

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

BOOK 4460

1

Original

BOOK 4460

FIELD NOTES

of the Survey of

North Boundary

and

Partial Subdivision

of

Township 37 North, Range 4 West

Of the Gila and Salt River Meridian,

In the State of Arizona

EXECUTED BY

Donald E. Harding--Cadastral Engineer

Under special instructions dated August 16, 1954, which provided
for the surveys included under Group No. 294, approved August 20, 1954
and assignment instructions dated October 4, 1954

Survey commenced October 24, 1954

Survey completed November 15, 1954

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(A)

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North Boundary, T. 37 N., R. 4 West

Chains

The south and west boundaries were surveyed by J. C. Thoma in 1914. The east boundary was surveyed by Good and Kinsey in 1933, of which they monumented the north 4 miles and traversed the south 2 miles but did not monument the corners.

For the test of the instruments and methods used see the notes for the survey of T. 40 N., R. 1 W.

The geographic position of the southeast corner of T. 37 N., R. 4 W. is latitude 36°33'15" N., longitude 112°40'28" W. The mean magnetic declination is 16°00' E.

From the cor. of Ts. 37 and 38 N., Rs. 3 and 4 W., monumented with an iron post, set and marked as described in the official record.

N. 89° 47' W., bet. secs. 1 and 36.

Over rolling land, through dense sagebrush and very scattered juniper.

40.00 Point for the 1/4 sec. cor. of secs. 1 and 36.

Set an iron post, 28 ins. long, 2 1/2 ins. diam., 18 ins. in the ground, with brass cap mkd.

S 36
1/4
S 1
1954

Raise a mound of stone, 3 ft. base, 2 1/2 ft. high, N. of cor.

42.10 Rocky gulch, 80 lks. wide, 20 ft. deep, course N.

59.30 Road, track, bears N. and S.

80.00 Point for the cor. of secs. 1, 2, 35, and 36.

Set an iron post, 28 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, with brass cap mkd.

T38NR4W
S35|S36
S2|S1
T37N
1954

Raise a mound of stone, 3 ft. base, 2 1/2 ft. high, W. of cor.

Land, low and rolling.

Soil, sandy clay.

Timber, scattered juniper.

Undergrowth, dense sagebrush and sparse grass.

N. 89° 47' W., bet. secs. 2 and 35.

Desc. 65 ft. over gentle W. slope.

29.10 Bottom of draw, course SSW.; asc. 37 ft. over SE. slope.

40.00 Point for the 1/4 sec. cor. of secs. 2 and 35.

North Boundary of T. 37 N., R. 4 W.

Chains	<p>Set an iron post, 28 ins. long, 2$\frac{1}{2}$ ins. diam., 10 ins. in the ground, and in a mound of stone to top, with brass cap mkd.</p> <p style="text-align: center;"> S 35 $\frac{1}{4}$ ————— S 2 1954 </p> <p>Desc. 116 ft. over broken S. slope on N. side of draw.</p> <p>80.00 Point for the cor. of secs. 2, 3, 34, and 35.</p> <p>Set an iron post, 28 ins. long, 2$\frac{1}{2}$ ins. diam., 2 ins. in the ground, and in a mound of stone to top, with brass cap mkd.</p> <p style="text-align: center;"> T38NR4W S34 S35 S3 S2 T37N 1954 </p> <p>Land, rolling with low breaks. Soil, sandy clay. Timber, scattered juniper. Undergrowth, dense sagebrush, sparse grass, and cacti.</p>
21.20	<p>N. 89° 47' W., bet. secs. 3 and 34.</p> <p>Asc. 92 ft. over S. slope on N. side of canyon.</p> <p>21.20 Spur, slopes SW.; desc. 469 ft. over cliffs and ledges on W. slope.</p>
40.00	<p>40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 34. inaccessible.</p>
45.00	<p>45.00 Point for the witness $\frac{1}{4}$ sec. cor. of secs. 3 and 34.</p> <p>Set an iron post, 28 ins. long, 2$\frac{1}{2}$ ins. diam., 4 ins. in the ground, and in a mound of stone to top, with brass cap mkd.</p> <p style="text-align: center;"> WC S 34 $\frac{1}{4}$ —————→ S 3 1954 </p>
45.50	<p>45.50 Wash, in canyon, 50 lks. wide, course S.; asc. 180 ft. over broken E. slope.</p>
56.00	<p>56.00 Spur, steep, slopes S.; desc. 170 ft. over SW. slope.</p>
80.00	<p>80.00 Point for the cor. of secs. 3, 4, 33, and 34.</p> <p>Set an iron post, 28 ins. long, 2$\frac{1}{2}$ ins. diam., 18 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;"> T38NR4W S33 S34 S4 S3 T37N 1954 </p> <p>Raise a mound of stone, 3 ft. base, 2$\frac{1}{2}$ ft. high, N. of cor.</p> <p>Land, mountainous. Soil, sandy and rocky clay.</p>

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North Boundary of T. 37 N., R. 4 W.

Chains

Timber, none.
Undergrowth, sagebrush, cacti, and sparse grass.

N. 89° 47' W., bet. secs. 4 and 33.

Along bottom of Gramma Canyon.

15.00 Wash, in Gramma Canyon, 40 lks. wide, 3 ft. deep, course ESE.; asc. 521 ft. over ledges and cliffs, on NE. slope.

21.30 Top out of Gramma Canyon; thence over rolling grassy ridges, through scattered juniper.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 4 and 33.

Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground, and in a mound of stone to top, with brass cap mkd.

S 33
 $\frac{1}{4}$ —————
S 4
1954

Asc. over gentle E. slope.

80.00 Point for the cor. of secs. 4, 5, 32, and 33.

Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 3 ins. in the ground, and in a mound of stone to top, with brass cap mkd.

T38NR4W
S32 | S33
—+—
S5 | S4
T37N
1954

Land, mountainous.
Soil, sandy and rocky clay.
Timber, juniper.
Undergrowth, sagebrush, cacti, and sparse grass.

N. 89° 47' W., bet. secs. 5 and 32.

Over high spurs and deep canyons.

6.00 Desc. 220 ft. over rough rocky NW slope.

34.50 Wash, in canyon, 30 lks. wide; course NE.; asc. 130 ft. over E. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 5 and 32.

Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 3 ins. in the ground, and in a mound of stone to top, with brass cap mkd.

S 32
 $\frac{1}{4}$ —————
S 5
1954

Asc. 198 ft. over E. slope.

50.60 Sharp rocky spur, slopes NE.; desc. 280 ft. over NW. slope.

North Boundary of T. 37 N., R. 4 W.

Chains

67.60 Fork of two canyons, one from SW. and one from W., both draining N. 70° E.; asc. 210 ft. over brow of spur.

80.00 Point for the cor. of secs. 5, 6, 31, and 32.

Set an iron post, 28 ins. long, 2½ ins. diam., 18 ins. in the ground, with brass cap mkd.

T38NR4W
S31 | S32
S6 | S5
T37N
1954

Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.

Land, mountainous.
Soil, sandy and rocky clay.
Timber, scattered juniper.
Undergrowth, sagebrush, cacti, and grass.

N. 89° 47' W., bet. secs. 6 and 31.

Asc. 102 ft. over prow of spur.

5.70 Top of ascent, series of spurs; spurs slope N, E. and S.; desc. 82 ft. over W. slope.

18.00 Saddle, bears N. and S., with steep breaks to N. and to S.; asc. 74 ft. over E. slope.

40.00 Point for the ¼ sec. cor. of secs. 6 and 31.

Set an iron post, 28 ins. long, 2½ ins. diam., 2 ins. in the ground, and in a mound of stone to top, with brass cap mkd.

¼ — S 31
S 6
1954

Asc. 46 ft. over E. slope.

42.00 Slope changes to NE.; asc. 83 ft.

79.20 The cor. of Ts. 37 and 38 N., Rs. 4 and 5 W., monumented with an iron post, set and marked as described in the official record.

Land, mountainous.
Soil, sandy and rocky clay,
Timber, scattered juniper.
Undergrowth, sagebrush, cacti, and sparse grass.

Partial Subdivision of T. 37 N., R. 4 W.

From the cor. of secs. 13, 18, 19, and 24, on the west boundary of the township monumented with an iron post, set and marked as described in the official record.

East, bet. secs. 18 and 19.

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Partial Subdivision of T. 37 N., R. 4 W.

Chains	Desc. 105 ft. over general E. slope, through scattered juniper and sagebrush.
34.00	Road, bears NNE. and SSW.
34.00	Draw, course NE.
39.74	Point for the $\frac{1}{4}$ sec. cor. of secs. 18 and 19, at the calculated position allowing for convergency above the standard parallel. Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground, with brass cap mkd. $\begin{array}{r} S 18 \\ \frac{1}{4} \text{---} \\ S 19 \\ 1954 \end{array}$
	Raise a mound of stone, 3 ft. base, $2\frac{1}{2}$ ft. high, N. of cor.
53.30	Road, track, bears N. and S.
79.74	Point for the cor. of secs. 17, 18, 19, and 20. Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground, with brass cap mkd. $\begin{array}{r} T37NR4W \\ S18 S17 \\ S19 S20 \\ 1954 \end{array}$
	Raise a mound of stone, 3 ft. base, $2\frac{1}{2}$ ft. high, W. of cor. Land, rolling. Soil, sandy clay. Timber, scattered juniper. Undergrowth, sagebrush, cacti, and grass.
	East, bet. secs. 17 and 20. Over rolling ridges, through scattered juniper and sagebrush. Asc. 40 ft. over W. slope.
4.30	Ridge, bears N. and S.; desc. 51 ft. over E. slope.
10.60	Wash, 10 lks. wide, 3 ft. deep, course NNW.; desc. 123 ft. over E. slope.
23.30	Bottom of canyon, wash, 20 lks. wide, course NNW.; asc. 100 ft. over W. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 17 and 20. Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd. $\begin{array}{r} S 17 \\ \frac{1}{4} \text{---} \\ S 20 \\ 1954 \end{array}$
	Raise a mound of stone, 3 ft. base, $2\frac{1}{2}$ ft. high, N. of cor.

Partial Subdivision of T. 37 N., R. 4 W.

Chains	
51.50	Ridge, bears N. and S.; desc. 129 ft. over E. slope.
79.00	Wash, in canyon, 30 lks. wide, course N.; asc. 42 ft. over W. slope.
80.00	Point for the cor. of secs. 16, 17, 20, and 21.
	Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd.
	T37NR4W S17 S16 S20 S21 1954
	Raise a mound of stone, 3 ft. base, $2\frac{1}{2}$ ft. high, W. of cor.
	Land, rolling ridges. Soil, sandy clay. Timber, scattered juniper. Undergrowth, sagebrush, cacti, and grass.
<hr/>	
	East, bet. secs. 16 and 21.
	Asc. 108 ft. over W. slope.
8.50	Ridge, bears N. and S.; desc. 147 ft. over E. slope.
21.60	Wash, 10 lks. wide, 2 ft. deep, course N.; asc. 30 ft. over W. slope.
32.40	Spur, slopes N.; desc. 110 ft. over E. slope.
37.00	Wash, in canyon, 20 lks. wide, course NNW.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21.
	Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd.
	$\frac{1}{4}$ S 16 <hr style="width: 50px; margin: auto;"/> S 21 1954
	Raise a mound of stone, 3 ft. base, $2\frac{1}{2}$ ft. high, N. of cor.
	Asc. 139 ft. over broken W. slope.
54.00	Ridge, bears N. and S.; desc. 74 ft. over E. slope.
60.30	Wash, in small canyon, course NNW.; asc. 89 ft. over W. slope.
80.00	Point for the cor. of secs. 15, 16, 21, and 22.
	Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground, with brass cap mkd.
	T37NR4W S16 S15 S21 S22 1954
	Raise a mound of stone, 3 ft. base, $2\frac{1}{2}$ ft. high, W. of cor.
	Land, rolling ridges. Soil, sandy and rocky clay.

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Partial Subdivision of T. 37 N., R. 4 W.

Chains	<p>Timber, scattered juniper. Undergrowth, sagebrush, cacti, and grass.</p>
	<p>N. 0° 02' W., bet. secs. 15 and 16.</p>
	<p>Desc. 51 ft. over gentle NW. slope.</p>
20.70	<p>Small wash, course NW.</p>
40.00	<p>Point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16.</p>
	<p>Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground, and in a mound of stone to top, with brass cap mkd.</p>
	<p style="text-align: center;">$\frac{1}{4}$</p>
	<p style="text-align: center;">S 16 S 15</p>
	<p style="text-align: center;">1954</p>
	<p>Desc. 23 ft. over gentle NNW. slope.</p>
80.00	<p>Point for the cor. of secs. 9, 10, 15, and 16.</p>
	<p>Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">T37NR4W</p>
	<p style="text-align: center;">S9 S10</p>
	<p style="text-align: center;">S16 S15</p>
	<p style="text-align: center;">1954</p>
	<p>Raise a mound of stone, 3 ft. base, $2\frac{1}{2}$ ft. high, W. of cor.</p>
	<p>Land, rolling.</p>
	<p>Soil, sandy and rocky clay.</p>
	<p>Timber, juniper.</p>
	<p>Undergrowth, sagebrush, cacti, and grass.</p>
	<p>N. 0° 02' W., bet. secs. 9 and 10.</p>
	<p>Over ridges and deep canyons.</p>
25.00	<p>Desc. 350 ft. over broken NW. slope.</p>
36.10	<p>Wash, in canyon, 30 lks. wide, course NE.; asc. 220 ft. over rocky pinnacles and ledges.</p>
40.00	<p>Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 10 inaccessible.</p>
40.20	<p>Point for the witness $\frac{1}{4}$ sec. cor. of secs. 9 and 10.</p>
	<p>Set an iron post, over an "X" cut in solid rock, and in a mound of stone to top, with brass cap mkd.</p>
	<p style="text-align: center;">$\frac{1}{4}$</p>
	<p style="text-align: center;">S 9 S 10</p>
	<p style="text-align: center;">W ↓ C</p>
	<p style="text-align: center;">1954</p>

Partial Subdivision of T. 37 N., R. 4 W.

Chains	<p>Desc. 180 ft. over ledges on NE. slope.</p> <p>50.00 Bottom of descent; asc. 380 ft. over SE. slope.</p> <p>65.00 S. edge of rim on Rincon, which bears E. and SW.</p> <p>67.00 Flat spur, slopes E.; desc. 37 ft. over N. slope.</p> <p>80.00 Point for the cor. of secs. 3, 4, 9, and 10.</p> <p>Set an iron post, 28 ins. long, 2$\frac{1}{2}$ ins. diam., 18 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T37NR4W</p> <table border="1"> <tr> <td>S4</td> <td>S3</td> </tr> <tr> <td>S9</td> <td>S10</td> </tr> </table> <p>1954</p> </div> <p>Raise a mound of stone, 3 ft. base, 2$\frac{1}{2}$ ft. high, W. of cor.</p> <p>Land, mountainous. Soil, sandy and rocky clay. Timber, scattered juniper. Undergrowth, sagebrush, cacti, and grass.</p>	S4	S3	S9	S10
S4	S3				
S9	S10				
	<p>N. 0° 11' W., bet. secs. 3 and 4.</p> <p>Desc. 80 ft. over N. slope.</p> <p>5.20 Wash, in small canyon, 20 lks. wide, course E.; asc. 132 ft. over S. slope.</p> <p>15.00 Top of ascent; thence over gentle E. slope.</p> <p>30.00 Desc. 57 ft. over N. slope.</p> <p>35.10 Wash, 10 lks. wide, 2 ft. deep, course NNW.</p> <p>40.00 Set an iron post, over an "X" cut in solid rock, and in a mound of stone to top, with brass cap mkd.</p> <div style="text-align: center;"> <p>$\frac{1}{4}$</p> <table border="1"> <tr> <td>S 4</td> <td>S 3</td> </tr> </table> <p>1954</p> </div> <p>Desc. 310 ft. over N. slope.</p> <p>53.00 Wash, in bottom of canyon, 20 lks. wide, course ENE.; asc. 302 ft. over ledges and small cliffs on SE. slope.</p> <p>63.00 Spur, slopes E.; desc. 490 ft. over cliffs and ledges into Gramma Canyon.</p> <p>76.00 Wash, in bottom of Gramma Canyon, course S. 70° E.</p> <p>79.08 The cor. of secs. 3, 4, 33, and 34, on the N. bdy. of the township heretofore described.</p> <p>Land, mountainous. Soil, sandy and rocky clay. Timber, none. Undergrowth, sagebrush, cacti, and grass.</p>	S 4	S 3		
S 4	S 3				

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Partial Subdivision of T. 37 N., R. 4 W.

Chains	
	From the cor. of secs. 16, 17, 20, and 21.
	N. 0° 02' W., bet. secs. 16 and 17.
	Desc. 45 ft. over W. slope.
16.60	Road, track, bears SSE. and NNW.
17.60	Wash, 20 lks wide, 3 ft. deep, course NNW.; asc. 83 ft. over broken W. slope.
31.50	Small wash, course W.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 17. Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, and in a mound of stone to top, with brass cap mkd.
	$\frac{1}{4}$ S 17 S 16 1954
40.10	Ridge, bears E. and W.; desc. 113 ft. over N. slope.
46.80	Wash, 20 lks. wide, 3 ft. deep, course E.; asc. 96 ft. over S. slope.
56.80	Small wash, course E.
60.00	Ridge, bears E. and W.; desc. 29 ft. over N. slope.
73.30	Wash, 10 lks. wide, 4 ft. deep, course E.
80.00	Point for the cor. of secs. 8, 9, 16, and 17. was in small wash, course E.
	Point for the witness cor. of secs. 8, 9, 16, and 17, bears N. 0° 02' W., 40 lks. dist. Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground, and in a mound of stone to top, with brass cap mkd.
	T37NR4W S8 S9 S17 S16 W C 1954
	Land, rolling. Soil, sandy and rocky clay. Timber, scattered juniper. Undergrowth, sagebrush, cacti, and grass.
	From the cor. of secs. 9, 10, 15, and 16.
	S. 89° 56' W., bet. secs. 9 and 16.
	Desc. 19 ft. over gentle W. slope.
19.00	Desc. 164 ft. over broken W. slope.
29.30	Wash, in canyon, 20 lks. wide, course N.
32.20	Spur, slopes N.

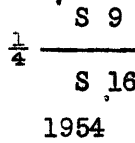
Partial Subdivision of T. 37 N., R. 4 W.

Chains

34.00 Wash, in canyon, 30 lks. wide, course NNE.; asc. 75 ft. over S. slope on N. side of canyon.

40.01 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16.

Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground, and in a mound of stone to top, with brass cap mkd.



Asc. 157 ft. over broken S. slope on N. side of canyon.

71.30 Top of ascent; thence across level top.

80.02 The true point for the cor. of secs. 8, 9, 16, and 17.

Land, mountainous.
Soil, sandy and rocky clay.
Timber, scattered juniper.
Undergrowth, sagebrush, cacti, and grass.

N. 0° 02' W., bet. secs. 8 and 9.

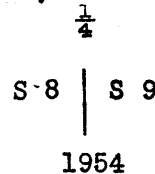
Over rolling ridges, through scattered juniper and sagebrush.

.40 The witness cor. of secs. 8, 9, 16, and 17.

31.20 Road, track, bears E. and W.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 8 and 9.

Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd.

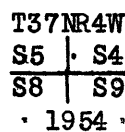


Raise a mound of stone, 3 ft. base, $2\frac{1}{2}$ ft. high, W. of cor.

Continue over rolling grassy ridges.

80.00 Point for the cor. of secs. 4, 5, 8, and 9.

Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground, with brass cap mkd.



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

Land, rolling ridges.
Soil, sandy and rocky clay.
Timber, scattered juniper.
Undergrowth, sagebrush, cacti, and grass.

BOOK 4460

Partial Subdivision of T. 37 N., R. 4 W.

Chains	
	From the cor. of secs. 3, 4, 9, and 10.
	West, bet. secs. 4 and 9.
	Over rolling grassy covered ridges, through scattered juniper.
4.00	Small wash, course N.
8.90	Small wash, course N.; asc. 38 ft. over gentle E. slope.
40.01	Point for the $\frac{1}{4}$ sec. cor. of secs. 4 and 9.
	Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground, and in a mound of stone to top, with brass cap mkd.
	$\frac{1}{4} \begin{array}{r} S 4 \\ \hline S 9 \\ 1954 \end{array}$
42.00	Ridge, flat, bears N. and S.; desc. 46 ft. over W. slope.
67.00	Draw, course N.; asc. 34 ft. over E. slope.
80.02	The cor. of secs. 4, 5, 8, and 9.
	Land, rolling grassy ridges. Soil, sandy clay. Timber, scattered juniper. Undergrowth, sagebrush, cacti, and grass.
	N. $0^{\circ} 09'$ W., bet. secs. 4 and 5.
	Over rolling grassy ridges, through scattered juniper.
6.40	Small wash, course SW.
15.40	Desc. 38 ft. over N. slope.
36.00	Wash, 20 lks. wide, 1 ft. deep, course W.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 4 and 5.
	Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground, with brass cap mkd.
	$\frac{1}{4} \begin{array}{c} S 5 \quad \quad S 4 \\ \hline 1954 \end{array}$
	Raise a mound of stone, 3 ft. base, $2\frac{1}{2}$ ft. high, W. of cor.
	Continue over grassy land.
79.48	The cor. of secs. 4, 5, 32, and 33, on the N. bdy. of the township heretofore described.
	Land, rolling and grassy. Soil, sandy clay. Timber, scattered juniper. Undergrowth, sagebrush, cacti, and grass.

Partial Subdivision of T. 37 N., R. 4 W.

General Description

The south boundary of T. 37 N., R. 4 W., lies in the bottom of Hacks Canyon, which drains almost due east. The north rim of Hacks Canyon is approximately $2\frac{1}{2}$ miles up in the township and approximately 2000 ft. above the canyon bed. The balance of the township is high ridges and canyons to 500 ft. deep. Most of the township is covered with scattered juniper, sagebrush and fair grass. No one is living within the township and the only use is grazing. There is no permanent water.

(14)

BOOK 4460

CERTIFICATE OF CADASTRAL ENGINEER

I, Donald E. Harding, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 16th day of August, 1954

I have surveyed North Boundary and part of the subdivision of T. 37 N., R. 4 W.

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.

June 13, 1955

Donald E. Harding
Donald E. Harding
Cartographer-Cadastral

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., OCT 25 1955, 19

The foregoing field notes of the survey of the North Boundary and part of the subdivision of T. 37 N., R. 4 W., G. & S. R. Meridian of Arizona.

executed by Donald E. Harding

having been critically examined and found correct, are hereby approved.

Earl G. Harrington
Chief, Division of Cadastral Engineering
Cadastral Engineering Staff Officer

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.

Chief, Division of Cadastral Engineering