

Form 9180-6  
(April 1974)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD NOTES

of the \_\_\_\_\_  
 DEPENDENT RESURVEY \_\_\_\_\_  
 of a \_\_\_\_\_  
 PORTION of the WEST BOUNDARY \_\_\_\_\_  
 and \_\_\_\_\_  
 SUBDIVISIONAL LINES \_\_\_\_\_  
 and the \_\_\_\_\_  
 SURVEY of the \_\_\_\_\_  
 SUBDIVISION of SECTION 18 \_\_\_\_\_  
 TOWNSHIP 7 SOUTH, RANGE 20 EAST \_\_\_\_\_  
 \_\_\_\_\_  
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Of the Gila and Salt River \_\_\_\_\_ Meridian,  
 In the State of Arizona \_\_\_\_\_

EXECUTED BY

Paul G. Bauer \_\_\_\_\_ Cadastral Surveyor \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Under special instructions dated June 10, 1974, approved June 11, 1974,

\_\_\_\_\_, which provided for the surveys included under U.S. Survey/Group  
 Number 567, and assignment instructions dated June 10, 1974.

Survey commenced June 18, 1974  
 Survey completed June 21, 1974

BOOK 5004

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## Dependent Resurvey of T. 7 S., R. 20 E., G&amp;SRM., Arizona

## CHAINS

The history of surveys of section 18, Township 7 South, Range 20 East, Gila and Salt River Meridian, Arizona, is as follows:

Section 18 was surveyed in 1877 by Theodore F. White. The south and west boundaries were resurveyed in 1968 by Louis D. Gilbert.

The following field notes describe the dependent resurvey of a portion of the west boundary and subdivisional lines and the subdivision of section 18.

The survey was executed in accordance with specifications set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions for Group No. 567, Arizona, dated June 10, 1974,

Preliminary to the resurvey the lines of the original survey were retraced and search was made for all corners and other calls of the record. Identified corners were remonumented in their original positions; lost corners were restored and monumented at proportionate positions based on the original record. The retracement data were thoroughly verified and only the true line field notes are given herein.

The direction of lines were determined by solar instrument methods and by means of fore- and backsights and angular deflections from azimuths obtained by direct solar observations.

The geographic position of the southeast corner of section 18, as determined from a traverse from U.S.C.&G.S. triangulation station "KLONDYKE, 1946" is as follows:

Latitude 32°49'05" North Longitude 110°19'55" West.

The mean magnetic declination is 13½° E.

Dependent Resurvey of a Portion of the W. Bdy. of T. 7 S., R. 20 E., Gila and Salt River Meridian, Arizona  
(Reestablishment of the survey executed by T. F. White, Dep. Surveyor, in 1877, and the resurvey executed by L. D. Gilbert in 1968).

The cor. of secs. 13, 18, 19 and 24, on the W. bdy. of the Tp., is monumented with an iron post, 2½ ins. diam., firmly set in a mound of stone, 3½ ft. base, 2 ft. high to top, with brass cap mkd. as described in the official record of the 1968 resurvey of a portion of the W. bdy. of T. 7 S., R. 20 E., from which an original bearing tree mkd. in 1877

A juniper, 5 ins. diam., bears N. 18° E., 66 lks. dist., mkd. T7S R20E S18 BT.

Cor. is located on a steep S. slope.

N. 0°06' E., bet. secs. 13 and 18.

Asc. 12 ft. over steep S. slope; thence over rolling and broken land through medium undergrowth.

Dependent Resurvey of a Portion of  
W. Bdy. of T. 7 S., R. 20 E., G&SRM., Arizona

CHAINS	
15.00	Asc. 150 ft. over cliffy SE. slope of a sandstone knoll.
19.47	Point selected for the witness S. 1/16 sec. cor. of secs. 13 and 18.
	Set an iron post, 28 ins. long, 2½ ins. diam., (recovered from the base of a nearly vertical NE. slope where it had fell from its setting in 1968) 10 ins. in the ground, mound of stone 3 ft. base to top, with brass cap mkd. as described in the official record of the 1968 resurvey of a portion of the W. bdy. of T. 7 S., R. 20 E.
	Add marks to the brass cap to read:
	<p style="text-align: center;">T7S R19E R20E W C S 1/16 S13↑S18 1968 1974</p>
19.97	True point for the S. 1/16 sec. cor. of secs. 13 and 18, at proportionate dist., falls on a steep and bare NE. slope where a monument cannot be safely perpetuated.
	Desc. 100 ft. over cliffy NE. slope; thence over rolling and broken land.
39.20	Steep draw, drains SW.
39.94	The ¼ sec. cor. of secs. 13 and 18, monumented with an iron post, 28 ins. long, 2½ ins. diam., projecting 10 ins. above ground, in a mound of stone, 2½ ft. base to top, with brass cap mkd. as described in the official record of the 1968 resurvey of a portion of the W. bdy. of T. 7 S., R. 20 E.
	<hr style="width: 20%; margin: auto;"/> <p>N. 0°06' E., beginning new measurement.</p>
	Asc. 65 ft. over steep S. slope.
21.10	Spur, slopes N. 65° W., desc. rolling and broken NW. slope.
11.00	Power line, bears NE. and SW.
20.20	Graded road, bears NE. and SW.
26.40	Fourmile Creek, 50 lks. wide, 2 ft. deep, course irreg. E., asc. SW. slope.
36.70	Low ridge, bears S. 30° E. and N. 20° W., desc. 35 ft.
39.94	The cor. of secs. 7, 12, 13 and 18, monumented by an iron post, 3 ins. diam., projecting 10 ins. above ground, firmly set in a collar of stone, 2 ft. base, 6 ins. high, with brass cap mkd. as described in the official record of the 1913 resurvey of a portion of the E. bdy. of T. 7 S., R. 19 E.

Dependent Resurvey of a Portion of  
W. Bdy. of T. 7 S., R. 20 E., G&SRM., Arizona

CHAINS	
	<p>Land, rolling and broken. Soil, rocky loam. Timber, scattered mesquite, moderate mesquite in Fourmile Creek bottom. Undergrowth, scrub mesquite, catclaw, scattered cacti and bunchgrass.</p>
	<p>Dependent Resurvey, Portion of the Subdivisional Lines, T. 7 S., R. 20 E., G&amp;SRM., Arizona (Restoring the survey executed by Theodore F. White in 1877)</p> <hr/> <p>From the cor. of secs. 17, 18, 19 and 20, monumented with an iron post, 2½ ins. diam., firmly set, projecting 6 ins. above ground, with brass cap mkd. as described in the official record of the 1968 resurvey of a portion of the subdivisional lines of T. 7 S., R. 20 E., from which the remaining orig. bearing tree mkd. in 1877</p> <p style="padding-left: 40px;">A mesquite, 12 ins. diam., bears N. 85° E., 290 lks. dist., mkd. XV11.</p> <p>N. 0°21' W., bet. secs. 17 and 18.</p> <p>Over rolling land, through scattered mesquite and moderate undergrowth.</p> <p>35.00 Draw, drains easterly, asc. 75 ft. over S. slope.</p> <p>40.14 The ¼ sec. cor. of secs. 17 and 18, monumented by a granite stone, 14x8x8 ins., mkd. ¼ on a face, loosely set 1 lk. S. of a cor. of fences extending N., E. and W.</p> <p>At the corner point</p> <p>Set an iron post, 28 ins. long, 2½ ins. diam., 20 ins. in the ground with brass cap mkd.</p> <div style="text-align: center;"> <p>T7S R20E</p> <p>¼</p> <p>S18 S17</p> <p>1974</p> </div> <p>Raise a mound of stone, 2½ ft. base, 1½ ft. high, W. of the cor.</p> <p>Bury the mkd. stone alongside the iron post.</p> <hr/> <p>N. 0°13' W., beginning new measurement.</p> <p>Over rolling land, asc. 25 ft. over E. slope along E. side of a fence bearing irreg. N.</p> <p>1.00 Top of small hill, desc. 100 ft. to Aravaipa Creek bottom land, bears SE. and NW.; thence over nearly level land through moderate mesquite.</p>

Dependent Resurvey Portion of Subdivisional Lines,  
T. 7 S., R. 20 E., G&SRM., Arizona

CHAINS					
35.00	Draw, drains NE.				
40.00	<p>The cor. of secs. 7, 8, 17 and 18, reestablished from the orig. bearing tree</p> <p>A Taraiso tree (desert willow), partially dead, with a rotting blaze, bears N. 40° E., 13 lks. dist.</p> <p>At the corner point</p> <p>Set an iron post, 28 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T7S R20E</p> <table border="1" style="margin: auto;"> <tr> <td>S 7</td> <td>S 8</td> </tr> <tr> <td>S18</td> <td>S17</td> </tr> </table> <p>1974</p> </div> <p>from which new bearing trees</p> <p>A catclaw, 8 ins. diam., bears N. 54° E., 241 lks. dist., mkd. T7S R20E S8 BT.</p> <p>A mesquite, 10 ins. diam., bears N. 31½° W., 44 lks. dist., mkd. T7S R20E S7 BT.</p> <p>Land, rolling to nearly level. Soil, rocky clay loam. Timber, mesquite. Undergrowth, catclaw and scattered cacti.</p>	S 7	S 8	S18	S17
S 7	S 8				
S18	S17				
<hr/>					
0.06	S. 89°47' W., bet. secs. 7 and 18.				
17.00	Over nearly level land, through scattered mesquite.				
29.30	Fence, bears irreg. N. and S.				
17.00	Enter moderate mesquite, bears N. 20° E. and S. 20° W.				
29.30	Foot of a spur, sloping from the south.				
36.90	Fence, bears N. 50° E. and S. 50° W.				
37.00	Power line, bears N. 62° E. and S. 62° W.				
37.30	Graded road, bears N. 50° E. and S. 60° W.				
38.20	E. edge of Fourmile Creek bottom, bears N. 65° E. and S. 65° W.				
40.02	<p>Point for the ¼ sec. cor. of secs. 7 and 18, at proportionate dist., there is no remaining evidence of the original cor.</p> <p>Set an iron post, 28 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T7S R20E</p> <table border="1" style="margin: auto;"> <tr> <td>¼ S 7</td> <td></td> </tr> <tr> <td>S18</td> <td></td> </tr> </table> <p>1974</p> </div>	¼ S 7		S18	
¼ S 7					
S18					

Dependent Resurvey Portion of Subdivisional Lines,  
T. 7 S., R. 20 E., G&SRM., Arizona

CHAINS	
	<p>Deposit broken glass at base of the iron post.</p> <p>Raise a mound of stone, 2½ ft. base, 1½ ft. high, N. of the cor.</p>
56.00	Leave Fourmile Creek bottom, bears N. 10° E. and S. 10° W., asc. 200 ft. over broken E. slope.
74.50	Small spur, slopes NE.
79.88	The cor. of secs. 7, 12, 13 and 18, on the W. bdy. of the Tp.
	<p>Land, nearly level to rolling. Soil, sandy to gravelly clay loam. Timber, mesquite. Undergrowth, catclaw and scattered bunchgrass.</p>
<p>Subdivision of Section 18 Township 7 South, Range 20 East Gila and Salt River Meridian, Arizona</p>	
	<p>From the ¼ sec. cor. of secs. 18 and 19, monumented by an iron post, 2½ ins. diam., firmly set, projecting 6 ins. above ground, with a squared wooden post, 3 ft. high, 3 ins. diam., alongside, and with brass cap mkd. as described in the official record of the 1968 resurvey of a portion of the subdivisional lines of T. 7 S., R. 20 E.</p> <p>N. 0°12' W., along the N. and S. center line of sec. 18.</p> <p>Over rolling land through moderate undergrowth; desc. 75 ft.</p>
16.20	Draw, drains N. 70° E.; asc. 55 ft.
24.00	Spur, slopes SE.
40.04	Point for the center ¼ sec. cor. of sec. 18, at intersection with the E. and W. center line.
	<p>Set an iron post, 28 ins. long, 2½ ins. diam., 18 ins. in the ground, encircled by a mound of stone, 2 ft. base to top, with brass cap mkd.</p> <p style="text-align: center;">T7S R20E C¼ S18 1974</p> <p>from which</p> <p>U.S.C.&amp;G.S. triangulation station "KLONDYKE, 1946" bears N. 66°12'30" E., 2.30 chs. dist., a brass tablet, 4 ins. diam., mounted on an iron post 3½ ins. diam., firmly set, projecting 6 ins. above ground, encircled by a mound of stone, 3 ft. diam., 1 ft. high.</p> <p>The geographic position of U.S.C.&amp;G.S. triangulation station "KLONDYKE, 1946" is:</p> <p>Latitude, 32°49'31.605" N., and Longitude, 110°20'24.157" W.</p>

## Subdivision of Section 18, T. 7 S., R. 20 E., G&amp;SRM., Arizona

CHAINS	
	<p>Raise a mound of stone, 3½ ft. base, 2 ft. high, W. of the cor.</p> <p>The cor. is located 65 lks. E. of a draw, drains N. 10° E.</p> <p>Thence along broken W. slope.</p>
70.00	Spur, slopes W., desc. 150 ft. over NW. slope.
76.50	Base of rolling hills, bears N. 75° E. and S. 45° W., thence over nearly level land.
77.44	Fence, 5 strand barbed wire, bears N. 50° E. and S. 50° W.
79.20	Graded road, bears N. 50° E. and S. 50° W.
79.30	S. edge of Fourmile Creek wash area, bears N. 65° E. and S. 65° W.
79.37	Power line, bears N. 62° E. and S. 62° W.
80.02	<p>The ¼ sec. cor. of secs. 7 and 18.</p> <p>Land, rolling. Soil, gravelly clay loam. Timber, scattered mesquite. Undergrowth, catclaw, scrub mesquite, scattered bunch grass and cacti.</p>
	<p>From the ¼ sec. cor. of secs. 17 and 18.</p> <p>S. 89°50' W., along the E. and W. center line of sec. 18.</p> <p>Over gently rolling land, through moderate undergrowth.</p>
20.00	Spur, slopes N. 10° E.
24.00	Draw, drains N. 25° E.
30.00	Enter rolling land, bears SW. and NW.; asc. 175 ft.
38.84	Fence, 4 strand barbed wire, bears S. 2°30' W. and N. 2°30' E. to a cor. of fences extending easterly, S. 2°30' W. and an abandoned fence line extending S. 25° W.; desc. 30 ft.
40.04	The center ¼ sec. cor. of sec. 18; desc. 45 ft.
40.70	Draw, drains N. 10° E.; asc. 75 ft.; thence over rolling and broken land.
42.30	Low ridge, bears S. 15° W. and N. 10° W.
76.20	Rocky sandstone ridge, bears N. 15° E. and S. 15° W.; desc. 50 ft. over steep and broken SW. slope.
80.10	The ¼ sec. cor. of secs. 13 and 18, on the W. bdy. of the Tp.



Subdivision of Section 18, T. 7 S., R. 20 E., G&amp;SRM., Arizona

## CHAINS

Land, rolling.  
 Soil, gravelly clay loam.  
 Timber, scattered mesquite.  
 Undergrowth, catclaw, scattered scrub mesquite, cacti and bunchgrass.

## GENERAL DESCRIPTION

The land encompassed in this survey is located nearly adjacent to and southwest of Klondyke, Arizona. The drainage is mostly to the northeast. Aravaipa Creek crosses near the northeast corner of section 18, course northerly to northwesterly. Fourmile Creek traverses the northwest one quarter of the section, course north-easterly. Elevation ranges from about 3,420 feet above sea level at the northeast corner of section 18 to about 3,750 feet above sea level near the southwest corner of section 18.

Access to the northwest one quarter of section 18 is by a graded road along Fourmile Creek from Klondyke, Arizona.

Scattered mesquite is found throughout the section with some patches of moderate to dense mesquite, especially near major drainages. The undergrowth consists mainly of scrub mesquite, catclaw and scattered cacti and bunchgrass.

No improvements were noted in section 18, with the exception of fences.



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CERTIFICATE OF SURVEY

(I) ~~(We)~~, Paul G. Bauer, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 10th day of June, 1974, (I) ~~(We)~~ have dependently resurveyed a portion of the west boundary and subdivisional lines and surveyed the subdivision of section 18, Township 7 South, Range 20 East,

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 (me), ~~(us)~~ and under (my) ~~(our)~~ 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.

7/29/74  
(Date)

Paul G. Bauer  
(Cadastral Surveyor)

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

\_\_\_\_\_  
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

SUBMITTED FOR APPROVAL  
Date AUG 21 1974

BUREAU OF LAND MANAGEMENT  
Washington, D.C.

The foregoing field notes of the dependent resurvey of a portion of the west boundary and subdivisional lines and the survey of the subdivision of section 18, Township 7 South, Range 20 East, of the Gila and Salt River Meridian, Arizona, executed by Paul G. Bauer having been critically examined and found correct, are hereby approved.

JUN 26 1975  
(Date)

Bennett W. Halper  
(Chief, Division of Cadastral Survey)

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 Cadastral Survey) GPO 849-626