

32°15'
111 00

Index

<u>STATION</u>	<u>PROJECT</u>
Cortaro (6000)	Tucson, Nogales
S K 1-2	Davis Monthan
K 2	-----
K 3 1934 Destroyed '67	Davis Monthan
K 4	Davis Monthan, Tucson
S K 5	Tucson
K 6	-----
K 11	Silver Bell, Tucson
K 14-2 INACTIVE FILE	Davis Monthan
K 15	-----
K 16 Destroyed	-----
K 17	-----
K 18 Destroyed	-----
K 19	-----
K 20 DESTROYED '85	-----
S KFIF Radio Tower	Tucson
Lito (C&GS)	Tucson
Rillito (C&GS)	Tucson
Sabino	-----
S Sec Cor 5/12S/13E	Tucson
Sec Cor 6/11S/12E	Tucson
Sec Cor 8/11S/13E	Tucson
S Sec Cor 17-1/4E/12S/13E	Tucson

ARIZONA 71

32°15'
111 00

Index

<u>STATION</u>	<u>PROJECT</u>
S Sec Cor 21/11S/13E	Tucson
Sec Cor 22/12S/11E	Tucson
Sec Cor 30SW/13S/12E	Tucson
Sec Cor CC31/12S/11E	Tucson
Steve (C&GS)	Tucson
Tortollita (CCGS)	Silver Bell, Tucson <i>Nogales</i>
Tortollitas <i>USGS</i>	Davis Monthan, Tucson <i>Nogales</i>
Twin	- - - - -
Wasson (CCGS)	Tucson
Wasson (USGS)	- - - - -
S Water Tank	Davis Monthan
S 1-145 X	Tucson

Davis Monthan Master in Arizona 49 - Book: PH 446

Silver Bell Master in Arizona 72 - Book: PH 596

Tucson Master in Arizona 50 - Book: PH 1264

Nogales Project Master in AZ 8 - Book: PH 1778

Arizona (71)

Pima County

K 5

1927 N.A.D. (Unadj.)

A.G. Kaetz (CWA), 1934
R.B. Olson, 1967

Book: PH 1264

Located about 17 mi. N. of Tucson; 9.5 mi. E. of Marana; about 6 mi. NE. of Rillito; on the SE. 1/4 of sec. 30, T. 11 S., R. 13 E.

To reach from Flowing Wells Plaza in N. part of Tucson, go W. 0.5 mi. from junction of Prince and Flowing Wells to junction of Prince and Romero Rds.; turn right (N.) on Romero Rd. for 1.5 mi. to Ruthrauff Rd.; turn left (W.) for 0.5 mi. to La Cholla Boulevard; turn right (N.) for 10 mi. to junction with Manana Rd.; turn left (W.) for 2 mi. to T-junction; go W. for 0.2 mi. on track rd. to T-rd.; turn right (N.) for 0.2 mi. and station on left.

Station mark: A USGS tablet stamped "K 5 1934 ELEV 2779" set in a concrete post projecting about 0.3 ft.

Signal: Fluorescent cross-target on pole centered over station mark.

Signal data: TFXT 9.6 ft.
BFXT 7.7

Photo No.: Not identified.

The following adjusted values are from 1934 observations:

Latitude: 32°26'26.91" Longitude: 111°03'00.20"

<u>To Station</u>	<u>Azimuth</u>	<u>Back Azimuth</u>	<u>Feet</u>
Wasson	26°02'34.4"	205°59'28.7"	67,860.0
Tortollitas	204 56 59.7	24 58 02.4	23,729.4
Pusch	306 00 11.0	126 03 46.4	42,597.0

The following unadjusted values are from 1967 observations:

<u>ARIZONA CENTRAL ZONE.</u>		<u>ELEV.</u> 2778.480
X =	767355.	Spirit Leveling by
Y =	525163.	S.B. Hough, 1934

+ ° 27' 53.555"

NAD 83 VALUES AVAILABLE

K-5

	<u>LAT.</u> 32° 26' 26.938"	<u>LONG.</u> 111° 3' .188"
Tortollitas	204° 57' 1.064"	24° 58' 3.802" 23726.84
Pusch (USGS)	306° ' 24.215"	126° 3' 59.535" 42597.88
Wasson (C&GS)	26° 2' 28.291"	205° 59' 22.577" 67865.82

FILE COPY

3/8/67 mw *alb*

Arizona (71)

Pima County

RILLITO (C&GS)

1927 N.A.D.

USC&GS, 1935, 1962

R.B. Olson, 1967

Book: PH 1264

Found as described in U. S. Coast and Geodetic Survey Description List 321112, station 1010; except as noted below.

Note by R.B. Olson, 1967:

Station mark: The stem of a C&GS tablet set in bedrock. The tablet has been sheared off flush with rock.

Reference mark No. 1: Destroyed.

Reference mark No. 2: Standard C&GS reference mark tablet stamped "RILLITO NO 2 1935" set in rock, 28.89 ft. from station and 2.1 ft. lower in azimuth 152°03'55".

Signal: White flag over a red cross-target on pole centered over station mark.

Signal data:	TWF	10.8 ft.
	BWF	8.8
	TRXT	7.6
	BRXT	5.2

Note: 1967 observations to reference mark do not agree with C&GS values. Check during field completion.

Photo No.: Not identified.

ARIZONA CENTRAL ZONE.

VA ELEV. 2502.7

X = 737892.

Y = 509952.

+ ° 24' 46.770"

FILE COPY

Rillito (C&GS)	*LAT. 32° 23' 58.664"	LONG. 111° 8' 45.251"
STATION	AZIMUTH	BACK AZIMUTH DISTANCE
Tortollita (C&GS)	186° 41' 52.560"	6° 42' 18.200" 35091.05
Tortollitas	227° 17' 25.719"	47° 21' 33.569" 53840.79
K-4	245° 28' 47.567"	65° 33' 7.922" 45732.36
1-197 A	281° 35' 23.017"	101° 40' 13.799" 47530.17
Cortaro (C&GS)	308° 12' 19.885"	128° 13' 53.227" 19023.35
Wasson (C&GS)	° 12' 27.554"	180° 12' 26.516" 46005.24
1-145 X	42° 30' 22.185"	222° 28' 43.438" 23413.84
Sec Cor 22/12S/11E	53° 24' 21.004"	233° 22' 38.811" 20384.88
Sec Cor 6/12S/11E	96° 27' 57.564"	276° 24' 35.996" 32453.54
Steve (C&GS)	137° 39' 27.953"	317° 37' 21.552" 29984.63
K-7	166° 37' 31.118"	346° 36' 36.546" 37657.08
Lito (C&GS)	167° 21' 50.192"	347° 21' 42.263" 5798.26

4/19/67 mw

AIRPORT ELEVATION

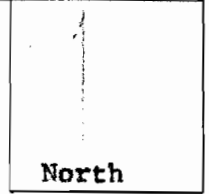
STATE Arizona COUNTY Pima QUADRANGLE Mt. Lemmon NW & Ruelas Canyon
 AIRPORT NAME _____ PRIMARY REFERENCE Sec. 27, T. 11 S., R. 13 E.
 (Direction and distance)
 BM DESIGNATION AND ELEVATION _____ FEET ELEVATION HIGH POINT 2937 T FEET
 (If located) (On runway)
 APPROXIMATE LATITUDE 32 ° 26 ' 48 " ELEVATION DETERMINED BY: LEVELS
 APPROXIMATE LONGITUDE 111 ° 00 ' 06 " CLOSED STADIA TRAVERSE
 IDENTIFICATION ON PHOTO # 30 ROLL # 3 **Photogrammetry**
 (Other)
 BRIEF DESCRIPTION OF HIGH POINT:

Extreme northeast end.

SKETCH OF HIGHEST POINT WITH REFERENCE TO RUNWAYS:

SCALE Not to scale

ORIENTATION:



Highest Point
(Macadam Surface)

(Please prepare in triplicate)

FILE COPY

SUBMITTED BY: R. Mead
 TITLE S. Carto. Tech.
 CHECKED BY: [Signature]
 TITLE Cartographer

DATE 10/27/78
 FIELD BOOK N/A
 PAGE N/A

Airports or landing fields having existing bench marks need not be reported.

Arizona (71)

Pima County

STEVE (C&GS)

1927 N.A.D.

USC&GS, 1960

R. B. Olson, 1967

Book: PH 1264

Described in U. S. Coast and Geodetic Survey Description List 321112, station 1012.

Signal: A white flag over a fluorescent cross-target on pole centered over station mark.

Signal data:	TWF	12.7 ft.
	BWF	10.7
	TFXT	9.7
	BFXT	7.7

ARIZONA CENTRAL ZONE.

ELEV. 1987.785

X = 717537.
 Y = 531968.

Second Order Leveling by
C&GS 321112 Line 116

IDENT. PANEL

+ ° 22' 42.751"

Steve (C&GS)

	*LAT. 32° 27' 37.906"	LONG. 111° 12' 40.958"
STATION	AZIMUTH	BACK AZIMUTH DISTANCE
Tortollita (C&GS)	242° 22' 55.105"	62° 25' 27.335" 27403.88
Rillito (C&GS)	317° 37' 21.544"	137° 39' 27.947" 29984.64
Wasson (C&GS)	343° 35' 26.120"	163° 37' 31.264" 71049.35
1-145 X	353° 37' 49.786"	173° 38' 17.277" 39665.64

FILE COPY

3/8/67 dvj

DESCRIPTION
HORIZONTAL CONTROL STATION

32 111 21
DIAGRAM Tucson
USGS QUAD NO. 71

1st Order
Triangulation Electronic - Distance Traverse Intersected Object
Station WASSON County Pima State AZ
Established by NGS Year 1920 Project _____

Check one:
 New Station: Write full description below
 Recovery of Old Station: Recovered by USGS Year 1967 Project PH 1264

Object	Bearing	Distance		AZIMUTH
		Feet	Meters	

Described in National Geodetic Survey Description List 32 111 2, station 1004. All marks in good condition except that RM 1 has been destroyed. WASSON USGS was not searched for since it was buried underground. RM 2 was checked.

NGS Adjusted Coordinates

ARIZONA CENTRAL ZONE	ELEV	4688.3 FT
X= 738055.75		<u>10.65</u>
Y= 463948.95		
MAPPING ANGLE=+0 24.41	QUAD	32 111 21

WASSON LAT 32 16 23.4310 LONG 111 8 47.1930

FILE COPY

OCT 1 1975

DESCRIPTION
HORIZONTAL CONTROL STATION

32 111 21
DIAGRAM Tucson
USGS QUAD NO. 71

1st Order
 Triangulation Electronic - Distance Traverse Intersected Object
 Station WASSON USGS County Pima State AZ
 Established by USGS Year 1903 Project 3096-3108

Check one:
 New Station: Write full description below NGS 1920
 USGS 1934
 Recovery of Old Station: Recovered by _____ Year _____ Project D 3238-52

Object	Bearing	Distance		AZIMUTH
		Feet	Meters	

For located and to reach refer to description of WASSON. All observations have been reduced to the NGS station.

Station mark: Bronze tablet buried about 1 ft underground, over which is centered a 6 x 6-inch redwood mineral monument post, around which is a large rock monument.

USGS 1934: Recovered as described by USGS in 1903.

NGS-Adjusted Coordinates

ARIZONA CENTRAL ZONE _____ ELEV _____
 X= 738055.55
 Y= 453952.38
 MAPPING ANGLE=+0 24 41 _____ QUAD 32 111 21
WASSON USGS _____ LAT 32 16 23.4650 _____ LONG 111 8 47.1950

FILE COPY

OCT 1 1975

DESCRIPTION
HORIZONTAL CONTROL STATION

32 111 21
DIAGRAM Tucson
USGS QUAD NO. 71

2nd Order
Triangulation Electronic - Distance Traverse Intersected Object
Station CORTARO County Pima State AZ
Established by NGS Year 1960 Project _____

Check one:

New Station: Write full description below
 Recovery of Old Station: Recovered by USGS Year 1967 Project PH 1264

Object	Bearing	Distance		AZIMUTH
		Feet	Meters	
WASSON				23°50'43.3"

Described in National Geodetic Survey Description List 32 111 2, station 1009. New freeway has changed direction of traffic and new description follows:

Located about 1 mi NW. of Cortaro, 4.5 mi SE. of Rillito; between northwest bound traffic lane and northeast access rd.

To reach from post office in Cortaro, go NW. on I-Hwy. 10 for 1.1 mi to station on right.

NGS Adjusted Coordinates.

ARIZONA CENTRAL ZONE
X= 752923.86
Y= 498295.01
MAPPING ANGLE=+0 26 19

ELEV 2136.695 FT

QUAD 32 111 21

CORTARO

LAT 32 22 2.2067

LONG 111 5 50.9701

FILE COPY

Arizona (71)

Pima County

LITO (C&GS)

1927 N.A.D.

USC&GS, 1960

R.B. Olson, 1967

Book: PH 1264

Described in U.S. Coast and Geodetic Survey Description list 321112 station 1011.

Note by R.B. Olson, 1967: Due to new freeway, station is now located between N. bound freeway lane and E. access rd. RM # 1 and BM K 291 are E. of E. access rd.

Signal: A white flag over a fluorescent cross-target on pole centered over station mark.

Signal data:	TWF	10.7 ft.
	BWF	8.9
	TFXT	7.8
	BFXT	5.8

Photo No.: Not identified.

Elevation: 2055.741 ft.
(Second order leveling by USC&GS - 321112)

ARIZONA CENTRAL ZONE.

X = 736583.
Y = 515601.

+ ° 24' 39.474"

Lito (C&GS)

*LAT. 32° 24' 54.649"

LONG. 111° 9' .047"

AZIMUTH	DISTANCE		
Tortollita (C&GS)	190° 24' 13.950"	10° 24' 47.533"	29681.92
Rillito (C&GS)	347° 21' 42.225"	167° 21' 50.156"	5798.26
Wasson (C&GS)	358° 46' 34.271"	178° 46' 41.150"	51674.50
1-145 X	32° 24' 37.056"	212° 23' 6.213"	27147.96

FILE COPY

3/17/67 rme *alb*

DESCRIPTION
HORIZONTAL CONTROL STATION

32 111 21
DIAGRAM Tucson
USGS QUAD NO. 71

1st Order
Triangulation Electronic - Distance Traverse Intersected Object
Station TORTOLLITA County Pima State AZ
Established by NGS Year 1935 Project

Check one:
 New Station: Write full description below USGS 1958 PH 596
 Recovery of Old Station: Recovered by USGS Year 1967 Project PH 1264

Object	Bearing	Distance		AZIMUTH
		Feet	Meters	
WASSON				3°01'21.7"
RM 1		30.84		266 06
RM 2		34.64		134 30

Described in National Geodetic Survey Description List 32 111 2, station 1013. All marks in good condition,

NGS Adjusted Coordinates

ARIZONA CENTRAL ZONE ELEV 3258.9 FT
X= 741732.50
Y= 544831.27
MAPPING ANGLE=+0 25 16 QUAD 32 111 21

TORTILLITA LAT 32 29 43.5220 LONG 111 7 57.4660

FILE COPY

Arizona (71)

Pima County

K 1-2

32 15
111 00

1927 N.A.D. (Unadj.)

W.T. Borgeson, 1958

Books: PH 445-446

Note: Station "K-1" not recovered, due to new construction. "K-1-2" was established.

Located about 0.1 mi. W of Shamrock Dairy, 27 ft. W. of 3rd. telephone cable pole; E. of rd. bend (which is 0.2 mi. W. of dairy) and 0.1 mi. W. of old station "K-1"

Station mark: Hub projecting 1 ft. above ground.

Signal: Flag centered over "Hub"

Image point No. 1: Fence T-Centerline rd. 312 ft. from station mark in azimuth 86°57'01."

Image point No. 2: Fence T-Centerline rd. 381 ft. from station mark in azimuth 276°05'35."

Note: Image points No. 1 and 2 are prolongations of N-S. fence lines intersecting centerlines of E-W. rd.

ARIZONA ZONE CENTRAL

X=781,351.

Y=471,845.

Latitude: 32°17'38.21"

Longitude: 111°00'22.18"

<u>To Station</u>	<u>Azimuth</u>	<u>Back Azimuth</u>	<u>Feet</u>
Pusch (C&GS)	216°22'47."	36°24'57."	35,249.
Warner (C&GS)	351 36 31.	171 36 59.	30,800.

NAD 83 VALUES AVAILABLE

2/11/58 lg

FILE COPY

Station: **K 2**

County: **Pima**

State: **ARIZONA 71**

Observer: **A. G. Kaetz (CWA)**

Year: **1934** Datum: **1927 N.A.D.**

Description:

5/27/40 cbm
Bks. D3238-52

Not Found '67

At SE. corner of junction of Magee Rd. and Cholla Blvd.,
1 mi. N. of Ina Rd., 2 mi. W. of Highway 80, 3.5 mi. N. 20°
E. of Jaynes Sta., T. 12 S., R. 13 E., approx. cor. sec. 27,
28, 33 and 34.

Station mark: Standard bronze tablet set in concrete,
stamped "K 2 1934 ELEV 2421 FT."

[Latitude 32 21 05.92 Longitude 111 00 43.33]

To Station—	Azimuth			Back Azimuth			Distance	
	°	'	"	°	'	"	Log. Meters	Miles
Wasson	55	31	56.7	235	27	38.1	4.186372	9.544
Tortollitas	178	10	55.1	358	10	44.4	4.216244	10.224
Pusch	251	59	09.8	72	01	31.6	3.862283	4.525

NAD 83 VALUES AVAILABLE

FILE COPY.

FILE COPY

(2)

Destroyed '67

Arizona (71)

Pima County

K 3 1934

1927 N.A.D. (Adj., 1957 Secondary)

A. G. Kaetz (CWA), 1934

M. A. Braathen, 1956

Books: D 3238-52; PH 445-446

FILE COPY

Located about 6 mi. W. 75° E. of Sabino, 4 mi. N. of Magee Road on E. side of Cholla Blvd. and 0.4 mi. S. of Cor. Secs. 3,4,9 and 10, T. 12 S., R. 13 E..

Station mark: Standard bronze tablet stamped "K 3 1934 ELEV 2669 FT", set in cement.

Recovered by M.A.B., 1956: No recovery note made.

DESTROYED

ARIZONA ZONE CENTRAL

X=779,128.

Y=512,208.

Latitude: 32°24'17.79"

Longitude: 111°00'44.09"

NAD 83 VALUES AVAILABLE

FILE COPY

10/9/57 ew *[initials]*

[handwritten mark]

Arizona (71)

Pima County

K 4

1927 N.A.D. (Adj.)

A.G. Kaetz (CWA), 1934

M.A. Braathen, 1956

Books: D 3238-52, PH 446, PH 1264

R.B. Olson, 1967

Located about 8 mi. NE. of Sabino; 1 mi. N. of junction of Cholla Blvd. and Camino De Manana on W. side of trail.

To reach from the intersection of Flowing Wells and Prince Rds. at Flowing Wells Plaza in N. Tucson, go W. 0.5 mi. on Prince Rd.; turn right (N.) on Romero Rd. and go 1.5 mi.; go left W. on Ruthrauff Rd. for 0.5 mi.; turn right (N.) on La Cholla Boulevard and go 9.9 mi. to end of La Cholla Rd. at intersection with E.-W. rd.; go N. through wire gate on track rd. for 0.5 mi. to Y-rd.; take left fork for 0.45 mi. to station on left .

Station mark: A USGS tablet stamped "K 4 1934 2941" set in concrete and projecting about 0.4 ft.

Signal: A white flag over a fluorescent cross-target on pole centered over station mark.

Signal data:	TWF	11.1	ft.
	BWF	8.1	
	TFXT	7.7	
	BFXT	4.3	

Photo No.: Not identified.

Elevation: 2940.233 ft.
(Spirit leveling by M.M. Stover, 1934
Book B 8118)

ARIZONA CENTRAL ZONE.

= 779361.
= 529231.

° 29' 9.440"

	LAT. 32° 27' 6.210"			LONG. 111° 1' 39.701"		
	STATION	AZIMUTH		BACK AZIMUTH		DISTANCE
USGS)		32° 48' 24.769"	212° 44'	3.828"		77253.52
		57° 49' 5.112"	237° 43'	6.110"		67906.84
USGS)		65° 33' 7.911"	245° 28'	47.557"		45732.36
s		173° 25' 11.521"	353° 24'	58.836"		17658.59
3)		322° 19' 30.247"	142° 21'	50.299"		36667.02

NAD 83 VALUES AVAILABLE COPY

2/24/67 slh

Done

Station: **K 6**

County: **Pima**

State: **ARIZONA** ^{7F} **71**
32
111 00

Observer: **A. G. Kaetz (CWA)**

Year: **1934**

Datum: **1927 N.A.D.**

Description:

5/27/40 cbm
Bks. D3238-52

About 6 mi. NE. from Rillito Sta. along trail into the Tortollitas, on a small ridge, about 210 ft. S. of trail, about 2 yd. from quarter cor. between secs. 22 and 23, T. 11 S., R. 12 E.

Station mark: Standard bronze tablet set in drill hole in a rock, stamped "K 6 1934 ELEV 2639 FT."

Paneled in 1967 - Not occupied. New description follows:

The quarter corner referred to in the original description could not be found.

Located about 7 mi. E. of Marana; 7 mi. N. of Cortaro; 4.5 mi. NE. of Rillito; on a low ridge about 300 ft. E. of a large sand wash.

To reach from Rillito Post Office, go N. on U. S. Interstate 10 for 0.6 mi. to Tangerine Rd.; turn right (E.) and go 1.05 mi. to a dirt rd. left (N.); go for 0.35 mi. on dirt rd. to a gate; continue (N.) on dirt rd. for 0.65 mi. to Y-rd.; turn left and go 0.5 mi. to double wooden pole powerline; cross powerline and go 0.25 mi. to Y-rd.; keep right on main-traveled rd. for 1.6 mi. to corral on left (W.); continue straight ahead for 1.8 mi. to larger corral; pass thru or around this corral and go 0.3 mi. to a large sand wash; turn right and head S. by SW. down this wash for 1.2 mi. and station on left. (4-wheel drive required in sand wash.) The station is 250-300 ft. E. of sand wash.

Station mark: A CWA (USGS) tablet stamped "K 6, 1934 ELEV 2639 FT" and set in a concrete post.

[Latitude **32 27 36.36**

Longitude **111 05 47.57**]

To Station—	Azimuth			Back Azimuth			Distance	
	°	'	"	°	'	"	Log. Meters	Miles
Wasson	12	46	45.2	192	45	09.0	4.327408	13.206
Pusch	303	16	45.0	123	21	50.1	4.250363	11.059

NAD 83 VALUES AVAILABLE

FILE COPY.

15
✓(2)

DESCRIPTION
HORIZONTAL CONTROL STATION

32 111 21
DIAGRAM Tucson
USGS QUAD NO. 71

3rd Order

Triangulation

Electronic - Distance Traverse

Intersected Object

Station K 11 USGS Country Pima State AZ
Established by USGS Year 1934 Project D 3238-52

Check one:

New Station: Write full description below

Recovery of Old Station: Recovered by USGS Year 1967 Project PH 596
PH 1264

Object	Bearing	Distance		AZIMUTH
		Feet	Meters	
WASSON				305°13'22.7"

USGS 1958: New description follows:

Located about 8.5 mi S. and 2 mi W. of Marana; 3.5 mi WSW. of Twin Peaks, near fence corner and about 30 ft NE. of section corner.

To reach from Rillito RR. Depot, go S. on I-Hwy. 10 for 1.5 mi to Avra Valley Rd.; turn right (W.) and go for 5 mi to jct. with Sandario Rd.; turn left (S.) and go 5.1 mi to jct. with Picture Rocks Rd.; turn right (W.) and go 1.9 mi to track rd. at power line; turn right (N.) and go 0.5 mi to fence corner. Station is about 50 ft E. of fence corner.

Station mark: Standard tablet stamped "K 11 1934 2088", set in concrete.

USGS 1967: Recovered as described by USGS in 1958.

USGS Unadjusted 1967 Coordinates

ARIZONA CENTRAL ZONE	ELEV	2087.686 FT
X= 705919.1		
Y= 486339.9		
MAPPING ANGLE=+0 21 24	QUAD	32 111 21
K11 USGS	LAT	32 20 7.133
	LONG	111 14 59.867

NAD 83 VALUES AVAILABLE

FILE COPY

OCT 1 1975

Station: **K 15**

County: **Pima**

State: **ARIZONA 71**

Observer: **A. G. Kaetz (CWA)**

Year: **1934** Datum: **1927 N.A.D.**

32 15
111 00

Description:

5/28/40 cbm
Bks. D3238-52

Not Found '67

On **Silver Bell Rd.**, 4 mi. NW. of **Collie's Ranch**, 0.3 mi. S. of **Sunset Dairy rd.**, 21 ft. W. of center of rd., 63 ft. E. of gate of **Miller's Ranch**.

Station mark: **Standard bronze tablet set in cement, stamped "K 15 1934 ELEV 2221 FT."**



[Latitude **32 18 15.45** Longitude **111 03 00.38**]

To Station—	Azimuth			Back Azimuth			Distance	
	°	'	"	°	'	"	Log. Meters	Miles
Tortollitas	188	01	00.4	8	02	03.1	4.340649	13.614
Pusch	234	27	39.3	54	31	14.3	4.111057	8.024

NAD 83 VALUES AVAILABLE

FILE COPY.

22 ✓

Station: K 16

Destroyed '67

County: Pima

State: ARIZONA 71

Observer: A. G. Kaetz (CWA)

Year: 1934 Datum: 1927 N.A.D.

32 10

Description:

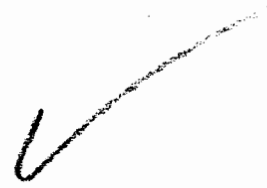
111 00

5/28/40 cbm
Bks. D3238-52

DESTROYED

On Silver Bell rd., 4 mi. NW. of Miller's Ranch, 0.5 mi.
N. of Picture Rocks rd., 2 mi. S. of Cortaro Farms rd., 45 ft.
E. of center of rd.

Station mark: Standard bronze tablet set in cement,
stamped "K 16 1934 ELEV 2167 FT."

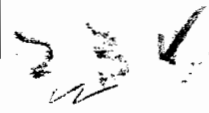


[Latitude 32 20 35.17 Longitude 111 05 28.35]

To Station—	Azimuth			Back Azimuth			Distance	
	°	'	"	°	'	"	Log. Meters	Miles
Wasson	33	52	27.9	213	50	41.6	3.970189	5.802
Pusch	257	25	25.9	77	30	20.3	4.168198	9.153

NAD 83 VALUES AVAILABLE

FILE COPY.



DESCRIPTION HORIZONTAL CONTROL STATION

Triangulation Electronic - Distance Traverse Intersected Object
 Station K 17 County Pima State Ariz (71)
 Established by CWA Year 1934 Project D 3238-52

Check one:

- New Station: Write full description below
 Recovery of Old Station: Recovered by _____ Year _____ Project _____

Object	Bearing	Distance		Directions
		Feet	Meters	

Located about 3.5 mi NW. of Cortaro, 2.5 mi S. of Rillito and 1.5 mi SW. of Interstate 10, near the center of sec. 20 T12S R12E and about 100 ft N. of the center of the Y-junction.

To reach from the Cortaro Post Office, drive 0.9 mi SW. along the Cortaro Rd. to a jct. with Silver Bell Rd.; turn right and go 3.3 mi to Y-junction and station.

Station mark: A standard USGS tablet stamped "K 17 1934 2128" in concrete post. (Set by CWA)

ARIZONA ZONE CENTRAL
 X=739,987.94
 Y=500,863.75

Latitude 32°22'28.580" Longitude 111°08'21.570"

NAD 83 VALUES AVAILABLE

FILE COPY



Station: **K 18**

County: **Pima**

State: **ARIZONA 71**

Observer: **A. G. Kaetz (CWA)**

Year: **1934**

Datum: **1927 N.A.D.**

32 11

Description:

**5/28/40 cbm
Bks, D3238-52**

DESTROYED

111 00

About 3.5 mi. W. of Rattlesnake Pass, 29 ft. N. of center of rd., approx. cor. secs. 14, 15, 22, and 23, T. 12 S., R. 11 E.

Station mark: Standard bronze tablet set in cement, stamped "K 18 1934 ELEV 2066 FT."



DESTROYED

[Latitude **32 22 50.91** Longitude **111 11 58.14**]

To Station—	Azimuth			Back Azimuth			Distance	
	°	'	"	°	'	"	Log. Meters	Miles
Cut	93	28	50.8	273	24	45.5	4.078876	7.451
Wasson	337	16	40.1	157	18	22.2	4.111842	8.039

NAD 83 VALUES AVAILABLE

DESTROYED

FILE COPY.

25

DESCRIPTION

HORIZONTAL CONTROL STATION

Triangulation Electronic - Distance Traverse Intersected Object

Station K_19 County Pima State Ariz (71)
Established by CWA Year 1934 Project D 3238-52

Check one:

New Station: Write full description below
 Recovery of Old Station: Recovered by _____ Year _____ Project _____

Object	Bearing	Distance		Directions
		Feet	Meters	

Located about 8.5 mi S. of Marana; 8 mi W. of Cortaro, 7 mi SW. of Rillito, 0.5 mi N. of a grocery store on San Dario Rd. and 30 ft N. of a dirt rd. leading west.

To reach from the RR. depot at Rillito, drive S. on U.S. Interstate 10 for 1.5 mi to Avra Rd.; turn right (W.) for 5.0 mi to jct. with San Dario Rd.; turn left (S.) for 4.8 mi to station on right.

Station mark: A standard USGS tablet stamped "K 19 1934 2186 FEET" set in concrete. (Set by CWA)

Note: The road grader has exposed one side of the concrete post and the station is in danger of caving into a ditch.

ARIZONA ZONE CENTRAL
X=716,414.24
Y=486,415.65

Latitude 32°20'07.220" Longitude 111°12'57.540"

NAD 83 VALUES AVAILABLE

FILE COPY

DESCRIPTION HORIZONTAL CONTROL STATION

Triangulation Electronic - Distance Traverse Intersected Object
 Station K 20 County Pima State Ariz (71)
 Established by CWA Year 1934 Project D 3238-52

Check one:

- New Station: Write full description below
 Recovery of Old Station: Recovered by _____ Year _____ Project _____

Object	Bearing	Distance		Directions
		Feet	Meters	

Located about 5.5 mi SE. of Rillito, 1.5 mi NE. of Cortaro, in the southeast quarter of sec. 24 T12S R12E, 435 ft NE. of ruins of a two-story stone house, and 25 ft SE. of a dirt rd.

To reach from Cortaro, go NW. on Cortaro Rd. to freeway underpass; continue E. on Cortaro Rd. for 1.05 mi to a T-rd.; turn left (N.) on track rd, for 0.2 mi to a Y-rd.; take right fork for 0.7 mi to station on the right.

Station mark: A standard USGS tablet stamped "K 20 1934 ELEV 2313 FT" set in concrete post. (Set by CWA)

ARIZONA ZONE CENTRAL
X=762,251.72
Y=499,695.98

REPORTED DESTROYED 9/85

Latitude 32°22'15.350" Longitude 111°04'02.090"

NAD 83 VALUES AVAILABLE

FILE COPY

Arizona (71)

Pima County

KFIF RADIO TOWER

1927 N.A.D.

R.B. Olson, 1967

Book: PH 1264

Located about 4.5 mi. SE. of Rillito; 1 mi. N. of Cortaro;
0.5 mi. NE. of freeway (U.S. Interstate #10); in S. half of sec.
23, T. 12 S., R. 13 E.

To reach from Cortaro, pass under freeway (NE.) at freeway -
Cortaro Rd. Overpass, go 0.1 mi. E. of freeway; turn left (N.) and
go about 1 mi. to tower.

Station mark: A radio antennae tower.

Photo No.: Paneled.

ARIZONA ZONE CENTRAL

X=752,752

Y=500,233

$\Delta \alpha = +0^{\circ}26'18''$

Latitude $32^{\circ}22'21.396''$

Longitude $111^{\circ}05'52.801''$

NAD 83 VALUES AVAILABLE

FILE COPY

6/23/67 slh *slh*

Station: SABINO

County: Pima

State: ARIZONA 71

Observer: A. G. Kaetz (CWA)

Year: 1934

Datum: 1927 N.A.D.

32 10

Description: 6/3/40 cbm
Bks.D3238-52

111 00

On a low caliche ridge 0.75 mi. NE. of Sabino sta. on S.P. RR.,
15 mi. NW. of Tucson, 0.25 mi. N. 66° E. of small cemetery.

Station mark: Standard bronze tablet set in concrete cone pro-
jecting 3 in. above ground.



P.T. Elevation: 2199.6 ft. (1967)

NAD 83 VALUES AVAILABLE

[Latitude 32 23 20.39 Longitude 111 06 09.06]

To Station—	Azimuth			Back Azimuth			Distance	
							Log. Meters	Miles
Wasson	17	51	44.5	197	50	19.9	4.130068	8.383
K 17	65	16	18.0	245	15	07.0	3.581333	2.370
Marana	112	59	49.3	292	55	02.5	4.181243	9.432
Tortollitas	212	57	59.3	33	00	43.4	4.166359	9.114
Pusch	276	56	34.4	97	01	50.8	4.191869	9.665

FILE COPY.

Arizona (71)

Pima County

SEC COR 5/12S/13E

1927 N.A.D. (Unadj.)

R.B. Olson, 1967

Book: PH 1264

Located about 5 mi. (airline) NE. of Cortaro; 7 mi. E. of Rillito; 90 ft. NW. of a right angle turn in rd.

To reach from freeway overpass at Cortaro, go E. on Cortaro Rd. for 2.5 mi. to rd. crossing; turn left (N.) and go 2.5 mi. to T-rd.; turn right and go 1 mi. to right angle turn in rd., then left (N.) and go 1 mi. to another right angle turn in rd. Station on left.

Station mark: A GLO cap stamped "S5 S4 S8 S9 T12S R13E 1913" set on a 2 - in. iron pipe projecting 0.4 ft.

Signal: None.

Photo No.: Not identified.

Note: This station was computed from unchecked triangles. Station should not be symbolized with triangle symbol.

ARIZONA CENTRAL ZONE.

VA ELEV.

X = 773886.

Y = 513932.

+ ° 28' 32.392"

~~Sec Cor 5/12S/13E~~

	LAT.	32° 24' 35.285"	LONG.	111° 1' 45.067"
ION	AZIMUTH	BACK AZIMUTH	DISTANCE	
Wasson (C&GS)		36° 6' 34.043"	216° 2' 48.222"	61500.73
Tortollitas		186° 13' 16.002"	6° 13' 38.402"	32989.03
Pusch (USGS)		296° 9' 56.374"	116° 12' 51.360"	31215.37

NAD 83 VALUES AVAILABLE

FILE COPY

3/17/67 slh. *slh*

Arizona (71)

Pima County

SEC COR 6/11S/12E

1927 N.A.D. (Unadj.)

R.B. Olson, 1967

Book: PH 1264

Located about 4.5 mi. NE. of Marana.

Station mark: A GLO brass cap on an iron pipe stamped "S5 S6 S7 S8 T11S R12E 1919", projecting about 1 ft. above ground.

Signal: A white parachute on a 2 x 2 pole located 12.73 ft. Ecc. (same position as instrument)

Signal data: Top white parachute 6.3 ft.

Note: This station was computed from checked triangles. Station should be symbolized with triangle symbol.

Photo No.: Not identified.

ARIZONA CENTRAL ZONE.

VA ELEV. 2379.1

X = 736865.

Y = 545316.

+ ° 24' 45.905"

Sec Cor 6/11S/12E

	LAT.	32° 29' 48.666"	LONG.	111° 8' 54.255"	
Tortollita (C&GS)	276° 5' 47.517"	96° 6' 18.028"	4891.75		
Wasson (C&GS)	359° 34' 22.971"	179° 34' 26.755"	81378.37		
1-145 X	15° 57' 18.781"	195° 55' 44.731"	54741.12		

NAD 83 VALUES AVAILABLE

FILE COPY

4/19/67 slh *slh*

Arizona (71)

Pima County

SEC COR 8/11S/13E

1927 N.A.D. (Unadj.)

R. B. Olson, 1967

Book: PH 1264

Located about 8.5 mi. NE. of Rillito; 2.25 mi. NE. of ranch buildings of Mr. Cayton.

To reach from Flowing Wells Plaza - intersection of Prince and Flowing Wells Rds. in N. side of Tucson, go W. 0.5 mi. to Romero Rd.; turn right (N.) for 1.5 mi. to Ruthrauff Rd.; turn left (W.) for 0.5 mi. to La Cholla Rd.; turn right (N.) and go 10 mi. to Manana Rd.; turn left (W.) for 2 mi. to rd. crossing; continue W. on track rd. for 0.2 mi. to Y-rd.; turn right (N.) and go 0.6 mi. to Y-rd.; turn right NE. and go about 2.5 mi. N. and NE. over a very rough and windy rd. to end of truck travel. Pack about 1000 ft. N. to station at foot of a ridge.

Station mark: A GLO cap on a 2-inch iron pipe stamped "T11S R13E S8 S9 S17 S16 1921" projecting about 1 ft.

Signal: A fluorescent cross-target on pole centered over station mark.

Signal data: TFXT 6.2 ft.
BFXT 4.6

Photo No.: Not identified

Note: This station was computed from checked triangles. Station should be symbolized with triangle symbol.

ARIZONA CENTRAL ZONE.

VA ELEV. 3640.6

X = 773774.
Y = 540116.

+ ° 28' 36.441"

NAD 83 VALUES AVAILABLE

Sec Cor 8/11S/13E

	LAT.	32° 28' 54.382"	LONG.	111° 1' 43.835"
	STATION	AZIMUTH	BACK AZIMUTH	DISTANCE
1-197 A		345° 12' 46.584"	165° 13' 51.717"	40817.12
Wasson (C&GS)		25° 35' 58.183"	205° 32' 11.478"	84128.51
Pusch (USGS)		325° 3' 34.990"	145° 6' 29.489"	48733.62

FILE COPY

3/8/67 dv *David*

V

Arizona (71)

Pima County

SEC COR 17½E/12S/13E

1927 N.A.D. (Unadj.)

R.B. Olson, 1967

Book: PH 1264

Located 7 mi. (airline) ESE. of Rillito; about 4.5 mi. NE. of Cortaro, 20 ft. NE. of T-junction of Class #6 rds.

To reach from freeway overpass at Cortaro, go E. 2.5 mi. on Cortaro Rd. to rd. crossing; turn left (N.) and go 1.6 mi. to T-rd.; turn right (E.) for 1 mi. to a T-rd.; turn left (N.) and go 0.4 mi. on Class #6 rd. to T-junction and station.

Station mark: A GLO iron pipe and cap stamped "S16 S17 1913", (No Twsp. or range numbers) set on a 1-in. pipe projecting 1.4 ft. above ground.

Natural panel: PP 1-11 B = A T-rd., 20 ft. (taped) from station in azimuth 66°54'54".

Signal: None.

Photo No.: Not identified.

Note: This station was computed from unchecked triangles. Station should not be symbolized with triangle symbol.

ARIZONA CENTRAL ZONE.

VA ELEV.

X = 773946.
Y = 506004.

+ ° 28' 31.328"

Sec Cor E¼ 17/12S/13E

	LAT.	32° 23' 16.832"	LONG.	111° 1' 45.138"	
STATION	AZIMUTH		BACK AZIMUTH	DISTANCE	
Wasson (C&GS)	40° 57'	7.643"	220° 53'	21.927"	55289.28
Tortollitas	185° 1'	30.953"	5° 1'	53.384"	40880.25
Pusch (USGS)	281° 45'	55.941"	101° 48'	50.914"	28623.92
Cat Mtn. (AGS)	7° 20'	21.815"	187° 19'	22.419"	74813.07

NAD 83 VALUES AVAILABLE

FILE COPY

3/17/67 slh

✓

Arizona (71)

Pima County

SEC COR 21/11S/13E

1927 N.A.D. (Unadj.)

R.B. Olson, 1967

Book: PH 1264

Located about 8 mi. NE. of Sabino; 1 mi. N. of junction of Cholla Boulevard and Camino De Manana on W. side of trail.

To reach from the intersection of Flowing Wells and Prince Rds. at Flowing Wells Plaza in N. Tucson; go W. 0.5 mi. on Prince Rd.; turn right (N.) on Romero Rd. and go 1.5 mi.; go left W. on Ruthrauff Rd. for 0.5 mi.; turn right (N.) on La Cholla Boulevard and go 9.9 mi. to end of La Cholla Rd. at intersection with E.-W. rd.; go N. through wire gate on track rd. for 0.5 mi. to Y-rd.; take left fork for 0.45 mi. to station on left.

Station mark: A GLO cap on an iron pipe stamped "S21 S22 S27 S28 T11S R13E 1921", projecting about 1.5 ft.

Signal and Signal data: None.

Photo No.: Not identified.

Note: This station computed from a single azimuth and distance. Do not symbolize with triangle symbol.

ARIZONA ZONE CENTRAL

X=779,129

Y=529,612

$\Delta \alpha = +0^{\circ}29'08''$

Latitude $32^{\circ}27'09.997''$ Longitude $111^{\circ}00'42.501''$

<u>To Station</u>	<u>Azimuth</u>	<u>Back Azimuth</u>	<u>Feet</u>
K-4	$329^{\circ}05'59''$	$149^{\circ}06'00''$	446.06

NAD 83 VALUES AVAILABLE

FILE COPY

2/24/67 slh
6/7/67

W. Olson

Arizona (71)

Pima County

SEC COR 22/12S/11E

1927 N.A.D. (Unadj.)

R.B. Olson, 1967

Book: PH 1264

Located about 7 mi. NW. of Wasson Peak, 6 mi. S. of Marana; about 4.5 mi. SW. of Rillito.

To reach from RR. Depot at Rillito, go S. on Interstate #10 for 1.5 mi. to Avra Rd.; turn right W. and go 5 mi. to Sandario Rd.; turn left (S.) for 2.5 mi. to a dim rd. following section line fence; turn left (E.) for 1 mi. to station on right; set in an E.-W. fence and 5.7 ft. NW. of a telephone pole.

Station mark: A U.S. General Land Office brass cap stamped "T12S R11E S22 S23 S26 S27 1913", projecting 0.7 ft.

Signal: A white flag over a fluorescent cross-target on pole centered over station mark.

Signal data:	TWF	10.3	ft.
	BWF	8.7	
	TFXT	7.6	
	BFXT	5.5	

Photo No.: Not identified.

Note: This station was computed from checked triangles. Station should be symbolized with triangle symbol.

ARIZONA CENTRAL ZONE.

VA ELEV. 2111.9

X = 721614.

Y = 497683.

+ ° 23' 3.256"

Sec Cor 22/12S/11E

	LAT.	32° 21' 58.374"	LONG.	111° 11' 56.063"	
STATION	AZIMUTH		BACK AZIMUTH	DISTANCE	
Tortollita (C&GS)	203° 29' 37.291"		23° 31' 45.247"	51263.53	
Rillito (C&GS)	233° 22' 38.831"		53° 24' 21.026"	20384.88	
1-145 X	353° 51' 53.158"		173° 51' 56.584"	5137.64	
Steve (C&GS)	173° 36' 11.946"		353° 35' 47.882"	34528.04	

NAD 83 VALUES AVAILABLE

FILE COPY

2/24/67 slh

Olson

Arizona (71)

Pima County

SEC COR 30SW/13S/12E

1927 N.A.D. (Unadj.)

R.B. Olson, 1966

Book: PH 1264

Located about 13 mi. WNW. of Tucson, Arizona; 8 mi. SW. of Cortaro; 8 mi. N. of Ryan Field.

To reach from Cortaro on U.S. Highway #10, go SW. on Cortaro Rd. for 1.75 mi.; turn right (W.) for 0.4 mi. on Ina Rd.; thence SW. (left) for 6.3 mi. on Kinney Rd.; thence S. (left) for about 1.3 mi. on rd. to Wasson Peak. At end of rd. pack S. on trail for about 0.3 mi. to top of ridge and trail crossing; take left fork (E.) and pack about 0.35 mi. E. to sec. cor. on right. Corner is about 100 ft. W. of a small saddle and about 300 ft. S. of trail; about 400 ft. E. of a top on ridge.

Station mark: A GLO cap on a 2 in. diameter iron pipe projecting 2.3 ft. above ground and stamped "S25 S30 S31 T13S R11E & T13S R12E 1932".

Signal: A fluorescent cross-target on pole centered over station mark.

Signal data: TFXT 5.3 ft. (above sta. mark)
BFXT 3.1

Photo No.: Not identified.

Note: This station was computed from checked triangles. Station should be symbolized with triangle symbol.

ARIZONA CNTRAL ZONE.

VA ELEV. 3934.1

X = 731961.

Y = 460992.

+ ° 24' 2.205"

Sec Cor SW30/13S/12E

LAT. 32° 15' 54.594"

LONG. 111° 9' 58.424"

	STATION	AZIMUTH	BACK	AZIMUTH	DISTANCE
Wasson (C&GS)		244° 31' 7.088"	64° 31' 45.119"		6774.98
Bren		309° 34' 46.348"	129° 37' 1.137"		28164.23
K-11		134° 37' 41.044"	314° 34' 59.967"		36342.93
1-145 X		163° 13' 27.735"	343° 12' 28.281"		33062.97

FILE COPY

NAD 83 VALUES AVAILABLE

2/27/67 slh

DESCRIPTION

HORIZONTAL CONTROL STATION

32 111 21
DIAGRAM Tucson
USGS QUAD NO. 71

3rd Order
Triangulation Electronic - Distance Traverse Intersected Object

Station TORTOLLITAS USGS County Pima State AZ
Established by USGS Year 1903 Project 3096-3108

Check one:
 New Station: Write full description below USGS 1934 D 3238-52
USGS 1956 PH 446
 Recovery of Old Station: Recovered by USGS Year 1967 Project PH 1264

Object	Bearing	Distance		AZIMUTH
		Feet	Meters	
WASSON				25°46'33.7"

Located about 20 mi N. of Tucson, 10 mi NE. of Rillito, 7 mi SW. of Oracle Jct.; on high peak in southeast end of Tortollita Mountains.

To reach from jct. of U.S. Hwys. 80 and 89 at Oracle Jct. (22 mi N. of Tucson), drive S. 2.85 mi to private rd. right (W.); turn right 0.15 mi to ranch buildings of Myron Nelson; drive NW. around buildings and on north side of corral passing through wooden gate 0.35 mi to rd. fork; take left fork SW. 2.4 mi to X-rds. at power line, go straight ahead 0.9 mi to rd. fork, go straight ahead (W.) 0.2 mi to rd. fork; turn left (SW.) 1.4 mi to dim jeep rd. leading S. at sand wash; go S. on jeep rd. about 1 mi to end of rd. Pack SE. up steep slope to station on top, about 0.4 mi. About a 15-minute pack.

Station mark: Bronze tablet centered under rock monument.

USGS Adjusted 1967 Coordinates

ARIZONA CENTRAL ZONE ELEV 4651.1 FT
X= 777188.1
Y= 546755.3
MAPPING ANGLE=+0 28 59 QUAD 32 111 21

TORTOLLITAS USGS LAT 32 29 59.791 LONG 111 1 3.328

NAD 83 VALUES AVAILABLE

FILE COPY

Station: TWIN

County: Pima

State: ARIZONA ¹⁰⁷ 71

Observer: A. G. Kaetz (CWA)

Year: 1934

Datum: 1927 N.A.D.

32 00

Description: 6/4/40 cbm
Bks.D3238-52

Age Found 167

111 00

On the western of the twin peaks known as Picacho de la Caldera, about 16 mi. NW. of Tucson.

Station Mark: Standard bronze tablet set in concrete 6 in. below ground.



NAD 83 VALUES AVAILABLE

[Latitude 32 21 07.96

Longitude 111 11 49.62]

To Station—	Azimuth			Back Azimuth			Distance	
							Log. Meters	Miles
K 13	24	00	58.3	203	59	13.3	4.101609	7.852
K 12	37	26	40.3	217	24	55.3	3.926770	5.250
Roskruge	40	39	56.3	220	34	04.7	4.423014	16.457
Garcia	40	48	54.9	220	47	10.3	3.893869	4.867
K 19	43	30	54.1	223	30	17.8	3.411581	1.603
K 11	69	22	23.9	249	20	42.1	3.725605	3.303
Waterman	82	43	15.0	262	37	29.6	4.230959	10.576
Silver Bell	104	08	43.7	283	58	50.2	4.475058	18.553
Cut	107	44	09.6	287	39	59.8	4.107227	7.954
Marana	153	05	10.8	333	03	26.6	4.049819	6.969
Wasson	331	24	55.4	151	26	33.0	3.999061	6.200

FILE COPY.

Handwritten initials/signature

(6)
FILE COPY

Ariz. (71)

Pima County

WATER TANK

1927 N.A.D.(Secondary)(Adj. 1957)

M. A. Braathen, 1956

Books: PH 445-446

Located about 12 mi. NNW. of Tucson, 1/4 mi. W. of U. S. Highway 80; 1.5 mi. NW. of Canada Del Oro (dry Wash); in the SE. 1/4 of Sec. 17 at the NE. end of a clearing and 20 ft. S. of an old windmill and well.

Station mark: Center of 20 ft. steel water tank on wooden tower.

ARIZ. ZONE CENTRAL
X=773,660.
Y=504,396.

V.A. elevation 2515 ft.(ground)

Latitude: 32° 23' 00.94"

Longitude: 111° 01' 48.63"

NAD 83 VALUES AVAILABLE

10-8-57 mk *ven* FILE COPY

v v

Arizona (71)

Pima County

1-145 X

1927 N.A.D. (Unadj.)

R. B. Olson, 1967

Book: PH 1264

Located about 7 mi. S. of Marana; 6.5 mi. W. of Cortaro; 5 mi. SW. of Rillito; on the SW. of two buttes; in the SW. corner of sec. 26, T. 12 S., R. 11 E.

To reach from Portland Cement Company in Rillito, go SW. on private rd. for 4.3 mi. to end of paved rd.; follow graded rds. (at Portland Cement Co. excavations) for about 0.6 mi. around W. side of NE. butte to saddle between buttes; pack westerly up steep slope for about 750 ft. to station on top.

Station: A 1-inch pipe projecting about 6 inches.

Signal: A white flag over a red cross-target on a pole centered over station mark.

Signal data:	TWF	10.2 ft.
	BWF	8.3
	TRXT	7.0
	BRXT	4.4

Note: The station was set on the same top as CWA station "Twin." This station was described as being 6 inches underground. This is a rocky top and it does not seem practical to dig underground to set a station in concrete as described. An attempt was made to dig for station at highest point. There are no references to station "Twin."

ARIZONA CENTRAL ZONE.

VA ELEV. 2764.5

X = 722197.
Y = 492579.

IDENT. PANEL

1-145 X

	LAT. 32° 21' 7.827"	LONG. 111° 11' 49.662"
STATION	AZIMUTH	BACK AZIMUTH DISTANCE
Rillito (C&GS)	222° 28' 43.466"	42° 30' 22.214" 23413.84
K-4	237° 43' 6.115"	57° 49' 5.119" 67906.84
1-197 A	262° 55' 30.604"	83° 1' 59.908" 62855.99
Wasson (C&GS)	331° 24' 3.922"	151° 25' 41.460" 32729.97
Sec Cor SW30/13S/12E	343° 12' 28.266"	163° 13' 27.721" 33062.97
K-11	69° 24' 52.016"	249° 23' 10.259" 17433.19
Sec Cor 6/12S/11E	141° 49' 34.919"	321° 47' 52.242" 26595.24
Steve (C&GS)	173° 38' 17.290"	353° 37' 49.800" 39665.64
Sec Cor 22/12S/11E	173° 51' 56.683"	353° 51' 53.258" 5137.64
Sec Cor 6/11S/12E	195° 55' 44.741"	15° 57' 18.793" 54741.12
Tortollita (C&GS)	200° 53' 6.415"	20° 55' 10.915" 55787.25
Lito (C&GS)	212° 23' 6.232"	32° 24' 37.077" 27147.96

FILE COPY

3/8/67 dv *[signature]*