ORIGINAL

BOOK 5378

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF THE

DEPENDENT RESURVEY OF

A PORTION OF THE SUBDIVISIONAL LINES,

AND

THE SUBDIVISION AND

A METES-AND-BOUND SURVEY

IN SECTION 17

TOWNSHIP 22 SOUTH, RANGE 8 EAST

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

EXECUTED BY
Clyde J. King, Cadastral Surveyor

Under Special Instructions dated November 24, 1992, approved November 25, 1992, which provided for the surveys included under Group Number 751 and assignment instructions dated November 30, 1992.

Survey commenced December 1, 1992
Survey completed January 6, 1993

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T. 22 S., R. 8 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes are those of the dependent resurvey of a portion of the subdivision lines and the subdivision and a metes-and-bound survey in section 17 in Township 22 South, Range 8 East, Gila and Salt River Meridian, Arizona.

The request for survey was made by the United States Department of the Interior Fish and Wildlife Service. This survey was requested to segregate federal lands in order to facilitate the Sasabe Exchange.

The history of surveys pertaining to this resurvey is as follows:

The subdivision lines were surveyed by George J. Roskruge, U.S. Deputy Surveyor, in 1886.

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 24, 1992, for Group No. 751, 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 cor. of secs. 8, 9, 16, and 17, as determined from a tie made to U.S. Geological Survey triangulation station "Sasabe", located in the NE quarter of section 8, is as follows:

Latitude: 31°31'15.66" N. Longitude: 111°32'16.11" W. NAD 27

The mean magnetic declination as taken from quadrangle map Presumido Peak, ARIZ., published in 1979 by U.S. Geological Survey, is 12 1/2° E.

BOOK 5378

Dependent Resurvey of a Portion of the Subdivision Lines,
T. 22 S., R. 8 E., Gila and Salt River Mer., Arizona

CHAINS	
	Restoring the survey executed by George J. Roskruge, in 1886
	Beginning at the cor. of secs. 16, 17, 20, and 21, monumented with a granite stone, 21 x 12 x 10 ins., firmly set, projecting 8 ins. above ground, mkd. with 3 grooves on the S. face, and 4 grooves on the E. face.
	At the cor. point
	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.
	T22S R8E S17 | S16 ———+——— S20 | S21 1992
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.
	Bury the mkd. stone alongside the stainless steel post.
	N. 0°02' W., bet. secs. 16 and 17.
	Over rolling land, through scattered mesquite and grass land.
20.06	Point for the S. 1/16 sec. cor. of secs. 16 and 17.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, with brass cap mkd.
	T22S R8E S 1/16 S17|S16 1993
	from which
	A mesquite, 20 ins. diam., bears S. 73 1/2° W., 130 lks. dist., mkd. S 1/16 S17 BT.
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.

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Dependent Resurvey of a Portion of the Subdivision Lines,
T. 22 S., R. 8 E., Gila and Salt River Mer., Arizona

CHAINS	
40.12	Point for the 1/4 sec. cor. of secs. 16 and 17 determined by the position of a granite stone, 18 x 10 x 5 ins., mkd. 1/4, lying loose. This is accepted as the best available evidence of the original cor. position. At the cor. point Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T22S R8E 1/4 S17 | S16 1992 from which A hackberry, 10 ins. diam., bears S. 43° W., 109 lks. dist., mkd. 1/4 S17 BT. Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post. Cor. point was occupied by an aluminum pipe, 2 1/2 ins. diam., projecting 4 ins. above ground, with cap mkd. FWS 1/4 T22S R8E S17 S16 1992. Bury the stone and the aluminum pipe alongside the stainless steel post. --- North, beginning a new measurement. Over rolling land, through scattered mesquite and grass land.
40.03	Point for the cor. of secs. 8, 9, 16, and 17, at proportionate dist.; there is no remaining evidence of the original cor.

Dependent Resurvey of a Portion of the Subdivision Lines,
T. 22 S., R. 8 E., Gila and Salt River Mer., Arizona

CHAINS	
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 21 ins. in the ground, with brass cap mkd. T22S R8E S8 | S9 S17 | S16 1992 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post. From this cor. point, U.S. Coast and Geodetic Survey triangulation station "Sasabe", with published latitude of 31°31'41.198" N. and longitude of 111°32'27.555" W., NAD27, bears N. 21°00.2' W., 41.886 chs. dist., monumented with a standard brass disk, 3 ins. diam., cemented flush with the surface of granite bedrock, with top of disk mkd. Sasabe 1935 and a triangle.
	From the 1/4 sec. cor. of secs. 9 and 16, monumented with a granite stone, 12 x 10 x 10 ins., firmly set, projecting 5 ins. above ground, mkd. 1/4 on the N. face. At the cor. point Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground with brass cap mkd. T22S R8E S9 1/4 —— S16 1993 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post. Bury the stone alongside the stainless steel post. N. 89°57' W., bet. secs. 9 and 16. Over rolling land, through scattered mesquite and grass land.
40.12	The cor. of secs. 8, 9, 16, and 17.

Dependent Resurvey of a Portion of the Subdivision Lines,
T. 22 S., R. 8 E., Gila and Salt River Mer., Arizona

CHAINS	
	N. 0°04' W., bet. secs. 8 and 9.
	Over rolling land, through scattered mesquite and grass land.
40.03	The 1/4 sec. cor. of secs. 8 and 9, monumented with a granite stone, 15 x 8 x 8 ins., firmly set, projecting 9 ins. above ground, mkd. 1/4 on the W. face.
	At the cor. point
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground with brass cap mkd.
	T22S R8E 1/4 S8 | S9 1993
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.
	Bury the stone alongside the stainless steel post.

	From the cor. of secs. 16, 17, 20, and 21.
	S. 88°31' W., bet. secs. 17 and 20.
	Over rolling land, through scattered mesquite and grass land.
20.145	Point for the E 1/16 sec. cor. of secs. 17 and 20.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 21 ins. in the ground, with brass cap mkd.
	T22S R8E S17 E 1/16 —— S20 1992
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.

Dependent Resurvey of a Portion of the Subdivision Lines,
T. 22 S., R. 8 E., Gila and Salt River Mer., Arizona

CHAINS	
34.945	Center line of Arizona State Highway 286, asphalt surfaced, 40 lks. wide, bears N. and S.
35.73	Point for a witness point at intersection with the westerly right-of-way of Arizona State Highway 286. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd. WP T22S R8E S17 —— S20 1993 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.
35.81	Barbed wire fence, 3 strand, bears N. and S.
40.29	The 1/4 sec. cor. of secs. 17 and 20, monumented with a granite stone, 12 x 10 x 15 ins., firmly set, projecting 8 ins. above ground, mkd. 1/4 on the N. face, from which the remains of the bearing tree of record a mesquite stump, 16 ins. diam., bears N.60° W., 89 lks. dist., with illegible marks on prominent 4 in. blaze. (Record: N. 60° W., 90 lks.) At the cor. point Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, with brass cap mkd. T22S R8E S17 1/4 —— S20 1992 from which A mesquite, 6 ins. diam., bears S. 68° W., 89 lks. dist., mkd. X BT. Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post. Bury the stone alongside the stainless steel post.

Dependent Resurvey of a Portion of the Subdivision Lines,
T. 22 S., R. 8 E., Gila and Salt River Mer., Arizona

CHAINS	
	N. 88°29' W., beginning a new measurement.
	Over rolling land, through scattered mesquite and grass land.
40.00	The cor. of secs. 17, 18, 19, and 20, monumented with a granite stone, 14 x 8 x 6 ins., firmly set, projecting 6 ins. above ground, mkd. with 3 grooves on the S. face and 5 grooves on the E. face.
	At the cor. point
	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.
	T22S R8E S18 | S17 S19 | S20 1992
	from which
	A mesquite, 20 ins. diam., bears N. 15 1/4° E., 274 lks. dist., mkd. T22S R8E S17 BT.
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.
	Bury the stone alongside the stainless steel post.
	Cor. is located 42 lks. S. of a powerline, 4 strand, bears E. and W.
	N. 0°02' W., bet. secs. 17 and 18.
	Over rolling land, through scattered mesquite and grass land.
40.00	Point for the 1/4 sec. cor. of secs. 17 and 18, at proportionate dist.; there is no remaining evidence of the original cor.

Dependent Resurvey of a Portion of the Subdivision Lines,
T. 22 S., R. 8 E., Gila and Salt River Mer., Arizona

CHAINS	
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T22S R8E 1/4 S18 | S17 1993 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post. Cor. is located 30 lks. N. of a wash, drains ESE.
80.00	The cor. of secs. 7, 8, 17, and 18, monumented with a granite stone, 18 x 10 x 7 ins., firmly set, projecting 11 ins. above ground, mkd. with 4 grooves on the S. face and 5 grooves on the E. face, from which the remains of a bearing tree of record A dead mesquite, 11 ins. diam., bears S. 46 3/4° W., 182 lks. dist., with illegible marks on open blaze. (Record: S. 47° W., 174 lks.) At the cor. point Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 10 ins. in the ground, to bedrock, supported in a mound of stone, 4 ft. base, to top, with brass cap mkd. T22S R8E S8 | S9 S18 | S17 1992 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post. Deposit the mkd. stone alongside the stainless steel post, in the supporting mound of stone.
	From the cor. of secs. 8, 9, 16, and 17. S. 89°31' W., bet. secs. 8 and 17.

Dependent Resurvey of a Portion of the Subdivision Lines,
T. 22 S., R. 8 E., Gila and Salt River Mer., Arizona

CHAINS	
	Over rolling land, through scattered mesquite and grass land.
16.75	Center line of Arizona State Highway 286, asphalt surfaced, 40 lks. wide, bears NNE and SSW.
40.23	The 1/4 sec. cor. of secs. 8 and 17, monumented with a granite stone, 16 x 12 x 10 ins., firmly set, projecting 8 ins. above ground, mkd. 1/4 on the N. face. A rebar, 1/2 ins. diam, firmly set, flush with the ground, with aluminum cap mkd., WC T22S R8E S8 S17 1992 is set alongside the stone. At the cor. point 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. T22S R8E S8 1/4 —— S17 1992 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post. Bury the stone and rebar alongside the stainless steel post.
	N. 89°43' W., beginning new measurement. Over rolling land, through scattered mesquite and grass land.
40.07	The cor. of secs. 7, 8, 17, and 18.

The Subdivision of Section 17,
T. 22 S., R. 8 E., Gila and Salt River Mer., Arizona

From the 1/4 sec. cor. of secs. 17 and 20.

N. 0°02' E., on the N. and S. center line of sec. 17.

Over rolling land, through scattered mesquite and grass land.

The Subdivision of Section 17,
T. 22 S., R. 8 E., Gila and Salt River Mer., Arizona

CHAINS	
20.55	Point for the Center S 1/16 sec. cor. of sec. 17. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd. T22S R8E C S1/16 | S17 C 1992 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post. Point was occupied by an aluminum pipe, 1/2 ins. in diam., flush with the ground, with aluminum cap mkd. FWS C-S 1/16 S17 1992. Deposit alongside the stainless steel post.
41.10	Point for the Center 1/4 sec. cor. of sec. 17 at intersection with the E. and W. center line of section 17. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground,with brass cap mkd. T22S R8E C1/4 S17 1993 from which A mesquite, 11 ins. diam., bears N. 23° E., 18 lks. dist., mkd. C 1/4 S17 BT. Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.
80.85	The 1/4 sec. cor. of secs. 17 and 8.

	From the 1/4 sec. cor. of secs. 16 and 17. S. 89°56' W., on the E. and W. center line of sec. 17. Over rolling land, through scattered mesquite and grass land.
20.125	Point for the Center E 1/16 sec. cor. of sec. 17.

The Subdivision of Section 17,
T. 22 S., R. 8 E., Gila and Salt River Mer., Arizona

CHAINS	
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd. T22S R8E E 1/16 C———C S17 1992 from which A Mesquite, 6 ins. diam., bears S. 80 3/4° W., 38.0 lks. dist., mkd. X BT.
40.25	The Center 1/4 sec. cor. of sec. 17.
80.27	The 1/4 sec. cor. of secs. 17 and 18.
	SE 1/4 Section 17
	From the E 1/16 sec. cor. of secs. 17 and 20. North, on the N. and S. center line of the SE 1/4, sec. 17. Over rolling land, through scattered mesquite and grass land.
20.305	Point for the SE 1/16 sec. cor. of sec. 17 at intersection with the E. and W. center line of the SE 1/4 of sec. 17. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. T22S R8E SE 1/16 S17 1993 Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.
40.61	The Center E 1/16 sec. cor. of sec. 17.

The Subdivision of Section 17,
T. 22 S., R. 8 E., Gila and Salt River Mer., Arizona

CHAINS	
	From the S 1/16 sec. cor. of secs. 16 and 17.
	S. 89°13' W., on the E. and W. center line of the SE 1/4 of sec. 17.
	Over rolling land, through scattered mesquite and grass land.
20.14	The SE 1/16 sec. cor. of sec. 17.
33.15	Center line of Arizona State Highway 286, asphalt surfaced, 40 lks. wide, bears NE and SW.
33.95	Point for a witness point at intersection with the westerly right-of-way of Arizona State Highway 286.
	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.
	WP T22S R8E S17 1993
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.
	From this cor. point, a rebar, 1/2 ins. diam., firmly set, flush with the ground, with aluminum cap mkd. FWS S 1/16 LINE S17 W ROW 1992, bears N. 35°27' W., 2 lks. dist.
34.00	Barbed wire fence, 4 strand, bears NE and SW.
40.28	Point for the Center S 1/16 sec. cor. of sec. 17.

Metes-and-Bounds Survey in Section 17,
T. 22 S., R. 8 E., Gila and Salt River Mer., Arizona

The centerline of Arizona State Highway 286 was determined by using the physical center of the existing pavement. This metes-and-bounds survey was run 50 ft. westerly and parallel to the above mention centerline.

From the witness point on the line between secs. 17 and 20, hereinbefore described.

Metes-and-Bounds Survey in Section 17,
T. 22 S., R. 8 E., Gila and Salt River Mer., Arizona

CHAINS	
	N. 0°46' E. on the westerly right-of-way of State Highway 286.
9.98	Point of curvature. Not monumented. Thence along a 2°17'13" circular curve to the right, having a radius of 2505.4 ft., the chord of said arc bears N. 8°46' E., 10.665 chs. dist.
10.70	Witness point at intersection with the E. and W. centerline of the SE 1/4 of sec. 17, hereinbefore described.

GENERAL DESCRIPTION

This survey is located approximately 70 miles SW of Tucson Arizona. The elevation ranges from 3400 to 3700 feet above sea level.

The soil ranges from clay to a clay loam. Vegetation consists of mesquite and dense grass.

Arizona State Highway 286 runs through the township in a north and south direction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Daniel R. Muth	Land Surveyor Trainee
Gordon R. Bubel	Survey Technician
Clinton T. Lancaster	Survey Technician

CERTIFICATE OF SURVEY

I, Clyde J. King, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of Special Instructions bearing date of the 24th day of November, 1992, I have dependently resurveyed a portion of the subdivisional lines and performed the subdivision and the survey of a metes-and-bound survey in section 17 of Township 22 South, Range 8 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.

2/13/93
(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 and the subdivision and a metes-and-bound survey in section 17 of Township 22 South, Range 8 East, Gila and Salt River Meridian, Arizona, executed by Clyde J. King, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

MAR 29 1993
(Date)

James P. Kelly
(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. 22 S., R. 8 E., ~~Gila~~ and Salt River Meridian, Arizona, is a true copy of the original field notes.

~~(Date)~~

~~(Chief Cadastral Surveyor of Arizona)~~