

ORIGINAL

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

FIELD NOTES  
OF THE  
DEPENDENT RESURVEY  
OF A PORTION OF THE WEST BOUNDARY,  
A PORTION OF THE SUBDIVISIONAL LINES  
AND  
THE SUBDIVISION OF SECTION 7  
**TOWNSHIP 4 NORTH, RANGE 2 WEST,**  
OF THE GILA AND SALT RIVER MERIDIAN,  
IN THE STATE OF ARIZONA

**EXECUTED BY**

**Gordon R. Bubel and Rosendo Ramos Serrano, Cadastral Surveyors**

Under Special Instructions dated, October 24, 2019 approved October 24, 2019 which provided for the surveys included under Group No. 1199, and Assignment Instructions dated October 24, 2019.

**Survey commenced October 29, 2019**

**Survey completed January 15, 2020**

### INDEX DIAGRAM

TOWNSHIP 4 NORTH RANGE 2 WEST  
GILA AND SALT RIVER MERIDIAN, ARIZONA

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T. 4 N., R. 2 W., Gila and Salt River Meridian, Arizona

|               |  |
|---------------|--|
| <p>Chains</p> | <p>The following field notes describe the dependent resurvey of a portion of the west boundary, and a portion of the subdivisional lines, and the subdivision of section 7, Township 4 North, Range 2 West, Gila and Salt River, Arizona.</p> <p>The history of surveys pertaining to this resurvey is as follows:</p> <p>In 1894, the west boundary was surveyed by Albert T. Colton, U.S. Deputy Surveyor, recorded in book 1266. In 1917, Woodbury Abbey, U.S. Surveyor, and others, resurveyed and retraced the west boundary, recorded in book 3042.</p> <p>The subdivisional lines were surveyed by Albert T. Colton in 1894, recorded in books 1017 and 1102.</p> <p>The W 1/2 of the NW 1/4 of section 7, was acquired by the U.S. from the State of Az, under the powers of eminent domain. The Declaration of Taking was executed on 31 December 1952, recorded under Civil Case No. 1757.</p> <p>The survey was executed in accordance with the specifications as set forth in the <u>Manual of Instructions for the Survey of the Public Lands of the United States, 2009</u>, and the <u>Special Instructions dated October 24, 2019</u>, for Group Number 1199, Arizona.</p> <p>The true meridian direction and length of all lines were determined by real time kinematic global positioning system observations using Trimble Navigation R10-2 model receivers.</p> <p>Preliminary to the resurvey, the lines of the prior surveys were retraced and search was made for all corners and other calls of record. Identified corners were remonumented in their original positions. Lost corners were reestablished and remonumented at proportionate positions based on the official record. The retracement data were thoroughly verified and only the true line field notes are given herein.</p> <p>Geodetic control was derived from Global Positioning System (GPS) static observations post processed by National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations DN4496 AZUP USERY MOUNTAIN PK CORS ARP, DL6010 AZSV STAR VALLEY CORS ARP, DN6063 AZST SAN TAN PARK CORS ARP.</p> <p>The NAD 83 (2011) (EPOCH: 2010), geographic position of the 1/4 section corner of sections 12 and 13, is as follows:</p> <p>Latitude: 33°41'48.724" N. Longitude: 112°30'16.092" W</p> <p>The NAD 83 (2011) (EPOCH: 2010), geographic position of the northwest corner of sections 2, is as follows:</p> <p>Latitude: 33°42'41.174" N. Longitude: 112°30'46.402" W</p> <p>The mean magnetic declination is 10.25° E.</p> |
|---------------|--|

T. 4 N., R. 2 W., Gila and Salt River Meridian, Arizona

| Chains |   |
|--------|---|
|        | <p style="text-align: center;"><b>Dependent Resurvey of a Portion of the West Boundary,<br/>T. 4 N., R. 2 W., Gila and Salt River Meridian, Arizona</b></p> <hr/> <p style="text-align: center;">Restoring the resurvey and retracement executed by Woodbury<br/>Abbey, Roy J. Gill and Hans D. Voight in 1915.</p> <hr/> <p>Beginning at the 1/4 sec. cor. of secs. 7 and 12, on the W. bdy.<br/>of the Tp. Monumented with a 1 in. diam. iron post, set, witnessed<br/>and described, in the dependent resurvey of a portion of the E.<br/>bdy. of T. 4 N., R. 3 W., executed concurrently under this same<br/>group.</p> <p>From this cor., the corner of woven wire fences, enclosing the<br/>Ford Motor Company proving grounds bears N. 65° E., 7 lks. dist.<br/>Fences extending E. and S.</p> <p>N. 0°01' W., bet. secs. 7 and 12 on the W. bdy. of the tp.</p> <p>Across lands acquired by Luke Air Force Base (hereinafter<br/>LAFB).</p> <p>1.05 Barbed wire fence, bears S. 60° E. and N. 60° W.</p> <p>39.96 The cor. of secs. 1, 6, 7 and 12. Monumented with a 3 in. diam.,<br/>brass cap, set, witnessed and described, in the dependent resurvey<br/>of a portion of the E. bdy. of T. 4 N., R. 3 W., executed<br/>concurrently under this same group.</p> |
|        | <p style="text-align: center;"><b>Dependent Resurvey of a Portion of the Subdivisional Lines,<br/>T. 4 N., R. 2 W., Gila and Salt River Meridian, Arizona</b></p> <hr/> <p style="text-align: center;">Restoring the survey executed by<br/>Albert T. Colton in 1984.</p> <hr/> <p>From the 1/4 sec. cor. of secs. 6 and 7, monumented with a cotton<br/>picker spindle, of unknown origin. Recovered in 1995 by Dean E.<br/>Crouse, Arizona R.L.S. No. 25070, as per an Arizona Land Survey<br/>Corner Record, filed with Maricopa County Recorder's Office<br/>(hereinafter MCRO). Remonumented in 1995 by Maricopa County<br/>Department of Transportation (hereinafter MCDOT), with a 3 ins.<br/>diam., brass cap, set 8 ins. below the surface, seated in a cast<br/>iron survey well, 10 ins. diam. Brass cap is mkd. Maricopa County<br/>D.O.T. T4N R2W 1/4 S6 S7 1995. Accepted as the best available<br/>evidence of the orig. cor.</p> <p>Cor. is located beneath the pavement of Happy Valley Road,<br/>(26 ft. wide, bears E. and W).</p>   |

**Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 4 N., R. 2 W., Gila and Salt River Meridian, Arizona**

| Chains |  |
|--------|--|
|        | <p>N. 89°37' W., bet. secs. 6 and 7.</p> <p>Over state of Az. land.</p>  |
| 19.89  | <p>The W. 1/16 sec. cor. of secs. 6 and 7, monumented with a 5/8 in. diam. rebar, of unknown origin, recovered and remonumented in 1995 by Vernen Kalani Lee, Arizona R.L.S. No. 47302. Remonumented with a 3/4 in. diam. rebar, with attached 3 1/4 ins. diam., aluminum cap, set 7 ins. below the surface, within a cast iron survey well 10 ins. diam. Aluminum cap is marked Merrick &amp; Co. T4N R2W W 1/16 S6 S7 2011 RLS 47302. Accepted as a careful and faithful establishment of the cor.</p> <p>Cor. is located on north edge of pavement of Happy Valley Road, 26 ft. wide, bears E. and W.</p> <p>The record of survey that includes this cor., is recorded in the MCRO, in book 1088, page 47.</p> <hr/> <p>N. 89°37' W., beginning new measurement.</p> <p>On the N. bdy. of LAFB acquired land.</p>   |
| 18.99  | <p>The cor. of secs. 1, 6, 7 and 12, on the W. bdy. of the Tp., hereinbefore described.</p> <hr/> <p style="text-align: center;"><b>Subdivision of Section 7<br/>T. 4 N., R. 2 W., Gila and Salt River Meridian, Arizona</b></p> <hr/> <p>From the 1/4 sec. cor. of secs. 7 and 18, monumented with a rebar, 5/8 in. diam., with attached 2 ins. diam. aluminum cap, set flush with the ground. Cap is mkd. Maricopa County T4NR2W 1/4 S7 S18 2004 RLS 35832. Reestablished by Karl Pearson, Arizona R.L.S. No. 35832 in 2004. Accepted as careful and faithful reestablished of the original corner.</p> <p>The record of survey that includes this cor., is recorded in the MCRO, in book 1029, page 48.</p> <p>N. 0°04' E., on the N. and S. center line of sec. 7.</p> <p>Across state of Az. lands, leased to the Ford Motor Co., and utilized as a proving ground.</p> |
| 40.04  | <p>The center 1/4 sec. cor. of sec. 7, established by Vernon Kalani Lee, Arizona R.L.S. No. 47302, in 2011. Monumented with a rebar 3/4 in. diam., firmly set, projecting 1 in. above ground, with attached 3 1/4 ins. diam., aluminum cap mkd. Merrick &amp; Co. T4N R2W C1/4 S7 2011 RLS47302. Accepted as a careful and faithful establishment of the cor. position.</p>  |

Subdivision of Section 7  
T. 4 N., R. 2 W., Gila and Salt River Meridian, Arizona

| Chains |  |
|--------|--|
|        | <p>The record of survey that includes this cor., is recorded in the MCRO, in book 1088, page 47.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 0°04' E., beginning new measurement.</p>   |
| 40.04  | <p>The 1/4 sec. cor. of secs. 6 and 7.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>From the 1/4 sec. cor. of secs. 7 and 8, monumented with a rebar, 5/8 in. diam., with attached 2 ins. diam. aluminum cap, set flush with the ground. Cap is mkd. Maricopa County T4NR2W 1/4 S7 S8 2004 RLS 35832. Reestablished by Karl Pearson, Arizona R.L.S. No. 35832 in 2004. Accepted as careful and faithful reestablished of the original corner.</p> <p>The record of survey that includes this cor., is recorded in the MCRO, in book 1029, page 48.</p> <p>N. 89°30' W., on the E. and W. center line of sec. 7.</p> <p>Across state of Az. lands, leased to the Ford Motor Co., and utilized as a proving ground.</p> |
| 39.73  | <p>The center 1/4 sec. cor. of sec. 7.</p>   |
| 59.58  | <p>The C-W 1/16 sec. cor. of sec. 7, established by Vernon Kalani Lee, Arizona R.L.S. No. 47302, in 2011. Monumented with a rebar 3/4 in. diam., firmly set, projecting 1 in. above ground, with attached 3 1/4 ins. diam., aluminum cap mkd. Merrick &amp; Co. T4N R2W C W 1/16 S7 2011 RLS 47302. Accepted as a careful and faithful establishment of the cor. position.</p> <p>Set a steel fence post, 1/2 lk., S. of the cor.</p> <p>Cor. is located in a graded road, extends N. and W.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 89°31' W., beginning new measurement.</p> <p>On the S. bdy. of LAFB acquired land.</p>   |
| 0.45   | <p>From this point, a corner of woven wire fences, bears N., 11.2 lks. dist. Fence extends N. 89°47' W. and extends N. 40° E. for 55 lks., thence N.</p>   |
| 18.96  | <p>From this cor. point, the corner of a woven wire fence, bears N. 2.5 lks. dist. Fences extends S. 89°47' E. and S.</p>  |
| 19.01  | <p>The 1/4 sec. cor. of secs. 7 and 12 on the W. bdy. of the Tp. described.</p> <hr style="width: 20%; margin: 10px auto;"/>   |

Subdivision of Section 7  
T. 4 N., R. 2 W., Gila and Salt River Meridian, Arizona

| Chains |   |
|--------|---|
|        | NW 1/4  |
|        | _____   |
|        | From the C-W 1/16 sec. cor. of sec. 7.  |
|        | North, on the N. and S. center line of the NW 1/4 of sec. 7.  |
|        | on the E. bdy. of LAFB acquired land.   |
| 0.54   | From this point, a corner of woven wire fences, bears W., 9.5 lks. dist. Fence extends N. and extends S. 40° W. for 55 lks., thence W.  |
| 21.31  | Intersect a woven wire fence, extends N. 0°08' E. and S.  |
| 38.39  | From this point, a corner of a woven wire fence bears E., 3.7 lks. dist., Fence extends S. 0°08' W. and E.  |
| 40.00  | The W. 1/16 sec. cor. of sec. 6 and 7, hereinbefore described.  |
|        | _____   |
|        | General Description   |
|        | _____   |
|        | The area surveyed and resurveyed is located in Maricopa County, about 5 miles south of the settlement of Wittmann.  |
|        | The soil and vegetation is typical of the lower Sonoran Desert. The topography is near level with elevations ranging from approximately 1,450 to 1,550 ft. above sea level.                 |
|        | A portion of the woven wire fence, enclosing the Ford Motor Co. Proving Grounds, encroaches upon the lands acquired by LAFB. The area encroached upon totals 0.22 +/- acres.                |
|        | The mean magnetic declination of 10 1/4° E., was derived from the United States Geological Survey computer program GEOMAG, utilizing the World Magnetic Model 2020 for the dates of survey. |
|        | _____   |





CERTIFICATE OF SURVEY

We, Gordon R. Bubel and Rosendo Ramos Serrano, Cadastral Surveyors, HEREBY CERTIFY upon honor that, in pursuance of Special Instructions bearing date of the 24th day of October, 2019, We have dependently resurveyed a portion of the west boundary, and a portion of the subdivisional lines, and subdivided section 7, Township 4 North, Range 2 West, 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 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, 2009, and in the specific manner described in the foregoing field notes

April 2, 2021  
(Date)

Gordon R. Bubel  
(Cadastral Surveyor)

April 6, 2021  
(Date)

Rosendo Ramos Serrano  
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT  
Phoenix, Arizona

The foregoing field notes of the dependent resurvey of a portion of the west boundary, a portion of the subdivisional lines and the subdivision of section 7 of Township 4 North, Range 2 West, Gila and Salt River Meridian, Arizona. executed by Gordon R. Bubel and Rosendo Ramos Serrano, Cadastral Surveyors, having been critically examined and found correct, are hereby approved.

4/14/2021  
(Date)

Mark Morbio  
(Chief Cadastral Surveyor for Arizona)

~~CERTIFICATE OF TRANSCRIPT~~

~~I CERTIFY That the foregoing transcript of the field notes of the above described surveys in Township 4 North, Range 2 West, Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

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

~~\_\_\_\_\_~~  
~~(Chief Cadastral Surveyor for Arizona)~~