

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES
OF THE

DEPENDENT RESURVEY OF

A PORTION OF THE NORTH BOUNDARY

AND A PORTION OF THE SUBDIVISIONAL LINES

AND

THE SUBDIVISION OF SECTION 5

IN

TOWNSHIP 3 SOUTH, RANGE 11 EAST

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

EXECUTED BY
Gordon R. Bubel, Cadastral Surveyor

Under Special Instructions dated November 23, 1998, approved November 23, 1998, which provided for the surveys included under Group Number 835 and assignment instructions dated November 23, 1998.

Survey commenced December 1, 1998
Survey completed December 9, 1998

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T. 3 S., R. 11 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of a portion of the north boundary and a portion of the subdivisional lines and the subdivision of section 5, Township 3 South, Range 11 East, Gila and Salt River Meridian, Arizona.

The history of surveys pertaining to this resurvey is as follows: In 1927 Theodore Vander Meer and Otto L. Draper surveyed the north boundary. In 1937 Roger F. Wilson, Albert Greene and Elliott Pearson surveyed the subdivisional lines.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated November 23, 1998, for Group No. 835, 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 distance and direction of all lines were determined by NAVSTAR GPS, using real time kinematic techniques, and refer to the true meridian. Trimble model 4400 GPS receivers were utilized to obtain the observables.

The geographic position of the 1/4 sec. cor. of secs. 5 and 8, was determined by NAVSTAR GPS, using the technique of real time kinematic positioning. U.S. Coast and Geodetic Survey triangulation station "PALO 1936" was used as the control station. The coordinates refer to the top of the monument.

Latitude: 33°11'34.19" N. Longitude: 111°14'31.11" W.
NAD83(1992)

The mean magnetic declination of 12° E. was derived from U.S. Geological Survey computer program MAGPOINT, utilizing the Regional Magnetic Field Model for Epoch 1995 for the dates of the survey.

Dependent Resurvey of a Portion of the North Boundary,
T. 3 S., R. 11 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p style="text-align: center;">Restoring the survey executed by Theodore Vander Meer and Otto L. Draper in 1927</p> <hr style="width: 20%; margin: auto;"/>
	<p>Beginning at the 1/4 sec. cor. of secs. 5 and 32, on the N. bdy. of the Tp., monumented with an iron post, 1 in. diam., firmly set, projecting 28 ins. above ground, in a mound of stone, 3 ft. base, 1 1/2 ft. high, with brass cap. mkd. 1/4 S32 S5 1927.</p>
	<p>Add the marks T2S R11E T3S 1998 to the brass cap and rebuild mound of stone, 3 1/2 ft. base to top.</p>
	<p>N. 89°58' W., bet. secs. 5 and 32.</p>
	<p>Over rolling and mountainous land.</p>
19.955	<p>Point for the W. 1/16 sec. cor. of secs. 5 and 32.</p>
	<p>Not monumented.</p>
34.15	<p>Bladed road, 30 lks. wide, bears NNE and SSW.</p>
39.91	<p>The cor. of secs. 5, 6, 31 and 32, monumented with an iron post, 2 ins. diam., firmly set, projecting 14 ins. above ground, in a mound of stone, 3 ft. base, 1 ft. high, with brass cap mkd. T2S R11E S31 S32 S6 S5 T3S 1927.</p>
	<p>Add the marks 1998 to the brass cap.</p>
	<hr/> <p style="text-align: center;">Dependent Resurvey of a Portion of the Subdivisional Lines, T. 3 S., R. 11 E., Gila and Salt River Meridian, Arizona</p> <hr/>
	<p style="text-align: center;">Restoring the survey executed by Roger F. Wilson, Albert Greene and Elliott Pearson in 1937</p> <hr style="width: 20%; margin: auto;"/>
	<p>From the 1/4 sec. cor. of secs. 5 and 8, monumented with an iron post, 1 in. diam., firmly set, projecting 14 ins. above ground, in a scattered mound of stone, with brass cap mkd. 1/4 S5 S8 1937.</p>
	<p>Add the marks T3S R11E 1998 to the brass cap and rebuild the mound of stone, 2 ft. base, to top.</p>
	<p>N. 89°49' W., bet. secs. 5 and 8.</p>
	<p>Over rolling and mountainous land.</p>

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 3 S., R. 11 E., Gila and Salt River Meridian, Arizona

CHAINS	
19.975	<p>Point for the W. 1/16 sec. cor. of secs. 5 and 8.</p> <p>Not monumented.</p>
39.95	<p>The cor. of secs. 5, 6, 7 and 8, monumented with an iron post, 2 ins. diam., firmly set, projecting 24 ins. above ground, in a mound of stone, 3 ft. base, 2 ft. high, with brass cap mkd. T3S R11E S6 S5 S7 S8 1937.</p> <p>Add the marks 1998 to the brass cap.</p> <hr/>
	<p>N. 0°18' W., bet. secs. 5 and 6.</p> <p>Over rolling land, through medium undergrowth.</p>
15.50	<p>Graded road, 24 lks. wide, bears ENE and WSW.</p>
19.985	<p>Point for the S. 1/16 sec. cor. of secs. 5 and 6.</p> <p>Not monumented.</p>
30.90	<p>Center of Cottonwood Wash, 2.5 chs. wide, course WSW.</p>
34.90	<p>Barbed wire fence, 4 strand, bears ENE and WSW.</p>
39.97	<p>The 1/4 sec. cor. of secs. 5 and 6, monumented with an iron post, 1 in. diam., firmly set, projecting 8 ins. above ground, with brass cap mkd. 1/4 S6 S5 1937.</p> <p>from which the remaining original bearing tree</p> <p style="padding-left: 40px;">A palo verde, 12 ins. diam., bears S. 74° W., 41 lks. dist., bark scribed 1/4 S6 BT. (Record, 40 lks. dist.)</p> <p>Add the marks T3S R11E 1998 to the brass cap.</p> <hr/>
	<p>N. 0°19' W., beginning new measurement.</p>
20.00	<p>Point for N. 1/16 sec. cor. of secs. 5 and 6.</p> <p>Not monumented.</p>
31.87	<p>The cor. of secs. 5, 6, 31 and 32, on the N. bdy. on the Tp.</p> <hr/>

Subdivision of Section 5,
T. 3 S., R. 11 E., Gila and Salt River Meridian, Arizona

CHAINS	
	From the 1/4 sec. cor. of secs. 5 and 8.
	N. 0°20' W., on the N. and S. center line of sec. 5.
	Over rolling and mountainous land.
19.99	Point for the center S. 1/16 sec. cor. of sec. 5.
	Not monumented.
39.98	Point for the center 1/4 sec. cor. of sec. 5, at intersection with the E. and W. center line of sec. 5.
	Not monumented.
49.00	Bladed road, 22 lks. wide, bears ENE and WSW.
59.945	Point for the center N. 1/16 sec. cor. of sec. 5.
	Not monumented.
71.945	The 1/4 sec. cor. of secs. 5 and 32, on the N. bdy. of the Tp.
	<hr/> From the 1/4 sec. cor. of secs. 4 and 5, monumented with an iron post, 1 in. diam., firmly set, projecting 22 ins. above ground, in a mound of stone, 4 ft. base, 1 1/2 ft. high, with brass cap mkd. 1/4 S5 S4 1937.
	Add the marks T3S R11E 1998 to the brass cap.
	N. 89°50' W., on the E. and W. center line of sec. 5.
	Over rolling and mountainous land.
39.79	The point for the center 1/4 sec. cor. of sec. 5.
54.76	Point for the center W-E-W 1/256 sec. cor. of sec. 5.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 21 ins. in the ground, with brass cap mkd.
	<p style="text-align: center;">T3S R11E W-E-W 1/256 C ————— C S5 1998</p>
	from which

Subdivision of Section 5,
T. 3 S., R. 11 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>An X chiseled on the top SW cor. of a quartz boulder, 7 x 5 x 3 ft. high, bears S. 29° E., 11 lks. dist.</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white plastic case beneath the stainless steel post.</p> <p>Raise a mound of stone, 4 ft. base, 2 ft. high, N. of cor.</p>
56.91	<p>Top of man made berm, bears N. 27° E. and S. 27° W.; thence across active ranching operation.</p>
59.01	<p>Barbed wire fence, 4 strand, bears SSE and NNW.</p>
59.75	<p>Point for the center W. 1/16 sec. cor. of sec. 5.</p> <p>Set an aluminum drive rod, 36 ins. long, 3/4 in. diam., 35 ins. in the ground, with aluminum cap mkd.</p> <p style="text-align: center;">T3S R11E W 1/16 C ————— C S5 1998</p>
64.74	<p>Cor. is located on the easterly edge of a graded road, 24 lks. wide, bears SSE and NNW.</p> <p>Point for the center E-W-W 1/256 sec. cor. of sec. 5.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 21 ins. in the ground, encircled with a collar of stone, with brass cap mkd.</p> <p style="text-align: center;">T3S R11E E-W-W 1/256 C ————— C S5 1998</p>
68.10	<p>Deposit a magnet in a 1 x 1 x 2 ins. white plastic case beneath the stainless steel post.</p> <p>Cor. is located on the westerly side of a gully, 32 lks. W. of bottom, course S.</p> <p>Barbed wire fence, 4 strand, bears ENE and SSW; thence across livestock corral.</p>
78.39	<p>Barbed wire fence, 4 strands, bears S 24° E. and N. 24° W. for 22 lks., then N. 3° W.; leave livestock corral.</p>

Subdivision of Section 5,
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CHAINS	
79.71	The 1/4 sec. cor. of secs. 5 and 6.
	<p style="text-align: center;">SW 1/4 Section 5</p> <hr style="width: 20%; margin: auto;"/> <p>From the point for the W. 1/16 sec. cor. of secs. 5 and 8. N. 0°19' W., on the N. and S. center line of the SW 1/4 of sec. 5.</p> <p>Over rolling and mountainous land.</p>
19.99	<p>Point for the SW 1/16 sec. cor. of sec. 5, at intersection with the E. and W. center line of the SW 1/4 of sec. 5.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, encircled with a collar of stone, with brass cap mkd.</p> <p style="text-align: center;">T3S R11E SW 1/16 S5 1998</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white plastic case beneath the stainless steel post, and set a steel fence post nearby.</p> <p>Cor. is located 6 lks. N. of the northly edge of a bladed road, 21 lks. wide, bears E. curving southerly and WSW.</p>
29.98	<p>Point for the center N-SW 1/64 sec. cor. of sec. 5.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 21 ins. in the ground, encircled with a collar of stone, with brass cap mkd.</p> <p style="text-align: center;">T3S R11E S5 C-N-SW 1/64 1998</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white plastic case beneath the stainless steel post.</p>
34.975	<p>Point for the center N-N-SW 1/256 sec. cor. of sec. 5</p> <p>Set a brass tablet, 3 1/4 ins. diam., 3 1/2 ins. stem, in a drill hole, cemented in place, flush with the face of a granite outcropping, 20 x 12 x 15 ft. high, with brass tablet mkd.</p>

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CHAINS	
	<p style="text-align: center;">T3S R11E S5 C-N-N-SW 1/256 1998</p>
35.35	Center of Cottonwood wash, 1 ch. wide, course WSW; thence across ranching operation.
39.97	The center W. 1/16 sec. cor. of sec. 5.
	<hr/> <p>From the point for the center S. 1/16 sec. cor. of sec. 5. N. 89°49' W., on the E. and W. center line of the SW 1/4 of sec. 5. Over rolling and mountainous land.</p>
14.97	<p>Point for the center W-E-SW 1/256 sec. cor. of sec. 5.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 12 ins. in the ground, to bedrock, in a mound of stone, 5 ft. base, to top, with brass cap mkd.</p>
	<p style="text-align: center;">T3S R11E S5 C-W-E-SW 1/256 1998</p>
19.96	Deposit a magnet in a 1 x 1 x 2 ins. white plastic case beneath the stainless steel post.
19.96	The SW 1/16 sec. cor. of sec. 5.
39.93	The point for the S. 1/16 sec. cor. of secs. 5 and 6.
	<hr/> <p>From the center W-E-SW 1/256 sec. cor. of sec. 5. N. 0°19' W., on the N. and S. center line of the SW 1/4 of the NE 1/4 of the SW 1/4 of sec. 5. Over rolling land.</p>
9.99	<p>Point for the center W-NE-SW 1/256 sec. cor. of sec. 5.</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, 5 ft. base, to top, with brass cap mkd.</p>

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CHAINS	
	<p style="text-align: center;">T3S R11E S5 C-W-NE-SW 1/256 1998</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white plastic case beneath the stainless steel post.</p> <hr/>
<p>4.80</p> <p>9.99</p>	<p>N. 0°19' W., on the N. and S. center line of the NW 1/4 of the NE 1/4 of the SW 1/4 of sec. 5.</p> <p>Over rolling land.</p> <p>From this point, the most westerly point of a water tank, 30 ft. circumference, 16 ft. high, bears E., 37 lks. dist.</p> <p>The center W-E-W 1/256 sec. cor. of sec. 5.</p> <hr/>
<p>1.70</p> <p>4.99</p>	<p>From the center N-N-SW 1/256 sec. cor. of sec. 5.</p> <p>N. 89°50' W., on a portion of the E. and W. center line of the NE 1/4 of the NW 1/4 of the SW 1/4 of sec. 5.</p> <p>Across bed of Cottonwood Wash.</p> <p>Leave Cottonwood wash, course WNW.</p> <p>Point for the NE-NW-SW 1/256 sec. cor. of sec. 5.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 19 ins. in the ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd.</p>
<p>0.25</p>	<p style="text-align: center;">T3S R11E S5 NE-NW-SW 1/256 1998</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white plastic case beneath the stainless steel post.</p> <hr/> <p>N. 0°19' W., on a portion of the N. and S. center line of the NE 1/4 of the NW 1/4 of the SW 1/4 of sec. 5.</p> <p>Left bank of Cottonwood wash, and the southerly edge of road, bears ENE and WSW.</p>

Subdivision of Section 5,
T. 3 S., R. 11 E., Gila and Salt River Meridian, Arizona

CHAINS	
0.50	Northerly edge of same road.
2.10	Right bank of Cottonwood wash, course WSW.
4.995	The center E-W-W 1/256 sec. cor. of sec. 5.
<hr/> <p>NW 1/4 Section 5</p> <hr/>	
	From the center W. 1/16 sec. cor. of sec. 5.
	N. 0°19' W., on the N. and S. center line of the NW 1/4 of sec. 5.
	Over ranching operation.
1.13	Barbed wire fence, 4 strand, bears S. 39° E. and N. 39° W.
4.995	Point for the center S-S-NW 1/256 sec. cor. of sec. 5.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, with brass cap mkd.
	<p>T3S R11E S5 C-S-S-NW 1/256 1998</p>
	Deposit a magnet in a 1 x 1 x 2 ins. white plastic case beneath the stainless steel post.
6.00	Leave ranching operation, enter rolling land.
19.98	Point for the NW 1/16 sec. cor. of sec. 5, at intersection with the E. and W. center line of the NW 1/4 of sec. 5.
	Not monumented.
31.915	The point for the W. 1/16 sec. cor. of secs. 5 and 32, on the N. bdy. of the Tp.
<hr/>	
	From the point for the center N. 1/16 sec. cor. of sec. 5.
	N. 89°47' W., on the E. and W. center line of the NW 1/4 of sec. 5.
19.96	The point for the NW 1/16 sec. cor. of sec. 5.

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CHAINS	
39.92	<p>The point for the N. 1/16 sec. cor. of secs. 5 and 6.</p> <hr/> <p>From the center E-W-W 1/256 sec. cor. of sec. 5.</p> <p>N. 0°19' W., on a portion of the N. and S. center line of the SE 1/4 of the SW 1/4 of the NW 1/4 of sec. 5.</p>
1.41	<p>Barbed wire fence, 4 strand, bears S. 30° E. and N. 30° W. for 14 lks., then S. 66° W.; enter ranching operation.</p>
4.995	<p>Point for the SE-SW-NW 1/256 sec. cor. of sec. 5.</p> <p>Set an aluminum drive rod, 36 ins. long, 3/4 in. diam., 35 ins. in the ground, with aluminum cap mkd.</p> <p style="text-align: center;">T3S R11E S5 SE-SW-NW 1/256 1998</p> <p>From this cor. point, the cor. of fences, 4 strand barbed wire, bears N. 60° E., 176 lks. dist, with fences extending S. 40° E., N. 40° W. and S. 73° W.</p> <hr/> <p>S. 89°49' E., on a portion of the E. and W. center line of the SE 1/4 of the SW 1/4 of the NW 1/4 of sec. 5.</p>
2.25	<p>Barbed wire fence, 4 strand, bears S. 40° E. and N. 40° W.</p>
4.99	<p>The center S-S-NW 1/256 sec. cor. of sec. 5.</p> <hr/> <p style="text-align: center;">GENERAL DESCRIPTION</p> <p>Section 5, Township 3 South, Range 11 East is situated in the foothills of the Tortilla Mountains, approximately 20 miles NNE of the Town of Florence.</p> <p>The terrain is rolling with elevations ranging from about 2200 ft. to 2700 ft. above sea level. Cottonwood wash is the dominant water course, entering the section about 15 chains N. of the E. 1/4 sec. cor., crossing the section in a westerly direction, and leaving the section about 10 chains S. of the W. 1/4 sec. cor. The vegetation consist of saguaros, palo verdes, chollas, and scattered grasses.</p>

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CHAINS

The ranch headquarters for the LAN ranch, lies in the SE 1/4 of the SW 1/4 of the NW 1/4. Two mining shafts and various mining chemicals and paraphernalia are located in the SW 1/4 of the SW 1/4 of the NE 1/4 of the SW 1/4. Several steel drums of chemicals and mining by-products, junked cars, and a mobile home are present in the NW 1/4 of the NW 1/4 of the SE 1/4 of the SW 1/4.

Access is by way of Arizona Hwy. No. 79, approximately 6 miles south of Florence Junction, thence easterly on Cottonwood Canyon road for about 6 miles.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Stephen K. Hansen	Land Surveyor
W. William Foster	Surveying Technician
Cheryl A. Hansen	Surveying Technician
Robert J. Lyle	Surveying Technician
Mark R. Searles	Surveying Technician

CERTIFICATE OF SURVEY

I, Gordon R. Babel, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of Special Instructions bearing date of the 23rd day of November, 1998, I have dependently resurveyed a portion of the north boundary and a portion of the subdivisional lines and subdivided section 5, Township 3 South, Range 11 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.

JAN. 11, 1998

(Date)

Gordon R. Babel

(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 north boundary and a portion of the subdivisional lines and the subdivision of section 5, Township 3 South, Range 11 East, Gila and Salt River Meridian, Arizona, executed by Gordon R. Babel, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

Feb. 23, 1999

(Date)

Kenny D. Rawnskar

(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. 3 S., R. 11 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

~~_____~~
(Date)

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