

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF THE

RETRACEMENT OF A PORTION OF THE INTERNATIONAL BOUNDARY

BETWEEN UNITED STATES AND THE REPUBLIC OF MEXICO

FROM THE 166 TO THE 167 MONUMENTS

AND

FROM THE 168 THROUGH THE 172 MONUMENTS

ALONG THE SOUTH BOUNDARY OF FRACTIONAL

TOWNSHIPS 18 SOUTH, RANGES 5 AND 6 WEST

AND

UNSURVEYED TOWNSHIPS 17 SOUTH, RANGES 6 AND 7 WEST

Of the GILA AND SALT RIVER Meridian,

In the State of ARIZONA

EXECUTED BY

GILBERT V. OLSON

CADASTRAL SURVEYOR

Under special instructions dated APRIL 5, 19 72, approved APRIL 24, 1972,

\_\_\_\_\_, which provided for the surveys included under U.S. Survey/Group  
Number 552, and assignment instructions dated NOVEMBER 13, 19 72.

Survey commenced NOVEMBER 20, 19 72

Survey completed JUNE 1, 19 77

BOOK 5044

INDEX DIAGRAM

International Boundary Between United States and Mexico

Township \_\_\_\_\_, Range \_\_\_\_\_,

6	5	4	3	2	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	34	35	36

- International Boundary from 166 to 167 . . . . pgs. 1 - 6
- International Boundary from 168 to 169 . . . . pgs. 6 - 9
- International Boundary from 169 to 170 . . . . pgs. 9 - 10
- International Boundary from 170 to 171 . . . . pgs. 10 - 11
- International Boundary from 171 to 172 . . . . pgs. 11 - 13

International Boundary Between  
United States and the Republic of Mexico  
Gila and Salt River Meridian, Arizona

## CHAINS

The following field notes are those of the retracement of a portion of the International Boundary between the United States and the Republic of Mexico, from the 166 to the 167 monuments and from the 168 through the 172 monuments, along the south boundary of fractional Townships 18 South, Ranges 5 and 6 West, and unsurveyed Townships 17 South, Ranges 6 and 7 West, of the Gila and Salt River Meridian, Arizona.

The International Boundary between the United States and the Republic of Mexico from 166 through 172 monuments was surveyed by Joint Boundary Commission for the United States and the Republic of Mexico, in 1849 to 1856. The International Boundary between the United States and the Republic of Mexico from 166 through 172 monuments was surveyed by the United States Boundary Commission, consisting of Colonel J. W. Barlow, Captain D. D. Gaillard and A. T. Mosman, in 1891 to 1896. The exterior lines and subdivisional lines of fractional T. 18 S., R. 5 W., Arizona, was surveyed by Benjamin J. Kinsey, in 1931. The exterior lines and subdivisional lines of fractional T. 18 S., R. 6 W., Arizona, was surveyed by Benjamin J. Kinsey, in 1940.

This survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1947 and 1973, and the Special Instructions dated April 5, 1972, for Group No. 552, Arizona.

During this retracement, search was made for the International Boundary monuments, all of which were recovered. Intermediate stationing points were established along this line to properly mark and identify the southern boundary of the Organ Pipe Cactus National Monument for fencing purposes. These monuments are not to be interpreted to apply to the International Boundary. Certain identified corners of minimum control along the south boundary of T. 18 S., R. 5 W., Arizona, were rehabilitated.

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

The geographic position of the International Boundary Monument No. 166, as scaled from the U. S. Geological Survey quadrangle map, LUKEVILLE, ARIZONA, 1963, is as follows:

Latitude 31° 51.9' N. Longitude 112° 46.2' W.

The mean magnetic declination is 13½° E.

---

Retracement of a Portion of the International Boundary  
Between United States and the Republic of Mexico  
Gila and Salt River Meridian, Arizona

---

Retracing the Resurvey Executed by Colonel J. W. Barlow,  
Captain D. D. Gaillard, and A. T. Mosman,  
in 1891 to 1896

---

Retracement of a Portion of the International Boundary  
Between United States and the Republic of Mexico  
Gila and Salt River Meridian, Arizona

CHAINS						
	<p>Beginning at the International Boundary Monument No. 166, monumented with a steel pylon, 2 ft. sq. base, 1 ft. sq top, and 7 ft. high, set on a concrete base, 4 ft. sq., mkd. with U.S. on N., MEXICO on S. and 166 on E. faces.</p> <p>N. 70° 20' W., along the International Boundary, bet. monuments 166 and 167.</p> <p>Over nearly level land.</p>					
12.76	<p>The closing cor. of secs. 10 and 15, T. 18 S., R. 5 W., Arizona, monumented with an iron post, 2 ins. diam., firmly set in ground, bent over and brass cap detached, with a small mound of stone E. of cor.</p> <p>At the corner point</p> <p>Set an iron post, 28 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p>					
	<div style="text-align: center;"> <p>T18S R5W</p> <table style="margin: auto;"> <tr><td style="border-right: 1px solid black; padding: 0 5px;">C S 10</td></tr> <tr><td style="border-right: 1px solid black; padding: 0 5px;">C S 15</td></tr> </table> <p>MEXICO</p> <p>1972</p> </div> <p>Bury remains of iron post alongside and rebuild mound of stone, 2 ft. base, 1 ft. high, E. of cor.</p>	C S 10	C S 15			
C S 10						
C S 15						
32.39	<p>The closing cor. of secs. 9 and 10, T. 18 S., R. 5 W., Arizona, monumented with an iron post, 2 ins. diam., firmly set, projecting 10 ins. above ground, with brass cap mkd.</p>					
	<div style="text-align: center;"> <p>T18S R5W</p> <table style="margin: auto;"> <tr><td style="border-right: 1px solid black; padding: 0 5px;">S 9</td><td style="padding: 0 5px;">S 10</td></tr> <tr><td style="border-right: 1px solid black; padding: 0 5px;">C C</td><td></td></tr> </table> <p>MEXICO</p> <p>1931</p> </div> <p>Raise a mound of stone, 2 ft. base, 1 ft. high, N. of cor.</p> <p>I add the marks 1972 to brass cap.</p> <p>From this point, the N Strip cor. bet. secs. 9 and 10, bears N. 0° 02' W., 0.96 chs. dist., monumented with an iron post, 1 in. diam., firmly set, projecting 12 ins. above ground, with brass cap mkd.</p>	S 9	S 10	C C		
S 9	S 10					
C C						
	<div style="text-align: center;"> <p>T18S R5W</p> <table style="margin: auto;"> <tr><td style="border-right: 1px solid black; padding: 0 5px;">S 9</td><td style="padding: 0 5px;">S 10</td></tr> </table> <p>N STRIP</p> <p>1931</p> </div>	S 9	S 10			
S 9	S 10					

Retracement of a Portion of the International Boundary  
Between United States and the Republic of Mexico  
Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Raise a mound of stone, 2 ft. base, 1 ft. high, N. of cor.</p>
	<p>I add the marks 1972 to brass cap.</p>
39.00	<p>Point for Station No. 166+39.00.</p>
	<p>Set an iron post, 28 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">T18S R5W S 9 OPCNM 166+39.00</p> <hr style="width: 10%; margin: auto;"/>
	<p style="text-align: center;">1972</p>
	<p>This station is for the purpose of identifying the southern boundary of the Organ Pipe Cactus National Monument for fencing purposes and is not to be interpreted to apply to the International Boundary.</p>
74.90	<p>Point for the 1/4 sec. cor. of sec. 9 only, on the S. bdy. of T. 18 S., T. 5 W., Arizona, at proportionate distance; there is no remaining evidence of the original cor. This point is not monumented.</p>
80.00	<p>Point for Station No. 166+80.00.</p>
	<p>Set an iron post, 28 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">T18S R5W S 9 OPCNM 166+80.00</p> <hr style="width: 10%; margin: auto;"/>
	<p style="text-align: center;">1972</p>
	<p>This station is for the purpose of identifying the southern boundary of the Organ Pipe Cactus National Monument for fencing purposes and is not to be interpreted to apply to the International Boundary.</p>
117.41	<p>The closing cor. of secs. 8 and 9, T. 18 S., R. 5 W., monumented with an iron post, 2 ins. diam., firmly set in ground, bent over and brass cap detached.</p>
	<p>At the corner point</p>
	<p>Set an iron post, 28 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">T18S R5W S 8   S 9 C   C</p> <hr style="width: 10%; margin: auto;"/>
	<p style="text-align: center;">MEXICO</p>
	<p style="text-align: center;">1972</p>

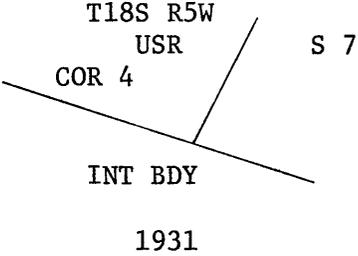
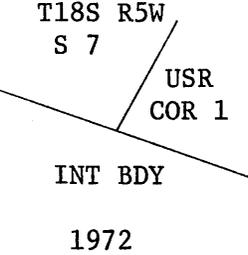
Retracement of a Portion of the International Boundary  
Between United States and the Republic of Mexico  
Gila and Salt River Meridian, Arizona

CHAINS		
	<p>Bury remains of iron post alongside cor.</p> <p>From this point, the N Strip cor. bet. secs. 8 and 9, bears N. 0° 02' W., 0.96 chs. dist., monumented with an iron post, 1 in. diam., firmly set, projecting 15 ins. above ground, supported with a mound of stone, 2 ft. base, to top, with brass cap mkd.</p> <div style="text-align: center;"> <p>T18S R5W S 8   S 9</p> <hr style="width: 50%; margin: auto;"/> <p>N STRIP</p> <p>1931</p> </div>	
<p>120.00</p>	<p>I add the marks 1972 to brass cap.</p> <p>Point for Station No. 166+120.00.</p> <p>Set an iron post, 28 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T18S R5W S 8 OPCNM 166+120.00</p> <hr style="width: 50%; margin: auto;"/> <p>1972</p> </div> <p>This station is for the purpose of identifying the southern boundary of the Organ Pipe Cactus National Monument for fencing purposes and is not to be interpreted to apply to the International Boundary.</p>	
<p>160.00</p>	<p>Point for Station No. 166+160.00.</p> <p>Set an iron post, 28 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T18S R5W S 8 OPCNM 166+160.00</p> <hr style="width: 50%; margin: auto;"/> <p>1972</p> </div> <p>This station is for the purpose of identifying the southern boundary of the Organ Pipe Cactus National Monument for fencing purposes and is not to be interpreted to apply to the International Boundary.</p>	
<p>160.31</p>	<p>The 1/4 sec. cor. of sec. 8 only, on the S. bdy. of T. 18 S., R. 5 W., Arizona, monumented with an iron post, 1 in. diam., firmly set, projecting 10 ins. above ground, with brass cap mkd.</p>	

Retracement of a Portion of the International Boundary  
Between United States and the Republic of Mexico  
Gila and Salt River Meridian, Arizona

CHAINS	
200.00	<p style="text-align: center;">1/4 S 8 ----- 1931</p> <p>I add marks T18S R5W 1972 to brass cap.</p> <p>Point for Station No. 166+200.00.</p> <p>Set an iron post, 28 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T18S R5W S 8 OPCNM 166+200.00 ----- 1972</p> <p>This station is for the purpose of identifying the southern boundary of the Organ Pipe Cactus National Monument for fencing purposes and is not to be interpreted to apply to the International Boundary.</p>
202.43	<p>The closing cor. of secs. 7 and 8, T. 18 S., R. 5 W., Arizona, monumented with an iron post, 2 ins. diam., firmly set, projecting 10 ins. above ground, with brass cap mkd.</p> <p style="text-align: center;">T18S R5W S 7   S 8 C   C -----</p> <p style="text-align: center;">MEXICO  1931</p> <p>I add marks 1972 to brass cap mkd.</p> <p>From this point, the N Strip cor. bet. secs. 7 and 8, bears N. 0° 03' W., 0.96 chs. dist., monumented with an iron post, 1 in. diam., firmly set, projecting 10 ins. above ground, with brass cap mkd.</p> <p style="text-align: center;">T18S R5W S 7   S 8 -----</p> <p style="text-align: center;">N STRIP  1931</p> <p>I add marks 1972 to brass cap.</p>
223.80	<p>Cor. No. 4 of the U. S. Customs and Immigration Reserve, monumented with an iron post, 2 ins. diam., firmly set, projecting 8 ins. above ground, with brass cap mkd.</p>

Retracement of a Portion of the International Boundary  
Between United States and the Republic of Mexico  
Gila and Salt River Meridian, Arizona

CHAINS	
	<div style="text-align: center;">  <p>T18S R5W USR COR 4      S 7 INT BDY 1931</p> </div> <p>I add marks 1972 to brass cap.</p>
230.00	<p>State Highway No. 85 and highway from Ajo, Arizona, to Sonoyta, Mexico, 50 lks. wide, bears NNE and SSW.</p>
233.80	<p>Cor. No. 1 of the U. S. Customs and Immigration Reserve, monumented with an iron post, 2 ins. diam., firmly set in ground, bent over with brass cap damaged and marks illegible.</p> <p>At the corner point</p> <p>Set an iron post, 28 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;">  <p>T18S R5W S 7 USR COR 1 INT BDY 1972</p> </div> <p>Bury damaged iron post alongside cor.</p>
235.00	<p>Arroyo, drains S.</p>
236.30	<p>International Boundary Monument No. 167, monumented with a steel pylon, 2 ft. sq. base, 1 ft. sq. top, and 7 ft. high, set on concrete base, 4 ft. sq. mkd. U.S. on N., MEXICO on S., and 167 on E. faces.</p>
	<p>From International Boundary Monument No. 168; also U.S. Coast and Geodetic Survey triangulation station, "United States Mexico Boundary Mon No. 168", with the geographic position of this station established in 1936, monumented with a concrete pylon, 4 ft. sq. base, 2 ft. sq. top, and 8 ft. high, set on a concrete base, 5 ft. sq. mkd. U.S. on N., MEXICO on S., and 168 on E. faces.</p> <p>Cor. is located on top of rocky ridge, bears N. and S. N. 70° 20' W., along the Internatioanl Boundary bet. monuments 168 and 169.</p> <p>Descend over rocky W. slope.</p>
13.22	<p>The Closing cor. of secs. 1 and 2, T. 18 S., R. 6 W., Arizona, monumented with an iron post, 2 ins. diam., firmly set, projecting 24 ins. above ground, supported with a mound of stone, 3 ft. base, to top, with brass cap mkd.</p>

Retracement of a Portion of the International Boundary  
Between United States and the Republic of Mexico  
Gila and Salt River Meridian, Arizona

CHAINS		
	<p style="text-align: center;">T18S R6W S 2   S 1 C   C</p> <hr style="width: 10%; margin: auto;"/> <p style="text-align: center;">MEXICO</p> <p style="text-align: center;">1940</p> <p>I add marks 1972 to brass cap.</p>	
35.00	Bottom of descent, slopes S.; thence over gently rolling land.	
40.00	Point for Station No. 168+40.00.	
	<p>Set an iron post, 28 ins. long, 2½ ins. diam., 18 ins. in the ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">T18S R6W S 2 OPCNM 168+40.00</p> <hr style="width: 10%; margin: auto;"/> <p style="text-align: center;">1972</p> <p>This station is for the purpose of identifying the southern boundary of the Organ Pipe Cactus National Monument for fencing purposes and is not to be interpreted to apply to the International Boundary.</p>	
79.80	Point for Station No. 168+79.80.	
	<p>Set an iron post, 28 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T18S R6W S 2 OPCNM 168+79.80</p> <hr style="width: 10%; margin: auto;"/> <p style="text-align: center;">1972</p> <p>This station is for the purpose of identifying the southern boundary of the Organ Pipe Cactus National Monument for fencing purposes and is not to be interpreted to apply to the International Boundary.</p>	
98.06	The closing cor. of secs. 2 and 3, T. 18 S., R. 6 W., Arizona, monumented with an iron post, 2 ins. diam., firmly set, projecting 10 ins. above ground, with brass cap mkd.	
	<p style="text-align: center;">T18S R6W S 3   S 2 C   C</p> <hr style="width: 10%; margin: auto;"/> <p style="text-align: center;">MEXICO</p> <p style="text-align: center;">1940</p>	

Retracement of a Portion of the International Boundary  
Between United States and the Republic of Mexico  
Gila and Salt River Meridian, Arizona

CHAINS		
120.00	<p>I add marks 1972 to brass cap.</p> <p>Point for Station No. 168+120.00.</p> <p>Set an iron post, 28 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T18S R6W S 3 OPCNM 168+120.00</p> <hr style="width: 20%; margin: auto;"/> <p style="text-align: center;">1972</p> <p>This station is for the purpose of identifying the southern boundary of the Organ Pipe Cactus National Monument for fencing purposes and is not to be interpreted to apply to the International Boundary.</p>	
129.35	<p>The closing cor. of Tps. 17 and 18 S., R. 6 W., monumented with an iron post, 3 ins. diam., firmly set, projecting 8 ins. ground, with brass cap mkd.</p> <p style="text-align: center;">T17S R6W C S 34 <hr style="width: 20%; margin: auto;"/>C S 3 T18S MEXICO</p> <p style="text-align: center;">1940</p> <p>Rebuild mound of stone, 3 ft. base, 2 ft. high, E. of cor.</p> <p>I add marks 1972 to brass cap.</p>	
159.00	<p>Point for Station No. 168+159.00.</p> <p>Set an iron post, 28 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">OPCNM 168+159.00</p> <hr style="width: 20%; margin: auto;"/> <p style="text-align: center;">1972</p> <p>This station is for the purpose of identifying the southern boundary of the Organ Pipe Cactus National Monument for fencing purposes and is not to be interpreted to apply to the International Boundary.</p>	
200.00	<p>Point for Station No. 168+200.00.</p> <p>Set an iron post, 28 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p>	

Retracement of a Portion of the International Boundary  
Between United States and the Republic of Mexico  
Gila and Salt River Meridian, Arizona

CHAINS	
216.53	<p style="text-align: center;">OPCNM 168+200.00 /</p> <p style="text-align: center;">1972</p> <p>This station is for the purpose of identifying the southern boundary of the Organ Pipe Cactus National Monument for fencing purposes and is not to be interpreted to apply to the International Boundary.</p> <p>International Boundary Monument No. 169, monumented with a steel pylon, 2 ft. sq. base, 1 ft. sq. top, and 7 ft. high, set on a concrete base, 4 ft. sq. mkd. U.S. on N., MEXICO on S. and 169 on E. faces.</p>
40.00	<p>N. 70° 20' W., along the International Boundary bet. monuments 169 and 170.</p> <p>Over gently rolling land.</p> <p>Point for Station No. 169+40.00.</p> <p>Set an iron post, 28 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p>
80.00	<p style="text-align: center;">OPCNM 169+40.00 /</p> <p style="text-align: center;">1972</p> <p>This station is for the purpose of identifying the southern boundary of the Organ Pipe Cactus National Monument for fencing purposes and is not to be interpreted to apply to the International Boundary.</p> <p>Point for Station No. 169+80.00.</p> <p>Set an iron post, 28 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p>
120.00	<p style="text-align: center;">OPCNM 169+80.00 /</p> <p style="text-align: center;">1972</p> <p>This station is for the purpose of identifying the southern boundary of the Organ Pipe Cactus National Monument for fencing purposes and is not to be interpreted to apply to the International Boundary.</p> <p>Point for Station No. 169+120.00.</p> <p>Set an iron post, 28 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">OPCNM 169+120.00 /</p> <p style="text-align: center;">1972</p>

Retracement of a Portion of the International Boundary  
Between United States and the Republic of Mexico  
Gila and Salt River Meridian, Arizona

CHAINS	
	<p>This station is for the purpose of identifying the southern boundary of the Organ Pipe Cactus National Monument for fencing purposes and is not to be interpreted to apply to the International Boundary.</p>
160.00	<p>Point for Station No. 169+160.00.</p>
	<p>Set an iron post, 28 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">OPCNM 169+160.00</p>
	<p style="text-align: center;">1972</p>
	<p>This station is for the purpose of identifying the southern boundary of the Organ Pipe Cactus National Monument for fencing purposes and is not to be interpreted to apply to the International Boundary.</p>
200.00	<p>Point for Station No. 169+200.00.</p>
	<p>Set an iron post, 28 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">OPCNM 169+200.00</p>
	<p style="text-align: center;">1972</p>
	<p>This station is for the purpose of identifying the southern boundary of the Organ Pipe Cactus National Monument for fencing purposes and is not to be interpreted to apply to the International Boundary.</p>
221.72	<p>International Boundary Monument No. 170, monumented with a steel pylon, 2 ft. sq. base, 1 ft. sq. top, and 7 ft. high, set on a concrete base, 4 ft. sq., mkd. U.S. on N., MEXICO on S., and 170 on E. faces.</p>
	<p>N. 70° 20' W., along the International Boundary bet. monuments 170 and 171.</p>
	<p>Over gently rolling land.</p>
40.00	<p>Point for Station No. 170+40.00.</p>
	<p>Set an iron post, 28 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">OPCNM 170+40.00</p>
	<p style="text-align: center;">1972</p>

Retracement of a Portion of the International Boundary  
Between United States and the Republic of Mexico  
Gila and Salt River Meridian, Arizona

CHAINS	
80.00	<p>This station is for the purpose of identifying the southern boundary of the Organ Pipe Cactus National Monument for fencing purposes and is not to be interpreted to apply to the International Boundary.</p> <p>Point for Station No. 170+80.00.</p> <p>Set an iron post, 28 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">OPCNM 170+80.00 /  1972</p>
120.00	<p>This station is for the purpose of identifying the southern boundary of the Organ Pipe Cactus National Monument for fencing purposes and is not to be interpreted to apply to the International Boundary.</p> <p>Point for Station No. 170+120.00.</p> <p>Set an iron post, 28 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">OPCNM 170+120.00 /  1972</p>
167.54	<p>This station is for the purpose of identifying the southern boundary of the Organ Pipe Cactus National Monument for fencing purposes and is not to be interpreted to apply to the International Boundary.</p> <p>International Boundary Monument No. 171, monumented with a steel phylon, 2 ft. sq. base, 1 ft. sq. top, and 7 ft. high, set on a concrete base, 4 ft. sq. mkd. U.S. on N., MEXICO on S., and 171 on E. faces.</p> <hr/> <p>N. 70° 20' W., along the International Boundary bet. monuments 171 and 172.</p> <p>Over gently rolling land.</p>
40.00	<p>Point for Station No. 171+40.00.</p> <p>Set an iron post, 28 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">OPCNM 171+40.00 /  1972</p>

Retracement of a Portion of the International Boundary  
Between United States and the Republic of Mexico  
Gila and Salt River Meridian, Arizona

CHAINS	
	<p>This station is for the purpose of identifying the southern boundary of the Organ Pipe Cactus National Monument for fencing purposes and is not to be interpreted to apply to the International Boundary.</p>
80.00	<p>Point for Station No. 171+80.00.</p>
	<p>Set an iron post, 28 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">OPCNM 171+80.00 /  1972</p>
	<p>This station is for the purpose of identifying the southern boundary of the Organ Pipe Cactus National Monument for fencing purposes and is not to be interpreted to apply to the International Boundary.</p>
120.00	<p>Point for Station No. 171+120.00.</p>
	<p>Set an iron post, 28 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">OPCNM 171+120.00 /  1972</p>
	<p>This station is for the purpose of identifying the southern boundary of the Organ Pipe Cactus National Monument for fencing purposes and is not to be interpreted to apply to the International Boundary.</p>
159.80	<p>Point for Station No. 171+159.80.</p>
	<p>Set an iron post, 28 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">OPCNM 171+159.80 /  1972</p>
	<p>This station is for the purpose of identifying the southern boundary of the Organ Pipe Cactus National Monument for fencing purposes and is not to be interpreted to apply to the International Boundary.</p>
200.00	<p>Point for Station No. 171+200.00.</p>
	<p>Set an iron post, 28 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p>

Retracement of a Portion of the International Boundary  
Between United States and the Republic of Mexico  
Gila and Salt River Meridian, Arizona

## CHAINS

OPCNM  
171+200.00

1972

This station is for the purpose of identifying the southern boundary of the Organ Pipe Cactus National Monument for fencing purposes and is not to be interpreted to apply to the International Boundary.

222.33

International Boundary Monument No. 172, monumented with a steel pylon, 2 ft. sq. base, 1 ft. sq. top, and 7 ft. high, set on a concrete base, 4 ft. sq., mkd. U. S. on N., MEXICO on S., and 172 on E. faces.

General Description

The line retraced is located about 40 miles southwest of Ajo, Arizona, and is located on the International Boundary between the United States and the Republic of Mexico. Elevations along the line range from about 1880 feet above sea level at the 168 monument to about 1110 feet above sea level at the 172 monument. The area drains in a southwesterly direction into Mexico.

Access into the area is by State Highway Number 85, which is the highway from Ajo, Arizona, to Sonoyta, Mexico. There are a few secondary roads which branch from the highway.

Soil in the area consists of rocky and sandy clay loam. Vegetation consists of mesquite, ironwood, greasewood, cholla, and ocotilla.

The United States Customs and Immigration Reserve is located near the 167 International Boundary Monument and in fractional sections 6 and 7, Township 18 South, Range 5 West.

The average of a few readings along the line retraced gives a value of  $13\frac{1}{2}^{\circ}$  East for mean magnetic declination. There was no noticeable difference in local attraction.

CHAINS	
--------	--



CERTIFICATE OF SURVEY

(I) ~~(We)~~, Gilbert V. Olson, \_\_\_\_\_, HEREBY  
 CERTIFY upon honor that, in pursuance of special instructions bearing date of the 5<sup>th</sup> day  
 of April, 1972, (I) ~~(We)~~ have retraced a portion of the Inter-  
 national Boundary between United States and the Republic of Mexico, from  
 the 166 to the 167 monuments and from the 168 through the 172 monuments,  
 along the south boundary of fractional Townships 18 South, Ranges 5 and  
 6 West, and unsurveyed Townships 17 South, Ranges 6 and 7 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) ~~(us)~~ and under (my)  
~~(dit)~~ 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.

August 15, 1977  
 \_\_\_\_\_  
 (Date)

*Gilbert V. Olson*  
 \_\_\_\_\_  
 (Cadastral Surveyor)  
 GILBERT V. OLSON

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

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

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT  
 Washington, D.C.

The foregoing field notes of the retracement of a portion of the International  
 Boundary between United States and the Republic of Mexico, from the  
 166 to the 167 monuments and from the 168 through the 172 monuments,  
 along the south boundary of fractional Tps. 18 S., Rs. 5 and 6 W., and  
 unsurveyed Tps. 17 S., Rs. 6 and 7 W., Gila and Salt River Meridian,  
 Arizona,

executed by Gilbert V. Olson, Cadastral Surveyor,

having been critically examined and found correct, are hereby approved.

JAN 13 1978  
 \_\_\_\_\_  
 (Date)

*Roger T. Barron*  
 \_\_\_\_\_  
 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  
 \_\_\_\_\_, is a true copy of the original field notes.

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

\_\_\_\_\_  
 (Chief, Division of Cadastral Survey) CPO 349-626