass at base of iron post.

Survey of a Portion of the Subdivision of T. 29 N., R. 21 W.

Chains	
63.55	Wash, drains NW.
66.40	Old road, bears N. 10° E. and S. 10° W.
67.00	Wash, drains NW.
77.60	Wash, drains NW.
80.00	The cor. of secs. 1, 2, 11 and 12. Land, rolling in the E.; nearly level in the W. Soil, gravelly to rocky clay loam. Timber, none. Undergrowth, sagebrush, greasewood, cactus, yucca, weeds and grass.
	N. 0° 04' W., bet. secs. 1 and 2. Over nearly level land, through medium dense undergrowth.
2.00	Branch Wash, drains NW.; cont. along the E. side of Detrital Wash over flood plain.
9.10	Wash from the SE., enters Detrital Wash, drains N.
18.25	Wash, drains NW. about 2 chs. to Detrital Wash.
20.00	E. bank of Detrital Wash, bears N. 10° E. and S. 10° W.
32.90	Old road, bears NW. and SE.
40.00	Point for the $\frac{1}{2}$ sec. cor. of secs. 1 and 2. Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground to solid rock, in a mound of stone, with brass cap mkd. T29N R21W S2 S1 1960 Deposit broken glass at the base of the iron post.
67.40	Draw, drains S. 30° W. into Detrital Wash.
79.99	The cor. of secs. 1, 2, 35 and 36 on the N. bdy. of the Tp., mkd. by an iron post, 2½ ins. diam., firmly set in the ground, properly mkd. and witnessed as described in the official record. Land, nearly level desert. Soil, sandy to gravelly clay loam. Timber, none. Undergrowth, sagebrush, greasewood, yucca, cactus, weeds and grass.
	From the standard cor. of secs. 34 and 35 on the S. bdy. of the Tp., mkd. by an iron post, 3 ins. diam., firmly set, properly mkd. and witnessed as described in the official record, and from which a windmill bears N. 25° 55' E., 13.20 chs. dist. Thence

Survey of a Portion of the Subdivision of T. 29 N., R. 21 W.

Chains

N. 0° 01' W., bet. secs. 34 and 35.

Over gently rolling land, through medium dense undergrowth.

8.85 Shallow wash, drains NE.; cont. along the W. side of the drainage area of Detrital Wash.

9.20 Bladed road, bears N. 60° E. and S. 60° W.

40.00 ~~Point for the ¼ sec. cor. of secs. 34 and 35.~~

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T29N R21W

¼
S34 S35
1960

Deposit broken glass at the base of the iron post.

80.00 ~~Point for the cor. of secs. 25, 26, 34 and 35.~~

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T29N R21W

S27 S26
S34 S35
1960

Raise a mound of stone W. of the iron post.

Land, gently rolling desert.

Soil, gravelly clay loam.

Timber, none.

Undergrowth, greasewood, sagebrush, cactus, weeds and grass.

~~From the cor. of secs. 25, 26, 35, and 36.~~

Thence

N. 89° 59' W., bet. secs. 26 and 35.

Over nearly level land, through medium dense undergrowth.

2.90 Shallow wash, drains N. 70° W.

22.60 Wash, drains N. 80° W. and old road, bears N. 10° E. and S. 10° W.

29.90 Wash, drains N. 75° W.

35.55 Wash, drains NW.

40.00 ~~Point for the ¼ sec. cor. of secs. 25 and 36.~~

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T29N R21W

¼
S26
S35
1960

Raise a mound of stone, N. of the iron post.

Survey of a Portion of the Subdivision of T. 29 N., R. 21 W.

Chains	
71.50	Main channel of Detrital Wash, drains N.
80.00	The cor. of secs. 26, 27, 34 and 35. Land, level desert. Soil, gravelly clay loam. Timber, none. Undergrowth, greasewood, sagebrush, cactus, weeds and grass.
	N. 0° 01' W., bet. secs. 26 and 27. Over nearly level land, through medium dense undergrowth, along the western edge of the drainage area of Detrital Wash.
32.90	Main channel of Detrital Wash, drains N. 20° W. and S. 20° E.
40.00	Point for the $\frac{1}{2}$ sec. cor. of secs. 26 and 27. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd. T29N R21W $\frac{1}{2}$ S27 S26 1960 Raise a mound of stone W. of the iron post.
72.40	Main channel of Detrital Wash, drains N. 30° E.
80.00	Point for the cor. of secs. 22, 23, 26 and 27. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd. T29N R21W S22 S23 S27 S26 1960 Deposit broken glass at base of iron post. Land, nearly level desert. Soil, gravelly clay loam. Timber, none. Undergrowth, greasewood, sagebrush, weeds, cactus and grass.
	Beginning at the cor. of secs. 23, 24, 25 and 36. Thence N. 89° 59' W., bet. secs. 23 and 26. Over gently rolling land, through medium dense undergrowth.
7.80	Shallow wash, drains NW.
13.20	Road, bears N. 10° E. and S. 10° W.

Survey of a Portion of the Subdivision of T. 29 N., R. 21 W.

Chains	
22.20	Wash, drains NW.
31.60	Wash, drains NW.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 23 and 26. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground to solid rock, in a mound of stone, with brass cap mkd. T29N R21W $\frac{1}{4}$ S23 S26 1960 Deposit broken glass at the base of the iron post.
44.25	Wash, drains NW.
49.20	Wash, drains NW.
53.50	Wash, drains NW.
76.50	Detrital Wash, drains NW. from SW..
80.00	The cor. of secs. 22, 23, 26 and 27. Land, nearly level desert. Soil, gravelly clay loam. Timber, none. Undergrowth, greasewood, sagebrush, cactus, weeds and grass.
8.70	N. 0° 01' W., bet. secs. 22 and 23. Over nearly level land, through medium dense undergrowth. Main channel of Detrital Wash, drains NW.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 22 and 23. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd. T29N R21W $\frac{1}{4}$ S22 S23 1960 Raise a mound of stone W. of the iron post.
47.00	Main channel of Detrital Wash, drains N. 30° E.
74.85	Shallow wash, drains E.
79.15	Shallow wash, drains E.
80.00	Point for the cor. of secs. 14, 15, 22 and 23. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground to solid rock, in a mound of stone, with brass cap mkd. T29S R21W S15 S14 S22 S23 1960 Deposit broken glass at base of iron post.

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Survey of a Portion of the Subdivision of T. 29 N., R. 21 W.

Chains

Land, nearly level desert.
Soil, gravelly clay loam.
Timber, none.
Undergrowth, greasewood, sagebrush, cactus, weeds and grass.

From the cor. of secs. 13, 14, 23, and 24, and 14.

Thence

N. 89° 57' W., bet. secs. 14 and 23.

Over nearly level land, through medium dense undergrowth.

- 3.40 Wash, drains NW.
- 6.60 Old road, bears N. 5° E. and S. 10° W.
- 8.70 Old road, bears NW. and SE.
- 20.65 Wash, drains N. 80° W.
- 35.85 Wash, drains N. 65° W.
- 40.01 Point for the $\frac{1}{4}$ sec. cor. of secs. 14 and 23.
- Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground to solid rock, in a mound of stone, with brass cap mkd.
- T29N R21W
S14
S23
1960
- 48.70 Wash, drains N. 60° W.
- 58.40 Eastern edge of Detrital Wash drainage.
- 73.20 Main channel of Detrital Wash, drains N. 20° E.
- 75.00 Western edge of Detrital Wash drainage.
- 80.02 The cor. of secs. 14, 15, 22 and 23.

Land, nearly level desert.
Soil, gravelly clay loam.
Timber, none.
Undergrowth, greasewood, sagebrush, cactus, weeds and grass.

N. 0° 01' W., bet. secs. 14 and 15.

Over nearly level land, through medium dense undergrowth.

- 4.95 Oiled road, bears N. 19° 15' E. to Temple Bar Resort and S. 18° 15' W. to U. S. Highway 93 and 466.
- 11.20 Wash, drains S. 70° E.
- 18.00 Wash, drains E.
- 27.60 Wash, drains E.
- 34.50 Wash, drains E.

Survey of a Portion of the Subdivision of T. 29 N., R. 21 W.

Chains 40.00	<p>Point for the $\frac{1}{4}$ sec. cor. of secs. 14 and 15.</p> <p>Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground to solid rock, in a mound of stone, with brass cap mkd.</p> <p style="text-align: center;">T29N R21W $\frac{1}{4}$ S15 S14 1960</p> <p>Deposit broken glass at the base of the iron post.</p>
42.50	Wash, drains N. 70° E.
46.70	Wash, drains E.
51.70	Wash, drains E.
61.40	Wash, drains E.
71.50	Wash, drains E.
78.70	Wash, drains E.
80.00	<p>Point for the cor. of secs. 10, 11, 14 and 15.</p> <p>Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground to solid rock, in a mound of stone, with brass cap mkd.</p> <p style="text-align: center;">T29N R21W S10 S11 S15 S14 1960</p> <p>Deposit broken glass at the base of the iron post.</p> <p>From the cor., the center of a water tank at the NW. cor. of the sodium evaporating pond enclosure, a rectangular area measuring 2.28 chs. east and west by 7.02 chs. north and south, surrounded by a barbed wire fence, bears N. 68°.33' E., 24.43 chs. dist.</p> <p>Land, nearly level desert. Soil, gravelly clay loam. Timber, none. Undergrowth, greasewood, sagebrush, cactus, weeds and grass.</p>
24.00	<p>From the cor. of secs. 11, 12, 13, and 14 and 15.</p> <p>Thence N. 89° 55' W., bet. secs. 11 and 14.</p>
37.40	Wash, drains N. 65° W. bet. 11 and 14.
40.02	<p>Eastern edge of the Detrital drainage area.</p> <p>Point for the $\frac{1}{4}$ sec. cor. of secs. 11 and 14. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T29N R21W $\frac{1}{4}$ S11 S14 1960</p> <p>Raise a mound of stone N. of the iron post.</p>

Survey of a Portion of the Subdivision of T. 29 N., R. 21 W.

Chains	
51.40	Main channel of Detrital Wash, drains N. 20° E.
56.90	Western edge of the Detrital Wash drainage area.
60.30	Old road, bears NE. and SW.
66.65	Oiled road, bears N. 15° E. to Temple Bar Resort and S. 15° W. to U. S. Highway 93 and 466.
80.04	The cor. of secs. 10, 11, 14 and 15. Land, nearly level desert. Soil, gravelly clay loam. Timber, none. Undergrowth, greasewood, sagebrush, cactus, weeds and grass.
N. 0° 01' W., bet. secs. 10 and 11. Over gently rolling land, through medium dense undergrowth.	
2.60	Shallow wash, drains E.
6.60	Shallow wash, drains E.
10.20	Wash, drains E.
20.40	Wash, drains E.
32.40	Wash, drains E.
39.60	Wash, drains E.
40.00	True point for the $\frac{1}{2}$ sec. cor. of secs. 10 and 11 falls on cut bank of wash where monument cannot be perpetuated.
41.00	Point selected for witness $\frac{1}{2}$ sec. cor. of secs. 10 and 11. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 2 $\frac{1}{2}$ ins. in the ground at the witness $\frac{1}{2}$ sec. of secs. 10 and 11, with brass cap mkd. T29N R21W S10 S11 W/C 1960
	Raise a mound of stone W. of the iron post.
49.80	Wash, drains E.
64.15	Wash, drains E.
75.80	Wash, drains E.
80.00	Point for the cor. of secs. 10 and 11. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 16 ins. in the ground to solid rock, in a mound of stone, with brass cap mkd. T29N R21W S3 S2 S10 S11 1960
	Deposit broken glass at the base of the iron post.

Survey of a Portion of the Subdivision of T. 29 N., R. 21 W.

Chains

Land, gently rolling desert.
Soil, gravelly clay loam.
Timber, none.
Undergrowth, greasewood, sagebrush, cactus, weeds and grass.

From the cor. of secs. 1, 2, 11 and 12.

Thence

N. 89° 58' W., bet. secs. 2 and 11.

Over rolling land, through medium dense undergrowth.

- .25 Eastern edge of the Detrital Wash drainage area.
- 10.50 Main channel of Detrital Wash, drains N. 60° E.
- 20.25 Western edge of the Detrital Wash drainage area.
- 26.85 Dim old road, bears N. 10° E. and S. 10° W.
- 34.15 Oiled road, bears N. 20° E. to Temple Bar Resort and S. 20° W. to U. S. Highway No. 93 and 466.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11.
- Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground to solid rock, in a mound of stone, with brass cap mkd.
- T29N R21W
 $\frac{1}{4}$ S. 2
S11
1960
- Deposit broken glass at the base of the iron post.
- 61.60 Wash, drains NE.
- 75.10 Wash, drains NE.
- 80.00 The cor. of secs. 2, 3, 10 and 11.

Land, rolling desert.
Soil, gravelly clay loam.
Timber, none.
Undergrowth, greasewood, sagebrush, cactus, weeds and grass.

N. 0° 05' W., bet. secs. 2 and 3.

Over rolling land, through medium dense undergrowth.

- 11.00 Wash, drains N. 70° E.
- 24.80 Wash, drains N. 80° E.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 3.
- Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground, with brass cap mkd.

BOOK 4609

Survey of a Portion of the Subdivision of T. 29 N., R. 21 W.

Chains	
	<p style="text-align: center;">T29N R21W $\frac{1}{4}$ S3 S2 1960</p>
	Deposit broken glass at the base of the iron post.
43.20	Wash, drains N. 70° E.
60.30	Wash, drains NE.
67.50	Wash, drains E.
79.79	Intersect the cor. of secs. 2, 3, 34 and 35 on the N. bdy. of the Tp., mkd. by an iron post, 2½ ins. diam., firmly set, properly mkd. and witnessed as described in the official record.
	Land, rolling hills. Soil, gravelly to rocky clay loam. Timber, none. Undergrowth, greasewood, sagebrush, cactus, weeds and grass.
	<p>Begin from the standard cor. of secs. 33 and 34 on the S. bdy. of the Tp., mkd. by an iron post, 3 ins. diam., firmly set, properly mkd. and witnessed as described in the official record.</p> <p>Thence</p> <p>N. 0° 02' W., bet. secs. 33 and 34.</p> <p>Over nearly level land, through medium dense undergrowth.</p>
7.48	Oiled road, bears N. 20° 31' E. to Temple Bar Resort and S. 20° 31' W. to U. S. Highway No. 93 and 466.
26.60	Flat bottomed wash, drains N. 60° E.
40.00	Point for the cor. of secs. 33 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	<p style="text-align: center;">T29N R21W $\frac{1}{4}$ S33 S34 1960</p>
	Raise a mound of stone W. of the iron post.
52.00	Wash, drains N. 80° E.
78.30	Wash, drains NE.
80.00	Point for the cor. of secs. 27, 28, 33 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	<p style="text-align: center;">T29N R21W S28 S27 S33 S34 1960</p>
	Raise a mound of stone W. of the iron post.
	Land, rolling desert. Soil, sandy to gravelly clay loam.

Survey of a Portion of the Subdivision of T. 29 N., R. 21 W.

Chains

Timber, none.
Undergrowth, sagebrush, greasewood, cactus, weeds and grass.

From the cor. of secs. 26, 27, 34, and 35.

Thence

N. 89° 58' W., bet. secs. 27 and 34.

Over nearly level land, through medium dense undergrowth.

23.40 Wash, 50 lks. wide, 2 ft. deep, drains NE.

39.99 Point for the $\frac{1}{4}$ sec. cor. of secs. 27 and 34.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T29N R21W

$\frac{1}{4}$ $\frac{S27}{S34}$
1960

Raise a mound of stone N. of the iron post.

42.30 Wash, 20 lks. wide, 1 ft. deep, drains NE.

54.80 Oiled road, bears N. 20° 30' E. and S. 20° 30' W., Temple Bar Resort to U. S. Highway No. 93 and 466.

77.60 Wash, 15 lks. wide, 3 ft. deep, drains NE.

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

Land, nearly level desert.

Soil, gravelly clay loam.

Timber, none.

Undergrowth, sagebrush, greasewood, cactus, weeds and grass.

N. 0° 02' W., bet. secs. 27 and 28.

Over nearly level land, through medium dense undergrowth.

2.40 Shallow wash, drains NE.

25.46 Shallow wash, drains NE.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 27 and 28.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T29N R21W

$\frac{1}{4}$ $\frac{S28}{S27}$
1960

Raise a mound of stone W. of the iron post.

52.40 Shallow wash, drains NE.

80.00 Point for the cor. of secs. 21, 22, 27 and 28.

Survey of a Portion of the Subdivision of T. 29 N., R. 21 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T29N R21W

S21 | S22

S28 | S27

1960

Raise a mound of stone W. of the iron post.

Land, nearly level desert.

Soil, sandy to gravelly clay loam.

Timber, none.

Undergrowth, sagebrush, greasewood, cactus, weeds and grass.

From the cor. of secs. 22, 23, 26, and 27.

Thence

N. 89° 58' W., bet. secs. 22 and 27.

Over nearly level land, through medium dense undergrowth.

17.00 Wash, 20 lks. wide, 3 ft. deep, drains NE.

28.30 Oiled highway bears N. 20° 30' E. to Temple Bar Resort and S. 20° 30' W. to U. S. Highway No. 93 and 466.

39.00 Shallow wash, drains NE.

39.99 Point for the ¼ sec. cor. of secs. 22 and 27.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T29N R21W

¼ S22

S27

1960

Raise a mound of stone N. of the iron post.

64.50 Shallow wash, drains NE.

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

Land, nearly level desert.

Soil, gravelly clay loam.

Timber, none.

Undergrowth, greasewood, sagebrush, cactus, weeds and grass.

N. 0° 02' W., bet. secs. 21 and 22.

Over nearly level land, through medium dense undergrowth.

1.20 Shallow wash, drains E.

19.20 Shallow wash, drains E.

38.95 Shallow wash, drains E.

40.00 Point for the ¼ sec. cor. of secs. 21 and 22.

Survey of a Portion of the Subdivision of T. 29 N., R. 21 W.

Chains	
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T29N R21W ¼ S21 S22 1960
	Raise a mound of stone W. of the iron post.
42.90	Shallow wash, drains E.
64.15	Wash, 15 lks. wide, 3 ft. deep, drains N. 80° E.
72.50	Dim old road, bears N. 10° E. and S. 10° W.
80.00	Point for the cor. of secs. 15, 16, 21, and 22.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground to solid rock, in a mound of stone, with brass cap mkd.
	T29N R21W S16 S15 S21 S22 1960
	Deposit broken glass at the base of the iron post.
	Land, nearly level desert.
	Soil, sandy to gravelly clay loam.
	Timber, none.
	Undergrowth, sagebrush, greasewood, cactus, weeds and grass.
	From the cor. of secs. 14, 15, 22, and 23.
	Thence
	N. 89° 59' W., bet. secs. 15 and 22.
	Over nearly level land, through medium dense undergrowth.
4.90	Oiled road, bears N. 20° 30' E. to Temple Bar Resort and S. 20° 20' W. to U. S. Highway No. 93 and 466.
18.10	Wash, 20 lks. wide, 2 ft. deep, drains NE.
33.85	Recross wash, drains S. 85° E. from N. 85° W.
40.00	Point for the ¼ sec. cor. of secs. 15, and 22.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T29N R21W ¼ S15 S22 1960
	Deposit broken glass at the base of the iron post.
41.15	Shallow wash, drains N.
57.10	Shallow wash, drains N. 80° E.
61.50	Recross wash, drains S. 80° E.

Survey of a Portion of the Subdivision of T. 29 N., R. 21 W.

Chains

76.20	Wash, drains S. 80° E. and S. 00° E.
79.50	Dim old road, bears N. 20° W. from S.
80.00	The cor. of secs. 15, 16, 21 and 22. Land, nearly level desert. Soil, gravelly clay loam. Timber, none. Undergrowth, sagebrush, greasewood, cactus, weeds and grass.
	N. 0° 02' W., bet. secs. 15 and 16. Over nearly level land, through medium dense undergrowth.
1.10	Shallow wash, drains SE.
10.55	Dim old road, bears N. 10° W. and S. 10° E.
15.20	Shallow wash, drains E.
38.35	Shallow wash, drains E.
39.80	Point selected for the witness $\frac{1}{2}$ sec. cor. of secs. 15 and 16. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground at the witness $\frac{1}{2}$ sec. cor. of secs. 15 and 16, with brass cap mkd. T29N R21W $\frac{1}{2}$ S16 S15 W C 1960
	Raise a mound of stone W. of the iron post.
40.00	True point for $\frac{1}{2}$ sec. cor. of secs. 15 and 16 falls in wash draining E.
47.55	Wash, 20 lks. wide, 3 ft. deep, drains N. 80° E.
58.90	Shallow wash, drains E.
69.45	Shallow wash, drains E.
80.00	Point for the cor. of secs. 9, 10, 15 and 16. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 26 ins. in the ground, with brass cap mkd, T29N R21W S 9 S10 S16 S15 1960
	Raise a mound of stone W. of the iron post. Land, nearly level desert. Soil, gravelly clay loam. Timber, none. Undergrowth, sagebrush, greasewood, cactus, weeds and grass.

Survey of a Portion of the Subdivision of T. 29 N., R. 21 W.

Chains	
	<p>From the cor. of secs. 10, 11, 14 and 15.</p> <p>Thence</p> <p>S. 89° 58' W., bet. secs. 10 and 15.</p> <p>Over nearly level land, through medium dense undergrowth.</p>
30.85	Shallow wash, drains S. 80° E.
39.97	<p>Point for the $\frac{1}{4}$ sec. cor. of secs. 10 and 15.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">T29N R21W</p> <p style="text-align: center;">$\frac{1}{4}$ S10 S15</p> <p style="text-align: center;">1960</p>
55.00	<p>Raise a mound of stone N. of the iron post.</p> <p>Shallow wash, drains NE.</p>
58.10	Recross wash, drains S. 80° E.
67.20	Recross wash, drains N. 70° E.
79.94	<p>The cor. of secs. 9, 10, 15 and 16.</p> <p>Land, gently rolling desert.</p> <p>Soil, gravelly clay loam.</p> <p>Timber, none.</p> <p>Undergrowth, greasewood, sagebrush, cactus, weeds and grass.</p>
6.60	<p>N. 0° 02' W., bet. secs. 9 and 10.</p> <p>Over gently rolling land, through medium dense undergrowth.</p> <p>Shallow wash, drains E.</p>
16.50	Wash, 20 lks. wide, 2 ft. deep, drains E.
33.10	Wash, 15 lks. wide, 1 ft. deep, drains E.
40.00	<p>Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 10.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">T29N R21W</p> <p style="text-align: center;">$\frac{1}{4}$ S 9 S10</p> <p style="text-align: center;">1960</p>
	Raise a mound of stone W. of the iron post.
47.10	Wash, 15 lks. wide, 1 ft. deep, drains E.
53.10	Wash, 20 lks. wide, 1 ft. deep, drains E.
78.05	Shallow wash, drains E.
80.00	Point for the cor. of secs. 3, 4, 9 and 10.

Survey of a Portion of the Subdivision of T. 29 N., R. 21 W.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground to solid rock, in a mound of stone, with brass cap mkd.

T29N R21W
S4 | S3
S 9 | S10
1960

Raise a mound of stone W. of the iron post.

Land, gently rolling desert.
Soil, gravelly to rocky clay loam.
Timber, none.
Undergrowth, greasewood, sagebrush, cactus, weeds and grass.

From the cor. of secs. 2, 3, 10 and 11 and 12.

Thence

S. 89° 55' W., bet. secs. 3 and 10.

Over gently rolling land, through medium dense undergrowth.

39.95 Point for the ¼ sec. cor. of secs. 3 and 10.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, to solid rock, in a mound of stone, with brass cap mkd.

T29N R21W
¼ S 3
S10
1960

Raise a mound of stone N. of the iron post.

79.90 The cor. of secs. 3, 4, 9 and 10.

Land, nearly level desert.
Soil, sandy to gravelly clay loam.
Timber, none.
Undergrowth, sagebrush, greasewood, cactus, weeds and grass.

N. 0° 15' W., bet. secs. 3 and 4.

Over rolling land, through medium dense undergrowth.

11.70 Shallow wash, drains E.

14.10 Wash, 20 lks. wide, 1 ft. deep, drains E.

29.00 Wash, 20 lks. wide, 1 ft. deep, drains E.

40.00 Point for the ¼ sec. cor. of secs. 3 and 4.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground to solid rock, in a mound of stone, with brass cap mkd.

T29N R21W
¼ S 3
S4 | S3
1960

Raise a mound of stone W. of the iron post.

BOOK 4609

Survey of a Portion of the Subdivision of T. 29 N., R. 21 W.

Chains

- 56.80 Wash, 20 lks. wide, 1 ft. deep, drains E.
- 70.70 Wash, 30 lks. wide, 1 ft. deep, drains E.
- 74.40 Wash, 30 lks. wide, 1 ft. deep, drains E.
- 79.82 Intersect the cor. of secs. 3, 4, 33 and 34 on the N. bdy. of the Tp., mkd. by 1 an iron post, 2 $\frac{1}{2}$ ins. diam., firmly set, properly mkd. and witnessed as described in the official record.

Land, gently rolling desert.
Soil, gravelly clay loam.
Timber, none.
Undergrowth, greasewood, sagebrush, cactus, weeds and grass.

GENERAL DESCRIPTION

The land covered by the present survey lays entirely in the flood plain of Detrital Wash. The wash is in a broad, open valley and the wash itself is broad and flat bottomed. In most places there are many channels to the wash and it is difficult to determine the main one. The land is rolling with many small washes draining into the main wash. The soil is a sandy to gravelly clay loam. There are a few scattered juniper in the area and the most prominent feature is joshua and saguaro cactus. Over the entire area will be found sagebrush, greasewood, weeds and grass. The cover affords forage for a limited number of animals.

In the southern part of the area is a well with a windmill used for stock watering. In the southwest quarter of section 11 is an experimental evaporating pond for the recovery of sodium.

The oiled road from Highway 93 and 466 to the Temple Bar Resort on the south shore of Lake Mead, runs diagonally through the surveyed part of the township. There are many unimproved roads built by stockmen and prospectors.

4-680
(Feb., 1960)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
James R. Munson	Principal Assistant
Paul G. Bauer	Chainman
Daniel R. Bauer	Chainman
Stanley F. Greene	Flagman

25

CERTIFICATE OF CADASTRAL ENGINEER

XX We, Robert C. Yundt and Virgil E. Spratt, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 29th day of January, 1960, we have surveyed a portion of the subdivision of T. 29 N., R. 21 W.

of the Gila & Salt Riv. 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.

Salt Lake City, Utah
June 10, 1960

Robert C. Yundt, Cadastral Surveyor
Virgil E. Spratt, Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., OCT 25 1961, 19

The foregoing field notes of the survey of a portion of the subdivision of T. 29 N., R. 21 W., Gila and Salt River Meridian, Arizona

executed by Robert C. Yundt and Virgil E. Spratt, Cadastral Surveyors having been critically examined and found correct, are hereby approved.

Chief, Division of Engineering

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in T. 29 N., R. 21 W., G.&S.R.M., Ariz., is a true copy of the original field notes.

Chief, Division of Engineering