

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD NOTES  
OF THE

SURVEY

OF

THE

NINTH STANDARD

PARALLEL NORTH,

(SOUTH BOUNDARY),

TOWNSHIP 37 NORTH, RANGE 22 EAST,

Of the Gila and Salt River Meridian,  
In the State of Arizona

EXECUTED BY

Jones Curtiss, Cadastral Surveyor

Under Special Instructions dated and approved February 17, 1998, which provided for the surveys included under Group Number 822 and assignment instructions dated February 17, 1998.

Survey Commenced April 20, 1998

Survey Completed April 28, 1998

INDEX DIAGRAM

TOWNSHIP 37 NORTH, RANGE 22 EAST,

GILA AND SALT RIVER MERIDIAN, ARIZONA

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
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T. 37 N., R. 22 E., Gila and Salt River Meridian, Arizona

## CHAINS

The following field notes describe the survey of the Ninth Standard Parallel North, (south boundary), Township 37 North, Range 22 East, Gila and Salt River Meridian, Arizona.

The survey was executed in accordance with the specifications as set forth in the Manual of Instructions for the Survey of the Public Lands of the United States, 1973, and the Special Instructions dated February 17, 1998, for Group No. 822, Arizona.

The directions of all lines were determined, and distances measured, by the technique of differential positioning using Trimble Navigation 4400 Series Global Positioning System receivers utilizing the Real-Time Kinematic technique.

The geographic position of the southeast corner of the township was determined by the technique of differential positioning using the Ashtech M-Series Geodetic Positioning System. First order U. S. Coast and Geodetic Survey triangulation stations "KAYENTA 1951" and "LOHALI 1951" were used as control stations. The geographic position is as follows:

Lat.: 36°33'48.832" N. Long.: 109°54'44.559" W. NAD83(1992)

The mean magnetic declination is 12 1/2° E.

Survey of the Ninth Standard Parallel North, (South Boundary),  
T. 37 N., R. 22 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Beginning at the stan. cor. of Tps. 37 N., Rs. 21 and 22 E., monumented with a stainless steel post, 2 1/2 ins. diam., with brass cap, set and mkd. as described in the field notes of the survey of the Ninth Standard Parallel North, (south boundary), T. 37 N., R. 21 E., executed concurrently under this same group.</p> <p>East, on the S. bdy. of sec. 31.</p> <p>Over rolling land.</p>
40.00	<p>Point for the stan. 1/4 sec. cor. of sec. 31.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">SC T37N R22E 1/4 S31 ----- 1998</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p>
80.00	<p>Point for the stan. cor. of secs. 31 and 32.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">SC T37N R22E S31   S32 ----- 1998</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p> <p>Land, rolling. Soil, sandy clay. No timber; scattered brush and native grasses.</p>
24.40	<p>East, on the S. bdy. of sec. 32.</p> <p>Over rolling land.</p> <p>W. rim of White Rock Mesa, bears SSE and NNW; thence continue over rolling land atop mesa.</p>

Survey of the Ninth Standard Parallel North, (South Boundary),  
T. 37 N., R. 22 E., Gila and Salt River Meridian, Arizona

CHAINS	
40.00	<p>Point for the stan. 1/4 sec. cor. of sec. 32.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">SC T37N R22E 1/4 S32 <hr/>1998</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p>
66.85	Trail road, bears NE and SW.
80.00	<p>Point for the stan. cor of secs. 32 and 33.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">SC T37N R22E S32   S33 <hr/>1998</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p> <p>Land, rolling. Soil, sandy and rocky clay. No timber; scattered brush and native grasses.</p>
40.00	<p>East, on the S. bdy. of sec. 33.</p> <p>Over rolling land.</p> <p>Point for the stan. 1/4 sec. cor. of sec. 33.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">SC T37N R22E 1/4 S33 <hr/>1998</p>

Survey of the Ninth Standard Parallel North, (South Boundary),  
T. 37 N., R. 22 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
80.00	Point for the stan. cor. of secs. 33 and 34.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	<p style="text-align: center;">SC T37N R22E S33   S34 ----- 1998</p>
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
	<p>Land, rolling. Soil, sandy clay. No timber; scattered brush and native grasses.</p>
	East, on the S. bdy. of sec. 34.
	Over rolling land.
38.16	Barbed wire fence, 5 strands, bears NNE and SSW.
40.00	Point for the stan. 1/4 sec. cor. of sec. 34.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	<p style="text-align: center;">SC T37N R22E 1/4 S34 ----- 1998</p>
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
55.20	Wash, 80 ft. wide, 10 ft. deep, drains NNE; thence continue over rolling land atop Sweetwater Mesa.
80.00	Point for the stan. cor. of secs. 34 and 35.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.

Survey of the Ninth Standard Parallel North, (South Boundary),  
T. 37 N., R. 22 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p style="text-align: center;">SC T37N R22E S34   S35 ----- 1998</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p> <p>Land, rolling. Soil, sandy clay. No timber; scattered brush and native grasses.</p>
	<p>East, on the S. bdy. of sec. 35.</p> <p>Over gently rolling land.</p>
37.59	Barbed wire fence, 5 strands, bears NNE and SSW.
40.00	<p>Point for the stan. 1/4 sec. cor. of sec. 35.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">SC T37N R22E 1/4 S35 ----- 1998</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p>
80.00	<p>Point for the stan. cor. of secs. 35 and 36.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">SC T37N R22E S35   S36 ----- 1998</p> <p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p>

Survey of the Ninth Standard Parallel North, (South Boundary),  
T. 37 N., R. 22 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Land, rolling. Soil, sandy clay. No timber; scattered brush and native grasses.</p> <hr/>
	<p>East, on the S. bdy. of sec. 36.</p>
	<p>Over rolling land.</p>
25.37	<p>Barbed wire fence, 5 strands, bears NE and SW.</p>
40.00	<p>Point for the stan. 1/4 sec. cor. of sec. 36.</p>
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">SC T37N R22E 1/4 S36</p> <hr style="width: 20%; margin: auto;"/> <p style="text-align: center;">1998</p>
	<p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p>
69.35	<p>Trail road, bears NNE and SSW.</p>
80.00	<p>Point for the stan. cor. of Tps. 37 N., Rs. 22 and 23 E.</p>
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">SC T37N R22E   R23E S36   S31</p> <hr style="width: 20%; margin: auto;"/> <p style="text-align: center;">1998</p>
	<p>Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.</p>
	<p>Land, rolling. Soil, sandy clay. No timber; scattered brush and native grasses.</p> <hr/>

T. 37 N., R. 22 E., Gila and Salt River Meridian, Arizona

CHAINS	<p data-bbox="787 281 1091 310" style="text-align: center;">GENERAL DESCRIPTION</p> <hr/> <p data-bbox="418 373 1453 506">The area surveyed is within the Navajo Indian Reservation, approximately 6 miles east northeast of the community of Chilchinbito, Arizona. The terrain is gently rolling to rolling. The drainage is mainly northerly.</p> <p data-bbox="418 533 1458 632">The elevation varies from 5,600 to 5,900 feet above sea level. The soil is mostly sandy, and the vegetation principally consists of scattered brush and native grasses.</p> <p data-bbox="418 659 1425 758">Principal access to the township is provided by trail roads. Most of the area is used for grazing of livestock. There is no evidence of current mining activity.</p> <p data-bbox="418 785 1445 917">The mean magnetic declination of 12 1/2° E. was derived from the United States Geological Survey computer program GEOMAGIX utilizing the Regional Magnetic Field Model for Epoch 1995 for the dates of survey.</p> <hr/>
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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## FIELD ASSISTANTS

NAMES	CAPACITY
Daniel Bryan	Engineering Technician
Wilfred Chee	Engineering Technician
Edward Clarke	Engineering Technician
Reuben Mason	Engineering Technician
Barney Woodie	Engineering Technician

## CERTIFICATE OF SURVEY

I, Jones Curtiss, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of Special Instructions bearing date of the 17th day of February 1998, I have surveyed the Ninth Standard Parallel North, (south boundary), Township 37 North, Range 22 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 and under my 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, 1973, and in specific manner described in the foregoing field notes.

February 9, 1999  
(Date)

Jones Curtiss  
(Cadastral Surveyor)

## CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT  
Arizona State Office  
Phoenix, Arizona

The foregoing field notes of the survey of the Ninth Standard Parallel North, (south boundary), Township 37 North, Range 22 East, Gila and Salt River Meridian, Arizona, executed by Jones Curtiss, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

April 5, 1999  
(Date)

Kenny S. Ravmbar  
(Chief Cadastral Surveyor of Arizona)

~~CERTIFICATE OF TRANSCRIPT~~

~~I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in T. 37 N., R. 22 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

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

~~\_\_\_\_\_~~  
~~(Chief Cadastral Surveyor of Arizona)~~