

INDEX DIAGRAM

TOWNSHIP 16 NORTH, RANGE 21 WEST,

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Dependent Resurvey of the subdivision of sec. 14

Dependent Resurvey of a Metes-and-Bounds survey in sec. 14

Metes-and-Bounds survey in sec. 14

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T. 16 N., R. 21 W., Gila and Salt River Meridian, Arizona

CHAINS	<p>The following field notes describe the dependent resurvey of a portion of the subdivision and a portion of a metes-and-bounds survey in section 14; and a metes-and-bounds survey in section 14, Township 16 North, Range 21 West, Gila and Salt River Meridian, Arizona.</p> <p>The exterior boundaries and subdivisional lines were surveyed by John J. Fisher, U.S. Deputy Surveyor, in 1905.</p> <p>A portion of the subdivisional lines were dependently resurveyed and Section 14 was subdivided and a metes-and-bounds survey was performed by Paul L. Reeves and Dennis K. McKay, Cadastral Surveyors, in 1983.</p> <p>The survey was executed in accordance with the specifications as set forth in the <u>Manual of Surveying Instructions, 1973</u>, and the Special Instructions dated February 14, for Group No. 767, Arizona.</p> <p>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.</p> <p>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.</p> <p>The geographic position of the 1/4 sec. cor. of secs. 14 and 15, as determined from a tie made to U.S. Geological Survey triangulation station "BREEZE", hereinafter described, is as follows:</p> <p>Latitude: 34°46'17.96" N. Longitude: 114°28'55.10" W. NAD27</p> <p>The mean magnetic declination, as taken from quadrangle map "WARM SPRINGS SW", ARIZ., published in 1970 by U.S. Geological Survey, is 14 1/2° E.</p>
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Dependent Resurvey of a Portion of the Subdivision of Section 14,
T. 16 N., R. 21 W., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Beginning at AP 5, sec. 14, monumented with a railroad spike, firmly set, flush with the pavement, mkd. AP5 S14 1983.</p> <p>From this cor. point, the witness point on the E-W center line of sec. 14, bears N. 89°53'E., 77 lks. dist., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 3 ins. above ground, with brass cap mkd. T16N R21W WP S14 1983.</p> <p>Cor. is located in State Highway No. 95, 50 lks. wide, bears NNW and SSE.</p> <p>S. 89°53' W., along the E. and W. center line of sec. 14.</p> <p>Over nearly flat land, through medium creosote.</p>
10.86	Point for AP8, sec. 14, hereinafter described.
17.44	<p>The 1/4 sec. cor. of secs. 14 and 15, monumented with an aluminum post, 1/4 ins. diam., firmly set, 4 ins. below the ground, with aluminum cap mkd. T16N R21W 1/4 S15 S14 1983, from which the remaining 1983 reference monument</p> <p style="padding-left: 40px;">An iron post, 2 1/2 ins. diam., firmly set, projecting 3 ins. above the ground, bears N. 40°17' E., 34.3 ft. dist., with cap mkd. T16N R21W RM 34.3 FT TO COR 1/4 1983, and an arrow pointing to the cor. Add the marks 1994 to the cap.</p> <p>from which a new reference monument</p> <p style="padding-left: 40px;">A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 24 ins. in the ground, for a reference monument, bears S. 35°50' E., 40.13 ft. dist., with cap mkd. T16N R21W RM 40.13 FT TO COR 1/4 1994, and an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 ins. white plastic case beneath the stainless steel post.</p> <p>Add the marks 1994 to the aluminum cap.</p> <p>Cor. is located 30 lks. E. of the intersection of Golden Shores Parkway, asphalt surfaced, bears N. and S., and Tule Drive, asphalt surfaced, bears E. and W.</p> <p>From this cor. point, U.S. Coast and Geodetic Survey triangulation station "Breeze", with published latitude of 34°45'57.68726" N. and longitude of 114°28'39.86292" W., NAD27, bears S. 31°48.2' E., 36.547 chs. dist., monumented with a standard brass disk, 3 ins. diam., cemented flush with the surface of lava bedrock, with top of disk mkd. BREEZE 1934 and a triangle.</p>

Dependent Resurvey of a Portion of a Metes-and-Bounds Survey in Section 14,
T. 16 N., R. 21 W., Gila and Salt River Meridian, Arizona

CHAINS	<p>From AP5, sec. 14, hereinbefore described.</p> <p>N. 10°37' W., on line 5-6.</p> <p>Over nearly flat land, through medium creosote.</p>
12.25	Point for AP10, sec. 14, hereinafter described.
17.53	<p>AP6, sec. 14, monumented with a railroad spike, firmly set, flush with the pavement, mkd. AP6 S14 1983, from which the reference monuments</p> <p style="padding-left: 40px;">An iron post, 2 1/2 ins. diam., firmly set, projecting 3 ins. above the ground, bears N. 34°23' E., 70.71 ft. dist., with cap mkd. T16N R21W RM 70.71 FT TO COR AP6 S14 1983, and an arrow pointing to the cor. Add the marks 1994 to the cor.</p> <p style="padding-left: 40px;">An iron post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above the ground, bears S. 55°37' W., 70.71 ft. dist., with cap mkd. T16N R21W RM 70.71 FT TO COR AP6 S14 1983, and an arrow pointing to the cor. Add the marks 1994 to the cor.</p> <p>Cor. is located in State Highway No. 95, 50 lks. wide, bears NNW and SSE.</p> <hr/> <p style="text-align: center;">Metes-and-Bounds Survey in Section 14, T. 16 N., R. 21 W., Gila and Salt River Meridian, Arizona</p> <hr/> <p>Beginning at the point for AP8, on the E. and W. center line of sec. 14.</p> <p>Set a railroad spike, flush with the pavement.</p> <p>from which</p> <p style="padding-left: 40px;">A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 25 ins. in the ground, for a reference monument, bears S. 47°43' E., 55.3 ft. dist., with cap mkd. T16N R21W RM 55.3 FT TO COR AP8 S14 1994, and an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 ins. white plastic case beneath the stainless steel post.</p> <p style="padding-left: 40px;">A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 25 ins. in the ground, for a reference monument, bears S. 42°06' W., 55.6 ft. dist., with cap mkd. T16N R21W RM 55.6 FT TO COR AP8 S14 1994, and an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 ins. white plastic case beneath the stainless steel post.</p>

Dependent Resurvey of a Portion of a Metes-and-Bounds Survey in Section 14,
T. 16 N., R. 21 W., Gila and Salt River Meridian, Arizona

CHAINS	
12.045	<p>Cor. is located in Tule Drive, asphalt surfaced, 36 lks. wide, bears E. and W.</p> <p>From this cor. point, the 1/4 sec. cor. of secs. 14 and 15, bears S. 89°53' W., 6.58 chs. dist., hereinbefore described.</p> <p>North, on line 8-9.</p> <p>Over nearly flat land, through medium creosote.</p> <p>Point for AP9, sec. 14.</p> <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> <p style="text-align: center;">T16N R21W</p> <div style="border: 1px solid black; width: 50px; margin: auto; padding: 2px;"> <p style="margin: 0;">AP9 S14 1994</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. 89°53' E., on line 9-10.</p> <p>Over nearly flat land, through medium creosote.</p>
8.60	<p>Point for AP10, at intersection with line 5-6.</p> <p>Set a railroad spike, flush with the pavement.</p> <p>from which</p> <p style="padding-left: 40px;">A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 25 ins. in the ground, for a reference monument, bears N. 49°24' E., 57.6 ft. dist., with cap mkd. T16N R21W RM 57.6 FT TO COR AP10 S14 1994, and an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 ins. white plastic case beneath the stainless steel post.</p> <p style="padding-left: 40px;">A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 25 ins. in the ground, for a reference monument, bears S. 67°12' E., 58.0 ft. dist., with cap mkd. T16N R21W RM 58.0 FT TO COR AP8 S14 1994, and an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 ins. white plastic case beneath the stainless steel post.</p>

Metes-and-Bounds Survey in Section 14
T. 16 N., R. 21 W., Gila and Salt River Meridian, Arizona

CHAINS	<p>Cor. is located in State Highway No. 95, 50 lks. wide, bears NNW and SSE.</p> <p>From this cor. point, AP6, sec. 14, bears N. 10°37' W., 5.28 chs. dist., hereinbefore described.</p> <hr/> <p style="text-align: center;">GENERAL DESCRIPTION</p> <hr/> <p>This survey is located approximately 4 miles north of the town of Topock, Arizona. The elevation averages around 700 feet above sea level and the soil is mostly sand.</p> <p>The vegetation is mostly creosote and cactus.</p> <p>Access to the survey area is by way of State Highway 95.</p> <p>There were no minerals noted in the survey area.</p>
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CERTIFICATE OF SURVEY

I, Clyde J. King, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of Special Instructions bearing date of the 14th day of February, 1994, I have dependently resurveyed a portion of the subdivision and a portion of a metes-and-bounds survey in section 14; and performed a metes-and-bounds survey in section 14 of Township 16 North, Range 21 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 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.

6/29/94
(Date)

Clyde J. King
(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 subdivision and a portion of a metes-and-bounds survey in section 14; and a metes-and-bounds survey in section 14 of Township 16 North, Range 21 West, Gila and Salt River Meridian, Arizona, executed by Clyde J. King, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

JUN 29 1994
(Date)

James P. Kelley
(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. 16 N., R. 21 W., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

~~(Date)~~

~~(Chief Cadastral Surveyor of Arizona)~~