Form 9180-6 (March 1977)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FIELD NOTES

	OF THE	
	DEPENDENT RESURVEY OF A PORTION OF THE WEST BOUNDARY	, , , , ,
	A	<u> </u>
	RETRACEMENT OF A PORTION OF THE NORTH BOUNDARY	
	A	
	DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES	
	AND	
	A SURVEY OF SUBDIVISIONS IN SECTION 6	
	TOWNSHIP 5 SOUTH, RANGE 29 EAST	
	GILA AND SALT RIVER	
O	If the	_Meridian,
In the State of	ARIZONA	
	EVECUTED DV	
	EXECUTED BY	
P.A	AUL L. REEVES CADASTRAL SURVEYO)R
		¥ .
Under special	instructions dated JANUARY 3 , 19 77 , approved JANUARY 5,	L977,
	gen beginne van de kan kommente block boeken die het de female 1900-1900 en 1900 - 1909 in de female 1909 - 1	A CHILDREN CONTROL
\$11.00 mm - 1.00 mm -	, which provided for the surveys included under U.S. Sur	vey/Group
Number	593, and assignment instructions datedJANUARY 5	_, 19 <u>77</u>
-	Survey commenced FEBRUARY 2 , 19 77	
	OCTORED 12 70	
	Survey completed, 19_/8	

BOOK 5077

INDEX DIAGRAM

	Township5_SOUTH4			, Range2	9 EAST	,
2	9 8 7	6 Б	4	3	2	1
1	7	8	9	10	11	12
	18	17	16	15	14	13
	19	20	21	22	23	24
	30	29	28	27	26	25
	31	32	33	84	35	36

10

Township 5 South, Range 29 East, Gila and Salt River Meridian, Arizona

CHAINS

The east boundary was surveyed in 1882 by Theodore F. White and partially resurveyed by Gary T. Oviatt in 1968. A portion of the south boundary was surveyed in 1891 by Daniel Drummond and completed in 1895 by Philip Contzen. A portion of the south boundary was resurveyed in 1913 by William B. Kimmel. The west and north boundaries were surveyed in 1913 by William B. Kimmel who surveyed a portion of the subdivisional lines at the same time. The north boundary was resurveyed in 1921 by William H. Thorn. A portion of the subdivisional lines were surveyed in 1950 by Ty White and the subdivisional lines were completed in 1954 by Donald E. Harding who also resurveyed a portion of the north boundary of section 4.

The following field notes are those of a dependent resurvey of a portion of the west boundary, a retracement of a portion of the north boundary, a dependent resurvey of a portion of the subdivisional lines and a survey of subdivisions in section 6, T. 5 S., R. 29 E., G&SRM., Arizona.

The survey was executed in accordance with specifications set forth in the Manual of Surveying Instructions 1973, and the Special Instructions for Group No. 593, Arizona dated January 3, 1977.

The direction of the lines of this survey was determined by altitude observations on the sun and refer to the true meridian.

Prior to restoration of any corners, all necessary lines of the original survey were retraced and diligent search was made for any evidence of the original monuments and other calls of the official record. Lost corners were reestablished at proportionate positions, but not until exhausting every reasonable possibility of finding direct evidence of the control of each corner.

The geographic position of the southeast corner of section 6, as scaled from the U. S. Geological Survey Quadrangle Map, "Clifton, Arizona", prepared in 1962, is as follows:

Latitude 33°01.1' N. Longitude 109°24' W.

The mean magnetic declination is 14°30' E.

Dependent Resurvey of a Portion of the West Boundary, T. 5 S., R. 29 E., Gila and Salt River Meridian, Arizona (Restoring the 1913 survey by William B. Kimmel)

Beginning at the 1/4 sec. cor. of secs. 7 and 12, monumented with an iron post, 1 in. diam., with brass cap properly mkd., set in a mound of stone 4 ft. base to top with a mound of stone 3 ft. base, 2 ft. high west of the cor.

N. $0^{\circ}13'$ W., bet. secs. 7 and 12.

Ascend S slope.

Spur ridge slopes E.; descend over steep cliffs.

Gulch, drains E; ascend over steep cliffs.

1.00

10.00

Dependent Resurvey of a Portion of the West Boundary, T. 5 S., R. 29 E., Gila & Salt River Meridian, Arizona

nd W; descend over steep cliffs.	•			
Frue point for the cor. of secs. 1, 6, 7 and 12 at proportionate dist. falls in the bottom of canyon draining SE., not monumented.				
s. secs. 1 and 6.				
Lope.	•			
of secs. 1, 6, 7 and 12, monumented with ins. in diam., 4 ins. below surface of tered mound of stone alongside, with				
T 5 S				
R 28 E R 29 E S 1 S 6 WC S 12 S 7				
l, 20 ins. diam, bears N. 85° W., list., mkd. with a healed blaze. cottonwood, 32 ins. diam., bears 115 lks. dist.)				
of stone, 2 1/2 ft. base, 1 1/2 ft.				
cap to read.				
W C				
R 28 E R 29 E S1 S6 S12 JS7				
1977 1913				
nning new measurement.				
e of Trujillo Canyon.				
/16 sec. cor. of secs. 1 and 6; not	;			
reek Canyon, thence over level land	:			
ks. wide, course S. 50° E.				
S. 60° E. and N. 60° W., begin steep				
	te cor. of secs. 1, 6, 7 and 12 at the falls in the bottom of canyon monumented. . secs. 1 and 6. . ope. of secs. 1, 6, 7 and 12, monumented with ms. in diam., 4 ins. below surface of tered mound of stone alongside, with T 5 S R 28 E R 29 E S 1 S 6 WC S 12 S 7 1913 ginal bearing tree , 20 ins. diam, bears N. 85° W., ist., mkd. with a healed blaze. cottonwood, 32 ins. diam., bears 115 1ks. dist.) of stone, 2 1/2 ft. base, 1 1/2 ft. cap to read. W C T 5 S R 28 E R 29 E S1 S6 S12 S7 1977 1913 nning new measurement. e of Trujillo Canyon. reek Canyon, bears E. and W. /16 sec. cor. of secs. 1 and 6; not reek Canyon, thence over level land ds, mesquite, scattered cottonwood and ks. wide, course S. 50° E.			

Dependent Resurvey of a Portion of the West Boundary, T. 5 S., R. 29 E., Gila & Salt River Meridian, Arizona

32.14	The witness 1/4 sec. cor. of secs. 1 and 6, monumented with an iron post, 1 in. diam., firmly set, projecting 12 ins. above the ground, with brass cap mkd.
	w c
	 1/4 S1 S6
	1913
	Raise a mound of stone, 2 ft. base, 1 ft. high, W. of cor.
	Remark the brass cap to read
	w c
	T 5 S R 28 E R 29 E
	1/4
	\$17\$6
	1977
	1913
	N. 0°19' W., beginning new measurement.
	Ascend vertical cliff.
4.23	True point for the 1/4 sec. cor. of secs. 1 and 6, at proportionate dist.
7.00	Top of vertical cliff, thence over rugged mountainous land.
44.18	True point for the Tp. cor. of Tps. 4 and 5 S., Rs. 28 and 29 E., at record course and dist., from the witness township cor.
	From the true point
	The witness Tp. cor. of Tps. 4 and 5 S., Rs. 28 and 29 E., bears North, .72 chs. dist., monumented by an iron post, 3 ins. diam., projecting 30 ins. above the ground, in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T 4 S
	S36 S31
	R28E W C R29E
	S1 S6
	T 5 S 1913

Dependent Resurvey of a Portion of the West Boundary, T. 5 S., R. 29 E., Gila & Salt River Meridian, Arizona

CHAINS	Remark the brass cap to read	
	W C T 4 S	
	R28E R29E S36 S31	
	S1 S6	
	T 5 S	
	1977 1913	
	1913	
	Retracement of a Portion of the North Boundary, T. 5 S., R. 29 E., Gila and Salt River Meridian, Arizona (Retracing the 1921 resurvey by William H. Thorn.)	
	From the true point for the Tp. cor. of Tps. 4 and 5 S., Rs. 28 and 29 E.	
	N. 89°40' E., bet. secs. 6 and 31.	
	Over rugged mountainous land, through scattered under- growth.	
10.00	Bottom of canyon, drains S. 20° W., as scaled from U.S. Geological Quadrangle Map, "Clifton, Arizona", prepared in 1962.	
26.90	Ridge, bears N. and S., thence over rolling mountainous land, through medium undergrowth and scattered timber.	
34.10	Bottom of canyon, drains south, as scaled from U.S. Geological Quadrangle Map, "Clifton, Arizona", prepared in 1962.	
40.12	The 1/4 sec. cor. of sec. 6 only, T. 5 S., R. 29 E. monumented with an iron post, 1 in. diam., projecting 30 ins. above the ground in a mound of stone, 3 1/2 ft. base to top, with brass cap mkd.	
	1/4 S 6 1913	
	Remark the brass cap to read	
	T 4 S R 29 E	
	T 4 S R 29 E 1/4 S 6	
	T 5 S R 29 E 1977	
	1913	
	N. 89°51' E., beginning new measurement.	
20 50		
29.50	Wash in canyon, 15 lks. wide, drains SE, curving SW.	
	1	

Retracement of a Portion of the North Boundary, T. 5 S., R. 29 E., Gila and Salt River Meridian, Arizona

CHAINS

34.93 From thi
only, T.

From this point on line the 1/4 sec. cor. of sec. 31 only, T. 4 S., R. 29 E., bears North, 6 lks. dist., monumented with an iron post, 1 in. diam., projecting 14 ins. above the ground, in a mound of stone, 2 1/2 ft. base to top, with brass cap mkd.

1/4 <u>s 31</u>

1921

Cor. is located 100 lks. S of a draw, drains S. 85° W.

Remark the brass cap to read

T 4 S R 29 E

1/4 S 31 T 5 S R 29 E

> 1977 1921

40.19

The cor. of secs. 5 and 6, Tp. 5 S., R. 29 E., monumented with an iron post, 3 ins. diam., projecting 14 ins. above the ground, in a mound of stone, 2 1/2 ft. base to top, with brass cap mkd.

Remark the brass cap to read

T 4 S R 29 E

Dependent Resurvey of a Portion of Subdivisional Lines, T. 5 S., R. 29 E., Gila & Salt River Meridian, Arizona (Restoring the 1913 survey by William B. Kimmel)

From the cor. of secs. 5, 6, 7 and 8, monumented with an iron post, 2 ins. diam., projecting 14 ins. above the ground, in a mound of stone, $2\ 1/2$ ft. base to top, with brass cap mkd.

T 5 S R 29 E

Cor. is located on a steep $N.\$ slope.

S. 89°50' W., bet. secs. 6 and 7.

Over rugged mountainous land, through medium undergrowth

Dependent Resurvey of Portion of Subdivisional Lines, T. 5 S., R. 29 E., Gila & Salt River Meridian, Arizona

CHAINS				
17.60	Bottom of Bat Canyon, drains SW, as scaled from U.S. Geological Quadrangle Map, "Clifton, Arizona", prepared in 1962.			
27.40	Bottom of canyon, drains S., as scaled from U.S. Geological Quadrangle Map, "Clifton, Arizona", prepared in 1962.			
37.80	Eagle Creek, 20 lks. wide, course S. 10° W., thence through dense timber and undergrowth.			
38.40	Track road, bears N. 10° E. and S. 10° W.			
40.14	Point for the 1/4 sec. cor. of secs. 6 and 7 at proportionate dist; not monumented.			
40.87	Point for the witness 1/4 sec. cor. of secs. 6 and 7, at proportionate dist., there is no remaining evidence of the original witness cor.; not monumented.			
46.00	Leave canyon bottom, bears N. and S., thence over rugged mountainous land, through scattered undergrowth.			
60.21	Point for the W 1/16 sec. cor. of secs. 6 and 7, falls on the NE face of a vertical cliff, impractical to monument.			
63.41	Point selected for the witness W 1/16 sec. cor. of secs. 6 and 7.			
	Set an iron post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.			
	W C T 5 S R 29 E			
	W 1/16 S 6 S 7 1977			
	Raise a mound of stone, 2 1/2 ft. base, 1 1/2 ft. high, N. of cor.			
	Cor. is located at base of a vertical cliff.			
64.60	Bottom of Trujillo Canyon, drains NE, as scaled from U.S. Geological Quadrangle Map, "Clifton, Arizona", prepared in 1962.			
78.30	Bottom of Trujillo Canyon, drains SE, curving easterly, as scaled from U.S. Geological Quadrangle map, "Clifton, Arizona", prepared in 1962.			
80.28	True point for the cor. of secs. 1, 6, 7 and 12 on the W. bdy. of the Tp.			
	From the cor. of secs. 5, 6, 7 and 8.			
	N. 0°13' W., bet. secs. 5 and 6.			
	Over rolling mountainous land, through scattered cedar and cacti.			
7.50	Bat Canyon, drains S. 80° W., as scaled from U.S. Geological Quadrangle Map, "Clifton, Arizona", prepared in 1962.			
	1			

Dependent Resurvey of a Portion of Subdivisional Lines, T. 5 S., R. 29 E., Gila & Salt River Meridian, Arizona

29.80	Ridge, bears N. 5° E. and S. 50° W.
40.00	The 1/4 sec. cor. of secs. 5 and 6, monumented with an iron post, l in. diam., projecting 24 ins. above the ground in a scattered mound of stone, with brass cap mkd
	1/4 S6 S5
	1913
	Rebuild mound of stone around the cor. 3 1/2 ft. base to top.
	Remark the brass cap to read
	T 5 S R 29 E
	1/4 S6 S5
	1977 1913
	N. 0°06' W., beginning new measurement.
40.25	The cor. of secs. 5 and 6 only, on the N. bdy. of the Tp., heretofore described.
	Subdivision of Sec. 6, T. 5 S., R. 29 E., Gila & Salt River Meridian, Arizona
	From the point for the 1/4 sec. cor. of secs. 6 and 7.
	N. 0°12' W., along the N. and S. center line of sec. 6.
	Across canyon bottom through dense mesquite, cottonwood, willows, catclaw and weeds.
9.10	Track road, bears S. 25° E. and N. 25° W.
10.60	Eagle Creek, 20 1ks. wide, course S. 25° E., begin ascendover steep canyon wall.
20.02	Point for the C-S 1/16 sec. cor. of sec. 6, falls on steep canyon wall, impractical to monument.
24.30	N. rim of Eagle Creek Canyon, bears E. and W.
24.62	Point selected for the witness C-S 1/16 sec. cor. of sec. 6.
	Set an iron post, 28 ins. long, 2 $1/2$ ins. diam., 6 ins. in the ground, in a mound of stone, 3 $1/2$ ft. base to top, with brass cap mkd.
	W C T 5 S R 29 E
	C S 1/16↓ S 6 C
	1977

Subdivision of Sec. 6, T. 5 S., R. 29 E., Gila & Salt River Meridian, Arizona

CHAINS 27.00	Top of ascent, thence over rolling mountainous land, through medium undergrowth.			
40.04	Point for the C 1/4 sec. cor. at intersection with the E. and W. center line of sec. 6.			
	Set an iron post, 28 ins. long, 2 1/2 ins. diam., 10 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd.			
	T 5 S R 29 E			
	C 1/4 S 6			
	1977			
	Cor. is located on a ridge, bears N. and S.			
80.17	The 1/4 sec. cor. of sec. 6 only, on the N bdy. of the Tp., heretofore described.			
	From the 1/4 sec. cor. of secs. 5 and 6.			
	S. 89°54' W., along the E. and W. center line of sec. 6.			
	Over rolling mountainous land, through medium undergrowth.			
22.20	Bottom of canyon drains S. 10° E.			
40.11	The C 1/4 sec. cor. of sec. 6.			
52.20	Bottom of canyon drains southerly.			
60.155	Point for the C-W 1/16 sec. cor. of sec. 6.			
	Set an iron post, 28 ins. long, 2 1/2 ins. diam., 8 ins. in the ground in a mound of stone, 5 ft. base to top, with brass cap mkd.			
	T 5 S R 29 E			
	W 1/16			
	CC S6 1977			
	Cor. is located on a moderate E. slope.			
63.00	Ridge, bears N. and S., thence over rugged mountainous			
	land.			
72.10	Bottom of canyon, drains southerly, as scaled from U.S. Geological Quadrangle Map, "Clifton, Arizona", prepared in 1962.			
80.20	True point for the 1/4 sec. cor. of secs. 1 and 6 on the W. bdy. of the Tp.			
	SW 1/4, Section 6			
	From the true point for the W $1/16$ sec. cor. of secs. 6 and 7.			

Subdivision of Sec. 6, T. 5 S., R. 29 E., Gila & Salt River Meridian, Arizona

CHAINS	
	N. 0°10' W., along the N. and S. center line of the SW 1/4, sec. 6.
5.50	Bottom of Trujillo Canyon, drains NE, as scaled from U.S Geological Quadrangle Map, "Clifton, Arizona", prepared in 1962.
12.50	Spur, slopes E.
18.40	Eagle Creek, 20 lks. wide, course S. 65° E., enter dense undergrowth and mesquite.
20.02	Point for the SW $1/16$ sec. cor. at intersection with the E. and W. center line of the SW $1/4$, sec. 6.
	Set an iron post, 28 ins. long, 2 1/2 ins. diam, 21 ins. in the ground, with brass cap mkd.
	T 5 S R 29 E
	SW 1/16 S 6
	1977
	Set a steel fence post alongside the cor.
	From this point the entrance to Bat Cave, 23 ft. wide, approx. 70 ft. high, bears N. 5°44' W., 6.105 chs. dist. cave extends approx. 3 chs. N. 45° E. from entrance.
20.55	Track road, bears S. 30° E. and W. curving NW.
23.00	Leave canyon, ascend over rugged canyon wall.
36.50	N. rim of Eagle Creek Canyon.
40.05	The C-W 1/16 sec. cor. of sec. 6.
	From the true point for the C-S 1/16 sec. cor. of sec. 6
	S. $89^{\circ}52'$ W., along the E. and W. center line of the SW $1/4$, sec. 6.
	Descend over rugged canyon wall.
14.00	Enter Eagle Creek Canyon bottom, thence through dense timber and undergrowth.
19.30	Track road, bears S. 50° E. and N. 30° W. curving W.
20.06	The SW 1/16 sec. cor. of sec. 6.
30.50	Eagle Creek, 20 1ks. wide, course S. 25° E.
34.50	Ascend over rugged canyon wall.
40.11	Point for the S $1/16$ sec. cor. of secs. 1 and 6 on the

General Description, T. 5 S., R. 29 E., Gila & Salt River Meridian, Arizona **CHAINS** GENERAL DESCRIPTION The land encompassed in this survey is located about 5 miles southwest of Morenci, Arizona. The general elevation ranges from about 3500 to 4400 feet above sea level. The soil is a stony, sandy loam with conglomerate vertical cliffs. Eagle Creek flows in a SE direction through the SW 1/4 of section 6. Access is by way of a track road which crosses the SW 1/4of section 6 in a SE and NW direction. The vegetation consist of willows, cottonwood, sycamore, mesquite and weeds along Eagle Creek. The remainder of section 6 consist of cacti, cedar and scattering pinyon. There is no evidence of mining activity or minerals. Bat Cave, located in the SW 1/4 section 6, is presently under research by the Colorado State University and the University of Arizona. The mean of a considerable number of observations of the magnetic declination is 14°30' E., with a range of 1° in local attraction.

Form 9180-8 (March 1969)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

TIEED NOOISTAKTS				
NAMES	CAPACITY			
John P. Bennett, III	Survey Aid			
John J. Bulinski	Survey Aid			
Duane R. Ferneau	Survey Aid			
Dirk L. Peterson	Survey Aid			
Jerrold E. Knight	Cadastral Surveyor			
William J. Hoffman	Cartographic Technician			
· · · · · · · · · · · · · · · · · · ·				

CERTIFICATE OF SURVEY

(I) (Wex, Paul L. Reeves, Cadastral Surveyor , Hereby Certify upon honor that, in pursuance of special instructions bearing date of the 3rd day of January , 19 77, (I) (We) have dependently resurveyed a portion of the west boundary, retraced a portion of the north boundary, dependently resurveyed a portion of the subdivisional lines and surveyed subdivisions in Section 6, Township 5 South, Range 29 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), (wss) and under (my) (% Fr) 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.

October 20, 1978

(Date)

(Date)

(Cadastral Surveyor)

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT Washington, D.C.

The foregoing field notes of the dependent resurvey of a portion of the west boundary, the retracement of a portion of the north boundary, the dependent resurvey of a portion of the subdivisional lines, and the survey of subdivisions in Section 6, Township 5 South, Range 29 East, of the Gila and Salt River Meridian, Arizona,

executed by Paul L. Reeves, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

FFR 1 g 1070

(Date)

Acting (Chief, Division of Cadastral Survey)

CERTIFICATE OF TRANSCRIPT

I CERTIFY That the foregoing transcript of the field notes of the above-described surveys in T. 5 S., R. 29 E., G&SRM , is a true copy of the original field notes.