

BOOK 4779

Form 9180-6  
(April 1965)  
(formerly 4-679)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

①

# FIELD NOTES

Retracement of the North Boundary of Section 1,

Township 40 North, Range 15 West,

SURVEY

of the

East Boundary of Township 40 North, Range 15 West

With Establishment of Corners for the West Boundary

of Township 40 North, Range 14 West,

and

Completion of Subdivisional Lines

of

Township 40 North, Range 15 West

Of the Gila and Salt River Meridian,

In the State of Arizona.

## EXECUTED BY

Boyd S. Owens, Cadastral Surveyor

Wallace R. Ott, Surveying Technician

Under special instructions dated April 14, 19 64, which provided for the surveys included under Group Number 412, approved April 14, 1964, and assignment instructions dated September 9, 19 65.

Survey commenced September 13, 19 65

Survey completed October 19, 19 65

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Township 40 North, Range 15 West  
Gila and Salt River Meridian, Arizona

1.B

CHAINS

The north boundary (Tenth Standard Parallel North) through Range 15 West was surveyed in 1912 by T. B. Matthews and that part through Range 14 West was surveyed in 1921 by J. P. Davis. The west boundary, a part of the south boundary, and a portion of the subdivisional lines, were surveyed in 1912 by T. B. Matthews. The remaining portion of the south boundary was surveyed in 1959-60 by Gazier and Owens.

The following notes are those of the retracement of the north boundary of section 1, Township 40 North, Range 15 West, the survey of the east boundary of Township 40 North, Range 15 West, with establishment of corners for the west boundary of Township 40 North, Range 14 West, at regular intervals north of the closing township corner of Township 40 North, Range 14 West, and the survey completing the subdivisional lines of Township 40 North, Range 15 West, Gila and Salt River Meridian, Arizona.

This survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1947, and the Special Instructions dated April 14, 1964. These instructions replace the Special Instructions, Group 212, Arizona, for these townships.

Only the true line bearings and horizontal distances for the surveyed lines are given in these notes. All topography along triangulated survey lines is as scaled from U.S.G.S. Quadrangle LITTLEFIELD, Arizona. Unless described, each corner was monumented with a standard iron post, 30 inches long, 2½ inches in diameter, flanged at the base and with a brass cap riveted to the top.

The geographic position of the southeast corner of the township is: Latitude, 36°48'57.8" North, and Longitude, 113°51'21.3" West, as calculated by traverse from triangulation station "Hancock Peak," located in section 12, Township 39 North, Range 15 West.

The magnetic declination was found to be 15°30' East.

Retracement of a Portion of the South Boundary,  
Section 31, Township 41 North, Range 14 West, Arizona

Retracement of the Survey Executed  
by J. P. Davis in 1921

From the standard ¼ sec. cor. of sec. 31, T. 41 N., R. 14 W., monumented by an iron post, 1 in. diam., set, mkd. and witnessed as described in the official record of the 1921 survey.

West, along the S. bdy. of sec. 31.

Desc. over broken W. slope of the Virgin Mountains.

23.00 Draw, drains NW.

29.50 Spur, slopes NW.

40.04 True point for the standard cor. of T. 41 N., Rs. 14 and 15 W.

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Retracement of a Portion of the South Boundary,  
Section 36, Township 41 North, Range 15 West, Arizona

2

2.

CHAINS	Retracement of a Portion of the South Boundary, Section 36, Township 41 North, Range 15 West, Arizona
	Retracement of the Survey Executed by T. B. Matthews in 1912
	From the true point for the standard cor. of T. 41 N., Rs. 14 and 15 W.
	West, along the south boundary of sec. 36.
.15	The witness standard cor. of T. 41 N., Rs. 14 and 15 W., monumented by an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record of the 1912 survey.
	Desc. over gentle W. slope through creosote and black- brush.
21.10	Wash, 60 lks. wide, 1 ft. deep, drains N. 80° W.
38.20	Wash, 20 lks. wide, 1 ft. deep, drains NW.
40.30	The standard $\frac{1}{4}$ sec. cor. of sec. 36, T. 41 N., R. 15 W., monumented by an iron post, 1 in. diam., set, mkd. and witnessed as described in the official record of the 1912 survey.
	Survey of the East Bdy., Township 40 North, Range 15 West With Establishment of Corners at Regular Intervals for Township 40 North, Range 14 West, Arizona
	From the true point for the SE. cor. of T. 40 N., R. 15 W., from which the witness cor. bears E., 36 lks. dist., monumented by an iron post, $2\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the official record of the 1960 survey.
	North, along the E. bdy. of sec. 36.
	Over steep broken W. slope of the Virgin Mountains, through moderate timber.
14.96	The closing cor. of sec. 31, T. 40 N., R. 14 W. and sec. 1, T. 39 N., R. 15 W., monumented by an iron post, $2\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the official record of the 1960 survey.
	Asc. over SW. slope.
20.90	Spur, slopes W.
30.00	Draw, drains W.
40.00	Point for the $\frac{1}{4}$ sec. cor. of sec. 36.  Set the iron post 18 ins. in the ground, mound with stones to top, brass cap mkd.

CHAINS	
	<p style="text-align: center;">T40N R15W ½ S36 1965</p>
41.90	Spur, slopes SW.
47.60	Saddle on high spur sloping NW.; desc. over NE. slope.
54.96	Point for the ½ sec. cor. of sec. 31, T. 40 N., R. 14 W.
	Set the iron post 6 ins. in the ground, mound with stones to top, brass cap mkd.
	<p style="text-align: center;">T40N R14W ½ S31 1965</p>
	Desc. along the E. side of spur, sloping N.
80.00	Point for the cor. of secs. 25 and 36.
	Set the iron post 20 ins. in the ground, brass cap mkd.
	<p style="text-align: center;">T40N R15W   R14W S25   S31 S36   1965</p>
	Raise a mound of stone W. of the cor.
	<p>Land, broken W. slope of the Virgin Mountains. Soil, rocky and clay loam. Timber, moderate pinon and juniper. Undergrowth, greasewood, cacti, oak and manzanita.</p>
	North, along the E. bdy. of sec. 25.
	Over broken mountainous land through moderate timber.
3.10	Finger spur, slopes E.
13.30	Spur, slopes NE.
14.66	Point selected for the witness cor. of secs. 30 and 31, T. 40 N., R. 14 W.
	Set the iron post 15 ins. in the ground, mound with stones to top, brass cap mkd.
	<p style="text-align: center;">T40N R15W R14W W C S25   S30 S31 1965</p>
14.96	True point for the cor. of secs. 30 and 31, T. 40 N., R. 14 W., falls on steep sloping rocky ledge where a monument cannot be perpetuated.
36.00	Rocky spur, slopes N. 30° E.; desc. over NW. slope.

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Survey of the East Bdy., Township 40 North, Range 15 West, Arizona

4.

CHAINS		
40.00	<p>Point for the <math>\frac{1}{4}</math> sec. cor. of sec. 25.</p> <p>Set the iron post 12 ins. in the ground, mound with stones to top, brass cap mkd.</p> <p style="text-align: center;">T40N R15W <math>\frac{1}{4}</math>   S25   1965</p> <p>from which</p> <p style="text-align: center;">A small spring in Frehner Canyon, bears N. <math>41^{\circ}11'</math> W., 5.31 chs. dist.</p>	
44.00	<p>Wash in bottom of Frehner Canyon, 30 lks. wide, 1 ft. deep, drains W.</p>	
51.60	<p>Small spur, slopes S. <math>10^{\circ}</math> W.; asc. over S. slope.</p>	
54.96	<p>Point for the <math>\frac{1}{4}</math> sec. cor. of sec. 30, T. 40 N., R. 14 W.</p> <p>Set the iron post 8 ins. in the ground, mound with stones to top, brass cap mkd.</p> <p style="text-align: center;">T40N R14W   <math>\frac{1}{4}</math> S30 1965</p>	
65.00	<p>Large spur, slopes SW.; thence by triangulation, over steep broken land putting W.</p>	
73.60	<p>End of triangulation, on spur sloping N. <math>60^{\circ}</math> W.; desc. over broken NW. slope.</p>	
79.20	<p>Point selected for the witness cor. of secs. 24 and 25.</p> <p>Set the iron post over an "X" cut in solid rock, mound with stones to top, brass cap mkd.</p> <p style="text-align: center;">T40N R15W R14W W C S24   S30 S25   1965</p>	
80.00	<p>True point for the cor. of secs. 24 and 25 falls on the N. face of ledge where the monument cannot be perpetuated.</p> <p>Land, broken W. slope of the Virgin Mountains. Soil, rocky and clay loam. Timber, moderate pinon and juniper. Undergrowth, greasewood, cacti, oak and manzanita.</p>	
14.96	<p>North, along the E. bdy. of sec. 24.</p> <p>Desc. over steep broken NW. slope through moderate timber.</p> <p>Point for the cor. of secs. 19 and 30, T. 40 N., R. 14 W.</p>	

CHAINS		
	<p>Set the iron post 4 ins. in the ground, mound with stones to top, brass cap mkd.</p> <p style="text-align: center;">                     T40N                      R15W   R14W                      S24   S19                      S30                      1965                 </p> <p>By triangulation, desc. along broken spur, sloping N. 10° W.</p>	
40.00	<p>Point for the ¼ sec. cor. of sec. 24; end of triangulation.</p> <p>Set the iron post 4 ins. in the ground, mound with stones to top, brass cap mkd.</p> <p style="text-align: center;">                     T40N                      R15W                      ¼                        S24                        1965                 </p> <p>Desc. over NE. slope.</p>	
42.00	<p>Wash, in bottom of canyon, 50 lks. wide, 1 ft. deep, drains irregularly N. 70° W.; a barrel at a small seep bears W., 1.00 ch. dist.</p> <p>Asc. over rocky finger spur sloping from the N.</p>	
54.96	<p>Point for the ¼ sec. cor. of sec. 19, T. 40 N., R. 14 W.</p> <p>Set the iron post 14 ins. in the ground, mound with stones to top, brass cap mkd.</p> <p style="text-align: center;">                     T40N                      R14W                      ¼                        S19                      1965                 </p>	
60.70	<p>Large spur, slopes W.; thence by triangulation.</p> <p>Desc. over steep broken NW. slope.</p>	
69.00	<p>Draw, drains W.; asc. over steep S. slope.</p>	
74.70	<p>End of triangulation, on spur sloping W.</p>	
78.40	<p>Small spur, slopes NW.</p>	
80.00	<p>Point for the cor. of secs. 13 and 24.</p> <p>Set the iron post 14 ins. in the ground, mound with stones to top, brass cap mkd.</p> <p style="text-align: center;">                     T40N                      R15W   R14W                      S13   S19                      S24                        1965                 </p> <p>Land, steep broken W. slope of the Virgin Mountains. Soil, rocky and clay loam. Timber, moderate to scattered pinon and juniper. Undergrowth, cacti, oak, manzanita and brigham tea.</p>	

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Survey of the East Bdy., Township 40 North, Range 15 West, Arizona

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6.

CHAINS		
	North, along the E. bdy. of sec. 13.	
	Over steep broken land through scattered timber.	
	By triangulation.	
5.00	Large draw, drains W.	
13.40	End of triangulation, on high rolling spur, sloping W.	
14.96	Point for the cor. of secs. 18 and 19, T. 40 N., R. 14 W.	
	Set the iron post 10 ins. in the ground, mound with stones to top, brass cap mkd.	
	T40N R15W   R14W   S18 S13   S19 1965	
	By triangulation, desc. over broken NW. slope.	
23.00	Wash, in bottom of Hedricks Canyon, drains irregularly SW.; asc. over steep and broken SE. slope.	
40.00	Point for the 1/4 sec. cor. of sec. 13, falls on ledge facing S. where the monument cannot be perpetuated.	
43.50	Point selected for the witness 1/4 sec. cor. of sec. 13; end of triangulation.	
	Set the iron post 6 ins. in the ground, mound with stones to top, brass cap mkd.	
	T40N R15W 1/4 S13 ↓ W C 1965	
50.90	W. side of saddle, bears NE. and W.; desc. over steep N. slope.	
54.96	Point for the 1/4 sec. cor. of sec. 18, T. 40 N., R. 14 W.	
	Set the iron post 8 ins. in the ground, mound with stones to top, brass cap mkd.	
	T40N R14W 1/4 S18 1965	
57.80	Spur, slopes sharply W.	
61.00	Spur, slopes sharply W.	
66.00	Small wash, drains W.	
67.30	Spur, slopes W.; desc. over steep NW. slope through moderate grove of timber.	
80.00	Point for the cor. of secs. 12 and 13.	



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7.

CHAINS	
	<p>Set the iron post over an "X" cut in solid rock, mound with stones to top, brass cap mkd.</p> <p style="text-align: center;">                     T40N                      R15W   R14W                      S12   S18                      S13                        1965                 </p> <p>The cor. is located in the bottom of a draw, draining SW.</p> <p>Land, broken W. slope of the Virgin Mountains.                      Soil, rocky and clay loam.                      Timber, one grove of pinon and juniper, widely scattered on remainder.                      Undergrowth, cacti, manzanita, oak and brigham tea.</p>
	<p>North, along the E. bdy. of sec. 12.</p> <p>Asc. over steep SE. slope.</p>
14.96	<p>Point for the cor. of secs. 7 and 18, T. 40 N., R. 14 W.</p>
	<p>Set the iron post over an "X" cut in solid rock, mound with stones to top, brass cap mkd.</p>
	<p style="text-align: center;">                     T40N                      R15W   R14W                      S12   S 7                      S18                        1965                 </p>
15.60	<p>Saddle on high broken spur, sloping NW. from N. 70° E.; desc. over steep broken NW. slope.</p>
23.10	<p>Asc. over ledges facing SW.</p>
25.80	<p>Spur, slopes NW.; desc. over steep NE. slope.</p>
40.00	<p>Point for the ¼ sec. cor. of sec. 12.</p>
	<p>Set the iron post over an "X" cut in solid rock, mound with stones to top, brass cap mkd.</p>
	<p style="text-align: center;">                     T40N                      R15W                      ¼                        S12                        1965                 </p>
42.00	<p>Draw, drains W. curving NW.</p>
47.00	<p>Spur, slopes W.; desc. over steep and broken N. slope.</p>
54.96	<p>Point for the ¼ sec. cor. of sec. 7, T. 40 N., R. 14 W. falls on steep N. slope where the monument cannot be perpetuated.</p>
60.00	<p>Point selected for the witness ¼ sec. cor. of sec. 7, T. 40 N., R. 14 W.</p>
	<p>Set the iron post 2 ins. in the ground over an "X" cut in bedrock, mound with stones to top, brass cap mkd.</p>

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Survey of the East Bdy., Township 40 North, Range 15 West, Arizona

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8.

CHAINS

T40N  
R14W  
↓ ¼  
S 7  
W. C  
1965

Thence by triangulation.

- 64.00 Wash, 1.00 ch. wide, 6 ins. deep, drains N. 30° E.
- 68.90 End of triangulation, on small spur sloping NE.; desc. over NE. slope.
- 79.00 Small spur, slopes E.
- 80.00 Point for the cor. of secs. 1 and 12.

Set the iron post 4 ins. in the ground, over an "X" cut in bedrock, mound with stones to top, brass cap mkd.

T40N  
R15W R14W  
S 1 | S 7  
S12 |  
1965

Land, steep and broken.  
Soil, shallow clay loam and rocky.  
No timber.  
Undergrowth, cacti, blackbrush, brigham tea, buckbrush and creosote brush.

North, along the E. bdy. of sec. 1.

Desc. over N. slope.

- 1.00 Wash, in bottom of Figure 4 Canyon, 1.00 ch. wide, 2 ft. deep, drains N. 50° W.; thence over gently rolling W. slope.
- 14.96 Point for the cor. of secs. 6 and 7, T. 40 N., R. 14 W.

Set the iron post 4 ins. in the ground, mound with stones to top, brass cap mkd.

T40N  
R15W | R14W  
S 1 | S 6  
S 7  
1965

- 32.00 Draw, drains SW.; asc. over S. slope.
- 40.00 Point for the ¼ sec. cor. of sec. 1.

Set the iron post 4 ins. in the ground, mound with stones to top, brass cap mkd.

T40N  
R15W  
¼ |  
S 1 |  
1965

Asc. over steep S. slope.

<p>CHAINS</p> <p>53.40</p> <p>54.96</p> <p>78.20</p> <p>79.60</p> <p>80.06</p> <p>10.00</p> <p>35.00</p> <p>40.00</p>	<p>Rocky spur, slopes S. 60° W.; desc. over broken NW. slope.</p> <p>Point for the ¼ sec. cor. of sec. 6, T. 40 N., R. 14 W.</p> <p>Set the iron post over an "X" cut in solid rock, mound with stones to top, brass cap mkd.</p> <div style="text-align: center;"> <p>T40N</p> <p>R14W</p> <p>     </p> <p>      ¼</p> <p>      S 6</p> <p>1965</p> </div> <p>Draw, drains S. 80° W.</p> <p>Rocky spur, slopes W.</p> <p>Intersect the S. bdy. of sec. 31, T. 41 N., R. 14 W. (Tenth Standard Parallel North).</p> <p>Point for the closing cor. of T. 40 N., Rs. 14 and 15 W.</p> <p>Set the iron post 6 ins. in the ground, mound with stones to top, brass cap mkd.</p> <div style="text-align: center;"> <p>T41N R14W</p> <p>    S31</p> <p>    —</p> <p>    S 1   S 6</p> <p>    R15W   R14W</p> <p>    T40N</p> <p>    C C</p> <p>1965</p> </div> <p>From this cor., the standard ¼ sec. cor. of sec 31, T. 41 N., R. 14 W., bears E., 10.34 chs. dist., previously described.</p> <p>Land, mountainous. Soil, clay loam and rocky. No timber. Undergrowth, creosote brush and cacti.</p> <hr/> <p style="text-align: center;">Subdivision, Township 40 North, Range 15 West, Arizona</p> <hr/> <p>From the cor. of secs. 35 and 36 on the S. bdy. of the Tp., monumented by an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the official record of the 1960 survey.</p> <p>N. 0°01' W., bet. secs. 35 and 36.</p> <p>Over broken mountainous land through scattered timber.</p> <p>By triangulation, desc. over steep broken N. slope.</p> <p>Draw, drains NW.; desc. over broken land, sloping NW.</p> <p>Wash, in bottom of Boulder Canyon, 15 lks. wide, 2 ft. deep, drains S. 80° W. curving to NW.; asc. over S. slope.</p> <p>Point for the ¼ sec. cor. of secs. 35 and 36; end of triangulation.</p> <p>Set the iron post 8 ins. in the ground, mound with stones to top, brass cap mkd.</p>
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Subdivision, Township 40 North, Range 15 West, Arizona

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10.

CHAINS		
	<p style="text-align: center;">T40N R15W  <math>\frac{1}{4}</math>                      S35 S36                      1965</p> <p>43.80 Spur, slopes W.; thence by triangulation.</p> <p>48.00 Draw, drains W.</p> <p>51.00 Spur, slopes W.</p> <p>56.50 Large draw, drains W.</p> <p>71.90 Spur, slopes W.; desc. over broken NE. slope.</p> <p>72.40 End of triangulation.</p> <p>80.00 Point for the cor. of secs. 25, 26, 35 and 36.</p>	
	<p style="text-align: center;">Set the iron post 4 ins. in the ground, mound with stones to top, brass cap mkd.</p> <p style="text-align: center;">T40N R15W                      S26 S25                      S35 S36                      1965</p> <p>Land, steep and broken.                      Soil, rocky and shallow clay loam.                      Timber, scattered juniper and pinon.                      Undergrowth, cacti, blackbrush, creosote and oak.</p>	
	<p>From the cor. of secs. 25 and 36 on the E. bdy. of the Tp.</p> <p>S. 89°53' W., bet. secs. 25 and 36.</p> <p>Over steep broken W. slope of the Virgin Mountains; asc. over E. slope through moderate timber.</p> <p>2.50 Spur, slopes N.; thence by triangulation, desc. over steep and broken land, facing NW.</p> <p>21.00 Spur, slopes N. 15° W.</p> <p>37.80 End of triangulation on rocky spur, sloping N.</p> <p>40.04 Point for the <math>\frac{1}{4}</math> sec. cor. of secs. 25 and 36.</p>	
	<p style="text-align: center;">Set the iron post 8 ins. in the ground, mound with stones to top, brass cap mkd.</p> <p style="text-align: center;">T40N R15W  <math>\frac{1}{4}</math> S25                      S36                      1965</p> <p>Continue along broken N. slope.</p> <p>48.40 Large spur, slopes NW.; thence by triangulation, desc. over steep W. slope through scattered timber.</p> <p>80.08 The cor. of secs. 25, 26, 35 and 36; end of triangulation.</p>	

CHAINS	
	<p>Land, steep and broken. Soil, shallow clay loam and rocky. Timber, moderate to scattered juniper and pinon. Undergrowth, cacti, creosote brush, blackbrush, manzanita and oak.</p>
	<p>N. 0°01' W., bet. secs. 25 and 26.</p> <p>Desc. over steep and broken NW. slope.</p>
0.70	Wash, 10 lks. wide, 1 ft. deep, drains W.
7.20	Spur, slopes W.
15.90	Bottom of draw, drains SW.
24.50	Spur, slopes SW.
34.50	Spur, slopes N. 30° W.
38.10	Small draw, drains N. 15° W. curving to N.
40.00	Point for the ¼ sec. cor. of secs. 25 and 26.
	<p>Set the iron post 4 ins. in the ground, mound with stones to top, brass cap mkd.</p> <p style="text-align: center;">T40N R15W  <math>\frac{1}{4}</math>  S26   S25  1965</p>
	<p>Thence by triangulation.</p>
49.00	Same draw, drains NE. curving to N.
58.00	Same draw, drains NW.
60.00	Small spur, slopes NW.
68.50	Large rocky spur, slopes NW.; end of triangulation. Desc. over N. slope.
77.80	Wash, in bottom of Frehner Canyon, 25 lks. wide, 2 ft. deep, drains N. 80° W.
80.00	Point for the cor. of secs. 23, 24, 25 and 26.
	<p>Set the iron post 15 ins. in the ground, mound with stones to top, brass cap mkd.</p> <p style="text-align: center;">T40N R15W  S23   S24  S26   S25  1965</p>
	<p>Land, steep and broken. Soil, rocky and shallow clay loam. No timber. Undergrowth, creosote brush, cacti, manzanita and blackbrush.</p>
	<p>From the true point for the cor. of secs. 24 and 25 on the E. bdy. of the Tp.</p> <p>S. 89°59' W., bet. secs. 24 and 25.</p>

CHAINS		
	Desc. over steep broken NW. slope through moderate timber.	
6.70	Draw, drains N.	
12.30	Spur, slopes NW.; leave timber, desc. over steep SW. slope.	
18.90	Draw, drains S.	
24.60	Spur, slopes S. 15° W.	
38.80	Draw, drains SW.; asc. over SE. slope.	
40.00	Point for the ¼ sec. cor. of secs. 24 and 25.  Set the iron post 14 ins. in the ground, mound with stones to top, brass cap mkd.  T40N R15W ¼ S24 S25 1965	
48.10	Spur, slopes S. 10° W.; by triangulation, desc. over broken land draining SW. into Frehner Canyon.	
80.00	The cor. of secs. 23, 24, 25 and 26. End of triangulation.  Land, steep and broken. Soil, rocky and shallow clay. Timber, moderate juniper and pinon on E. 12.50 chs. Undergrowth, creosote brush, cacti, oak brush and manzanita.	
	N. 0°01' W., bet. secs. 23 and 24.  Over mountainous land by triangulation.	
13.60	Spur, slopes S. 20° W.	
24.40	End of triangulation on spur sloping N. 70° W.; desc. over N. slope.	
30.80	Spur, slopes NW.; desc. NW. slope.	
39.40	Spur, slopes N. 30° W.	
40.00	Point for the ¼ sec. cor. of secs. 23 and 24.  Set the iron post 12 ins. in the ground, mound with stones to top, brass cap mkd.  T40N R15W ¼ S23   S24 1965	
	Desc. over steep and broken NW. slope.	
61.80	Spur, slopes NW.	
73.30	Wash, in bottom of Hedricks Canyon, 50 lks. wide, 6 ins. deep, drains N. 60° W.; asc. over rolling SW. slope.	
80.00	Point for the cor. of secs. 13, 14, 23 and 24.	

CHAINS		
	<p>Set the iron post 10 ins. in the ground, mound with stones to top, brass cap mkd.</p> <p style="text-align: center;">T40N R15W  <math>\frac{S14}{S23}   \frac{S13}{S24}</math>                      1965</p> <p>Land, steep and broken.                      Soil, rocky and shallow clay loam.                      No timber.                      Undergrowth, creosote brush, cacti and blackbrush.</p>	
	<p>From the cor. of secs. 13 and 24 on the E. bdy. of the Tp.</p> <p>S. 89°52' W., bet. secs. 13 and 24.</p> <p>Desc. over mountainous land through scattered timber.</p>	
20.60	Wash, 40 lks. wide, 4 ft. deep, drains SW.	
24.40	Wash, 20 lks. wide, 6 ft. banks, drains SW.	
30.20	Wash, in bottom of Hedricks Canyon, 30 lks. wide, 3 ft. deep, drains SW.	
33.70	Wash, 20 lks. wide, 2 ft. deep, drains S. 10° W.; asc. over SE. slope.	
38.90	Spur, slopes SW.	
39.96	Point for the $\frac{1}{4}$ sec. cor. of secs. 13 and 24.	
	<p>Set the iron post 12 ins. in the ground, mound with stones to top, brass cap mkd.</p> <p style="text-align: center;">T40N R15W  <math>\frac{1}{4} \frac{S13}{S24}</math>                      1965</p> <p>By triangulation, desc. over rolling mountainous land, draining SW. to Hedricks Canyon.</p>	
79.92	<p>The cor. of secs. 13, 14, 23 and 24; end of triangulation.</p> <p>Land, steep and mountainous on E. <math>\frac{1}{2}</math> mile, rolling on remainder.                      Soil, rocky clay loam.                      Timber, scattered juniper on E. <math>\frac{1}{2}</math> mile.                      Undergrowth, cacti, brigham tea, oak brush and creosote brush.</p>	
	<p>N. 0°01' W., bet. secs. 13 and 14.</p> <p>Over rolling mountainous land through moderate undergrowth.</p>	
1.90	Spur, slopes W.	
3.10	Draw, drains W.	
5.80	Draw, drains S. 30° W.	

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Subdivision, Township 40 North, Range 15 West, Arizona

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14.

CHAINS

- 7.85 Spur, slopes S. 80° E.
- 9.50 Mine shaft bears W., 1.53 chs. dist.
- 17.70 Wash, 15 lks. wide, 1 ft. deep, drains W.
- 21.70 Spur, slopes N. 80° W.
- 24.60 Draw, drains W.
- 28.50 Spur, slopes N. 70° W.
- 37.00 Spur, slopes NW.
- 37.80 Wash, 15 lks. wide, 1 ft. deep, drains NW.
- 40.00 Point for the ¼ sec. cor. of secs. 13 and 14.  
Set the iron post 16 ins. in the ground, mound with stones to top, brass cap mkd.  
  
T40N R15W  
¼  
S14|S13  
1965  
  
Build a mound with stones W. of the iron post.
- 45.60 Draw, drains NW.
- 49.40 Draw, drains N. 70° W.
- 63.20 High rocky spur, projects W.; desc. over N. slope.
- 72.00 Wash, 25 lks. wide, 6 ins. deep, drains N. 70° W.
- 78.60 Narrow rocky outcrop, slopes S. 70° W.
- 80.00 Point for the cor. of secs. 11, 12, 13 and 14.  
Set the iron post 6 ins. in the ground, mound with stones to top, brass cap mkd.  
  
T40N R15W  
S11|S12  
S14|S13  
1965  
  
Land, rolling and broken.  
Soil, rocky and clay loam.  
No timber.  
Undergrowth, creosote brush and cacti.

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- From the cor. of secs. 12 and 13 on the E. bdy. of the Tp.  
S. 89°52' W., bet. secs. 12 and 13.  
  
Over steep broken west slope of the Virgin Mountains, by triangulation and traverse, topography as scaled from topographic sheet.  
  
Desc. along draw, draining W.
- 6.00 Draw, curves to SW.



CHAINS		
12.00	Spur, slopes S. 30° W.	
20.00	Rocky spur, slopes S.; desc. over steep and broken W. slope.	
30.42	<p>Point selected for the witness <math>\frac{1}{4}</math> sec. cor. of secs. 12 and 13; end of triangulation and traverse.</p> <p>Set the iron post 6 ins. in the ground, mound with stones to top, brass cap mkd.</p>	
<p>T40N R15W  <math>\frac{1}{4}</math> W ← S12  C S13  1965</p>		
40.02	<p>True point for the <math>\frac{1}{4}</math> sec. cor. of secs. 12 and 13 falls on steep ledge facing SW. where the monument cannot be perpetuated.</p> <p>Thence by traverse and triangulation.</p>	
44.00	Draw, drains NW.	
47.00	Spur, slopes N. 30° W.	
58.00	Small spur, slopes N.	
70.00	Large draw, drains SW.	
80.04	<p>The cor. of secs. 11, 12, 13 and 14; end of traverse and triangulation.</p> <p>Land, steep and broken on E. 70.00 chs.  Soil, rocky and clay loam.  No timber.  Undergrowth, creosote brush, cacti and blackbrush.</p>	
<p>N. 0°10' E., bet. secs. 11 and 12.  Over rolling and broken land, by triangulation.</p>		
8.00	Spur, slopes W.	
20.00	Draw, drains NW.	
37.80	Rocky spur, projects W.; end of triangulation.	
37.92	<p>Point selected for the witness <math>\frac{1}{4}</math> sec. cor. of secs. 11 and 12.</p> <p>Set the iron post over an "X" cut in solid rock, mound with stones to top, brass cap mkd.</p>	
<p>T40N R15W  <math>\frac{1}{4}</math>  W C  S11 ↑ S12  1965</p>		
40.04	Desc. over steep ledgy NW. slope.	
40.04	<p>True point for the <math>\frac{1}{4}</math> sec. cor. of secs. 11 and 12 falls on precipitous NW. slope where the monument cannot be perpetuated. Thence by triangulation.</p>	
52.00	Enter gently rolling land, sloping NW.	

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Subdivision, Township 40 North, Range 15 West, Arizona

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CHAINS	
60.00	Slope and drainage changes to W.
80.08	<p>The cor. of secs. 1, 2, 11 and 12, monumented by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record of the 1912 survey. End of triangulation.</p> <p>Land, steep and broken on S. 52.00 chs., gently rolling on remainder. Soil, rocky and clay loam. No timber. Undergrowth, creosote brush, cacti and blackbrush.</p>
	<p>From the cor. of secs. 1 and 12 on the E. bdy. of the Tp.</p> <p>S. 89°52' W., bet. secs. 1 and 12.</p> <p>Asc. over ledgy NE. slope.</p>
5.20	Rocky point, projects N.; desc. along broken N. slope.
18.20	Spur, slopes N. 30° E.
25.50	Wash, 20 lks. wide, 1 ft. deep, drains NW.
39.77	<p>Point for the <math>\frac{1}{4}</math> sec. cor. of secs. 1 and 12.</p> <p>Set the iron post 12 ins. in the ground, mound with stones to top, brass cap mkd.</p> <p style="text-align: center;">T40N R15W <math>\frac{1}{4}</math> <math>\frac{S 1}{S 12}</math> 1965</p> <p>Desc. over NW. slope, by triangulation.</p>
52.00	Slope changes to W.
60.70	Wash, 20 lks. wide, 1 ft. deep, drains S. 60° W.
61.40	End of triangulation.
79.54	<p>The cor. of secs. 1, 2, 11 and 12.</p> <p>Land, broken on E. 52.00 chs., rolling on remainder. Soil, rocky and clay loam. No timber. Undergrowth, creosote brush, cacti and blackbrush.</p>
	<p>The point for the <math>\frac{1}{4}</math> sec. cor. of sec. 1 on the N. bdy. of the Tp. is at mid-point bet. the closing cors.</p> <p>Set the iron post 8 ins. in the ground, mound with stones to top, brass cap mkd.</p> <p style="text-align: center;"><math>\frac{1}{4}</math> S 1 T40N R15W 1965</p> <p>From this cor., the true point for the standard cor. of T. 41 N., Rs. 14 and 15 W., bears East, 10.06 chs. dist. The standard Tp. cor. is witnessed 15 lks. West of the true point, by an iron post 3 ins. diam., previously described.</p>

CHAINS	
	<p>From the cor. of secs. 34 and 35, on the S. bdy. of the Tp., monumented by an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the official record of the 1960 survey.</p> <p>N. 0°01' W., bet. secs. 34 and 35.</p> <p>Over rolling land, sloping to the W.</p>
2.70	Spur, slopes N. 70° W.
6.70	Draw, drains N. 70° W.
10.00	Spur, slopes N. 70° W.
12.90	Spur, slopes N. 70° W.
14.20	Small draw, drains N. 70° W.
17.10	Spur, slopes N. 60° W.
19.70	Draw, drains N. 70° W.
23.50	Spur, slopes N. 80° W.
26.70	Spur, slopes N. 80° W.
29.70	Draw, drains N. 70° W.
33.80	Draw, drains S. 30° W.
36.50	Spur, slopes SW.
40.00	<p>Point for the ¼ sec. cor. of secs. 34 and 35.</p> <p>Set the iron post 15 ins. in the ground, mound with stones to top, brass cap mkd.</p> <p style="text-align: center;">T40N R15W  <math>\frac{1}{4}</math>            S34   S35            1965</p>
40.30	Spur, slopes N. 70° W.
61.00	Bladed road, bears E. and W.
72.00	Wash, in bottom of Boulder Canyon, 15 lks. wide, 3 ft. deep, drains NW.
80.00	<p>Point for the cor. of secs. 26, 27, 34 and 35.</p> <p>Set the iron post 10 ins. in the ground, mound with stones to top, brass cap mkd.</p> <p style="text-align: center;">T40N R15W            S27   S26            S34   S35            1965</p> <p>The cor. is located on a spur, sloping S. 80° W.</p> <p>Land, rolling.            Soil, clay loam and rocky.            No timber.            Undergrowth, creosote brush, cacti and blackbrush.</p>

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Subdivision, Township 40 North, Range 15 West, Arizona

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18.

CHAINS	
	<p>From the cor. of secs. 25, 26, 35 and 36.</p> <p>N. 89°53' W., bet. secs. 26 and 35.</p> <p>Desc. over broken land on the W. slope of the Virgin Mountains.</p>
6.30	Small spur, slopes N. 15° W.
10.20	Draw, drains N. 15° W.
16.10	Spur, slopes NW.
22.60	Draw, drains N. 20° W.
32.20	Spur, slopes NW. for 1.00 ch., thence slopes W.
40.13	<p>Point for the ¼ sec. cor. of secs. 26 and 35.</p> <p>Set the iron post 12 ins. in the ground, mound with stones to top, brass cap mkd.</p> <p style="text-align: center;">T40N R15W ¼ <math>\frac{S26}{S35}</math> 1965</p>
54.00	Spur, slopes S. 30° W.
59.90	Draw, drains SW.
62.60	Spur, slopes SW.; desc. over general W. slope.
80.26	<p>The cor. of secs. 26, 27, 34 and 35.</p> <p>Land, rolling and broken. Soil, rocky clay loam. Timber, scattered juniper on E. 20 chs., none on remainder. Undergrowth, creosote brush, cacti and blackbrush.</p>
	<p>N. 0°01' W., bet. secs. 26 and 27.</p> <p>Over rolling land through moderate undergrowth.</p>
5.60	Spur, slopes N. 60° W.
10.60	Wash, 40 lks. wide, 1 ft. deep, drains N. 60° W.
15.50	Spur, slopes W.
23.10	Draw, drains W.
28.10	Spur, slopes N. 70° W.
32.30	Draw, drains W.
35.00	Spur, slopes N. 70° W.
40.00	<p>Point for the ¼ sec. cor. of secs. 26 and 27.</p> <p>Set the iron post 12 ins. in the ground, mound with stones to top, brass cap mkd.</p> <p style="text-align: center;">T40N R15W ¼ <math>\frac{S27}{S26}</math> 1965</p>

CHAINS	
	The cor. is located on a small spur, sloping N. 60° W.
44.50	Wash, 20 lks. wide, 1 ft. deep, drains W.
48.20	Spur, slopes W.
53.70	Wash, 20 lks. wide, 1 ft. deep, drains N. 80° W.
59.90	Spur, slopes NW.; desc. over gently rolling land.
66.30	Wash, 10 lks. wide, 1 ft. deep, drains N. 80° W.
69.30	Spur, slopes N. 75° W.
72.70	Draw, drains S. 80° W.
76.90	Bladed road, bears E. and W.
78.00	Bladed road, bears NE. and SW.
80.00	Point for the cor. of secs. 22, 23, 26 and 27.
	Set the iron post 15 ins. in the ground, mound with stones to top, brass cap mkd.
	T40N R15W S22   S23 S27   S26 1965
	Land, rolling. Soil, rocky and clay loam. No timber. Undergrowth, creosote brush, cacti and blackbrush.
	From the cor. of secs. 23, 24, 25 and 26.
	N. 89°47' W., bet. secs. 23 and 26.
	Over broken W. slope of the Virgin Mountains.
	Desc. along rolling S. slope.
2.40	Draw, drains SW. about 2.00 chs. to Frehner Canyon.
9.00	Wash, in bottom of Frehner Canyon, 30 lks. wide, 1 ft. deep, drains N. 60° W.
14.00	Small wash in bottom of draw, drains NW. about 1.50 chs. to Frehner Canyon; desc. over rolling land putting W.
40.13	Point for the ¼ sec. cor. of secs. 23 and 26.
	Set the iron post 22 ins. in the ground, brass cap mkd.
	T40N R15W ¼ S23 S26 1965
	Build a mound with stones N. of the iron post.
41.60	Draw, drains N. 70° W. about 1.50 chs., thence W.
54.30	Wash, 5 lks. wide, 1 ft. deep, drains S. 75° W.
69.70	Same wash, drains irregularly W.

CHAINS	
77.50	Same wash, drains N. 80° W.
78.40	Bladed road, bears NE. and SW.
80.26	The cor. of secs. 22, 23, 26 and 27.
	Land, rolling and broken. Soil, rocky and clay loam. No timber. Undergrowth, creosote brush, cacti and blackbrush.
	N. 0°09' E., bet. secs. 22 and 23.  Over rolling land, sloping NW.
0.90	Wash, 10 lks. wide, 1 ft. deep, drains N. 80° W.
3.50	Small draw, drains SW.
22.30	Bladed road, bears SE. and NW.
34.50	Wash, in Frehner Canyon, 20 lks. wide, 1 ft. deep, drains N. 60° W.
40.01	Point for the ¼ sec. cor. of secs. 22 and 23.
	Set the iron post 18 ins. in the ground, mound with stones to top, brass cap mkd.
	T40N R15W ¼ S22   S23 1965
	Build a mound with stones W. of the iron post.
41.60	Draw, drains N. 70° W.
52.20	Bladed road, bears N. 30° E. and S. 30° W.
68.10	Large wash, 50 lks. wide, 2 ft. deep, drains N. 80° W.
79.40	Bladed road, bears S. 60° E. and NW.
80.02	The cor. of secs. 14, 15, 22 and 23, monumented by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record of the 1912 survey.
	Land, gently rolling. Soil, rocky and clay loam. No timber. Undergrowth, creosote brush, cacti and blackbrush.
	From the cor. of secs. 13, 14, 23 and 24.  N. 89°48' W., bet. secs. 14 and 23.  Desc. over mountainous land, sloping W.
16.30	Wash, in bottom of Hedricks Canyon, 1.00 ch. wide, 2 ft. deep, drains N. 60° W.
30.00	Wash, 10 lks. wide, 2 ft. deep, drains N. 70° W.

CHAINS	
39.99	<p>Point for the <math>\frac{1}{4}</math> sec. cor. of secs. 14 and 23.</p> <p>Set the iron post 8 ins. in the ground, mound with stones to top, brass cap mkd.</p> <p style="text-align: center;">T40N R15W <math>\frac{1}{4}</math> <math>\frac{S14}{S23}</math> 1965</p>
44.50	Bladed road, bears SE. and NW.; desc. over gentle W. slope.
79.98	<p>The cor. of secs. 14, 15, 22 and 23.</p> <p>Land, rolling and broken. Soil, rocky clay loam. No timber. Undergrowth, creosote brush, cacti, brigham tea and blackbrush.</p>
	<p>From the cor. of secs. 11, 12, 13 and 14.</p> <p>N. 89°54' W., bet. secs. 11 and 14.</p> <p>Desc. over broken land, sloping SW.</p>
4.40	Spur, slopes S. 30° W.
12.30	Spur, slopes SW.; desc. over NW. slope.
37.00	Wash, 10 lks. wide, 2 ft. deep, drains N. 60° W.
39.93	<p>Point for the <math>\frac{1}{4}</math> sec. cor. of secs. 11 and 14.</p> <p>Set the iron post 8 ins. in the ground, mound with stones to top, brass cap mkd.</p> <p style="text-align: center;">T40N R15W <math>\frac{1}{4}</math> <math>\frac{S11}{S14}</math> 1965</p>
	Desc. over gentle rolling NW. slope.
79.86	<p>The cor. of secs. 10, 11, 14 and 15, monumented by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record of the 1912 survey.</p> <p>Land, gently rolling on W. 60 chs., broken on remainder. Soil, rocky and clay loam. No timber. Undergrowth, creosote brush, cacti and blackbrush.</p>
	<p>From the true point for the cor. of secs. 33 and 34 on the S. bdy. of the Tp., from which its witness cor. bears W., 63 lks. dist., monumented by an iron post, 2<math>\frac{1}{2}</math> ins. diam., set, mkd. and witnessed as described in the official record of the 1960 survey.</p>
	N. 0°02' W., bet. secs. 33 and 34.
	Over rolling land through moderate undergrowth; desc. over N. slope.

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Subdivision, Township 40 North, Range 15 West, Arizona

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CHAINS		
0.90	Wash, 15 lks. wide, 2 ft. deep, drains N. 60° W. from S. 85° E.; continue over gently rolling land, draining NW.	
10.60	Bladed road, bears NE. and SW.	
40.00	Point for the ¼ sec. cor. of secs. 33 and 34.  Set the iron post 16 ins. in the ground, mound with stones to top, brass cap mkd.	
	T40N R15W ¼ S33 S34 1965	
49.90	Small wash, drains NW.	
54.80	Small wash, drains NW.	
60.00	Small wash, drains NW.	
63.50	Small wash, drains N. 80° W.	
67.40	Wash, 10 lks. wide, 1 ft. deep, drains S. 80° W.	
73.80	Small wash, drains W.	
78.90	Small wash, drains W.	
80.00	Point for the cor. of secs. 27, 28, 33 and 34.  Set the iron post 20 ins. in the ground, brass cap mkd.	
	T40N R15W S28 S27 S33 S34 1965	
	Build a mound with stones W. of the iron post.  Land, rolling. Soil, rocky, gravelly with sandy clay loam. No timber. Undergrowth, creosote brush, brigham tea, cacti and blackbrush.	
	From the cor. of secs. 26, 27, 34 and 35.	
	N. 89°54' W., bet. secs. 27 and 34.	
	Over gently rolling land, sloping NW.	
7.20	Wash, 20 lks. wide, 1 ft. deep, drains N. 50° W.	
9.90	Boulder Canyon wash, 15 lks. wide, 1 ft. deep, drains N. 10° W.	
21.90	Bladed road, bears N. 40° E. and S. 80° E.	
24.40	Wash, 10 lks. wide, 2 ft. deep, drains NW.	
40.01	Point for the ¼ sec. cor. of secs. 27 and 34.  Set the iron post 18 ins. in the ground, brass cap mkd.	



CHAINS	
	<p style="text-align: center;">T40N R15W  <math>\frac{1}{4}</math> <math>\frac{S27}{S34}</math>                      1965</p> <p>Build a mound with stones N. of the iron post.</p>
65.40	Track road, bears N. and S.
72.10	Wash, 10 lks. wide, 1 ft. deep, drains N. 80° W.
78.90	Same wash, drains SW.
80.02	The cor. of secs. 27, 28, 33 and 34.
	<p>Land, rolling.                      Soil, rocky, gravelly sandy clay loam.                      No timber.                      Undergrowth, creosote brush, cacti and blackbrush.</p>
	<p>N. 0°02' W., bet. secs. 27 and 28.</p> <p>Over rolling land through moderate undergrowth.</p>
0.80	Small wash, drains S. 80° W.
6.40	Small wash, drains W.
32.00	Small wash, drains N. 70° W.
40.05	Point for the $\frac{1}{4}$ sec. cor. of secs. 27 and 28.
	<p>Set the iron post 2 ins. in the ground, mound with stones to top, brass cap mkd.</p>
	<p style="text-align: center;">T40N R15W  <math>\frac{1}{4}</math> <math>\frac{S28}{S27}</math>                      1965</p>
40.90	Wash, 10 lks. wide, 1 ft. deep, drains N. 80° W.
51.00	Small wash, drains N. 75° W.
65.90	Wash, 10 lks. wide, 1 ft. deep, drains W.
76.00	Small wash, drains N. 80° W.
80.10	The cor. of secs. 21, 22, 27 and 28, monumented by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record of the 1912 survey.
	<p>Land, rolling.                      Soil, rocky, gravelly clay loam.                      No timber.                      Undergrowth, creosote brush, cacti and blackbrush.</p>
	<p>From the cor. of secs. 22, 23, 26 and 27.</p> <p>N. 89°47' W., bet. secs. 22 and 27.</p> <p>Desc. over rolling land, draining NW.</p>
1.90	Wash, 10 lks. wide, 1 ft. deep, drains N. 80° W.

CHAINS	
39.98	Point for the ¼ sec. cor. of secs. 22 and 27.
	Set the iron post 14 ins. in the ground, mound with stones to top, brass cap mkd.
	T40N R15W ¼ $\frac{S22}{S27}$ 1965
63.00	Boulder Canyon wash, 1.00 ch. wide, 1 ft. deep, drains NW.
79.96	The cor. of secs. 21, 22, 27 and 28.
	Land, rolling. Soil, rocky, gravelly clay loam. No timber. Undergrowth, creosote brush, cacti and blackbrush.
	From the cor. of secs. 27, 28, 33 and 34.
	S. 89°57' W., bet. secs. 28 and 33.
	Over rolling land, general NW. drainage and exposure.
2.00	Small wash, drains S. 80° W.
20.30	Wash, 30 lks. wide, 2 ft. deep, drains NW.
26.40	Small wash, drains N. curving to NW.
39.50	Wash, 10 lks. wide, 1 ft. deep, drains NW.
40.05	Point for the ¼ sec. cor. of secs. 28 and 33.
	Set the iron post 10 ins. in the ground, mound with stones to top, brass cap mkd.
	T40N R15W ¼ $\frac{S28}{S33}$ 1965
55.40	Wash, 25 lks. wide, 1 ft. deep, drains NW.
62.80	Small wash, drains N. 15° W.
65.00	Small wash, drains N. 15° W.
77.50	Wash, 10 lks. wide, 1 ft. deep, drains N. 20° W.
80.10	The cor. of secs. 28, 29, 32 and 33, monumented by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record of the 1912 survey.
	Land, rolling. Soil, rocky, gravelly sandy clay loam. No timber. Undergrowth, creosote brush, cacti and blackbrush.

CHAINS

## General Description

The portion of Township 40 North, Range 15 West, included in this survey, lies along the west slope of the Virgin Mountains. The land is steep rolling bench land in the western part of this survey, becoming progressively more rough and broken in the east and southeast portions of the township. The soil on the mountains is shallow clay loam with numerous ledges and rock outcrops. The steep rolling bench land is alluvial gravel with granite, quartz and limestone boulders strewn over the surface.

Elevations range from about 2400 feet above sea level in section 33, to 6400 feet in section 36. Moderate juniper and pinon are found at the higher elevations in sections 24, 25, 35 and 36, with manzanita and oak the principal undergrowth. No timber grows at the lower elevations, and creosote brush, cacti and blackbrush are the predominant vegetation.

Figure 4 Canyon in the northeast, Hedricks and Frehner Canyons in the east central, and Boulder Canyon in the southeast part of the township, drain the area northwest, emptying into the Virgin River.

A bladed road (jeep trail) branches off from the road to Hancock Canyon, near the corner of sections 33 and 34 on the south boundary of the township; this road follows the contours northerly through the township with dead end trail roads branching off into the main canyons.

Grazing of livestock on the bench land and along the canyons is the primary interest at present.

An old mine shaft was noted in section 14, but no recent mineral activity was in evidence during this survey.

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CHAINS		

BOOK 4779

Form 4-680  
(June 1963)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Gary T. Oviatt	Notekeeper
Loyal E. Steel	Front Chainman
James E. Muth	Flagman
Willie D. Bettis	Cornerman
John Kirkland	Axman

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BOOK 4779

CERTIFICATE OF SURVEY

We, ~~z~~ Boyd S. Owens and Wallace R. Ott, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 14 day of April, 19 64, we khave retraced the north boundary of section 1, Township 40 North, Range 15 West; surveyed the east boundary of Township 40 North, Range 15 West and established corners for the west boundary of Township 40 North, Range 14 West, and surveyed the subdivisional lines, completing the subdivision of Township 40 North, Range 15 West

of the Gila and Salt River Meridian, in the State of Arizona, which are represented in the foregoing field notes as having been executed by ~~us~~ and under ~~my~~ <sup>our</sup> direction; and that said survey has been made in strict conformity with said special instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in specific manner described in the foregoing field notes.

November 18, 1966  
(Date)

*Boyd S. Owens*  
(Cadastral Surveyor)

November 18, 1966  
(Date)

*Wallace R. Ott*  
(Cadastral Surveyor)  
(Surveying Technician)

CERTIFICATE OF APPROVAL

SUBMITTED FOR APPROVAL  
Date DEC 21 1966

BUREAU OF LAND MANAGEMENT,  
Washington, D. C.

The foregoing field notes of the retracement of the north boundary of section 1, Township 40 North, Range 15 West, survey of the east boundary of Township 40 North, Range 15 West with establishment of corners for the west boundary of Township 40 North, Range 14 West, and completion of subdivisional lines of Township 40 North, Range 15 West, Gila and Salt River Meridian, Arizona, executed by Boyd S. Owens, Cadastral Surveyor and Wallace R. Ott, Surveying Technician, having been critically examined and found correct, are hereby approved.

FEB 2 8 1967  
(Date)

*E. J. Livingston*  
(Chief, Division of Engineering)

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.

\_\_\_\_\_  
(Date)

\_\_\_\_\_  
(Chief, Division of Engineering)