

ORIGINAL

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BOOK 5372

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 OF

SECTION 24

IN

TOWNSHIP 18 SOUTH, RANGE 20 EAST

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

EXECUTED BY

William P. Carpender, Cadastral Surveyor

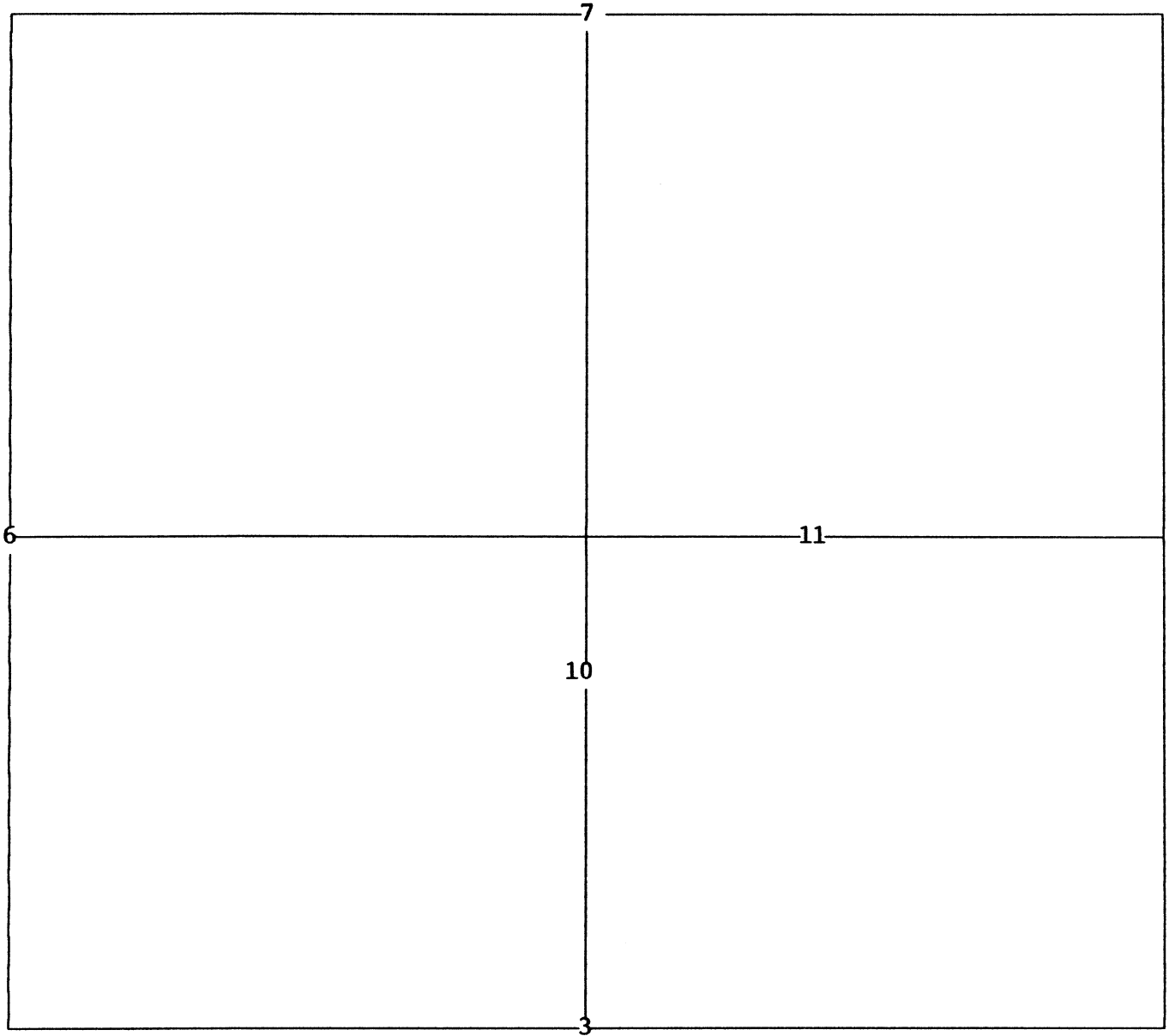
Under special instructions dated January 13, 1987, approved January 13, 1987
and Supplemental Special Instructions, dated and approved May 15, 1987,
, which provided for the surveys included under Group Number
688 and assignment instructions dated May 15, 1987.

Survey commenced May 21, 1987

Survey completed July 7, 1988

INDEX DIAGRAM

TOWNSHIP 18 NORTH , RANGE 20 EAST , SEC. 24 ,



T. 18 S., R. 20 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 subdivision of section 24, Township 18 South, Range 20 East, Gila and Salt River Meridian, Arizona.

The subdivisional lines were surveyed in 1901 by Philip Contzen.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated January 13, 1987, and the Supplemental Special Instructions dated May 15, 1987, for Group No. 688, 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 observations on a U.S. Coast and Geodetic Survey triangulation network, and refer to the true meridian. Distances and angles were measured with a Zeiss Elta 46 total station instrument.

The geographic position of the southeast corner of section 24, as determined from a tie made to U.S. Coast and Geodetic Survey triangulation station "CURTIS", located in the SE quarter of section 21, Township 18 North, Range 21 East, is as follows:

Latitude: 31°50'49.65" N. Longitude: 110°14'48.29" W. NAD 27

The mean magnetic declination, as taken from "MC GREW SPRING, ARIZ." quadrangle map, published in 1973 by the U.S. Geological Survey, is 12 1/2° E.

Dependent Resurvey, Portion of the Subdivisional Lines,
T. 18 S., R. 20 E., Gila and Salt River Meridian, Arizona

Restoring the Survey executed by
Philip Contzen, U.S. Deputy Surveyor, in 1901

Beginning at the cor. of secs. 23, 24, 25 and 26, monumented with a granite stone, 12 x 10 x 8 ins., mkd. with 1 groove on the E., and 2 grooves on the S., firmly set 4 ins. in the ground, with a mound of stone, 2 ft. base, 1 ft. high, W. of the cor.

Dependent Resurvey, Portion of the Subdivisional Lines,
T. 18 S., R. 20 E., Gila and Salt River Meridian, Arizona

CHAINS	<p>At the cor. point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <table style="border-collapse: collapse; margin: auto;"> <tr> <td style="padding: 2px;">T18S</td> <td style="padding: 2px;">R20E</td> </tr> <tr> <td style="padding: 2px;">S23</td> <td style="padding: 2px;">S24</td> </tr> <tr> <td style="border-top: 1px solid black; padding: 2px;">S26</td> <td style="border-top: 1px solid black; padding: 2px;">S25</td> </tr> <tr> <td style="padding: 2px;">1988</td> <td></td> </tr> </table> </div> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white colored plastic case beneath the stainless steel post.</p> <p>Bury the original stone alongside the stainless steel post.</p> <p>Rebuild the mound of stone, 3 ft. base, 1 ft. high, W. of the cor.</p> <p>Set a steel fence post alongside the cor.</p> <p>N. 89°59' E., bet. secs. 24 and 25.</p> <p>Over rolling, broken terrain.</p> <p>40.11 Point for the 1/4 sec. cor. of secs. 24 and 25, at proportionate dist.; there is no remaining evidence of the original cor.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 18 ins. in the ground, over a steel fence post driven into the ground, and in a mound of stone, 30 ins. base, to top, with brass cap mkd.</p> <div style="text-align: center;"> <table style="border-collapse: collapse; margin: auto;"> <tr> <td style="padding: 2px;">T18S</td> <td style="padding: 2px;">R20E</td> </tr> <tr> <td></td> <td style="padding: 2px;">S24</td> </tr> <tr> <td style="padding: 2px;">1/4</td> <td style="padding: 2px;">—</td> </tr> <tr> <td></td> <td style="padding: 2px;">S25</td> </tr> <tr> <td style="padding: 2px;">1988</td> <td></td> </tr> </table> </div> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white colored plastic case beneath the stainless steel post.</p> <p>Set a steel fence post alongside the cor.</p> <p>From this cor. point, an iron pipe, 2 1/2 ins. diam., set by Scott Gerald Ladd, RCE 5896, projecting 4 ins. above ground, with a wooden plug inside, and a round metal tag attached, mkd. RCE 5896, bears S. 5°33' W., 10.2 lks. dist. This point was established using improper procedures and is not utilized in the course of this survey.</p>	T18S	R20E	S23	S24	S26	S25	1988		T18S	R20E		S24	1/4	—		S25	1988	
T18S	R20E																		
S23	S24																		
S26	S25																		
1988																			
T18S	R20E																		
	S24																		
1/4	—																		
	S25																		
1988																			

Dependent Resurvey, Portion of the Subdivisional Lines,
T. 18 S., R. 20 E., Gila and Salt River Meridian, Arizona

CHAINS	
46.23	<p>Point for a witness point on line bet. secs. 24 and 25.</p> <p>Set an aluminum post, 36 ins. long, 3/4 in. diam., 24 ins. in the ground, and in a mound of stone, 30 ins. base, to top, with cap mkd.</p> <p style="text-align: center;">T18S R20E S24 WP ——— S25 1988</p> <p>Set a steel fence post alongside the cor.</p>
60.18	<p>A rebar, 5/8 ins. diam., set by Scott Gerald Ladd RCE 5896, projecting 1 in. above the ground, with a round metal tag attached, mkd. RCE 5896, and an aluminum cap mkd. 3 4, bears South, 15.9 lks. dist. This point was established using improper procedures and is not utilized in the course of this resurvey.</p>
81.12	<p>Point for the closing cor. of secs. 24 and 25 determined at proportionate dist. on the W. bdy. of sec. 19, T. 18 S., R. 21 E.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T18S R20E R21E S24 CC ——— S19 S25 1988</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white colored plastic case beneath the stainless steel post.</p> <p>Set a steel fence post alongside the cor.</p> <p>From this cor. point, the cor. of secs. 19 and 30, T. 18 S., R. 21 E., bears S. 0°03' E., 0.80 chs. dist., monumented with a limestone, 18 x 10 x 6 ins., mkd. with 4 grooves on the N. face, 2 grooves on the S. face, firmly set 2 ins. below the surface of the ground.</p> <p>From this same cor. point, the 1/4 sec. cor. of sec. 19, only, bears N. 0°03' W., 39.22 chs. dist., perpetuated by ties recorded in the field notes of local surveys executed in 1933 and 1972, on file in the office of the Engineering Department, El Paso Natural Gas Company, P.O.Box 1492, El Paso, Texas 79978.</p>

Dependent Resurvey, Portion of the Subdivisional Lines,
T. 18 S., R. 20 E., Gila and Salt River Meridian, Arizona

CHAINS	<p>From this same cor. point, an iron pipe, 2 1/2 ins. diam., firmly set by Scott Gerald Ladd, RCE 5896, projecting 7 ins. above ground, with a wooden plug inside, and a round metal tag attached, mkd. RCE 5896, bears S. 4°45' E., 20.9 lks. dist. This point was established using improper procedures and is not utilized in the course of this survey.</p> <p>From this same cor. point, the U.S. Coast and Geodetic Survey triangulation station "CURTIS" bears N. 84°12'56" E. (forward bearing), 228.38 chs. dist., monumented with a standard brass tablet, mkd. CURTIS 1946 and a triangle.</p> <hr/> <p>From the cor. of secs. 23, 24, 25 and 26.</p> <p>N. 0°06.5' E., bet. secs. 23 and 24, on a sectional guide meridian.</p> <p>Over rolling, broken terrain.</p>
40.13	<p>The 1/4 sec. cor. of secs. 23 and 24, perpetuated by Scott Gerald Ladd, RCE 5896, monumented with an iron pipe, 24 ins. long, 2 1/2 ins. diam., firmly set projecting 2 ins. above ground, with a wooden plug inside, and a round metal tag attached, mkd. RCE 5896. This is accepted as a careful and faithful perpetuation of the original cor. position.</p> <p>At the cor. point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <p>T18S R20E 1/4 S23 S24 1988</p> </div> <p>Bury the iron pipe alongside the stainless steel post.</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white colored plastic case beneath the stainless steel post.</p> <p>Set a steel fence post alongside the cor.</p> <p>Cor. is located 1 ch. E. of a fence, bears N. and S., 50 lks. N. of a wash, 50 lks. wide, 10 ft. deep, course E., and 50 lks. S. of a wash, 50 lks. wide 10 ft. deep, course SE.</p> <hr style="width: 20%; margin: 10px auto;"/>

Dependent Resurvey, Portion of the Subdivisional Lines,
T. 18 S., R. 20 E., Gila and Salt River Meridian, Arizona

CHAINS									
	N. 0°06.5' W., beginning new measurement.								
39.30	Wash, 75 lks. wide, course E.								
40.13	<p>The cor. of secs. 13, 14, 23 and 24, perpetuated by Scott Gerald Ladd, RCE 5896, monumented with an iron pipe, 2 1/2 ins. diam., set 4 ins. below the surface of the ground, with a wooden plug inside, and a round metal tag attached, mkd. RCE 5896, from which an original bearing tree</p>								
	<p>A mesquite, 24 ins. diam., bears S. 25 1/2° E., 173 lks. dist., mkd. T18S R20E S24 BT (Record: S. 26 1/2° E., 178 lks. dist.).</p>								
	<p>This is accepted as a careful and faithful perpetuation of the original cor. position.</p>								
	<p>At the cor. point</p>								
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, over a steel fence post driven into the ground, and in a mound of stone, 3 ft. base, to top, with brass cap mkd.</p>								
	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td colspan="2" style="text-align: center;">T18S R20E</td> </tr> <tr> <td style="text-align: center;">S14</td> <td style="text-align: center;">S13</td> </tr> <tr> <td style="text-align: center;">S23</td> <td style="text-align: center;">S24</td> </tr> <tr> <td colspan="2" style="text-align: center;">1988</td> </tr> </table>	T18S R20E		S14	S13	S23	S24	1988	
T18S R20E									
S14	S13								
S23	S24								
1988									
	<p>Bury the iron pipe alongside the stainless steel post.</p>								
	<p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white colored plastic case beneath the stainless steel post.</p>								
	<p>Set a steel fence post alongside the cor.</p>								
	<hr/> <p>S. 89°57' E., bet. secs. 13 and 24.</p>								
	<p>Over rolling, broken terrain.</p>								
40.12	<p>The 1/4 sec. cor. of secs. 13 and 24, restored by Scott Gerald Ladd, RCE 5896, monumented with an iron pipe, 2 1/2 ins. diam., firmly set projecting 1 1/2 ins. above ground, with a wooden plug inside, and a round metal tag attached, mkd. RCE 5896. This is accepted as a careful and faithful restoration of the original cor. position.</p>								

Dependent Resurvey, Portion of the Subdivisional Lines,
T. 18 S., R. 20 E., Gila and Salt River Meridian, Arizona

CHAINS

At the cor. point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam.,
20 ins. in the ground, and in a mound of stone, 4 ft. base, to
top, with brass cap mkd.

T18S R20E
S13
1/4 ———
S24
1988

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

Bury the iron pipe alongside the stainless steel post.

Set a steel fence post alongside the cor.

From this cor. point, an iron pipe of unknown origin, 4 1/2 ins.
diam., projecting 3 1/2 ft. above the ground, bears S. 14°52' E.,
96 lks. dist. This was established using unknown procedures and
is not utilized in the course of this resurvey.

S. 89°57'E., beginning new measurement

41.02

Point for the closing cor. of secs. 13 and 24, at intersection
with the W. bdy. of sec. 18, T. 18 S., R. 21 E., determined by
Scott Gerald Ladd, RCE 5896, monumented with an iron pipe,
2 1/2 ins. diam., firmly set, projecting 7 ins. above ground,
with a wooden plug inside, and a round metal tag attached, mkd.
RCE 5896. This is accepted as a careful and faithful
determination of the 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.

T18S | T18S
S13 |
CC ——— | R21E
S24 |
R20E | S18
1988

Dependent Resurvey, Portion of the Subdivisional Lines,
T. 18 S., R. 20 E., Gila and Salt River Meridian, Arizona

CHAINS

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

Bury the iron pipe alongside the stainless steel post.

Set a steel fence post alongside the cor.

From this cor. point, the cor. of secs. 18 and 19, only, T. 18 S., R. 21 E., bears S. 0°03' W., 0.90 chs. dist., monumented with a sandstone, 16 x 9 x 9 ins., mkd. with 3 grooves on the N. face, 3 grooves on the S. edge, firmly set 11 ins. in the ground and in a collar of stone, 5 ft. diam., with an iron pipe, 4.5 ins. diam., projecting 54 ins. above the ground, set alongside.

From this same cor. point, the 1/4 sec. cor. of sec. 18, only, T. 18 S., R. 21 E., bears N. 0°03' E., 39.21 chs. dist., monumented with a granite stone, 14 x 8 x 5 ins., mkd. 1/4 18 on E. face, firmly set 11 ins. in the ground, in a mound of stone, 3 ft. diam. An iron pipe, 1 in. diam., 12 ins. long, with a fiberglass plug mkd. PE 1789 is set alongside.

The point for the 1/4 sec. cor. of sec. 24, only, is at midpoint latitudinally between the closing cor. of secs. 24 and 25, and the closing cor. of secs. 13 and 24, on the E. bdy. of the tp.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, with brass cap mkd.

T18S	
R20E	R21E
1/4 S24	
1988	

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

Set a steel fence post alongside the cor.

From this cor. point, the cor. of secs. 18 and 19, only, T. 18 S., R. 21 E., bears N. 0°05' E., 39.18 chs. dist., hereinbefore described.

From this same cor. point, the 1/4 sec. cor. of sec. 19, only, T. 18 S., R. 21 E., bears S. 0°05' W., 86 lks. dist., hereinbefore described..

Dependent Resurvey, Portion of the Subdivisional Lines,
T. 18 S., R. 20 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>From this same cor. point, an iron pipe, 2 1/2 ins. diam., firmly set by Scott Gerald Ladd, RCE 5896, projecting 3 ins. above ground, with a wooden plug inside, and a round metal tag attached, mkd. RCE 5896, bears S. 27°23' W., 11.9 lks. dist. This was established using improper procedures and is not utilized in the course of this survey.</p> <hr/> <p style="text-align: center;">Subdivision, Section 24, T. 18 S., R. 20 E., Gila and Salt River Meridian, Arizona</p> <hr/> <p>From the 1/4 sec. cor. of secs. 24 and 25. N. 0°01' E., on the N. and S. center line of sec. 24. Over rolling, broken terrain.</p>
4.25	Ascend
7.25	Point for a witness point on the N. and S. center line of sec. 24. Set an aluminum post, 36 ins. long, 3/4 in. diam., 28 ins. in the ground, with cap mkd.
	<p>T18S R20E C WP S24 C 1988</p>
	Set a steel fence post alongside the cor. The cor. is located on a ridge, bears E. and W.
	Descend
10.25	End descent.
14.70	Wash, 40 lks. wide, 10 ft. deep, course NE.
19.98	A rebar, 5/8 ins. diam., set by Scott Gerald Ladd, RCE 5896, projecting 1 in. above the ground, with a round metal tag attached, mkd. RCE 5896, and an aluminum cap mkd. 1 3, bears East, 0.9 lk. dist. This was established using improper procedures and is not utilized in the course of this resurvey.
40.11	Point for the center 1/4 sec. cor. of sec. 24, at intersection with the E. and W. center line of sec. 24.

Subdivision, Section 24,
T. 18 S., R. 20 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T18S R20E C 1/4 S24 1988</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white colored plastic case beneath the stainless steel post.</p> <p>Set a steel fence post alongside the cor.</p> <p>From this cor. point, a rebar, 5/8 ins. diam., set by Scott Gerald Ladd, RCE 5896, projecting 1 in. above the ground, with a round metal tag attached, mkd. RCE 5896, and an aluminum cap mkd. 1, bears S. 8°20' E., 5.2 lks. dist. This was established using improper procedures and is not utilized in the course of this survey.</p>
80.22	<p>The 1/4 sec. cor. of secs. 13 and 24.</p> <hr/> <p>From the 1/4 sec. cor. of sec. 24 only, on the E. bdy. of the tp., hereinbefore described.</p> <p>N. 89°59' W., on the E. and W. center line of sec. 24.</p> <p>Over rolling, broken terrain.</p>
11.68	<p>Point for a witness point on the E. and W. center line of sec. 24.</p> <p>Set an aluminum post, 36 ins. long, 3/4 in. diam., 28 ins. in the ground, with cap mkd.</p> <p style="text-align: center;">T18S R20E WP C ——— C S24 1988</p> <p>Set a steel fence post alongside the cor.</p>
20.91	<p>A rebar, 5/8 ins. diam., firmly set by Scott Gerald Ladd, RCE 5896, flush with the ground, with a round metal tag attached, mkd. RCE 5896, and an aluminum cap mkd. 1 2, bears South, 8.0 lks. dist. This was established using improper procedures and is not utilized in the course of this resurvey.</p>

Subdivision, Section 24,
T. 18 S., R. 20 E., Gila and Salt River Meridian, Arizona

CHAINS	
40.97	The center 1/4 sec. cor. of sec. 24.
81.01	The 1/4 sec. cor. of secs. 23 and 24.
	<hr/> <p>GENERAL DESCRIPTION</p> <p>The area surveyed is about 4 miles Southwest of St. David, Arizona. Access is provided by access roads for the Southern Pacific railroad, the El Paso Natural Gas Co. pipeline, and other dirt and gravel roads.</p> <p>The elevation ranges from about 3,750 to 4,000 feet above sea level. The terrain consists of mountainous hills on the West edge of the San Pedro River valley, draining Northeasterly. The vegetation is a moderate growth of mesquite, creosote, and catclaw brush, mixed with native grasses.</p> <p>The El Paso Natural Gas Co. pipeline traverses diagonally through the Northeast quarter of Section 24.</p> <p>The mean magnetic declination, as taken from "MC GREW SPRING, ARIZ." quadrangle map, published in 1973 by the U.S. Geological Survey, is 12 1/2° E.</p>

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Robert D. Begley	Land Surveyor (In Training)
Luke B. Granger	Surveying Technician
Donald C. Brewer	Surveying Technician
Robert M. Charboneau	Surveying Technician
William T. Stafford	Surveying Aid
Gary D. Knoff	Land Surveyor

CERTIFICATE OF SURVEY

I, William P. Carpender, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 13th day of January, 1987, and supplemental special instructions bearing date of the 15th day of May, 1987, I have dependently resurveyed a portion of the subdivisional lines, and subdivided section 24, in Township 18 North, Range 20 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.

DECEMBER 3, 1992
(Date)

William P. Carpender
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

MANAGEMENT

BUREAU OF LAND

Arizona State Office
Phoenix, Arizona

The foregoing field notes of the dependent resurvey of a portion of the subdivisional lines, and the subdivision of section 24 in Township 18 South, Range 20 East, Gila and Salt River Meridian, Arizona, executed by William P. Carpender, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

DEC 21 1992

(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. 18 S., R. 20 E., Gila and Salt River Meridian, Arizona is a true copy of the original field notes.~~

~~(Date)~~

~~(Chief Cadastral Surveyor of Arizona)~~