Form 9180-6 (April 1974)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FIELD NOTES

	01	F THE		
DEPENDEN'	resurvey of a Po	ORTION OF THE N	ORTH BOUNDARY,	
	THE SURVEY OF	A PORTION OF T	HE	
	NORTH BOUNDARY AN	D SUBDIVISIONAL	LINES,	
	TOWNSHIP 31 NO	RTH, RANGE 3 WE	ST	
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September 1				
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		A Commence of the Commence of		
				N. C.
Of the	GILA AND	SALT RIVER		Meridian,
In the State of	AR	IZONA		
	EXEC	CUTED BY		
GILBERT V. OLSON		SUPERVISORY	CADASTRAL SURVEYOR	
		and the state of t		
Under special instructions	dated MAY 23	1075	approved JUNE 5, 197	5
onder special instructions	uateu	, 19,	pproved	, , , , , , , , , , , , , , , , , , ,
	, which pr	ovided for the surve	ys included under XXXXXIII	∑ex /Group
Number576	, and assignment	instructions dated	MAY 9	, 19 <u>75</u> .
*				
	Survey commenced	JUNE 9	, 19 <u>75</u>	
	Survey completed	JULY 25	, 19 <u>75</u>	

BOOK 5081

INDEX DIAGRAM

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1 B

T. 31 N., R. 3 W., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes are those of the dependent resurvey of a portion of the north boundary, the survey of a portion of the north boundary and subdivisional lines, Township 31 North, Range 3 West, Gila and Salt River Meridian, Arizona.

A portion of the east boundary was surveyed by J. C. Dobbins, in 1900. The south bounary, a portion of the west and north boundaries, and subdivisional lines were surveyed by F. B. Jacobs, in 1901.

This survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated May 23, 1975, for Group No. 576, Arizona.

The directions of the lines were determined by Polaris and solar observations. They refer to the true meridian.

Preliminary to the resurvey the lines of the original survey were retraced and search was made for all corners and other calls of record. Identified corners were remonumented in their original positions. The retracement data were thoroughly verified and only the true line field notes are given herein. Certain corners not established during the original survey, were positioned at proportionate distances based on the supplemental plat, (protraction) approved September 6, 1902, in order to protect certain bona fide rights of patents based thereon.

Corners relative to the lines between sections 3 and 4, 9 and 10, 15 and 16, and 21 and 22 were marked and monumented at safe, locatable positions during the survey of an extremely rugged and remote area. The true positions for the corners were then determined by computational methods, and the monuments, while not marked in an orthodox manner, are designated to serve as off line witness corners to the true points for the corners. The bearings and distances to the witness corners are reflected on the plat and in the field notes of the survey.

The geographic position of the corner of sections 19, 24, 25, and 30, on the east boundary of the township, as scaled from the U. S. Geological Survey quadrangle map "SUPAI," 1962, is as follows:

Latitude 36° 03.0' N., Longitude 112° 32.8' W.

The mean magnetic declination is $14\frac{1}{2}^{\circ}$ E.

Dependent Resurvey of a Portion of the North Boundary T. 31 N., R. 3 W., Gila and Salt River Meridian, Arizona

Restoring the survey executed by F. B. Jacobs, in 1901

Beginning at the cor. of secs. 2, 3, 34, and 35, on the N. bdy. of the Tp., monumented with a limestone, $18 \times 15 \times 8$ ins., firmly set 6 ins. in the ground, supported with a mound of stone, 2 ft. base, 1 ft. high, mkd. with two grooves on E. and four grooves on W. faces.

At the corner point

Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground, supported with a mound of stone, 3 ft. base, to top, with brass cap mkd.

Dependent Resurvey, Portion of North Boundary T. 31 N., R. 3 W., G&SR Mer., Arizona

CHAINS	T32N R3W S 34 S 35 S 3 S 2	
	T31N	
	1975	
	Deposit original cor. stone in the mound alongside iron post.	
	N. 89° 19' W., bet. secs. 3 and 34.	
	Over nearly level land, through moderate undergrowth; across plateau.	
27.96	The witness 1/4 sec. cor. to secs. 3 and 34, monumented with a limestone, $20 \times 10 \times 8$ ins., firmly set in a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, no marks visible on stone.	
	At the corner point	
	Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., on bedrock, supported with a mound of stone, 3 ft. base, to top, with brass cap mkd.	
	w c	
	T32N R3W	
	1 ₄ S 34 S 3	
	T31N	•
	1975	
	Deposit cor. stone in the mound alongside iron post.	
	N. 89° 40' W., beginning new measurement.	
	Continue over nearly level land.	
0.15	E. rim of Cataract Canyon, bears NW. and SW.; desc. over vertical sandstone ledges and steep rocky talus slopes.	
12.22	True point for the 1/4 sec. cor. of secs. 3 and 34, at proportionate distance. This point falls on the vertical E. wall of Cataract Canyon where it is impracticable to establish a permanent monument.	
	From the true point for the cor. of secs. 4, 5, 32, and 33, on the N. bdy. of the Tp., at proportionate distance. This point falls on the vertical W. wall of Cataract Canyon where it is impracticable to establish a permanent monument.	
	N. 89° 40' W., bet. secs. 5 and 32.	
	Ascend over vertical sandstone ledges and steep rocky talus slopes.	
17.32	The witness cor. to secs. 4, 5, 32, and 33, monumented with a limestone, 22 x 11 x 6 ins., loosely set in a mound of stone, 2 ft. base, 1 ft. high, mkd. with W on W. face, with a mound of stone, 2 ft. base, 1 ft. high, 5 ft. E. of cor. and a mound of stone, 2 ft. base, 1 ft. high, 10 ft. E. of cor.	
	At the corner point	

Dependent Resurvey, Portion of North Boundary T. 31 N., R. 3 W., G&SR Mer., Arizona

	1. 31 N., R. 5 W., Gusk Mel., Allzona		
CHAINS	Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., over an "X" chiseled on a limestone ledge, supported with a mound of stone, 5 ft. base, to top, with brass cap mkd.		
	W C T32N R3W S 32 S 33 S 5 S 4 T31N		
	1975		
	Deposit original cor. stone in the mound alongside iron post and rebuild mounds of stone, 3 ft. base, 3 ft. high, 5 and 10 ft. E. of cor.		
	Cor. is located on the W. rim of Cataract Canyon, bears N. and S.		
	N. 89° 45' W., beginning new measurement.		
	Desc. over broken W. slope.		
4.60	Draw, drains NW.		
9.70	Spur, slopes N.; desc. steep rocky W. slope.		
17.40	Wash, drains N.; asc. steep rocky E. slope.		
20.89	Point for the 1/4 sec. cor. of secs. 5 and 32, at proportionate distance. This point falls in an inaccessible position and is not monumented.		
	Continue ascent over steep rocky E. slope.		
25.89	The witness 1/4 sec. cor. to secs. 5 and 32, monumented with a limestone, 20 x 12 x 8 ins., firmly set in a mound of stone, 3 ft. base, 1 ft. high, mkd. with WC on W. face, with a mound of stone, 3 ft. base, 1 ft. high, 5 ft. W. of the cor.		
	At the corner point		
	Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground, supported with a mound of stone, 3 ft. base, to top, with brass cap mkd.		
	W C T32N R3W 1/4 S 32 S 5 T31N		
	1975		
	Deposit original cor. stone in the mound alongside iron post and rebuild the mound, 3 ft. base, 2 ft. high, 5 ft. W. of the cor.		
	Cor. is located on the W. rim of small canyon, bears N. and S.		

S. 89° 49' W., beginning new measurement.

Dependent Resurvey, Portion of North Boundary T. 31 N., R. 3 W., G&SR Mer., Arizona

CHAINS	Over nearly level land.
8.60	E. rim of canyon, bears N. and S.; desc. steep W. slope.
16.40	Wash in bottom of canyon, drains N.; asc. steep E. slope.
22.90	Top of ascent and W. rim of canyon, bears N. and S.; thence over nearly level land.
36.24	The cor. of secs. 5, 6, 31, and 32, monumented with a limestone, 32 x 10 x 8 ins., firmly set 6 ins. in the ground, and in a mound of stone, 2 ft. base, 1 ft. high, mkd. with T32N on N., R3W and 5 grooves on E., T31 on S. and 1 groove on W. faces, with mounds of stone, 2 ft. base, 1 ft. high, 8 ft. dist. each in the NE, SE, SW, and NE quadrants.
	At the corner point
	Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground, and in a mound of stone, 3 ft. base, to top, with brass cap mkd.
	T32N R3W S 31 S 32 S 6 S 5 T31N
	1975
	Deposit original cor. stone in the mound alongside iron post.
	S. 89° 42' W., bet. secs. 6 and 31.
	Over nearly level land, through moderate undergrowth, across plateau.
14.50	Wash, drains N.
40.10	The 1/4 sec. cor. of secs. 6 and 31, monumented with a limestone, 18 x 12 x 6 ins., firmly set 4 ins. in the ground, and in a mound of stone, 2 ft. base, 1 ft. high, mkd. 1/4 S31 on N. face, with a small mound of stone N. of cor., and mounds of stone, 2 ft. base, 1 ft. high, 5 ft. each in the NE, SE, SW, and NW quadrants.
	At the corner point
	Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground, supported with a mound of stone, 3 ft. base, to top, with brass cap mkd.
	T32N R3W L4 S 31 S 6 T31N
	1975
	Deposit original cor. stone in the mound alongside iron post and rebuild the mound, 3 ft. base, 2 ft. high, N. of cor.

Survey,	Portion of R. 3 W	the North	Boundary
T. 31 N.	R. 3 W	G&SR Mer.	. Arizoná

	1. 31 N., R. 3 W., G&SK Mer., Arizona
CHAINS	From the true point for the 1/4 sec. cor. of secs. 3 and 34, hereinbefore described.
	N. 89° 40' W., bet. secs. 3 and 34.
	Descend steep rocky W. slope of the E. wall of Cataract Canyon.
22.40	Draw, drains SW.
37.80	Draw, drains S., asc. over broken E. slope.
40.75	True point for the cor. of secs. 3, 4, 33, and 34, falls in ledges and boulders on a steep E. slope, where it is impracticable to establish a permanent monument.
	N. 89° 40' W., bet. secs. 4 and 33.
	Asc. steep broken and rocky E. slope.
1.15	Top of vertical ledge, 20 ft. high, bears N. and S.; thence over top of spur, slopes S.
1.22	Point selected for witness cor. to secs. 3, 4, 33 and 34.
	Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in a crack in sandstone, supported with a small mound of stone, to top, with brass cap mkd.
	W C T32N R3W S 33 C C C S 4 S 3 T31N
	1975
	Raise a mound of stone, 3 ft. base, 2 ft. high, S. of the cor.
	This cor. was initially mkd. as a witness closing cor. to secs. 3 and 4, T. 31 N., R. 3 W. This cor.'s true function is a witness cor. to secs. 3, 4, 33, and 34.
1.80	Begin descent over steep broken SW slope.
22.00	Bottom of descent, slopes NW; thence over level bottom of Cataract canyon.
26.40	Wash in bottom of canyon, drains NNW.
30.00	Foot of cliff, 30 ft. high, bears N. and S.; asc. over sandstone ledges and broken E. slope.
39.00	Enter saddle in low ridge, bears N. and S.; desc. over broken NW slope.
40.75	Point for the 1/4 sec. cor. of secs. 4 and 33.
	Set an iron post, 28 ins. long, 2½ ins. diam., on a sandstone ledge, supported with a mound of stone, 4 ft. base, to top, with brass cap mkd.

Survey, Portion of the North Boundary T. 31 N., R. 3 W., G&SR Mer., Arizona

CHAINS	T32N R3W ½ S 33
	1975
	This cor. was initially mkd. as a cor. for sec. 33 only. This cor.'s true function is the 1/4 sec. cor. of secs. 4 and 33.
	Desc. over broken NW slope.
43.50	Small ravine, drains N.; asc. broken NE slope.
47.60	Peak (or point) of small knoll; desc. NW slope.
52.20	Ravine, drains N.; asc. steep E. slope of Cataract Can- yon.
76.00	Begin ascent over vertical cliffs, bears N. and S.
81.50	The true point for the cor. of secs. 4, 5, 32, and 33, hereinbefore described.
	From the 1/4 sec. cor. of secs. 6 and 31, on the N. bdy. of the Tp., hereinbefore described.
	S. 89° 39' W., bet. secs. 6 and 31.
·	Over gently rolling land, through moderate undergrowth, across plateau.
6.00	E. rim of Driftwood Canyon, bears N. and S.; desc. over steep cliffs and ledges.
10.70	Ravine, drains NW; continue descent over cliffs and ledges.
37.36	Point for the cor. of Tps. 31 and 32 N., Rs. 3 and 4 W., determined latitudinally on line bet. the 1/4 sec. cor. of secs. 6 and 31, Tps. 31 and 32 N., R. 3 W., and the cor. of secs. 1, 2, 35, and 36, Tps. 31 and 32 N., R. 4 W., and longitudinally North, from the cor. of secs. 1, 6, 7, and 12, Tp. 31 N., Rs. 3 and 4 W., in accordance with the Special Insturctions.
	Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground, supported with a mound of stone, 3 ft. base, to top, with brass cap mkd.
	T32N R4W R3W S 36 S 31 S 1 S 6 T31N
	1975
	Cor. is located on a steep broken W. slope, 450 ft. above the bottom of Driftwood Canyon.
	From this point, the cor. of secs. 1, 6, 7, and 12, bears South, 78.92 chs. dist., monumented with a limestone, 22 x 12 x 6 ins., firmly set 10 ins. in the ground, and in a small mound of stone, mkd. with 5 grooves on S. and 1 groove on N. faces, with mounds of stone, 2½ ft. base, 1 ft. high, in the NE, SE, and NW quadrants, each 5 ft. dist.

At the corner point

Survey, Portion of the North Boundary T. 31 N., R. 3 W., G&SR Mer., Arizona

CHAINS	Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground, supported with a mound of stone, 2 ft. base, to top, with brass cap mkd.
	T31N R4W R3W S 1 S 6 S 12 S 7
	1975
	Deposit original cor. stone in the mound alongside iron post.
	This line was fully retraced and surveyed, careful search was made for the original witness 1/4 sec. cor. to secs. 1 and 6, and it was not recovered.
	From this same point, the cor. of secs. 1, 2, 35, and 36, Tps. 31 and 32 N., R. 4 W., bears S. 89° 39' W., 83.38 chs. dist., described in the field note record of the dependent resurvey of a portion of the S. bdy. of T. 32 N., R. 4 W., executed concurrently under this group.
	Survey of a Portion of the Subdivisional Lines T. 31 N., R. 3 W., Gila and Salt River Meridian, Arizona
	From the true point for the cor. of secs. 19, 24, 25, and 30, on the E. bdy. of the Tp., described in the field note record of a portion of the W. bdy. of T. 31 N., R. 2 W., executed concurrently under this group.
	N. 89° 59' W., bet. secs. 24 and 25.
	Desc. vertical cliffs and ledges along N. wall of Cataract Canyon.
5.50	Leave vertical cliffs, bears WNW and SE; along steep rocky SW talus slope.
17.80	Spur, slopes SW; desc. over broken SW slope.
40.11	Point for the 1/4 sec. cor. of secs. 24 and 25, at proportionate distance.
	Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, and supported by a mound of stone, 4 ft. base, 2 ft. high, on W. side of cor., with brass cap mkd.
	T31N R3W 1/4 S 24 S 25
	S 25 1975
	Cor. is located on a steep SW slope.
	Continue over broken land.
80.22	Point for the cor. of secs. 23, 24, 25, and 26, determined at proportionate distance E. and W. Attempts to tie control N. and S. proved to be impracticable.

CHAINS	Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T31N R3W S 23 S 24 S 26 S 25
	1975
	Cor. is located on E. slope of a red sandstone knoll.
	From the witness cor. to secs. 22, 23, 26, and 27, monumented with a limestone, 24 x 12 x 8 ins., firmly set 8 ins. in the ground, supported with a mound of stone, 3 ft. base, 1 ft. high, mkd. with 2 grooves on S. and E., and WC on W. faces.
	At the corner point
	Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground, supported with a mound of stone, 4 ft. base, to top, with brass cap mkd.
	W C T31N R3W S 22 S 23 S 27 S 26
	1975
	Deposit original cor. stone in the mound alongside iron post.
	Cor. is located on the S. rim of Cataract Canyon, bears SE and SW.
	N. 0° 01' W., bet. secs. 26 and 27.
	Desc. vertical limestone cliffs, on the S. wall of Cataract Canyon.
13.00	True point for the cor. of secs. 22, 23, 26, and 27, at record bearing and distance, falls on the vertical wall of Cataract Canyon where it is impracticable to establish a permanent monument.
	From the cor. of secs. 23, 24, 25, and 26.
	N. 89° 59' W., bet. secs. 23 and 26.
	Desc. over broken SW slope.
35.70	Wash in bottom of Cataract Canyon, drains NW.
39.90	Begin ascent over broken and rocky NE slope.
40.11	Point for the 1/4 sec. cor. of secs. 23 and 26, at proportionate distance, falls in bottom rocky wash, drains ENE, where it is impracticable to establish a permanent monument.
i	,

СН	AINS	
41.	.11	Point selected for the witness 1/4 sec. cor. to secs. 23 and 26.
		Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground, supported with a mound of stone, 4 ft. base, to top, with brass cap mkd.
		II. C
		$\begin{array}{c} W C \\ T31N R3W \\ \frac{S}{S} \frac{23}{26} \end{array}$
		1975
		Cor. is located on a rocky E. slope.
56	. 50	Begin ascent over vertical limestone cliffs and steep rocky talus slopes.
69.	.00	Rim of Cataract Canyon, bears N. and S.; thence over nearly level top of spur, slopes N.
72.	.21	Point selected for the witness point, on line bet. secs. 23 and 26.
		Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground, supported with a mound of stone, 3 ft. base, to top, with brass cap mkd.
		W P T31N R3W
		<u>S 23</u> <u>S 26</u>
		1975
76.	.00	Rim of Cataract Canyon, bears N. and S.; desc. over vertical cliffs and steep rocky talus slopes.
80.	.22	True point for the cor. of secs. 22, 23, 26, and 27.
		WEST, bet. secs. 22 and 27.
		Desc. over vertical cliffs and steep rocky talus slopes.
12.	.00	Bottom of vertical cliffs, bears NE and SW; thence over broken NE slope.
25.	.30	Spur, slopes NW; continue descent over broken NE slope.
40.	.00	Point for the 1/4 sec. cor. of secs. 22 and 27.
		Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 15 ins. in the ground, supported with a mound of stone, 3 ft. base, to top, with brass cap mkd.
		T31N R3W
		$\begin{array}{ccc} \frac{1}{4} & \frac{S}{S} & \frac{22}{27} \end{array}$
		1975
1		

CHAINS	Raise a mound of stone, 3 ft. base, 2 ft. high, N. of the cor.
	Cor. is located at foot of steep E. slope.
43.00	Spur, slopes N.
67.20	Black Tank Wash, drains N.; asc. over vertical broken and rocky E. slope.
80.00	Point for the cor. of secs. 21, 22, 27, and 28.
	Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in rocky ground, supported with a mound of stone, 3 ft. base, to top, with brass cap mkd.
	T31N R3W S 21 S 22 S 28 S 27
	1975
	Cor. is located about 8.00 chs. W. of a vertical cliff, 600 ft. high, facing E, bears N. and S.
	N. 0° 10' E., bet. secs. 21 and 22.
	Desc. over steep broken NE slope.
13.50	Spur, slopes NE; desc. over broken N. slope.
40.02	True point for the 1/4 sec. cor. of secs. 21 and 22, falls on a vertical ledge, where it is impracticable to establish a permanent monument.
	From this point, the point selected for the witness 1/4 sec. cor. to secs. 21 and 22, bears S. 7° 51' W., 1.03 chs. dist.
	Set a brass tablet, $3\frac{1}{4}$ ins. diam., $3\frac{1}{2}$ in. stem, in drill hole, in a boulder, with top mkd.
	w c
	T31N R3W
	S 21 S 22
	1975
	Raise a mound of stone, 2 ft. base, 1 ft. high, W. of cor.
47.00	Wash in bottom of Cataract Canyon, drains SW.
51.50	Leave canyon bottom; asc. 30 ft. over vertical ledge.
80.04	True point for the cor. of secs. 15, 16, 21, and 22.
	From this point, the point selected for the witness cor. to secs. 15, 16, 21, and 22, bears S. 82° 01' W., 0.28 chs. dist.
	Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, supported with a collar of stone, with brass cap mkd.

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CHAINS	T31N R3W S 16 S 15 S 21 S 22				
	1975				
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.				
	N. 0° 10' E., bet. secs. 15 and 16.				
	Desc. over rolling NW slope.				
12.90	Wash in bottom of Cataract Canyon, drains ENE.				
20.30	Leave level canyon bottom, bears NE and SW; asc. 200 ft. to nearly level sandstone bench.				
40.02	True point for the 1/4 sec. cor. of secs. 15 and 16.				
	From this point, the point selected for the witness 1/4 sec. cor. to secs. 15 and 16, bears S. 82° 06' W., 0.42 chs. dist.				
	Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground, supported with a mound of stone, 3 ft. base, to top, with brass cap mkd.				
	T31N R3W				
	s 16 s 15				
	1975				
47.50	Enter level canyon bottom, bears NW and SE.				
52.40	Enter wash in bottom of Cataract Canyon, drains N., from SSE; thence along wash.				
60.30	Leave wash, drains NNE, from S.; thence over level canyon bottom.				
65.40	Begin abrupt ascent over sandstone ledges and broken talus slopes.				
71.70	Leave sandstone ledges, bears NNE and SSW; thence asc. over broken SE slope, over large boulders.				
80.04	True point for the cor. of secs. 9, 10, 15, and 16.				
	From this point, the point selected for the witness corto secs. 9, 10, 15, and 16, bears S. 82° 03' W., 0.56 chs. dist.				
	Set a brass tablet, $3\frac{1}{4}$ ins. diam., $3\frac{1}{2}$ in. stem, in drill hole, in boulder with top mkd.				
	T31N R3W S 9 S 10 S 16 S 15				
	1975				
	Boulder approximately 10 x 6 x 4 ft. high.				

CHAINS			
	N. 0° 10' E., bet. secs. 9 and 10.		
	Asc. over broken SE slope, over large boulders.		
12.30	Spur, slopes E.; asc. along E. slope.		
26.50	Spur, slopes NE; desc. over N. slope.		
40.02	True point for the 1/4 sec. cor. of secs. 9 and 10.		
	From this point, the point selected for the witness 1/4 sec. cor. to secs. 9 and 10, bears S. 81° 49' W., 0.68 chs. dist.		
	Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground, supported with a mound of stone, 4 ft. base, to top, with brass cap mkd.		
	T31N R3W		
	s 9 s 10		
	1975		
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of		
	cor.		
	Continue descent over broken N. slope.		
49.40	Begin descent over steep sandstone ledges.		
52.50	Enter level canyon bottom, bears E. and W.		
56.40	Wash in bottom of Cataract Canyon, drains W.		
59.70	Begin ascent over steep sandstone ledges.		
62.80	Ridge, bears E. and W.; desc. over steep sandstone ledges.		
76.00	Enter level canyon bottom, bears NNE and SSW.		
79.50	Enter wash in bottom of Cataract Canyon, drains NNE; thence across wash.		
80.04	True point for the cor. of secs. 3, 4, 9, and 10, falls in wash where it is impracticable to establish a permanent monument.		
	From this point, the point selected for the witness cor. to secs. 3, 4, 9, and 10, bears N. 43° 31' W., 1.22 chs. dist.		
	Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.		
	W C T31N R3W S 4 S 3 S 9 S 10		
	1975		
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of		
	cor		

	CHAINS	N. 0° 10' E., bet. secs. 3 and 4.		
		Continue across wash, drains NNE.		
	0.50	Leave wash, bears NNE and SSW; asc. over SE slope.		
	11.50	Toe of spur, slopes E.; desc. over NE slope, along the bottom of canyon.		
	40.02	True point for the 1/4 sec. cor. of secs. 3 and 4.		
		From this point, the point selected for the witness 1/4 sec. cor. to secs. 3 and 4, bears S. 82° 05' W., 0.99 chs. dist.		
		Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.		
		T31N R3W		
		s 4 s 3		
		1975		
		Raise a mound of stone, 2 ft. base, 1 ft. high, W. of cor.		
	41.30	Wash in bottom of Cataract Canyon, drains NW.		
	45.30	Leave level canyon bottom, bears NNW and SSW; asc. over broken SW slope.		
	61.20	Ravine, drains W,; continue asc. over broken SW slope.		
J.	65.00	Begin ascent over sandstone ledges and large boulders.		
	80.04	The true point for the cor. of secs. 3, 4, 33, and 34, on the N. bdy. of the Tp., heretofore described.		
		General Description		
		The lands included in the notes of the foregoing survey are located about 35 miles west of the town of Grand Canyon, Arizona. The area is drained by Cataract Canyon which enters the township in section 25, drains northwesterly to the middle of the township then drains generally north. Elevations range from 3750 feet above sea level along the bottom of Cataract Canyon to about 5700 feet above sea level along the east portion of the north boundary of section 6.		
		Access into the area is limited to a few unimproved trail roads which end at the rims of the Cataract Canyon. Access into the canyon is by foot or helicopter.		
		Soil on top of the plateau is rocky to sandy loam with sandy loam and scattered silt areas in the bottom lands of the canyon.		
	·	Vegetation in the area consists of scattered juniper and moderate to dense sagebrush and sparse native grasses on the plateau, with sparse native grasses, cactus, and scattered patches of mountain mahogany in the canyon.		

T. 31 N., R. 3 W., Gila and Salt River Meridian, Arizona

CHAINS			
	There were no mineral deposits noted during the course of the survey.		•
	The average of a number of readings throughout the area gives a value of $14\frac{1}{2}^{\circ}$ E. for the mean magnetic declina-		•
	tion. There was no noticeable difference due to local attraction.		•
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Form 9180-8 (March 1969)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Kenneth A. Krenke	Cadastral Surveyor
Cruz D. Almanza	Surveying Aid
Larry A. Walter	Surveying Aid

CERTIFICATE OF SURVEY

(I) (WeX Gilbert V. Olson

, HEREBY

CERTIFY upon honor that, in pursuance of special instructions bearing date of the 23rd day of May , 19 75 , (I) XXXX have dependently resurveyed a portion of the north boundary, surveyed a portion of the north boundary and subdivisional lines, Township 31 North, Range 3 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), (XXX) and under (my) (XXX) 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.

May 31, 1977	Littlet V. Obon
(Date)	(Cadastral Surveyor)
	Gilbert V. Olson
(Date)	(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT Washington, D.C.

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

The foregoing field notes of the dependent resurvey of a portion of the north boundary, survey of a portion of the north boundary and subdivisional lines,

Township 31 North, Range 3 West, of the Gila and Salt River Meridian, Arizona,

executed by Gilbert V. Olson, Supervisory Cadastral Surveyor having been critically examined and found correct, are hereby approved.

(Date)

FEB 1 4 1979	_ Bun	Mic	Talin,
(Date)		(Chief, Division of Cad	astral Survey)
	CERTIFICATE OF	TRANSCRIPT	
I CERTIFY That the foregoin	ig transcript of the f	ield notes of the ab	ove-described surveys in
		, is a true copy o	of the original field notes.