ORIGINAL

BOOK 5413

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 METES-AND-BOUNDS SURVEY
OF PARCEL A IN SECTIONS 23 AND 24
TOWNSHIP 13 SOUTH, RANGE 19 EAST,
Of theGila and Salt River Meridian,
In the State of Arizona
EXECUTED BY Stephen K. Hansen, Cadastral Surveyor

Under Special Instructions dated <u>June 13, 1994</u>, approved <u>June 13, 1994</u>, which provided for the surveys included under Group Number <u>774</u>, and assignment instructions dated <u>June 13, 1994</u>.

Survey Commenced <u>June 14, 1994</u> Survey Completed <u>June 27, 1994</u> BOOK 5413

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Metes-and-Bounds Survey Parcel A

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T. 13 S., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of a portion of the subdivisional lines and the metes-and-bounds survey of Parcel A in sections 23 and 24, Township 13 South, Range 19 East, Gila and Salt River Meridian, Arizona.

A portion of the subdivisional lines was surveyed by John L. Harris, in 1879. A portion of the subdivisional lines was surveyed and a portion of the subdivisional lines was resurveyed by Charles E. Hunter in 1932-1933.

The survey was executed in accordance with the specifications as set forth in the <u>Manual of Surveying Instructions</u>, 1973, and the Special Instructions dated June 13, 1994 for Group No. 774, 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 survey was performed at the request of the San Pedro Project Office of the Bureau of Land Management, Safford District, in a letter dated April 21, 1994. The purpose of this survey was to delineate a parcel of land for the San Pedro Ecosystem Project.

Monuments established by Greye A. Passarelli, R.L.S. 9432, in 1982, and described in the following field notes were established for "Cascabel Ranches", plats of which are recorded in Cochise County Courthouse, Arizona. Parcel A encompasses portions of Lots 8, 9 and 10 as shown on Mr. Passarelli's plats.

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 Lietz Set 4A total station instrument.

The geographic position of the cor. of secs. 23, 24, 25 and 26, as determined from a tie made to U.S. Coast and Geodetic Survey triangulation station "CASCA 1946", is as follows:

Latitude: 32°16'58.61" N. Longitude: 110°21'56.02" W. NAD27

The mean magnetic declination, as taken from quadrangle map SOZA MESA, ARIZ., published in 1981 by U.S. Geological Survey, is 12 $1/2^{\circ}$ E.

Dependent Resurvey of a Portion of the Subdivisional Lines, T. 13 S., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS

Restoring the resurvey executed by Charles E. Hunter, in 1932-1933

Beginning at the cor. of secs. 23, 24, 25 and 26, monumented with an iron post, 2 ins. diam., firmly set, projecting 1 in. above ground, encircled with a collar of stone, with brass cap mkd. T13S R19E S23 S24 S26 S25 1933.

Add the marks 1994 to the brass cap.

From this cor. point, U.S. Coast and Geodetic Survey triangulation station "CASCA 1946", with published latitude of 32°16'42.026" N. and longitude of 110°21'14.149" W., NAD 27, bears S. 65°00' E., 60.11 chs. dist., monumented with a standard brass disk, 3 1/2 ins. diam., firmly set, flush with the surface of ground, in concrete, with brass cap mkd. CASCA 1946. Reference marks No. 1 and No. 2 were recovered and in good order, and were used to verify the position of the tri-station.

S. 89°39' W., bet. secs. 23 and 26, over rolling lands through thick stands of mesquite and salt cedar.

19.91

The E 1/16 sec. cor. of secs. 23 and 26, identical with AP 1, Parcel A, established by Tom F. Luckow, R.L.S. 4080, in 1980, monumented with an iron pipe, 1 in. diam., 12 ins. long, firmly set, flush with the surface of ground, with aluminum cap mkd. 1/16 LS 4080, with a rebar, 1/2 in. diam., 12 ins. long, firmly set alongside, flush with the surface of ground, with an affixed washer stamped LS 9432. This is accepted as a careful and faithful establishment of the cor. position.

At the cor. point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.

T13S R19E S23 E 1/16 —— S26 1994

Deposit the iron pipe and rebar inside the stainless steel post and deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.

S. 89°39' W., beginning new measurement.

Dependent Resurvey of a Portion of the Subdivisional Lines, T. 13 S., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS 5.78

Point for AP 16, Parcel A, monumented with a rebar, 1/2 in. diam., 12 ins. long, firmly set, projecting 2 ins. above ground, with affixed washer stamped LS 9432.

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.

T13S R19E S23\AP16 S26 1994

Deposit the rebar inside the stainless steel post and deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.

Cor. is located 1 lk. S. of a cor. of fences, 4 strand barbed wire, extending N. and SW.

19.92

The 1/4 sec. cor. of secs. 23 and 26, monumented with an iron post, 1 in. diam., firmly set, projecting 16 ins. above ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd. 1/4 S23 S26 1933. Add the marks T13S R19E 1994 to the brass cap.

From this cor. point, a local center 1/4 sec. cor. of sec. 23, monumented with a rebar, 1/2 in. diam., firmly set, with affixed washer stamped LS 9432, bears N. 0°16' E., 40.10 chs. dist. Reported for informational purposes only, not remonumented.

Cor. is located in a fence, 4 stand barbed wire, bears SSE and NNW.

Metes-and-Bounds Survey of Parcel A T. 13 S., R. 19 E., Gila and Salt River Meridian, Arizona

From AP 1, Parcel A, identical with the E 1/16 sec. cor. of secs. 23 and 26, hereinbefore described.

N. 35°26' E., on line 1-2, over rolling land through thick stands of mesquite and salt cedar.

11.31

Point for AP 2, Parcel A, monumented with a rebar, 1/2 in. diam., 12 ins. long, firmly set, projecting 1 in. above ground, with affixed washer stamped LS 9432.

At the cor. point

CHAINS

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T13S R19E AP2 S23 1994

Deposit the rebar inside the stainless steel post and deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.

Cor. is located in a fence, 4 strand barbed wire, bears SSE and NNW.

N. 16°46' W., on line 2-3, along a 4 strand barbed wire fence.

7.71 Point for AP 3, Parcel A, monumented with a rebar, 1/2 in. diam., 12 ins. long, firmly set, projecting 1 in. above ground, with affixed washer stamped LS 9432.

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.

T13S R19E AP3 < S23

Deposit the rebar inside the stainless steel post and deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.

Cor. is located 1 lk. S. of a cor. of fences, 4 strand barbed wire, extending NE, SSE, and SW.

N. 50°58' E., on line 3-4, along a 4 strand barbed wire fence.

19.84 From this point, a local 1/4 sec. cor. of secs. 23 and 24, monumented with a rebar, 1/2 in. diam., firmly set, projecting 1 in. above ground, with affixed washer stamped LS 9432, bears N. 0°20' W., 11.39 chs. dist. Reported for informational purposes only, not remonumented.

From this same point, the cor. of secs. 23, 24, 25 and 26, bears S. 0°20' E., 28.96 chs. dist., hereinbefore described.

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	T. 13 S., R. 19 E., Gila and Salt River Meridian, Arizona
CHAINS 21.05	Intersect cor. of fences on the S. right-of-way of the Benson-Redington road, 4 strand barbed wire, extending SSE, SW, and NNW.
21.49	Point for AP 4, Parcel A, monumented with a rebar, 1/2 in. diam., 12 ins. long, firmly set, 9 ins. below the surface of road, with affixed washer stamped LS 9432.
	At the cor. point
	Set a railroad spike, 12 ins. below the surface of road, with steel cap mkd.
	AP4 BLM
	1994
	from which
	A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 25 ins. in the ground, for a reference monument, bears S. 82°00' W., 68.6 ft. dist., with brass cap mkd. RM T13S R19E S24 68.6 FT TO AP4 1994, and an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.
	Deposit the rebar beneath the railroad spike.
	Cor. is located in the center of the Benson-Redington road, 30 lks. wide, improved gravel.
	Thence along a 5°12'31" circular curve to the right, having a radius of 1100 ft., on line 4-5, along the center of the Benson-Redington Road, the chord of said arc bears N. 29°38' W., 0.75 chs. dist.
0.75	Point for AP 5, Parcel A, monumented with a rebar, 1/2 in. diam., 12 ins. long, firmly set, 11 ins. below the surface of road, with affixed washer stamped LS 9432. At the cor. point
	Set a railroad spike, 12 ins. below the surface of road, with steel cap mkd.
	AP5 BLM 1994
	from which
1	1

CHAINS

A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 24 ins. in the ground, for a reference monument, bears S. 66°31' W., 64.5 ft. dist., with cap mkd. RM T13S R19E S24 64.5 FT TO AP5 1994, and an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.

Deposit the rebar beneath the railroad spike.

Cor. is located in the center of the Benson-Redington road, 30 lks. wide, improved gravel.

N. 28°05' W., on the line bet. AP 5 and AP 6, along the center of the Benson-Redington road.

Point for AP 6, Parcel A, monumented with a rebar, 1/2 in. diam., 12 ins. long, firmly set, 10 ins. below the surface of road, with affixed washer stamped LS 9432.

At the cor. point

Set a railroad spike, 10 ins. below the surface of road, with steel cap mkd.

AP6 BLM 1994

from which

A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 26 ins. in the ground, for a reference monument, bears S. 58°25' W., 70.0 ft. dist., with cap mkd. RM T13S R19E S23 70.0 FT TO AP6 1994, and an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.

Deposit the rebar beneath the railroad spike.

From this cor. point, the local 1/4 sec. cor. of secs. 23 and 24, bears N. 0°20' W., 7.94 chs. dist., hereinbefore described.

From this same cor. point, the cor. of secs. 23, 24, 25 and 26, bears S. 0°20' E., 32.41 chs. dist., hereinbefore described.

Cor. is located in the center of the Benson-Redington road, 30 lks. wide, improved gravel.

N. 28°12' W., on line 6-7.

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Metes-and-Bounds Survey of Parcel A T. 13 S., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS 6.63

2.56

Point for AP 7, Parcel A, monumented with a rebar, 1/2 in. diam., 12 ins. long, firmly set, 12 ins. below the surface of road, with affixed washer stamped LS 9432.

At the cor. point

Set a railroad spike, 12 ins. below the surface of road, with steel cap mkd.

AP7 BLM 1994

from which

A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 22 ins. in the ground, for a reference monument, bears S. 41°45' W., 70.2 ft. dist., with cap mkd. RM T13S R19E S23 70.2 FT TO AP7 1994, and an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.

Deposit the rebar beneath the railroad spike.

Cor. is located in the center of the Benson-Redington road, 30 lks. wide, improved gravel.

Thence along a 10°25'03" circular curve to the left, having a radius of 550 ft., on line 7-8, along the center of the Benson-Redington road, the chord of said arc bears N. 36°57' W., 2.55 chs. dist.

Point for AP 8, Parcel A, monumented with a rebar, 1/2 in. diam.,

12 ins. long, firmly set, 12 ins. below the surface of road, with affixed washer stamped LS 9432.

At the cor. point

Set a railroad spike, 12 ins. below the surface of road, with steel cap mkd.

AP8 BLM 1994

from which

A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 25 ins. in the ground, for a reference monument, bears S. 26°40' W., 60.7 ft. dist., with cap mkd. RM T13S R19E S23 60.7 FT TO AP8 1994, and an arrow pointing to the cor.

CHAINS

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

Deposit the rebar beneath the railroad spike.

From this cor. point, the local 1/4 sec. cor. of secs. 23 and 24, bears N. 89°16' E., 4.62 chs. dist., hereinbefore described.

Cor. is located in the center of the Benson-Redington road, 30 lks. wide, improved gravel.

Thence along a 10°25'03" circular curve to the left, having a radius of 550 ft., on line 8-9, along the center of the Benson-Redington road, the chord of said arc bears N. 58°04' W., 3.56 chs. dist.

3.59

Point for AP 9, Parcel A, monumented with a rebar, 1/2 in. diam., 12 ins. long, firmly set, 12 ins. below the surface of road, with affixed washer stamped LS 9432.

At the cor. point

Set a railroad spike, 12 ins. below the surface of road, with steel cap mkd.

AP9 BLM 1994

from which

A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 22 ins. in the ground, for a reference monument, bears S. 28°22' W., 65.8 ft. dist., with cap mkd. RM T13S R19E S23 65.8 FT TO AP9 1994, and an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.

Deposit the rebar beneath the railroad spike.

Cor. is located in the center of the Benson-Redington road, 30 lks. wide, improved gravel.

Thence along a 10°25'03" circular curve to the left, having a radius of 550 ft., on line 9-10, along the center of the Benson-Redington road, the chord of said arc bears N. 80°27' W., 2.83 chs. dist.

2.84

Point for AP 10, Parcel A.

CHAINS Set a railroad spike, 12 ins. below the surface of road, with

AP10 BLM 1994

from which

steel cap mkd.

A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 22 ins. in the ground, for a reference monument, bears S. 3°06' W., 49.2 ft. dist., with cap mkd. RM T13S R19E S23 49.2 FT TO AP10 1994, and an arrow pointing to the cor. 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 in. diam., firmly set, 12 ins. below the surface of road, with affixed washer stamped LS 9432, bears S. 78°26' W., 3.33 chs., chord dist., on a 10°25'03" curve to the left, having a radius of 550 ft., 3.36 chs. arc dist. Cor. is located in the center of Benson-Redington road, 30 lks. wide, improved gravel. Not remonumented.

Cor. is located in the center of the Benson-Redington road, 30 lks. wide, improved gravel.

S. 24°01' W., on line 10-11, through thick stands of mesquite.

12.20 Point for AP 11, Parcel A.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.

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

S. 80°25' W., on line 11-12, through thick stands of mesquite.

5.14 Point for AP 12, Parcel A.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.

BOOK 54 13

CTT A TOTAL	
CHAINS	T13S R19E
	S23
	AP12
	1994
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white colored plastic case beneath the stainless steel post.
	N. 26°01' E., on line 12-13, through thick stands of mesquite.
11.89	Point for AP 13, Parcel A; there is no remaining evidence of the monument set by Greye A. Passarelli, R.L.S. 9432, in 1982.
	Set a railroad spike, 8 ins. below the surface of road, with steel cap mkd.
	AP13
	BIM
	1994
	from which
	A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 22 ins. in the ground, for a reference monument, bears S. 20°26' E., 36.8 ft. dist., with cap mkd. RM T13S R19E S23 36.8 FT TO AP13 1994, and an arrow pointing to the cor. 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, the rebar in the center of Benson-Redington road bears N. 67°10' E., 1.69 chs. dist., hereinbefore described.
	Cor. is located in the center of the Benson-Redington road, 30 lks. wide, improved gravel.
	Thence along a 10°23'29" circular curve to the right, having a radius of 1500 ft., on line 13-14, along the center of the Benson-Redington road, the chord of said arc bears S. 72°56' W., 4.115 chs. dist.
4.12	Point for AP 14, Parcel A; there is no remaining evidence of the monument set by Greye A. Passarelli, R.L.S. 9432, in 1982.
	Set a railroad spike, 8 ins. below the surface of road, with steel cap mkd.
	3D14
	AP14 BLM
	1994

CHAING	
CHAINS	from which
	A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 22 ins. in the ground, for a reference monument, bears S. 11°32' E., 53.1 ft. dist., with cap mkd. RM T13S R19E S23 53.1 FT TO AP14 1994, and an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.
	Cor. is located in the center of the Benson-Redington road, 30 lks. wide, improved gravel.
	S. 89°16' W., on line 14-15.
0.97	A rebar, 1/2 in. diam., firmly set, 3 ins. below ground, with affixed washer stamped LS 9432. Cor. is located on the N. side of the Benson-Redington road, 30 lks. wide, improved gravel.
	Thence along the N. right-of-way of the Benson-Redington road, along a 4 strand barbed wire fence.
10.68	Point for AP 15, monumented with a rebar, 1/2 in. diam., 12 ins. long, firmly set, projecting 1 in. above ground, with affixed washer stamped LS 9432.
	At the cor. point
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.
	T13S R19E
	AP15
	\ _{s23}
	1994
	Deposit a magnet in a 1 x 1 x 2 $5/8$ ins. white colored plastic case beneath the stainless steel post.
	From this cor. point, the local center 1/4 sec. cor. of sec. 23, bears S. 89°16' W., 9.53 chs. dist., hereinbefore described.
	Cor. is located on the N. right-of-way of the Benson-Redington road, and 1 lk. S. of a barbed wire fence, 4 strand, bears E. and W.
	S. 6°17' E., on line 15-16.

	1. 13 5., K. 19 E., Gila and Sait River Periodal, Arizona
CHAINS 0.45	Center of the Benson-Redington road, 30 lks. wide, improved gravel, bears E. and W.
0.90	Cor. of barbed wire fences, 4 strand, extending E., S., and W.
	Continue along a 4 strand barbed wire fence, through thick stands of mesquite.
40.37	AP 16, on the line bet. secs. 23 and 26, hereinbefore described.
	N. 89°39' E., on line 16-1.
5.78	AP 1, identical with the E 1/16 sec. cor. of secs. 23 and 26, hereinbefore described.
	GENERAL DESCRIPTION
	The land encompassed in this survey is located about 40 miles northwesterly of Benson, Az., near the very small town of Cascabel.
	Access is provided by the Benson-Redington road, also locally known as the Pomerene road.
	The higher elevations are vast and open, covered with creosote and various species of cacti. The lower elevations on the San Pedro River floodplain consist of thick stands of juniper and salt cedar, along with infrequent cottonwoods and thick undergrowth.
	No mining activity was noted.
	The principal use of the area is grazing, with small self- sufficient farms also in evidence. The San Pedro basin is home to many species of birds and animals, and nature viewing is another frequent tourist pastime.

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

FIELD ASSISTANTS		
NAMES	CAPACITY	
Geoffrey A. Graham	Surveying Technician	
Mark R. Searles	Surveying Technician	

CERTIFICATE OF SURVEY

I, Stephen K. Hansen, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of Special Instructions bearing date of the 13 day of June, 1994, I have dependently resurveyed a portion of the subdivisional lines and performed a metesand-bounds survey of Parcel A in sections 23 and 24, Township 13 South, Range 19 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.

7/29/94	Stephen Ko Hansen
(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 metes-and-bounds survey of Parcel A in sections 23 and 24, Township 13 South, Range 19 East, Gila and Salt River Meridian, Arizona, executed by Stephen K. Hansen, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

AUG 2 1994 (Date)	(Chief Cadastral Surveyor of Arizona)
surveys in T. 13 S., R. 1	certificate of transcript oing transcript of the field notes of the above-described 9 E., Gila and Salt River Meridian, Arizona, is a true copy
of the original field not (Date)	(Chief Cadastral Surveyor of Arizona)