

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES
OF THE

DEPENDENT RESURVEY

OF A PORTION OF

THE SUBDIVISIONAL LINES

IN

TOWNSHIP 15 SOUTH, RANGE 17 EAST

Of the Gila and Salt River Meridian,
In the State of Arizona

EXECUTED BY
Clyde J. King, Cadastral Surveyor

Under Special Instructions dated May 10, 1993, approved May 13, 1993, and Supplemental Special Instructions dated June 15, 1993, approved June 15, 1993, which provided for the surveys included under Group Number 757 and assignment instructions dated May 13, 1993.

Survey commenced May 18, 1993
Survey completed June 15, 1993

INDEX DIAGRAM

TOWNSHIP 15 SOUTH, RANGE 17 EAST,

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T. 15 S., R. 17 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes are those of the dependent resurvey of a portion of the subdivisional lines, Township 15 South, Range 17 East, Gila and Salt River Meridian, Arizona.

The history of surveys pertaining to this resurvey is as follows: The Third Standard Parallel South through Range 17 East was surveyed by Theo. F. White in 1873, retraced by James H. Martineau in 1893, and partially resurveyed by Horace M. Muscott in 1936. The subdivisional lines were surveyed by James H. Martineau in 1893. A portion of the subdivisional lines were resurveyed by Dupree R. Averill in 1925 and a portion of the subdivisional lines were resurveyed by Leonard W. Murphy in 1975.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated May 10, 1993, and the Supplemental Special Instructions dated June 15, 1993, for Group No. 757, Arizona.

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 directions of all lines were determined by direct hour angle observations on the sun, and refer to the true meridian. Distances and angles were measured with a Topcon GTS-3B total station instrument.

The geographic position of the standard corner of sections 33 and 34, determined by differential positioning using the Ashtech MXII Geodetic Positioning System, with U. S. Geological Survey triangulation station "IRENE" as the control station, is as follows:

Latitude: 32°04'30.31" N. Longitude: 110°36'07.90" W. NAD 27

T. 15 S., R. 17 E., Gila and Salt River Meridian, Arizona

<p>CHAINS</p>	<p>The mean magnetic declination as taken from quadrangle map "RINCON VALLEY, ARIZ.", published in 1957 by the U. S. Geological Survey, is 13° E.</p> <hr/> <p>Dependent Resurvey of a Portion of the Subdivisional Lines T. 15 S., R. 17 E., Gila and Salt River Meridian, Arizona</p> <hr/> <p>Restoring the survey executed by James H. Martineau, in 1893</p> <hr/> <p>Beginning at the standard cor. of secs. 33 and 34, monumented with an iron post, 2 ins. diam, firmly set, projecting 5 ins. above ground, with a mound of stone, 2 ft. base, to top, with brass cap mkd, SC T15S R17E S33 S34 1936, from which the original bearing trees</p> <p style="padding-left: 40px;">A dead mesquite, 18 ins. diam., bears S. 89 1/4° E., 190 lks. dist., with cut out blaze. (Record: S. 88 1/2° E.)</p> <p style="padding-left: 40px;">A dead mesquite, 14 ins. diam., bears S. 36° E., 114 lks. dist., with no evidence of the blaze. (Record: 109 lks. dist.)</p> <p style="padding-left: 40px;">An ash, 13 ins. diam., bears N. 17 1/2° W., 118 lks. dist., with decayed blaze. (Record: 121 lks. dist.)</p> <p>and a 1936 bearing tree</p> <p style="padding-left: 40px;">A mesquite stump, 14 ins. diam., bears N. 8° E., 71 lks. dist., with illegible marks on decayed blaze. (Record: 70 lks. dist.)</p> <p>Add the marks 1993 to the brass cap.</p> <p>from which a new bearing tree</p> <p style="padding-left: 40px;">A mesquite, 14 ins. diam., bears N. 80° W., 54.5 lks. dist., mkd. T15S R17E S33 SC BT.</p> <p>N. 0°46' E., bet. secs. 33 and 34.</p> <p>Over rolling land, through medium cacti and mesquite.</p> <p>39.41 The 1/4 sec. cor. of secs. 33 and 34, monumented with a granite stone, 18 x 10 x 6 ins., firmly set, projecting 6 ins. above ground, in a mound of stone, 4 ft. base, 1 ft. high, mkd. 1/4 on the W. face.</p>
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Dependent Resurvey of a Portion of the Subdivisional Lines
T. 15 S., R. 17 E., Gila and Salt River Meridian, Arizona

CHAINS						
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, encircled with a collar of stone, with brass cap mkd.</p> <div style="text-align: center;"> <table border="1"> <tr><td>T15S R17E</td></tr> <tr><td>S27 S26</td></tr> <tr><td>S34 S35</td></tr> <tr><td>1993</td></tr> </table> </div> <p>from which the new bearing trees</p> <p>A mesquite, 13 ins. diam., bears N. 53 3/4° E., 123 lks. dist., mkd. T15S R17E S26 BT.</p> <p>A forked mesquite, 6 ins. diam. at base, bears S. 68 3/4° E., 26 lks. dist., mkd. T15S R17E S35 BT.</p> <p>A mesquite, 5 ins. diam., bears S. 32° W., 67 lks. dist., mkd. T15S R17E S34 BT.</p> <p>A mesquite, 8 ins. diam., bears N. 62 1/2° W., 95.5 lks. dist., mkd. T15S R17E S27 BT.</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white plastic case beneath the stainless steel post.</p> <p>Bury the stone alongside the stainless steel post.</p> <p>N. 89°47' W., bet. secs. 27 and 34.</p> <p>Over rolling land, through medium cacti and mesquite.</p>	T15S R17E	S27 S26	S34 S35	1993	
T15S R17E						
S27 S26						
S34 S35						
1993						
38.765	<p>Point for the 1/4 sec. cor. of secs. 27 and 34, at proportionate distance; there is no remaining evidence of the original cor. position.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, encircled with a collar of stone, with brass cap mkd.</p> <div style="text-align: center;"> <table border="1"> <tr><td>T15S R17E</td></tr> <tr><td>S27</td></tr> <tr><td>1/4 —</td></tr> <tr><td>S34</td></tr> <tr><td>1993</td></tr> </table> </div> <p>Deposit a magnet in a 1 x 1 x 2 ins. white plastic case beneath the stainless steel post.</p>	T15S R17E	S27	1/4 —	S34	1993
T15S R17E						
S27						
1/4 —						
S34						
1993						
77.53	<p>The cor. of secs. 27, 28, 33, and 34.</p>					

Dependent Resurvey of a Portion of the Subdivisional Lines
T. 15 S., R. 17 E., Gila and Salt River Meridian, Arizona

CHAINS	<p>N. 1°17' W., bet. secs. 27 and 28.</p> <p>Over rolling land, through medium cacti and mesquite.</p> <p>38.85 The 1/4 sec. cor. of secs. 27 and 28, monumented with a scattered mound of stone. Mr. George W. McKay and Mr. Wallace L. Craig, Surveyors employed by the U. S. Forest Service, furnished a signed statement, attached to and made part of these field notes, attesting to the original corner position.</p> <p>At the cor. point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 13 ins. in the ground, to bedrock, in a mound of stone, 3 ft. base, to top, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <p>T15S R17E 1/4 S28 S27 1993</p> </div> <p>Deposit a magnet in a 1 x 1 x 2 ins. white plastic case beneath the stainless steel post.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 6°51' E., beginning a new measurement.</p> <p>Over rolling land, through medium cacti and mesquite.</p> <p>43.39 The cor of secs. 21, 22, 27, and 28, monumented with a rebar, 16 ins. long, 3/4 ins. diam., firmly set, projecting 3 ins. above ground, with aluminum cap mkd., LS 4785, and is accepted as the best available evidence of the position of the original corner.</p> <p>At the cor. point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 8 ins. in the ground, to bedrock, in a mound of stone, 4 ft. base, to top, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <p>T15S R17E S21 S22 ----- S28 S27 1993</p> </div> <p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.</p> <p>Deposit the rebar inside the stainless steel post.</p>
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Dependent Resurvey of a Portion of the Subdivisional Lines
T. 15 S., R. 17 E., Gila and Salt River Meridian, Arizona

<p>CHAINS</p>	<p>From this cor. point, the cor of secs. 15, 16, 21, and 22, bears N. 0°18'E., 80.55 chs. dist., monumented with a granite stone, 20 x 10 x 8 ins., firmly set, projecting 8 ins. above ground, mkd. with 3 notches on the S. face and 3 notches on the E. face, with a lead capped pipe alongside. This tie is included only to verify the position of the cor to secs. 21, 22, 27 and 28.</p> <p>Cor. is located 2 lks. W. of a cor. of fences, extending N., S., and E.</p> <hr/> <p>From the cor. of secs. 22, 23, 26, and 27, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 22 ins. above ground, in a mound of stone, 3 ft. base, 1 1/2 ft. high, with brass cap mkd., T15S R17E S22 S23 S27 S26 1975.</p> <p>Add the marks 1993 to the brass cap.</p> <p>from which the new bearing trees</p> <p style="padding-left: 40px;">An oak, 22 ins. diam., bears N. 78 1/4° E., 85.5 lks. dist., mkd. T15S R17E S23 BT.</p> <p style="padding-left: 40px;">An oak, 17 ins. diam., bears S. 69 1/2° E., 68 lks. dist., mkd. T15S R17E S26 BT.</p> <p style="padding-left: 40px;">An oak, 24 ins. diam., bears S. 72 3/4° W., 221 lks. dist., mkd. T15S R17E S27 BT.</p> <p style="padding-left: 40px;">An oak, 16 ins. diam., bears N. 54 3/4° W., 210 lks. dist., mkd. T15S R17E S22 BT.</p> <p>Cor. is located 1 lk. S. of a cor. of fences, extending N., E., and W.</p> <p>N. 89°07' W., bet. secs. 22 and 27.</p> <p>Over rolling land, through medium cacti, mesquite, and scattered oak.</p> <p>36.415 Point for the 1/4 sec. cor of secs. 22, and 27, at proportionate dist.; there is no remaining evidence of the original cor. position.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 4 ins. in the ground, to bedrock, in a mound of stone, 5 ft. base, to top, with brass cap mkd.</p>
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T. 15 S., R. 17 E., Gila and Salt River Meridian, Arizona

CHAINS	GENERAL DESCRIPTION		
	<p>This survey is located approximately 20 miles ESE of Tucson Arizona. The elevation ranges from 3500 to 4000 feet above sea level.</p>		
	<p>The soil is rocky clay and sandy loam. The vegetation consists of mesquite, oak and various cacti.</p>		
	<hr/> <p>The following information is provided for informational purposes only.</p>		
	<p>The geographic positions of the following points were determined by differential positioning using the Ashtech MXII Geodetic Positioning System. U. S. Geological Survey Triangulation Station "IRENE" was used as a control station. Coordinates refer to the top of the monument.</p>		
	Station	Latitude	Longitude
	1/4 sec. cor. of secs. 28 and 33.	32°05'21.970" N.	110°36'38.162" W. NAD 27
	Cor. of secs. 22, 27, 34, and 35.	32°05'21.208" N.	110°35'08.681" W. NAD 27
	Cor. of secs. 22, 23, 26, and 27.	32°06'14.156" N.	110°35'08.983" W. NAD 27
	Cor. of secs. 15, 16, 21, and 22.	32°07'07.490" N.	110°36'04.525" W. NAD 27

T. 15 S., R. 17 E., Gila and Salt River Meridian, Arizona

CHAINS

AFFIDAVIT

To whom it may concern: We, George W. McKay and Wallace L. Craig, do hereby state that we are licensed Land Surveyors employed by the United States Forest Service, and that we have knowledge of evidence of the original monument at the 1/4 section cor. of sections 27 and 28, T. 15 S., R. 17 E., Gila and Salt River Meridian, Arizona, as found during a corner investigation performed on January 26, 1988, and have identified the location of the same in the presence of Clyde J. King, Cadastral Surveyor, Bureau of Land Management.

(Signature)

George W. McKay

(Date)

6-2-94

(Signature)

Wallace L. Craig

(Date)

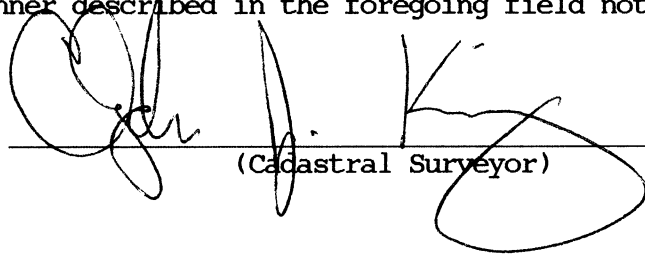
2 JUNE 1994

CERTIFICATE OF SURVEY

I, Clyde J. King, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of Special Instructions bearing date of the 10th day of May, 1993, and the Supplemental Instructions bearing the date of the 15th day of June, 1993, I have dependently resurveyed a portion of the subdivisional lines of Township 15 South, Range 17 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 and under my 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.

6/2/94

(Date)



(Cadastral Surveyor)

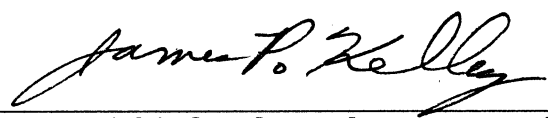
CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Arizona State Office
Phoenix, Arizona

The foregoing field notes of the dependent resurvey of a portion of the subdivisional lines of Township 15 South, Range 17 East, Gila and Salt River Meridian, Arizona, executed by Clyde J. King, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

JUN 08 1994

(Date)



(Chief Cadastral Surveyor of Arizona)

~~CERTIFICATE OF TRANSCRIPT~~

~~I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in T. 15 S., R. 17 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

~~_____
(Date)~~

~~_____
(Chief Cadastral Surveyor of Arizona)~~