

BOOK 5233

2

INDEX DIAGRAM

TOWNSHIP 15 SOUTH, RANGE 12 EAST,

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T 15 S, R 12 E, Gila and Salt River Mer., Arizona

CHAINS

The following field notes describe the corrective dependent resurvey of a portion of the line between sections 22 and 27, and also the corrective survey of the subdivision of section 22, Township 15 South, Range 12 East, Gila and Salt River Meridian, Arizona.

A portion of the subdivisional lines were surveyed by John F. Hesse in 1915. The south boundary of section 22 (north boundary of the Papago Indian Reservation) was surveyed by L. D. Chillson, in 1888, and resurveyed by Charles M. Leedy, in 1915. The boundaries of section 22 were resurveyed in 1983, by Dennis K. McKay, who at the same time subdivided section 22.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, the Special Instructions dated April 29, 1983, and the Supplemental Instructions dated May 19, 1986, for Group No. 642, Arizona.

Preliminary to the resurvey, a portion of the line between sections 22 and 27 was retraced and search was made for all corners and other calls of the record. It was determined that the $\frac{1}{4}$ sec. cor. of secs. 22 and 27, as found in the 1983 resurvey by Dennis McKay, was not in its original position as set in 1915, and did not agree with local ground conditions, necessitating this corrective resurvey. The $\frac{1}{4}$ section corner was restored to its original position and section 22 was correctively subdivided. 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 solar observation and refer to the true meridian. Distances and angles were measured with a Zeiss Elta 46 total station.

The geographic position of the southeast cor. of section 22, as computed using the information shown on the official plat of T 15 S, R 12 E, accepted May 22, 1985, is as follows:

Latitude: $32^{\circ}06'15.22''$ N Longitude: $111^{\circ}05'48.50''$ W

The mean magnetic declination is 13° E.

Corrective Dependent Resurvey of a Portion of
the Line bet. Secs. 22 and 27,
T 15 S, R 12 E, Gila and Salt River Mer., Arizona

(Correction of a portion of the dependent resurvey
executed by Dennis K. McKay, in 1983,
reestablishing the resurvey performed by
Charles M. Leedy, in 1915.)

Beginning at the E $\frac{1}{16}$ sec. cor. of secs. 22 and 27, monumented with an iron post, 1 in. diam., projecting 10 ins. above ground, with brass cap mkd.

E $\frac{1}{16}$ $\frac{S22}{S27}$
PIR
1915

Corrective Dependent Resurvey of a Portion of
the Line bet. Secs. 22 and 27,
T 15 S, R 12 E, Gila and Salt River Mer., Arizona

CHAINS		
	<p>Cor. is located in barb wire fence, bears E and W. S 89°46' W, bet. secs. 22 and 27. Over level land, along barbed wire fence.</p>	
20.12	<p>The $\frac{1}{4}$ sec. cor. of secs. 22 and 27, monumented with a rebar, 18 ins. long, $\frac{5}{8}$ in. diam., projecting 3 ins. above the ground, established by Tom F. Luckow, Land Surveyor No. 4080, AZ, and under the rebar a clearly identifiable hole, 1 in. diam., 18 ins. deep, with bits of rust from the original monument. This position is harmoniously related to other original cors. and agrees with the position of the cor. when tied in by Earl D. Smitha, Land Surveyor No. 4532, AZ, in 1972, while subdividing the SW$\frac{1}{4}$ of sec. 22.</p> <p>From this point the monument erroneously accepted in 1983, bears N 88°10' W, 25.6 lks. dist., an iron post, 36 ins. long, 1 in. diam., projecting 16 ins. above ground, with brass cap mkd. as described in the official record of the 1983 dependent resurvey of T 15 S, R 12 E.</p> <p>I removed the iron post from its found position and at the cor. point</p> <p>Set a stainless steel post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T15S R12E $\frac{1}{4}$ $\frac{S22}{S27}$ PIR 1986</p> <p>Deposit the old iron post and the rebar alongside the stainless steel post.</p> <p>Deposit a magnet in a 1 x 1 x 2 $\frac{5}{8}$ in. white plastic case beneath the stainless steel post.</p>	
20.11	<p>S 89°54' W, beginning new measurement.</p> <p>The W $\frac{1}{16}$ sec. cor. of secs. 22 and 27, monumented with an iron post, 1 in. diam., projecting 13 ins. above ground, with brass cap mkd.</p> <p style="text-align: center;">W $\frac{1}{16}$ $\frac{S22}{S27}$ PIR 1915</p> <p>Cor. is located in a barbed wire fence, bears E and W.</p>	
	<p>Corrective Subdivision of Section 22, T 15 S, R 12 E, Gila and Salt River Mer., Arizona</p>	
	<p>(Correction of the subdivision of Section 22, T 15 S, R 12 E, executed by Dennis K. McKay, in 1983.)</p>	

Corrective Subdivision of Section 22,
T 15 S, R 12 E, Gila and Salt River Mer., Arizona

CHAINS

N 0°03' W, on the N and S center line of sec. 22.

Over level desert land.

20.04

The C-S 1/16 sec. cor. of sec. 22, monumented with a rebar, 18 ins. long, 5/8 in. diam., projecting 1 in. above the ground, with a tag mkd. 4532, established by Earl D. Smitha, Land Surveyor No. 4532, AZ, in 1972, while subdividing the SW $\frac{1}{4}$ of sec. 22, and is accepted as a careful and faithful determination of the corner position. From this point, the monument erroneously set in 1983, bears N 89° W, 19.5 lks. dist., an aluminum post, 36 ins. long, $\frac{3}{4}$ in. diam., projecting 4 ins. above ground, with aluminum cap mkd. as described in the official record of the 1983 subdivision of sec. 22, T 15 S, R 12 E.

I removed the aluminum post from its found position and at the cor. point

Reset the aluminum post, 32 ins. in the ground, in a mound of stone, 2 $\frac{1}{2}$ ft. base, to top, and add marks to the aluminum cap to read:

T15S R12E
C
S 1/16 | S 22
C
1986
1983

Reset the rebar alongside the aluminum post.

Set a steel fence post alongside the cor.

N 0°04' W, beginning new measurement.

Over level desert land.

20.02

The C $\frac{1}{4}$ sec. cor. of sec. 22, monumented with a rebar, 18 ins. long, 5/8 in. diam., flush with the ground, with an aluminum cap mkd. NEWLIN PE 1918, established by Philip Newlin, Civil Engineer, No. 1918, AZ, and is accepted as a careful and faithful determination of the corner position. From this point, the monument erroneously set in 1983, bears N 85° W, 12.5 lks. dist., an aluminum post, 36 ins. long, $\frac{3}{4}$ in. diam., projecting 5 ins. above ground, with aluminum cap mkd. as described in the official record of the 1983 subdivision of sec. 22, T 15 S, R 12 E.

I removed the aluminum post from its found position and at the cor. point

Reset the aluminum post, 20 ins. in the ground, in a mound of stone and brick 3 ft. base, to top, and add marks to the aluminum cap to read:

T15S R12E
C $\frac{1}{4}$ S22
1986
1983

Reset the rebar alongside the aluminum post.

Corrective Subdivision of Section 22,
T 15 S, R 12 E, Gila and Salt River Mer., Arizona

CHAINS	
	<p>Set a steel fence post alongside the cor.</p> <hr/> <p>N 0°03' W, beginning new measurement.</p> <p>Over level desert land</p>
40.04	<p>The ¼ sec. cor. of secs. 15 and 22, monumented with an iron post, 1 in. diam., projecting 12 ins. above ground, with brass cap mkd.</p> <p style="text-align: center;">¼ $\frac{S15}{S22}$ 1915</p> <p>A steel fence post is alongside the cor.</p> <hr/>
	<p>From the ¼ sec. cor. of secs. 22 and 23, monumented with an iron post, 1 in. diam., projecting 2 ins. above ground, with brass cap mkd.</p> <p style="text-align: center;">¼ S22 S23 1915</p> <p>A steel fence post is alongside the cor.</p> <p>S 89°50' W, on the E and W center line of sec. 22.</p> <p>Over level desert land</p>
20.07	<p>Point for the C-E 1/16 sec. cor. of sec. 22. From this point, the monument erroneously set in 1983, bears N 85°30' W, 6.2 lks. dist., an aluminum post, 36 ins. long, ¾ in. diam., projecting 4 ins. above the ground, with cap mkd. as described in the official record of the 1983 subdivision of sec. 22, T 15 S, R 12 E.</p> <p>I removed the aluminum post from its found position and at the cor. point</p> <p>Reset the aluminum post, 28 ins. in the ground, in a mound of brick, 2½ ft. base, to top, and add marks to the aluminum cap to read:</p> <p style="text-align: center;">T15S R12E C $\frac{E 1/16}{S22}$ C 1986 1983</p>
40.14	<p>Set a steel fence post alongside the cor.</p> <p>The C ¼ sec. cor. of sec. 22.</p> <hr/>
40.14	<p>S 89°52' W, beginning new measurement.</p> <p>The ¼ sec. cor. of secs. 21 and 22, monumented with an iron post, 1 in. diam., projecting 10 ins. above ground, with brass cap mkd.</p> <p style="text-align: center;">¼ S21 S22 1915</p>

Corrective Subdivision of Section 22,
T 15 S, R 12 E, Gila and Salt River Mer., Arizona

CHAINS

A steel fence post is alongside the cor.

Corrective Subdivision of the SE $\frac{1}{4}$
of Section 22

From the E 1/16 sec. cor. of secs. 22 and 27.

N 0°07' W, on the N and S center line of the SE $\frac{1}{4}$ of
sec. 22.

20.005 Point for the SE 1/16 sec. cor. of sec. 22, at
intersection with the E and W center line of the SE $\frac{1}{4}$ of
sec. 22. From this point, the monument erroneously set
in 1983, bears S 86°15' W, 3.1 lks. dist., an iron
post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., projecting 5 ins.
above the ground, with cap mkd. as described in the
official record of the 1983 subdivision of sec. 22,
T 15 S, R 12 E.

Set a stainless steel post, 28 ins. long, 2 $\frac{1}{2}$ ins.
diam., 21 ins. in the ground, with brass cap mkd.

T15S R12E
SE 1/16 S22
1986

Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic
case beneath the stainless steel post.

Set a steel fence post alongside the cor.

I removed and destroyed the 1983 monument.

40.025 The C-E 1/16 sec. cor. of sec. 22.

From the S 1/16 sec. cor. of secs. 22 and 23,
monumented with an aluminum post, $\frac{3}{4}$ in. diam.,
projecting 3 ins. above the ground, with cap mkd.

T15S R12E
S 1/16
S22 | S23
1983

from which

An iron post, 2 $\frac{1}{2}$ ins. diam., projecting 10 ins.
above the ground, bears S 35°05' W, 38.25 ft.
dist., with brass cap mkd. T15S R12E S 1/16 S22
RM 38.25 FT 1983, and an arrow pointing to the
cor. A steel fence post is alongside the RM.

An iron post, 2 $\frac{1}{2}$ ins. diam., projecting 11 ins.
above the ground, bears N 54°25' W, 36.32 ft.
dist., with brass cap mkd. T15S R12E S 1/16 S22
RM 36.32 FT 1983, and an arrow pointing to the
cor. A steel fence post is alongside the RM.

S 89°50' W, on the E and W center line of the SE $\frac{1}{4}$ of
sec. 22.

Over level desert ground.

Corrective Subdivision of Section 22,
T 15 S, R 12 E, Gila and Salt River Mer., Arizona

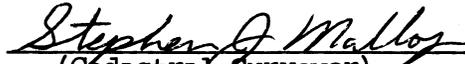
CHAINS	The SE 1/16 sec. cor. of sec. 22
20.005	The C-S 1/16 sec. cor. of sec. 22
40.105	<hr/> <p style="text-align: center;">GENERAL DESCRIPTION</p> <p>The area encompassed in this corrective dependent resurvey is located about 10 miles SE of Tucson, Arizona, and adjoins a portion of the Papago Indian Reservation. The elevation is about 2500 feet above sea level. The soil is caliche and supports an abundant amount of mesquite, creosote, and various cacti.</p> <p>The magnetic declination is 13° E.</p> <hr/>

CERTIFICATE OF SURVEY

I, Stephen J. Malloy, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 29th day of April 1983, and supplemental special instructions dated May 19, 1986, I have executed a corrective dependent resurvey of a portion of the line between sections 22 and 27, and also the corrective survey of the subdivision of section 22, Township 15 South, Range 12 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.

NOV 05 1986

(Date)



(Cadastral Surveyor)

(Date)

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

Bureau of Land Management

The foregoing field notes of the corrective dependent resurvey of a portion of the line between sections 22 and 27, and also the corrective survey of the subdivision of section 22, T 15 S, R 12 E, Gila and Salt River Meridian, Arizona, executed by Stephen J. Malloy, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

NOV 06 1986

(Date)



(Chief Cadastral Surveyor for Arizona)