

Form 9180-6  
(March 1977)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF THE

CORRECTIVE DEPENDENT RESURVEY OF A PORTION OF THE

TENTH STANDARD PARALLEL NORTH ON THE SOUTH BOUNDARY

AND

A PORTION OF THE FIRST GUIDE MERIDIAN WEST ON THE WEST BOUNDARY

AND

A PORTION OF THE SUBDIVISIONAL LINES

AND

CORRECTIVE SURVEY OF THE SUBDIVISION OF SECTIONS 31 AND 32

TOWNSHIP 41 NORTH, RANGE 4 WEST

Of the GILA AND SALT RIVER Meridian,

In the State of ARIZONA

EXECUTED BY

HARRY S. PIERCE

SUPERVISORY CADASTRAL SURVEYOR

Under special instructions dated APRIL 8, 1975, approved APRIL 18, 1975,

AND SUPPLEMENTAL SPECIAL INSTRUCTIONS DATED AUGUST 22, 1979, APPROVED AUGUST

29, 1979, which provided for the surveys included under ~~XXXXXX~~ Group

Number 575, and assignment instructions dated JUNE 25, 1979.

Survey commenced JULY 30, 1979

Survey completed SEPTEMBER 7, 1979

BOOK 5097

INDEX DIAGRAM

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T. 41 N., R. 4 W., Gila and Salt River Mer., Arizona

## CHAINS

The following field notes represent the corrective dependent resurvey of a portion of the Tenth Standard Parallel North, on the south boundary, a portion of the First Guide Meridian West, on the west boundary, a portion of the subdivisional lines, and corrective survey of the subdivision of sections 31 and 32, Township 41 North, Range 4 West, Gila and Salt River Meridian, Arizona.

The Tenth Standard Parallel North, on the south boundary, a portion of the First Guide Meridian West, on the west boundary, and a portion of the subdivisional lines were surveyed by Joseph C. Thoma, in 1914. Segregation Survey of Moccasin Spring was executed by William E. Hiester in 1925.

A dependent resurvey of the Tenth Standard Parallel North, on the south boundary, a portion of the First Guide Meridian West, on the west boundary, a portion of the subdivisional lines, and a survey of the subdivision of sections 31 and 32 was executed by Gilbert V. Olson in 1975. Olson's notes were approved and plat accepted June 1, 1977.

In May of 1979, it was reported by Ralph B. Platt, Consulting Engineer and Land Surveyor, that the monumentation of the subdivision of sections 31 and 32 did not conform to the previously approved survey. An investigation survey disclosed that there were numerous discrepancies in the location of the 1975 monuments in the entirety of the survey.

This corrective resurvey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 1973, the Special Instructions dated April 8, 1975, and the Supplemental Special Instructions dated August 22, 1979, for Group No. 575, Arizona.

The directions of the lines were determined by direct observations of the sun. They refer to the true meridian.

Preliminary to the corrective resurvey the lines of the official surveys were retraced and search was made for all corners and other calls of record. Identified corners were remonumented in their original positions; lost corners were restored and monumented at proportionate positions based on the official record. The retracement data were thoroughly verified and only the true line field notes are given herein.

The geographic position of the Standard Corner of sections 32 and 33, as scaled from U. S. Geological Survey "FREDONIA" quadrangle map, 1954, 15' series, is:

Latitude: 36° 54.2' N., Longitude: 112° 44.3' W.

The observed mean magnetic declination is 14 1/2° E.

Corrective Dependent Resurvey of a Portion of the Tenth Standard Parallel North, on the South Boundary, T. 41 N., R. 4 W., Gila and Salt River Mer., Arizona

Restoring the survey executed by Joseph C. Thoma in 1914, and correcting the resurvey by Gilbert V. Olson in 1975

Corrective Dependent Resurvey, Por. of the 10th Stan. Par. N.,  
S. Bdy., T. 41 N., R. 4 W., G&SR Mer., Arizona

CHAINS	
	<p>Beginning at the standard cor. of secs. 32 and 33, monumented with an iron post, 3 ins. diam., firmly set, projecting 10 ins. from the ground, with brass cap mkd.</p>
	<p style="text-align: center;">T41N R4W <u>S 32   S 33</u></p>
	<p style="text-align: center;">1914</p>
	<p>Add marks SC, 1975 and 1979 to brass cap.</p>
	<p>S. 89° 58' W., along the S. bdy. of sec. 32.</p>
	<p>Over gently rolling land, through sagebrush and scattered juniper.</p>
4.50	<p>Trail road, bears N. and S.</p>
20.03	<p>Point for the standard E 1/16 sec. cor. of sec. 32.</p>
	<p>From this point, the standard E 1/16 sec. cor. of sec. 32 erroneously established by Olson in 1975, bears N. 11° 18' E., 0.01 chs. dist., monumented with an iron post, 2 1/2 ins. in diam., firmly set, projecting 2 ins. above the ground, with brass cap mkd. as described in the 1975 resurvey. I removed the iron post and at the true corner point.</p>
	<p>Reset the iron post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">S C T41N R4W <u>S 32 E 1/16</u></p>
	<p style="text-align: center;">1979 1975</p>
	<p>Set a wood post, 3 ft. long, 2 ins. diam., alongside the iron post.</p>
	<p>Leave scattered juniper, continue over gently rolling land, through sagebrush.</p>
40.06	<p>The standard 1/4 sec. cor. of sec. 32, monumented with an iron post, 1 in. diam., firmly set, projecting 5 ins. from the ground, with brass cap mkd.</p>
	<p style="text-align: center;">1/4 <u>S 32</u></p>
	<p style="text-align: center;">1914</p>
	<p>Add marks SC, T41N R4W, 1975 and 1979 to brass cap.</p>
	<p style="text-align: center;">—————</p>
	<p>WEST, beginning new measurement.</p>
	<p>Over gently rolling land, through sagebrush.</p>
20.00	<p>Point for the standard W 1/16 sec. cor. of sec. 32.</p>

Corrective Dependent Resurvey, Por. of the 10th Stan. Par. N.  
S. Bdy., T. 41 N., R. 4 W., G&SR Mer., Arizona

CHAINS		
	<p>From this point, the W 1/16 sec. cor. of sec. 32, erroneously established by Olson in 1975, bears N. 58° 47' E., 0.01 chs. dist., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 3 ins. above the ground, with brass cap mkd. as described in the 1975 resurvey. I removed the iron post and at the true corner point.</p> <p>Reset the iron post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">S C T41N R4W <u>W 1/16 S 32</u></p> <p style="text-align: center;">1979 1975</p> <p>Cor. is located approximately 3 lks. N. and 9 lks. W. of cor. of fences, extending N., SE, and W.</p>	
27.50	Wash, drains NE.	
28.50	Black-top road, bears N. and S.	
39.00	Begin ascent.	
40.00	<p>The standard cor. of secs. 31 and 32, monumented with an iron post, 3 ins. diam., firmly set, projecting 24 ins. from the ground, in a supporting mound of stone, 3 ft. base, 1 1/2 ft. high, with brass cap mkd.</p> <p style="text-align: center;">T41N R4W <u>S 31 S 32</u></p> <p style="text-align: center;">1914</p> <p>Add marks SC, 1975 and 1979 to brass cap.</p> <p>Cor. is located at the cor. of fences, extending N. and E.</p> <p>From this cor., the closing cor. of secs. 5 and 6, T. 40 N., R. 4 W., bears S. 89° 30' E., 6.49 chs. dist., monumented with an iron post, 2 ins. diam., projecting 10 ins. from the ground, with brass cap mkd.</p> <p style="text-align: center;">T41N R4W <u>S 31 S 32</u> C C S 6 S 5 T40N</p> <p style="text-align: center;">1914</p>	
20.00	<p>S. 89° 58' W., along the S. bdy. of sec. 31.</p> <p>Ascend over broken sandstone ledges and through small washes, with scattered pinon and buckbrush.</p> <p>Point for the standard E 1/16 sec. cor. of sec. 31.</p>	

Corrective Dependent Resurvey, Por. of the 10th Stan. Par. N.  
S. Bdy., T. 41 N., R. 4 W., G&SR Mer., Arizona

CHAINS	
	<p>From this point, the standard E 1/16 sec. cor. of sec. 31 erroneously established by Olson in 1975, bears N. 48° 22' W., 0.01 chs. dist., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above the ground, with brass cap mkd. as described in the 1975 resurvey. I removed the iron post and at the true corner point.</p> <p>Reset the iron post, 28 ins. long, 2 1/2 ins. diam., 8 ins. in the ground, in a mound of stone, 3 ft. base, 1 1/2 ft. high, with brass cap mkd.</p> <p style="text-align: center;">T41N R4W S 31 E 1/16</p> <p style="text-align: center;">1979 1975</p>
32.00	Spur, slopes NE.
40.00	True point for the standard 1/4 sec. cor. of sec. 31, at proportionate distance; no evidence of the original chisel mks. could be found in the steep NE sandstone slope.
41.03	<p>The witness standard 1/4 sec. cor. of sec. 31, monumented with an iron post, 1 in. diam., firmly set, projecting 10 ins. above the ground, in a supporting collar of stone, with a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of the cor., with brass cap mkd.</p> <p style="text-align: center;"> <math display="block">\begin{array}{c} \xrightarrow{1/4 \text{ S } 31} \\ \text{W.C.} \\ 1914 \end{array}</math> </p> <p>Add marks SC, T41N R4W, 1975 and 1979 to brass cap.</p> <hr style="width: 20%; margin: auto;"/> <p>N. 89° 54' W., beginning new measurement.</p> <p>Ascend E. slope through scattered juniper.</p>
1.40	Top of ridge, bears N. and S., continue over broken sandstone ridges and draws, draining N. into Mocassin Canyon.
18.91	<p>Point for the standard W 1/16 sec. cor. of sec. 31.</p> <p>From this point, the standard W 1/16 sec. cor. of sec. 31 erroneously established by Olson in 1975, bears SOUTH, 0.05 chs. dist., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above the ground, with brass cap mkd. as described in the 1975 resurvey. I removed the iron post and at the true corner point.</p> <p>Reset the iron post, 28 ins. long, 2 1/2 ins. diam., 8 ins. in the ground, in a collar of stone, 3 ft. base to top, with brass cap mkd.</p>

Corrective Dependent Resurvey, Por. of the 10th Stan. Par. N.,  
S. Bdy., T. 41 N., R. 4 W., G&SR Mer., Arizona

CHAINS	
	<p style="text-align: center;">S C T41N R4W <u>S 31 W 1/16</u></p> <p style="text-align: center;">1979 1975</p>
38.84	<p>The standard cor. of secs. 31 and 36, Tp. 41 N., Rs. 4 and 5 W., monumented with an iron post, 3 ins. diam., firmly set, projecting 4 ins. from the ground in manzanita thicket, with brass cap mkd.</p> <p style="text-align: center;">T41N <u>S 36   S 31</u> R5W   R4W</p> <p style="text-align: center;">1914</p> <p>from which the old 1914 bearing trees</p> <p>A juniper, 12 ins. diam., bears N. 20° E., 45 lks. dist., mkd. T41N R4W S31 BT. (Record, cedar)</p> <p>A juniper, 12 ins. diam., bears N. 75° W., 24 lks. dist., mkd. T41N R5W S36 BT. (Record, cedar)</p> <p>Add marks SC and 1979 to brass cap.</p> <hr/> <p style="text-align: center;">Corrective Dependent Resurvey of a Portion of the First Guide Meridian West, on the West Boundary of T. 41 N., R. 4 W., Gila and Salt River Mer., Arizona</p> <hr/> <p>From the standard cor. of T. 41 N., Rs. 4 and 5 W., heretofore described.</p> <p>N. 0° 03' W., bet. secs. 31 and 36, along the W., bdy. of the Tp.</p> <p>Descending over broken sandstone ledges.</p>
4.50	Top of nearly vertical wall.
5.00	Foot of wall, about 200 ft., continue descent over broken talus slope.
18.00	Base of slope, continue over nearly level sandy canyon bottom, through sagebrush.
18.45	<p>Point selected for the witness S 1/16 sec. cor. of secs. 31 and 36.</p> <p>From this point, the witness cor. S 1/16 sec. cor. of secs. 31 and 36, erroneously established by Olson in 1975, bears S. 8° 08' E., 0.01 chs. dist., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 2 ins. above the ground, with brass cap mkd. as described in the 1975 resurvey. I removed the iron post and at the point selected for witness cor.</p> <p>Reset the iron post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p>

Corrective Dependent Resurvey, Por. of the 1st Guide Mer. W.,  
W. Bdy., T. 41 N., R. 4 W., G&SR Mer., Arizona

CHAINS	<p style="text-align: center;">W C T41N R5W R4W S 1/16 S 36↑S 31</p> <p style="text-align: center;">1979 1975</p>
19.00	Enter deep, sandy wash from WSW.
19.95	True point for the S 1/16 sec. cor. of secs. 31 and 36, near the intersection of deep, sandy wash, drains WSW, and Moccasin Canyon, course W. Impractical to establish a permanent monument.
21.50	Leave sandy wash, continue over nearly level sandy canyon bottom, through sagebrush and scattered juniper.
39.90	<p>The 1/4 sec. cor. of secs. 31 and 36, T. 41 N., Rs. 4 and 5 W., monumented with an iron post, 1 in. diam., firmly set, projecting 10 ins. from the ground, with brass cap mkd.</p> <p style="text-align: center;">T41N 1/4 R5W R4W S 36 S 31</p> <p style="text-align: center;">1975 1914</p> <p>from which 1914 bearing trees</p> <p style="padding-left: 40px;">A juniper, 18 ins. diam., bears S. 51°E., 208 lks. dist., mkd. 1/4 S31 BT. (Record, cedar)</p> <p style="padding-left: 40px;">A pinon, 12 ins. diam., bears N. 45 3/4° W., 56 lks. dist., mkd. 1/4 S36 BT.</p> <p>Add marks 1979 to brass cap.</p> <hr/> <p style="text-align: center;">Corrective Dependent Resurvey of a Portion of the Subdivisional Lines T. 41 N., R. 4 W., Gila and Salt River Mer., Arizona</p> <hr/> <p>From the standard cor. of secs. 32 and 33, heretofore described.</p> <p>N. 0° 05' W., bet. secs. 32 and 33.</p> <p>Over gently rolling land, through sagebrush.</p>
4.00	South Moccasin Wash, dry, drains SE.
20.00	<p>Point for the S 1/16 sec. cor. of secs. 32 and 33.</p> <p>From this point, the S 1/16 sec. cor. of secs. 32 and 33, erroneously established by Olson in 1975, bears S. 59° 02' E., 0.01 chs. dist., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 2 ins. above the ground, with brass cap mkd. as described in the 1975 resurvey. I removed the iron post and at the true cor. point.</p>



Corrective Dependent Resurvey, Por. of the Subdiv. Lines  
T. 41 N., R. 4 W., G&SR Mer., Arizona

CHAINS	
	<p>Reset the iron post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T41N R4W S 1/16 S 32 S 33</p> <p style="text-align: center;">1979 1975</p> <p>Set a wood post, 5 ft. long, 4 ins. diam., 2 ft. E. of the iron post.</p>
40.00	<p>The 1/4 sec. cor. of secs. 32 and 33, monumented with an iron post, 1 in. diam, firmly set, projecting 6 ins. from the ground, with brass cap mkd.</p> <p style="text-align: center;">1/4 S 32 S 33</p> <p style="text-align: center;">1914</p> <p>Add marks T41N R4W, 1975 and 1979 to brass cap.</p> <hr/> <p>From the standard cor. of secs. 31 and 32, heretofore described.</p> <p>N. 0° 06' W., bet. secs. 31 and 32.</p> <p>Over gently rolling land, along a fence line.</p>
2.50	Top of spur, slopes E.
7.50	Enter cultivated land, fence curves NW.
15.60	Deep, sandy wash, drains E.
20.02	<p>Point for the S 1/16 sec. cor. of secs. 31 and 32.</p> <p>Point location monumented by Olson in 1975 unknown, monument had been plowed out and was found lying nearby.</p> <p>Reset the iron post, 28 ins. long, 2 1/2 ins. diam., 24 ins. below the surface of the ground, with brass cap mkd.</p> <p style="text-align: center;">T41N R4W S 1/16 S 31 S 32</p> <p style="text-align: center;">1979 1975</p> <p>from which</p> <p style="text-align: center;">A 60pd nail and washer, set in the N. face of cherry tree, 24 ins. diam., bears S. 83° W., 43 lks. dist.</p> <p>Cor. is located in a cultivated field.</p>
33.60	Road, bears E. and W., continue along a fence line.
40.04	The 1/4 sec. cor. of secs. 31 and 32, monumented with an iron post, 1 in. diam., firmly set, projecting 10 ins. from the ground, with brass cap mkd.

Corrective Dependent Resurvey, Por. of the Subdiv. Lines  
T. 41 N., R. 4 W., G&SR Mer., Arizona

CHAINS	
	<p style="text-align: center;">1/4 S 31 S 32</p> <p style="text-align: center;">1914</p> <p>Add marks T41N R4W, 1975 and 1979 to brass cap.</p> <p>Cor. is located at the cor. of fences, extending S. and E.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 0° 06' W., beginning new measurement.</p> <p>Over gently rolling land, along a fence line.</p>
19.99	<p>Point for the N 1/16 sec. cor. of secs. 31 and 32.</p> <p>From this point, the N 1/16 sec. cor. of secs. 31 and 32, erroneously established by Olson in 1975, bears N. 60° 57' W., 0.01 chs. dist., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 2 ins. above the ground, with brass cap mkd. as described in the 1975 resurvey. I removed the iron post and at the true corner point.</p> <p>Reset the iron post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T41N R4W N 1/16 S 31 S 32</p> <p style="text-align: center;">1979 1975</p> <p>Cor. is located 6 lks. W. and 51 lks. S. of cor. of fences extending N., S., and E.</p>
39.98	<p>The cor. of secs. 29, 30, 31 and 32, monumented with an iron post, 2 ins. diam., firmly set, projecting 12 ins. from the ground, with brass cap mkd.</p> <p style="text-align: center;">T41N R4W S 30 S 29 S 31 S 32</p> <p style="text-align: center;">1914</p> <p>Cor. is located 5 lks. S. and 8 lks. W. of cor. of fences, extending S. and W.</p> <p>Add marks 1975 and 1979 to brass cap.</p> <hr style="width: 80%; margin: 10px auto;"/>
	<p>From the 1/4 sec. cor. of secs. 29 and 32, monumented with an iron post, 1 in. diam., firmly set, projecting 2 ins. above the ground, with brass cap mkd.</p> <p style="text-align: center;">1/4 <math>\frac{S\ 29}{S\ 32}</math></p> <p style="text-align: center;">1914</p> <p>Add marks T41N R4W, 1975 and 1979 to brass cap.</p> <p>Set a wood post, 4 ft. long, 3 ins. diam., projecting 2 ft. from the ground, alongside the iron post.</p>

Corrective Dependent Resurvey, Port. of the Subdiv. Lines  
T. 41 N., R. 4 W., G&SR Mer., Arizona

CHAINS		
	<p>S. 89° 58' W., bet. secs. 29 and 32.</p> <p>Over gently rolling land, through sagebrush and scattered juniper.</p> <p>20.02 Point for the W 1/16 sec. cor. of secs. 29 and 32.</p> <p>From this point, the W 1/16 sec. cor. of secs. 29 and 32, erroneously established by Olson in 1975, bears N. 03° 41' E., 0.01 chs. dist., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 2 ins. above the ground, with brass cap mkd. as described in the 1975 resurvey. I removed the iron post and at the true corner point.</p> <p>Reset the iron post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T41N R4W</p> <p>W 1/16 <math>\frac{S\ 29}{S\ 32}</math></p> <p>1979</p> <p>1975</p> </div> <p>Set a wood post, 6 ft. long, 4 ins. diam., 5 lks. N. of the iron post.</p>	
40.04	<p>The cor. of secs. 29, 30, 31, and 32.</p> <hr/> <p>S. 89° 54' W., bet. secs. 30 and 31.</p> <p>Over nearly level land, along a fence line.</p> <p>20.00 Point for the E 1/16 sec. cor. of secs. 30 and 31.</p> <p>From this point, the E 1/16 sec. cor. of secs. 30 and 31, erroneously established by Olson in 1975, bears N. 8° 14' W., 0.08 chs. dist., monumented with an iron post, 2 1/2 ins. in diam., firmly set, projecting 2 ins. above the ground, with brass cap mkd. as described in the 1975 resurvey. I removed the iron post and at the true corner point.</p> <p>Reset the iron post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T41N R4W</p> <p>E 1/16 <math>\frac{S\ 30}{S\ 31}</math></p> <p>1979</p> <p>1975</p> </div> <p>Cor. is located approximately 6 lks. S. and 2 lks. E. of the cor. of fences, extending E. and W.</p> <p>Ascend rocky slope through juniper.</p> <p>27.80 Top of ridge, bears N. and S., descend.</p> <p>34.80 Enter nearly level valley bottom with sagebrush.</p> <p>40.00 The 1/4 sec. cor. of secs. 30 and 31, monumented with an iron post, 1 in. diam., firmly set, projecting 15 ins. above the ground, with brass cap mkd.</p>	

Corrective Dependent Resurvey, Por. of the Subdiv. Lines  
T. 41 N., R. 4 W., G&SR Mer., Arizona

CHAINS	
	1/4 S 30 S 31  1914  Add marks T41N R4W, 1975 and 1979 to brass cap.
	Corrective Survey of the Subdivision of Section 31 T. 41 N., R. 4 W., G&SR Mer., Arizona
	From the true point for standard 1/4 sec. cor. of sec. 31, heretofore described.  N. 0° 06' W., on the N. and S. center line of sec. 31.  Descend over broken sandstone ledges, through scattered juniper.
16.10	Descend nearly vertical bluff, 100 ft. over talus slope.
20.01	Point for the C-S 1/16 sec. cor. of sec. 31.  From this point, the C-S 1/16 sec. cor. of sec. 31, erroneously established by Olson in 1975, bears N. 38° 40' W., 0.01 chs. dist., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above the ground, with brass cap mkd. as described in the 1975 resurvey. I removed the iron post and at the true corner point.  Reset the iron post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T41N R4W C S 31   S 1/16 C  1979 1975
21.50	Foot of talus slope, continue over nearly level sandy canyon bottom, along a fence line, through sagebrush.
29.60	Deep, sandy wash, drains E.
39.00	Ascend rocky S. slope through scattered juniper.
40.02	Point for the center 1/4 sec. cor. of sec. 31, at the intersection with the E. and W. center line.  From this point, the center 1/4 sec. cor. of sec. 31, erroneously established by Olson in 1975, bears S. 63° 26' W., 0.01 chs. dist., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 28 ins. above the ground, in a supporting mound of stone, with brass cap mkd. as described in the 1975 resurvey. I removed the iron post and at the true corner point.  Reset the iron post, 28 ins. long, 2 1/2 ins. diam., on a bare sandstone ledge, in a support mound of stone, 3 ft. base, 2 ft. high, with brass cap mkd.

Corrective Survey of the Subdivision of Section 31  
T. 41 N., R. 4 W., G&SR Mer., Arizona

CHAINS	
	T41N R4W S 31 C 1/4  1979 1975
	Cor. is located at the cor. of fences, extending E. and S.
45.00	Spur, slopes SE, descend gradually into small valley.
52.50	Leave scattered juniper, continue over nearly level valley bottom through sagebrush.
60.00	Point for the C-N 1/16 sec. cor. of sec. 31.  From this point, the C-N 1/16 sec. cor. of sec. 31, erroneously established by Olson in 1975, bears S. 7° 58' W., 0.08 chs. dist., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 3 ins. below the ground, with brass cap mkd. as described in the 1975 resurvey. I removed the iron post and at the true corner point.  Reset the iron post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T41N R4W C S 31 N 1/16 C  1979 1975
	Set a wood post, 6 ft. long, 4 ins. diam., alongside the iron post.
79.98	The 1/4 sec. cor. of secs. 30 and 31. <hr/>
	From the 1/4 sec. cor. of secs. 31 and 32.  S. 89° 56' W., on the E. and W. center line of sec. 31.  Over level land.
10.80	Road, bears N. and S.
16.40	Low ridge, bears N. and S.
20.00	Point for the C-E 1/16 sec. cor. of sec. 31.  From this point, the C-E 1/16 sec. cor. of sec. 31, erroneously established by Olson in 1975, bears WEST, 0.01 chs. dist., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 3 ins. below the ground, with brass cap mkd. as described in the 1975 resurvey. I removed the iron post and at the true corner point.  Reset the iron post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.

Corrective Survey of the Subdivision of Section 31  
T. 41 N., R. 4 W., G&SR Mer., Arizona

CHAINS	
	<p style="text-align: center;">T41N R4W S 31 C ————— C E 1/16 1979 1975</p>
25.97	<p>Intersect line 1-2, Moccasin Spring. Not monumented.</p> <p>From this intersection, Angle Point No. 1, bears S. 49° 33' E., 1.88 chs. dist., monumented with an iron post, 1 in. diam., firmly set, projecting 8 ins. above the ground, with a locust post, 3 in. diam., set alongside with brass cap mkd. as described in the official record of the 1925 survey.</p> <p style="padding-left: 40px;">From Angle Point No. 1, Angle Point No. 4, bears S. 40° 34' W., 6.06 chs. dist., monumented with an iron post, 1 in. diam., firmly set flush with the ground, with brass cap mkd. as described in the official record of the 1925 survey.</p> <p>From this same intersection, Angle Point No. 2, bears N. 49° 33' W., 4.20 chs. dist., monumented with an iron post, 1 in. diam., firmly set, projecting 8 ins. above the ground, in a collar of stone, with brass cap mkd. as described in the official record of the 1925 survey.</p>
28.80	<p>Wash, drains SE, continue along S. slope through scattered juniper.</p>
31.48	<p>Intersect line 2-3, Moccasin Spring. Not monumented.</p> <p>From this intersection, Angle Point No. 2, bears N. 40° 22' E., 3.55 chs. dist., heretofore described.</p> <p>From this same intersection, Angle Point No. 3, bears S. 40° 22' W., 2.51 chs. dist., monumented with an iron post, 1 in. diam., buried 14 ins. below the surface of the ground, with brass cap mkd. as described in the official record of the 1925 survey.</p> <p style="padding-left: 40px;">From Angle Point No. 3, Angle Point No. 4, bears S. 49° 37' E., 6.06 chs. dist., heretofore described.</p>
40.00	<p>The center 1/4 sec. cor. of sec. 31.</p>
59.47	<p>Witness cor. for the C-W 1/16 sec. cor. of sec. 31, as established by Olson during the 1975 survey and not called for in the official record, monumented with an iron post, 28 ins. long, 2 1/2 ins. diam., 24 ins. above the ground, in a support mound of stone, 3 ft. base to top, with brass cap mkd.</p>
	<p style="text-align: center;">W C T41N R4W S 31 C ←———— C W 1/16 1975</p> <p>Add the marks 1979.</p>

Corrective Survey of the Subdivision of Section 31  
T. 41 N., R. 4 W., G&SR Mer., Arizona

CHAINS	
59.97	True point for the C-W 1/16 sec. cor. of sec. 31, falls on face of sandstone ledge. Impractical to monument.
64.50	Nearly vertical sandstone bluff, 100 ft. high, descend talus slope.
72.50	Wash, drains S.
79.84	The 1/4 sec. cor. of secs. 31 and 36, on the W. bdy. of the Tp.
9.50	<p>From the C-E 1/16 sec. cor. of sec. 31.</p> <p>N. 0° 06' W., on the N. and S. center line of the NE 1/4 of sec. 31.</p> <p>Begin gentle ascent along W. slope of ridge, bearing N. and S., through scattered juniper.</p>
14.30	Large water storage tank, 20 ft. diam., bears WEST, 76 lks. on top of ridge, begin gradual descent along E. slope.
19.98	<p>Point for the NE 1/16 sec. cor. of sec. 31, at intersection with the E. and W. center line of the NE 1/4.</p> <p>From this point, the NE 1/16 sec. cor. of sec. 31, erroneously established by Olson in 1975, bears S. 2° 53' E., 0.18 chs. dist., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above the ground, with brass cap mkd. as described in the 1975 resurvey. I removed the iron post and at the true corner point.</p> <p>Reset the iron post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T41N R4W S 31 NE 1/16</p> <p style="text-align: center;">1979 1975</p> <p>Cor. is located in fence, bears N. and S. and approximately 9 lks. S. of a fence to the W.</p>
39.96	<p>The E 1/16 sec. cor. of secs. 30 and 31.</p> <hr/> <p>From the N 1/16 sec. cor. of secs. 31 and 32.</p> <p>S. 89° 55' W., on the E. and W. center line of the NE 1/4 of sec. 31.</p> <p>Over nearly level land, along a fence line, through sagebrush.</p> <p>18.00 Ascend through scattered juniper.</p> <p>20.00 The NE 1/16 sec. cor. of sec. 31.</p> <p>23.50 Top of ridge, bears nearly N. and S., descend.</p> <p>35.20 Wash, drains S.</p>

Corrective Survey of the Subdivision of Section 31  
T. 41 N., R. 4 W., G&SR Mer., Arizona

CHAINS	
40.00	The C-N 1/16 sec. cor. of sec. 31.
	<hr/> <p>From the standard E 1/16 sec. cor. of sec. 31, heretofore described.</p> <p>N. 0° 06' W., on the N. and S. center line of the SE 1/4 of sec. 31.</p> <p>Ascend steep, broken sandstone ledges.</p>
1.50	Spur, slopes NE, descend same sandstone ledges.
12.00	Enter gently rolling sandy canyon bottom.
20.02	Point for the SE 1/16 sec. cor. of sec. 31, at intersection with the E. and W. center line of the SE 1/4.
	<p>From this point, the SE 1/16 sec. cor. of sec. 31, erroneously established by Olson in 1975, bears N. 37° 14' W., 0.19 chs. dist., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above the ground, with brass cap mkd. as described in the 1975 resurvey. I removed the iron post and at the true corner point.</p> <p>Reset the iron post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, in a supporting mound of stone, 3 ft. base, 2 ft. high, with brass cap mkd.</p>
	<p style="text-align: center;">T41N R4W S 31 SE 1/16</p> <p style="text-align: center;">1979 1975</p>
24.80	Deep, sandy draw, course SE at the intersection of draws from W. and NW.
30.50	Enter farmyard area, continue along fence line.
40.04	The C-E 1/16 sec. cor. of sec. 31.
	<hr/> <p>From the S 1/16 sec. cor. of secs. 31 and 32.</p> <p>S. 89° 57' W., on the E. and W. center line of the SE 1/4 of sec. 31.</p> <p>Over level sandy canyon bottom.</p>
9.80	Deep, sandy drain, course ESE.
12.00	Point of spur, slopes N., descend.
20.01	The SE 1/16 sec. cor. of sec. 31.
28.00	Enter scattered juniper on steep NE slope over broken sandstone ledges.
33.70	Spur, slopes NNE, descend W. slope.
40.00	The C-S 1/16 sec. cor. of sec. 31.
	<hr/>



Corrective Survey of the Subdivision of Section 31  
T. 41 N., R. 4 W., G&SR Mer., Arizona

CHAINS	
	<p>From the standard W 1/16 sec. cor. of sec. 31, heretofore described.</p> <p>N. 0° 08' W., on the N. and S. center line of the SW 1/4 of sec. 31.</p> <p>Descending along E. side of spur, through scattered juniper.</p>
14.20	Nearly vertical sandstone cliff, descend talus slope.
18.50	Foot of talus slope, enter gently rolling sandy canyon bottom, through sagebrush.
19.98	Point for the SW 1/16 sec. cor. of sec. 31, at intersection with the E. and W. center line of the SW 1/4.
	<p>From this point, the SW 1/16 sec. cor. of sec. 31, erroneously established by Olson in 1975, bears N. 33° 41' W., 0.01 chs. dist., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 2 ins. above the ground, with brass cap mkd. as described in the 1975 resurvey. I removed the iron post and at the true cornerpoint.</p> <p>Reset the iron post, 28 ins. long, 2 1/2 ins. in diam., 26 ins. in the ground, in a supporting mound of stone, 3 ft. base, 1 1/2 ft. high, with brass cap mkd.</p>
	<p>T41N R4W S 31 SW 1/16</p> <p>1979 1975</p>
30.60	Deep sandy wash, drains E.
35.08	Leave valley bottom, ascend steep, broken sandstone ledges, through scattered juniper.
39.97	The C-W 1/16 sec. cor. of sec. 31.
	<p>From the C-S 1/16 sec. cor. of sec. 31.</p> <p>N. 89° 59' W., on the E. and W. center line of the SW 1/4 of sec. 31.</p> <p>Along foot of talus slope, bears N., through scattered juniper and sagebrush.</p>
19.94	The SW 1/16 sec. cor. of sec. 31.
24.00	Enter gently rolling sandy canyon bottom through sagebrush.
39.40	Enter deep sandy wash.
39.85	The true point for the S 1/16 sec. cor. of secs. 31 and 36, on the W. bdy. of the Tp.

Corrective Survey of the Subdivision of Section 32  
T. 41 N., R. 4 W., G&SR Mer., Arizona

CHAINS	
	<p>From the standard 1/4 sec. cor. of sec. 32, heretofore described.</p>
	<p>N. 0° 04' W., on the N. and S. center line of sec. 32.</p>
	<p>Over gently rolling land, through sagebrush.</p>
17.70	<p>Deep, sandy wash, drains E.</p>
20.02	<p>Point for the C-S 1/16 sec. cor. of sec. 32.</p>
	<p>From this point, the C-S 1/16 sec. cor. of sec. 32, erroneously established by Olson in 1975, bears N. 52° 45' E., 0.01 chs. dist., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 2 ins. above the ground, with brass cap mkd. as described in the 1975 re-survey. I removed the iron post and at the true corner point.</p>
	<p>Reset the iron post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">T41N R4W C S 32 S 1/16 C  1979 1975</p>
	<p>Cor. is located in a fence extending N. and 10 lks. N. of a fence to the W.</p>
40.04	<p>The center 1/4 sec. cor. of sec. 32, established by Ralph B. Platt, Consulting Engineer and Land Surveyor of Cedar City, UT, monumented with an iron pipe, 1 in. diam., set flush with the ground, at the intersection with the E. and W. center line of the sec. This point is accepted as a careful and faithful determination of the position of the cor.</p>
	<p>From this point, the center 1/4 sec. cor. of sec. 32, erroneously established by Olson in 1975, bears N. 68° 28' W., 0.12 chs. dist., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 3 ins. above the ground, with brass cap mkd. as described in the 1975 resurvey. I removed the iron post and at the true corner point.</p>
	<p>Reset the iron post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">T41N R4W C 1/4 S 32  1979 1975</p>
	<p>Place 1 in. iron pipe inside the iron post.</p>
	<p>Cor. is located at the intersection of fences extending N., S., E., and W.</p>
	<p style="text-align: center;">_____</p> <p>N. 0° 04' W., beginning new measurement.</p>

Corrective Survey of the Subdivision of Section 32  
T. 41 N., R. 4 W., G&SR Mer., Arizona

CHAINS	
20.00	<p>Point for the C-N 1/16 sec. cor. of sec. 32.</p> <p>From this point, the C-N 1/16 sec. cor. of sec. 32, erroneously established by Olson in 1975, bears N. 46° 41' E., 0.01 chs. dist., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above the ground, with brass cap mkd. as described in the 1975 resurvey. I removed the iron post and at the true corner point.</p> <p>Reset the iron post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T41N R4W C S 32 N 1/16 C</p> <p style="text-align: center;">1979 1975</p> <p>Cor. is located 20 lks. S. and 17 lks. W. of the cor. of fences extending S. and W.</p>
40.00	<p>The 1/4 sec. cor. of secs. 29 and 32.</p> <hr/> <p>From the 1/4 sec. cor. of secs. 32 and 33.</p> <p>N. 89° 59' W., on the E. and W. center line of sec. 32.</p> <p>Over nearly level land, through sagebrush.</p>
20.02	<p>Point for the C-E 1/16 sec. cor. of sec. 32, monumented with an iron post, 28 ins. long, 2 1/2 ins. diam., 2 ins. above the ground, with brass cap mkd.</p> <p style="text-align: center;">T41N R4W S 32 C-----C E 1/16</p> <p style="text-align: center;">1975</p> <p>With a wood post 8 ft. long, 5 ins. diam., alongside the iron post.</p> <p>Cor. is located 19 lks. S. and 19 lks. W. of the cor. of fences extending S. and W.</p> <p>Add marks 1979.</p>
40.04	<p>The center 1/4 sec. cor. of sec. 32.</p> <hr/> <p>N. 89° 59' W., beginning new measurement.</p>
20.01	<p>Point for the C-W 1/16 sec. cor. of sec. 32.</p>

Corrective Survey of the Subdivision of Section 32  
T. 41 N., R. 4 W., G&SR Mer., Arizona

CHAINS	
	<p>From this point, the C-W 1/16 sec. cor. of sec. 32, erroneously established by Olson in 1975, bears N. 61° 56' E., 0.13 chs. dist., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 1 in. above the ground, with brass cap mkd. as described in the resurvey. I removed the iron post and at the true corner point.</p> <p>Reset the an iron post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T41N R4W S 32 C-----C W 1/16  1979 1975</p> <p>Cor. is located 3 lks. W. and 1 lk. N. of the cor. of fences extending N., E., and W.</p>
40.02	<p>The 1/4 sec. cor. of secs. 31 and 32.</p>
	<p>From the standard E 1/16 sec. cor. of sec. 32, heretofore described.</p> <p>N. 0° 05' W., on the N. and S. center line of the SE 1/4 of sec. 32.</p> <p>Over gently rolling land, through sagebrush.</p>
20.01	<p>Point for the SE 1/16 sec. cor. of sec. 32, at intersection with the E. and W. center line of the SE 1/4.</p> <p>From this point, the SE 1/16 sec. cor. of sec. 32, erroneously established by Olson in 1975, bears N. 82° 27' E., 0.12 chs. dist., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above the ground, with brass cap mkd. as described in the 1975 resurvey. I removed the iron post and at the true corner point.</p> <p>Reset the iron post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T41N R4W S 32 SE 1/16  1979 1975</p> <p>Cor. is located approximately 10 lks. W. and 3 lks. S. of the cor. of fences extending N. and W.</p> <p>Continue along fence line.</p>
40.01	<p>The C-E 1/16 sec. cor. of sec. and 32.</p>
	<p>From the S 1/16 sec. cor. of secs. 32 and 33.</p>

Corrective Survey of the Subdivision of Section 32  
T. 41 N., R. 4 W., G&SR Mer., Arizona

CHAINS		
	WEST, on the E. and W. center line of the SE 1/4 of sec. 32.	
	Over nearly level land, through sagebrush.	
15.00	Draw, drains ESE.	
20.03	The SE 1/16 sec. cor. of sec. 32.	
30.50	Leave fence on angle to NW.	
33.80	Draw, drains ENE.	
40.05	The C-S 1/16 sec. cor. of sec. 32.	
	From the standard W 1/16 sec. cor. of sec. 32, heretofore described.	
	N. 0° 05' W., on the N. and S. center line of the SW 1/4 of sec. 32.	
	Over nearly level land, through sagebrush.	
14.30	Deep, sandy wash, drains E.	
20.02	The SW 1/16 sec. cor. of sec. 32, at intersection with the E. and W. center line of the SW 1/4, monumented with an iron post, 28 ins. long, 2 1/2 ins. diam., 2 ins. above the ground, with brass cap mkd.	
	T41N R4W S 32 SW 1/16  1975	
	Add marks 1979.	
	Cor. is located 4 lks. N. of a fence, bears E. and W.	
40.04	The C-W 1/16 sec. cor. of sec. 32.	
	From the C-S 1/16 sec. cor. of sec. 32.	
	N. 89° 59' W., on the E. and W. center line of the SW 1/4 of sec. 32.	
	Over nearly level pasture.	
20.00	The SW 1/16 sec. cor. of sec. 32.	
33.70	Paved road, bears N. and S., enter cultivated field.	
40.01	The S 1/16 sec. cor. of secs. 31 and 32.	
	From the C-W 1/16 sec. cor. of sec. 32.	
	N. 0° 05' W., on the N. and S. center line of the NW 1/4 of sec. 32.	
	Over level land, along a fence line.	

Corrective Survey of the Subdivision of Section 32  
T. 41 N., R. 4 W., G&SR Mer., Arizona

<p>CHAINS 20.00</p>	<p>Point for the NW 1/16 sec. cor. of sec. 32, at intersection with the E. and W. center line of the NW 1/4.</p> <p>From this point, the NW 1/16 sec. cor. of sec. 32, erroneously established by Olson in 1975, bears S. 88° 29' E., 0.17 chs. dist., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above the ground, with brass cap mkd. as described in the 1975 resurvey. I removed the iron post and at the true corner point.</p> <p>Reset the iron post, 28 ins. long, 2 1/2 ins. in diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T41N R4W S 32 NW 1/16</p> <p style="text-align: center;">1979 1975</p> <p>Cor. is located approximately 36 lks. S. and 10 lks. W. of the cor. of fences extending E., S., and W.</p>
<p>39.99</p>	<p>The W 1/16 sec. cor. of secs. 29 and 32.</p> <hr/> <p>From the C-N 1/16 sec. cor. of sec. 32.</p> <p>S. 89° 59' W., on the E. and W. center line of the NW 1/4 of sec. 32.</p> <p>Over level land, along a fence line.</p>
<p>20.01</p>	<p>The NW 1/16 sec. cor. of sec. 32.</p>
<p>40.03</p>	<p>The N 1/16 sec. cor. of secs. 31 and 32.</p> <hr/> <p style="text-align: center;">General Description</p> <p>The area encompassed in this survey is located four miles north of Pipe Spring National Monument, and 14 miles westsouthwest of Fredonia, Arizona. The elevation ranges from 5000 ft. to 5800 ft. above sea level. The soil varies from fine, red sandy loam to rough, broken sandstone ledges and cliffs. Moccasin Creek drains easterly through the center of sections 31 and 32, with most of the flow from Moccasin Spring, located in the east part of section 31 diverted for domestic and irrigation purposes.</p> <p>A paved road from Pipe Spring National Monument serves the small settlement of Moccasin, consisting of about a dozen residences. Cultivation consists of gardens and a few fruit trees in and around the settlement with some gazing lands nearby.</p>

Form 9180-8  
(March 1969)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Michael N. Adkins	Surveying Aid
Duane C. Maktima	Surveying Aid
Paul Lukacovic	Student Trainee

CERTIFICATE OF SURVEY

(I) ~~XXXX~~ Harry S. Pierce, HEREBY  
 CERTIFY upon honor that, in pursuance of special instructions bearing date of the 8th day  
 of April, 1975, ~~XXXXXXXXXX~~ and Supplemental Special Instructions  
 dated August 22, 1979, (I) have corrected the dependent resurvey of a portion  
 of the Tenth Standard Parallel North, on the south boundary, and a portion of  
 the First Guide Meridian West, on the west boundary, and a portion of the sub-  
 divisional lines, and corrected the survey of the subdivision of sections 31  
 and 32, Township 41 North, Range 4 West,

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), ~~XXXX~~ and under (my)  
~~XXXX~~ direction; and that said survey has been made in strict conformity with said special instruc-  
 tions, 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.

September 24, 1979  
 (Date)

*Harry S. Pierce*  
 Supervisory (Cadastral Surveyor)

\_\_\_\_\_  
 (Date)

\_\_\_\_\_  
 (Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT  
~~Washington, D.C.~~  
 Denver, Colorado

The foregoing field notes of the correction of the dependent resurvey of a portion  
 of the Tenth Standard Parallel North, on the south boundary, and a portion  
 of the First Guide Meridian West, on the west boundary, and a portion of the  
 subdivisional lines, and the corrective survey of the subdivision of sections  
 31 and 32, Township 41 North, Range 4 West, of the Gila and Salt River Meridian,  
 Arizona  
 executed by Harry S. Pierce, Supervisory Cadastral Surveyor  
 having been critically examined and found correct, are hereby approved.

JAN 29 1980  
 (Date)

*J. Voorhes*  
 (Chief, Division of Cadastral Survey)  
 Chief, Cadastral Survey Examination and Approval Staff

CERTIFICATE OF TRANSCRIPT

I CERTIFY That the foregoing transcript of the field notes of the above-described surveys in  
 \_\_\_\_\_, is a true copy of the original field notes.

\_\_\_\_\_  
 (Date)

\_\_\_\_\_  
 (Chief, Division of Cadastral Survey) GPO 849-626